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APPENDIX D

Cultural Resources Report
Filed Under Request For Confidentiality

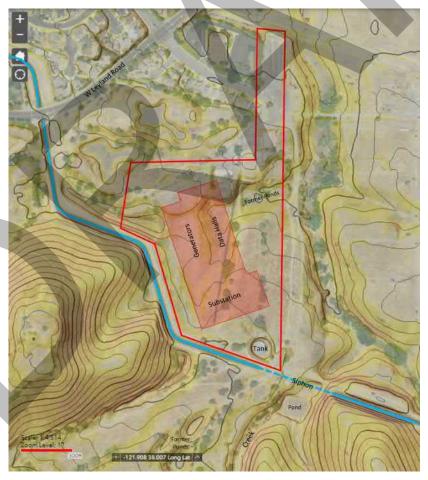
APPENDIX E

Preliminary Geotechnical Report

AVAIO CAPITAL

PITTSBURG TECHNOLOGY CENTER PITTSBURG, CALIFORNIA GEOTECHNICAL DESIGN REPORT

NOVEMBER 23, 2023 CONFIDENTIAL









PITTSBURG TECHNOLOGY CENTER PITTSBURG, CALIFORNIA GEOTECHNICAL DESIGN REPORT

AVAIO CAPITAL

PROJECT NO. 31405786.002

DATE: NOVEMBER 2023

WSP 401 B STREET, SUITE 1650 SAN DIEGO, CA 92101 TEL.: +1 619 338 9376 WSP.COM



November 23, 2023

Mr. John Malone, PhD AVAIO Capital

Subject: Geotechnical Design Report for the Pittsburg Technology Center, Pittsburg, California.

Dear Mr. Malone:

The WSP Geotechnical and Tunneling Group is pleased to submit this Geotechnical Design Report for the proposed Pittsburg Technology Center site located in Pittsburg, California.

This report presents the results of our geotechnical investigation including field explorations, laboratory test results, conclusions, discussions and preliminary assessments for proposed earthwork and site improvements for the project.

Should you have any questions, please do not hesitate to contact us.

Sincerely,

Moi Arzamendi, PE, GE Senior Supervising Geotechnical Engineer Vice President

Ian Lau, PE Lead Geotechnical Engineer Kenneth A. Johnson, PhD, CEG, PE Senior Supervising Geological Engineer Senior Technical Principal

QUALITY MANAGEMENT

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ACRONYMS AND ABBREVIATIONS

AASHTO American Association of Highway Transportation Officials

ACI American Concrete Institute
APN Assessor's Parcel Number

ASCE American Society of Civil Engineers

ASTM American Society for Testing and Materials

BMP Best Management Practices
CBC California Building Code
CBR California Bearing Ratio

CEG Certified Engineering Geologist

CH High Plasticity Clay
CL Low Plasticity Clay

DSHA Probabilistic Seismic Hazard Analysis

EIT Engineer-in-Training

EPA Environmental Protection Agency

ET Electrical Tomography

FEMA Federal Emergency Management Agency

FHWA Federal Highway Administration
FIRM Flood Insurance Rate Maps
GE Geotechnical Engineer
GPR Ground Penetrating Radar

HSA Hollow Stem Auger

MASW Multichannel Analysis of Surface Waves

 $\begin{array}{ll} \text{MCE}_{\text{G}} & \text{Maximum Considered Earthquake Geometric Mean} \\ \text{MCE}_{\text{R}} & \text{Risk-Targeted Maximum Considered Earthquake} \end{array}$

Mod-Cal Modified California Sampler

Mw Magnitude

NACE National Association of Corrosion Engineers
NCHRP National Cooperative Highway Research Program
NOAA National Oceanic and Atmospheric Administration
OSHA Occupational Safety and Health Administration

PCC Portland Cement Concrete
PE Professional Engineer
PGA Peak Ground Acceleration

PSHA Probabilistic Seismic Hazard Analysis

PL Plastic Limit

S Spectral Acceleration
SE Sand Equivalent

SGRA Site Ground Response Analysis
SPT Standard Penetration Test

SSPWC Standard Specifications for Public Works Construction



TI Traffic Index US United States

USCS Unified Soil Classification System

USDA United States Department of Agriculture

USGS United States Geological Survey

USACE United States Army Corps of Engineers

 $V_{s,30}$ Average Shear Wave Velocity



1 INTRODUCTION

1.1 BACKGROUND

WSP USA Inc (WSP) has been tasked to provide a Geotechnical Design Report for the Pittsburg Technology Center site located in Pittsburg, California. This report presents the results of WSP's review of available geologic information and findings of geotechnical field investigation and laboratory testing program, conclusions, discussions and recommendations for proposed earthwork and site improvements for the project.

The proposed development will consist of single 3-story data center building approximately 90 feet high with an overall footprint of 240 feet by 600 feet. The building will consist of pre-cast concrete facia panels with internal steel framing and concrete flooring. The data halls are anticipated to have raised floors with design surface loadings of about 250 psf (live) and 60 psf (dead). Interior column spacing may be on the order of 40 feet by 40 feet. Maximum interior and perimeter column loads may be about 1,600 kips and 1,000 kips per foot, respectively. Generator area floor loads may be about 1,000 psf.

The project will also include appurtenant access roads, parking areas, retaining walls, landscaping, ancillary support infrastructure, and open spaces. The data center building will have data halls to house equipment necessary for information technology operations such as computers, servers, storage hardware, cables, racks, and communications equipment.

1.2 PROJECT SITE

The approximately 22-acre project site consists of Tracts 2 (2.92 acres, APN:195-160-001) and Tract 3 (19.13 acres, APN:195-150-032) of Parcel 1 at 2232 Golf Club Road, Pittsburg, Contra Costa County. The site is located in the former Delta View Golf Course. The site entrance is located at the east terminus of Golf Club Road just east of the intersection with West Leland Road. The site entrance is about 0.5 miles south of State Route SR-4 and about 0.6 miles west of Nevada Pacific Parkway. The project area is located near the southern shore of the Suisun Bay in the East Bay region of the San Francisco Bay Area. A site vicinity map showing the project site location is presented in Figure 1. A preliminary proposed grading and layout plan is presented as Figure 2. Approximate centralized site coordinates of the planned building are as follows:

Latitude: 38.0110° Longitude: -121.9110°

1.3 SCOPE OF WORK

The purpose of our geotechnical and geologic engineering services was to evaluate the soil and geologic conditions at the site and provide conclusions and recommendations for design and construction of the proposed development. The scope of work for our engineering service consisted of a literature review, geophysical surveys, subsurface explorations, laboratory testing, engineering evaluation and analysis, and the preparation of this report.

This geotechnical investigation report has been prepared in accordance with the statutory requirements of the California Code of Regulations (2022 California Building Code - CBC) and the Contra Costa County Grading Ordinance (Division 716).

The following geotechnical information and recommendations are presented in our report:

- Vicinity map and site plan
- Geophysical survey results
- Field exploration results, including logs of soil borings
- Laboratory test results
- Geologic cross sections of the site
- Laboratory testing and results
- Site and subsurface conditions
- Existing site drainage
- Groundwater conditions
- Regional faulting and local seismicity
- Seismic design parameters per the 2022 California Building Code
- Earthwork
 - Contra Costa Canal proximity constraints during construction
 - Unsuitable soil removal (topsoil, organics, debris, and undocumented fill)
 - > Excavations and remedial grading
 - Subsurface drains and site drainage
 - > Temporary shoring
 - ➤ Slope stability
 - > Expansive soils
 - > Ground improvement
 - > Fill placement and compaction
 - Erosion prevention and sedimentation control
- Foundations
 - > Shallow footings (spread and continuous) and settlements
 - > Deep foundations (CIDH piers and CFA piles) and settlements
 - > Hybrid ground improvement and foundation systems and settlements
- Retaining walls
- Substation equipment and structures
- Concrete slabs-on-grade floors and exterior flatwork
- Flexible and rigid pavements
- Soil properties affecting steel corrosion and concrete attack

1.4 PREVIOUS STUDY

A Geotechnical Due Diligence Report for the project area (entire 100-acre Delta View Golf Course property) was prepared by WSP, dated January 19, 2023. Limited field explorations and laboratory testing were completed for this phase including a site reconnaissance, exploratory borings, geophysical surveys (multichannel analyses of surface waves and electrical resistivity), laboratory testing (including thermal resistivity). The report described overall site conditions, geologic hazards and geotechnical considerations for earthwork and structures.

2 EXPLORATIONS AND TESTING

2.1 SITE RECONNAISSANCE

A general site reconnaissance focusing on Tract 2 and 3 of the Delta View Golf Course parcel was performed on September 26, 2023. Surface conditions of the site were observed, planned field exploration locations were staked, and buried utilities were cleared. The overall site topography and aerial photograph of the site are presented in Figure 3. A site map indicating the previous and current field explorations within the project area are presented in Figure 4. An ALTA survey indicating of the project is presented in Figure 5, 6, and Figure 7. These figures have been modified to reflect anticipated maximum cuts and fills in the project area and shown in pink and green, respectively.

2.2 MULTICHANNEL ANALYSIS OF SURFACE WAVES

Four (4) Multichannel Analysis of Surface Waves (MASW) geophysical survey lines were performed at the closed Delta View Golf Course site by NorCal Geophysical Consultants, Inc., on December 19, 2022, as part of the Geotechnical Due Diligence Study by WSP. Two of them are located within the subject project area. The shear wave velocity analysis was completed via a combination of passive and active source refraction surveys. The active source surveys were performed with 10-foot geophone spacing for a line length of approximately 230 feet and data recorded to an approximate depth of 100 feet. The recorded surface waves were evaluated to develop a shear-wave velocity profile of the subject site to a depth of approximately 100 feet. The time-average shear wave velocity in the upper 100 feet of the 4 locations tested was estimated to range from 936 to 1,018 ft/sec (average 981 ft/sec). Results of the MASW survey are presented in Appendix A.

2.3 ELECTRICAL RESISTIVITY

Four (4) Wenner 4-pin method electrical resistivity tests were performed at the subject site by NorCal Geophysical Consultants, Inc. on December 20, 2022, as part of the Geotechnical Due Diligence Study by WSP, to estimate the grounding potential of the near-surface onsite soils. Two of them are located within the subject project area. Electrical soil resistivity will be used for the design of the electrical grounding system of the proposed facilities. Electrode spacings of 1, 2, 4, 8, 15, 25, 50, 75, and 100 feet were performed. Each test was conducted in two orthogonal directions. Resistivity values ranged from 650 to 1,690 ohm-cm with an average on the order of 1,100 ohm-cm. The majority of the values are between 900 and 1,300 ohm-cm. Results of the electrical resistivity tests are presented in Appendix A. Additional electrical resistivity testing should be performed at the end of grading for evaluation by the project electrical engineer.

2.4 EXPLORATORY BORINGS

Twenty (20) exploratory borings were performed by Taber Drilling on September 2 through 5, 2023. The drilling method for Borings WSP-PTC-01 through WSP-PTC-15 consisted of 4-¼ inch I.D. diameter hollow stem auger (HSA) borings using a track-mounted CME 55HD crawler drill rig. The top 5 feet of each boring was hand augered and large bulk samples of soil cuttings were secured. Drive Samples were obtained typically every 5 feet thereafter to a maximum depth of 41.5 feet below ground surface. The boring

samples consisted of alternating Standard Penetration Test (SPT) split-spoon and Modified California (Mod-Cal) specimens to obtain both disturbed and relatively undisturbed soil samples, respectively. Groundwater was not encountered in the boring. Five (5) shallow hand auger borings to a depth of 5 feet were performed to obtain representative near-surface bulk grab samples. Two (2) exploratory borings associated with the previous Geotechnical Due Diligence Report (WSP-PDC-01 to 41.5 feet and WSP-PDC-02 to 5 feet) are located withing the current investigation area. Groundwater was not encountered.

The borings were backfilled with a cement grout mix per the requirements of the boring permits from the County of Contra Costa Health Services Department (Environmental Health Division). Soil samples were transported to the laboratory of Inspection Services, Inc. (ISI) in Berkely, California for further evaluation and assignment tests. Exploration boring logs for the previous and current investigations are presented in Appendices B and C, respectively. A general summary of these exploratory borings is presented in Table 2.1.

BORING ID	ELEVATION (FEET, MSL)	DEPTH (FEET)	BORING ID	ELEVATION (FEET, MSL)	DEPTH (FEET)
WSP-PTC-01	115	21.3	WSP-PTC-12	86	21.0
WSP-PTC-02	115	21.5	WSP-PTC-13	110	41.5
WSP-PTC-03	111	20.8	WSP-PTC-14	109	41.5
WSP-PTC-04	108	36.5	WSP-PTC-15	99	31.5
WSP-PTC-05	111	41.5	WSP-PTC-16	114	5.0
WSP-PTC-06	109	41.5	WSP-PTC-17	98	5.0
WSP-PTC-07	106	36.5	WSP-PTC-18	80	5.0
WSP-PTC-08	96	26.5	WSP-PTC-19	99	5.0
WSP-PTC-09	105	31.5	WSP-PTC-20	93	5.0
WSP-PTC-10	105	36.5	WSP-PDC-01	114	41.5
WSP-PTC-11	91	26.5	WSP-PDC-02	107	5.0

Table 2.1 Summary of Exploratory Borings

2.5 LABORATORY TESTING

Current geotechnical laboratory testing was performed by Inspection Services, Inc of Berkley, California, on selected soil samples that were secured from the exploratory borings. The tests included determinations of 44 moisture contents, 29 dry densities, 16 sieve analyses, 6 passing #200 sieve washes, 11 Atterberg limits, 5 organic contents, 5 modified proctor tests, 2 R-value tests, 2 direct shear strength tests, and 5 triaxial unconsolidated undrained strength tests.

Thermal resistivity and corrosion potential tests were performed by Project X Corrosion Engineering of Murietta, California on selected near-surface samples obtained from the explorations. Four sets of corrosion potential test suites including pH, electrical resistivity, soluble chlorides, and soluble sulfates were performed. Likewise, 3 thermal resistivity tests were performed near a relative compaction of 90 percent per ASTM D1557 (Modified Proctor).

Previous geotechnical laboratory testing included determinations of 14 moisture contents, 4 dry densities, 6 sieve analyses, 6 Atterberg limits, 4 organic contents, 4 modified proctor tests, and 4 thermal resistivity tests. Previous thermal resistivity tests were performed the same as the current tests.

All tests were performed in general accordance with the applicable ASTM and IEEE standard test methods. The laboratory test results for the previous and current investigations are presented on the boring logs (Appendices B and C, respectively) and in Appendix D and E, respectively.

3 SITE CONDITIONS

3.1 SITE DESCRIPTION

The approximately 22-acre site is bounded by an approximate 800-feet wide Pacific Gas & Electric (PG&E) transmission corridor to the east, West Leland Road to the north, other City owned property (Stoneman Park and additional former golf course land) to the west, and the open-channel Contra Costa Canal to the south. The canal easement width is on the order of 100 feet. A portion of the canal along the east side of the site is believed to consist of a buried reinforced concrete box-shaped siphon structure (Figure 3 and Figure 4). Load carrying capacity of this existing structure is unknown for potential future loads (i.e., additional fill, pavement and vehicles), and therefore should be evaluated by a Structural Engineer. A former water storage tank was located adjacent to the north side of the Contra Costa Canal. The east-west trending Mokelumne aqueduct is located adjacent to the northern property line.

The land was originally part of the rifle range for the US Army's former Camp Stoneman It was given to the City by the Federal government in 1947 and opened as a nine-hole golf course. It was expanded to an 18-hole public golf course which closed in 2018. The golf course facility has areas that used to occupy a clubhouse, pro shop, restaurant, maintenance building, parking lots, a water storage tank, cart paths, a driving range, practice areas, tees, fairways, greens, sand traps and water hazards. It is anticipated that the golf course has numerous buried water irrigation lines throughout the area. No habitable structures are currently present at the site (former buildings have been demolished). This ground is covered with low grass, trees, and shrubs. Several areas of accumulated debris and trash are present.

Based on various USGS historic topographic maps of the area dating as far back as 1906 (Figure 8), it is suspected that there may be two existing buried storm drainpipes that traverse the site (Figure 4, 6, and 7). One is located near the southwest corner of the proposed substation site which likely traverses underneath the Contra Costa Canal and runs serpentine northward below the depressed ground axis of the former natural drainage. The other is located from just west of the northwest corner of the planned generator platform and runs eastward below the northern end of the planned data halls toward the former golf course ponds near the east property line. The actual location and state of these storm drainpipes is uncertain.

3.2 CLIMATE

Pittsburg is an industrial suburb located on the southern shore of the Suisun Bay in the East Bay region of the San Francisco Bay Area and is part of the Sacramento–San Joaquin River Delta area. Pittsburg experiences a hot summer Mediterranean climate bordering on semi-arid climate due to the Mt. Diablo rain shadow in East Contra Costa County. Winters are short, cold, wet, and partly cloudy. Over the course of the year, the temperature typically varies from 39°F to 90°F and is rarely below 31°F or above 101°F. The hot season lasts about 4 (June through August) with an average daily high temperature above 83°F. The hottest month is July with an average high of 90°F and low of 58°F. The cool season lasts about 3 (mid-November through mid-February) with an average daily high temperature below 62°F. The coldest month is January with an average low of 40°F and high of 57°F. The chance of wet days in Pittsburg varies throughout the year. The wet season lasts about 5 months (November through March). The wettest month is February. The dry season lasts 7 months (April to October). The area receives about 16 inches of annual rainfall. The average annual snowfall is zero (0) inches. On average, there is some precipitation about 60 days per year.

3.3 TOPOGRAPHY AND DRAINAGE

The terrain within the former golf course can generally be described as relatively flat to slightly undulating. LiDAR based topography from the United States Geological Survey (USGS) with slope intensity highlights superimposed over an aerial photograph is presented on Figure 3. The lowest ground surface elevation is about +80 feet above mean sea level near the northeast corner of the property. The embankment crest elevation of the Contra Costa Canal is about +120 feet above mean sea level (Figure 2, 4, and 5). Hillsides along east, west, and south sides of the property reach elevations of about +230 to +250 feet above mean sea level, respectively. The project area is dissected by several natural short drainage courses emanating from the south and southwest. The inverts of these drainages coalesce and drain to the north toward small retention basins (Figure 4, 5, and 8).

There are several natural offsite drainage basins that have surface water runoff that flow toward the site (Figure 9). Basin A is about 132 acres in surface area with flows entering a storm drainpipe inlet that passes below the Contra Costa Canal near the southwest corner of the proposed substation site. Basin B is about 36 acres in surface area and also flows into a storm drainpipe inlet that passes below the Contra Costa Canal to the west of the site, then along an unlined channel along the embankment toe of the canal and then into another storm drainpipe inlet and runs eastward below the northern end of the planned generator platform and data halls toward the east property line. Basin C is about 12 acres in surface area and is believed to have collected surface flows discharge directly into the canal.

3.4 GEOLOGY AND SUBSURFACE CONDITIONS

Contra Costa County is located east of San Francisco and extends from California's Great Valley geomorphic province in the east to the Diablo Range portion of the Coast Range geomorphic province to the west. The Great Valley geomorphic province is a deep basin filled with a thick sequence of Jurassic to Quaternary period alluvial deposits eroded from the eastern Sierra Nevada Mountain Range and western coastal mountain ranges. The thickness of these deposits varies from thin veneers along the valley edges to greater than 20,000 feet in the south and central portions of the valley. Tertiary and Cretaceous period outcrops border the central plain of the valley.

The project site is located along the northern portion of Contra Costa County which is adjacent to San Pablo Bay, Suisun Bay, and the Sacramento River from west to east, respectively. An unnamed creek with a series of dissecting ephemeral drainages traverses the site in a natural dendritic pattern with coalescing flow paths that generally tend north toward towards Suisun Bay.

Four geologic units have been identified within the project vicinity based on a review of available information, published geologic maps, and observations made during our site reconnaissance and field explorations. From youngest to oldest, these units consist of man-placed artificial fill (af), Holocene (young) alluvium (Qa), Pleistocene (old) alluvium (Qoa), and Tertiary-age Oro Loma Formation (Tol). These units are described in the following sections.

A regional geologic map and legend for the project area are presented as Figure 10 and 11Figure 11, respectively. An explorations plan of the project area is presented as Figure 4. Representative geologic cross sections of the site A-A' through H-H' areas presented in Figure 12 through 19, respectively.

3.4.1 ARTIFICIAL FILL

Undocumented man-placed artificial fill (af) soils may be found in many locations throughout the project site. These soils have been placed along the low natural drainages traversing the site in order to raise the ground within the former driving range field of the golf course. They are also located in areas that were disturbed and graded as part of the Contra Costa Canal construction and maintenance. This may include areas of access roads, a water tank, canal siphon, down slope canal embankments, and spoil disposal/balance areas. Artificial fill soils may be located surrounding and within the former small water feature ponds and ancillary buildings of the golf course (i.e., clubhouse, restaurant, pro-shop, golfcart garage and maintenance building. It is understood that an 1,100-gallon underground storage tank near the maintenance building was removed and backfilled in 1997. Maximum thickness of artificial fill is estimated to be on about 10 to 15 feet thick. The estimated artificial fill extent is presented in Figure 4.

Artificial fill at the site may consist of a wide variety of soil types having variable composition, consistency, moisture content and degree of compaction. It is believed that most of these soils include mixed fine to coarse sands and clays of low to high plasticity. They may also include gravel, organic-rich topsoil, trash, and construction debris. Glass shards were encountered in Boring WSP-PTC-15A at a depth greater than 5 feet. In general, artificial fill may consist of loose to medium dense sand and soft to medium stiff clay. These materials have low strength, are compressible and therefore should be considered incompetent and not capable to adequately support additional fill soil, structural elements, or pavements in their current state. Recommendations for remedial earthwork including their removal, handling, processing, special treatment, and reuse/disposal are presented in Section 5.1 (Earthwork).

3.4.2 HOLOCENE YOUNG ALLUVIUM

The Holocene (Qa) young alluvial sediments are typically along the narrow bottoms of the natural drainages and may be on the order of 3 to 5 feet thick. These alluvial deposits include low to high plasticity clays (CL/CH) and silts (ML), clayey medium to fine sands (SC) with isolated sandier zones with or without fine to coarse gravel. The majority of the Holocene alluvium may be considered medium stiff (firm) to stiff lean sandy lean clay (CL) based on correlated SPT and Mod-Cal sampler blow counts and pocket penetrometer (PP) resistance. Some zones of the Holocene alluvium are soft, moist, compressible and have a low undrained shear strength. Like the artificial fill, these soils are considered incompetent and not capable to adequately support additional fill soil, structures or pavements in their current state. Although a shallow groundwater table was not encountered during the field investigation, it may be considered reasonable to assume that these materials in the low-lying natural drainages periodically become saturated during and shortly after periods of heavy precipitation. Recommendations for remedial earthwork and installation of a canyon subdrain systems below compacted fills in these areas are presented in Section 5.1 (Earthwork). The estimated extent of Holocene Alluvium is presented in Figure 4 and 8.

3.4.3 PLEISTOCENE OLDER ALLUVIUM

Pleistocene (Qoa) sediments form the broader elevated dissected alluvial fan deposits within the project area. These materials are generally located in the northly, southeasterly, and westerly zones of the project site. Somewhat similar to the Holocene alluvium, these materials include low to high plasticity clays (CL/CH) and silts (ML), clayey medium to fine sands (SC) with isolate sandier zones with few fine to coarse gravel. A shallow groundwater table was not observed in this geologic. The estimated extent this geologic unit is presented in Figure 4 and 8.

The majority of this material may be considered very stiff to hard lean sandy lean clay (CL) and dense to very dense clayey sand (SC) based on correlated SPT and Mod-Cal sampler blow counts, PP resistance, undrained-unconsolidated triaxial shear and direct shear strength and tests. These primarily cohesive sediments are highly overconsolidated with a liquidity index typically between 10 and 20 percent. These soils are considered competent and suitable of the support of additional compacted fill and structures.

3.4.4 TERTIARY ORO LOMA FORMATION

Rocks outcropping south of the project site within the northern tip of the Diablo Range include the Los Medanos Hills which consist of Tertiary-age (Miocene to Pliocene) sediments of the Oro Loma Formation (Tol). Oro Loma Formation may be up to 300 feet thick and consists of moderately consolidated claystone, siltstone, and sandstone with interbedded pebble conglomerate. This geologic unit was not encountered in the any of the exploratory borings. However, two 1.5H:1V cut slope exposures for the Contra Costa Canal west of the project site are visible in the hillside. The northerly and southerly cut slope faces are about 20 and 35 feet high, respectively. The southern cut slope has an intermediate bench near midheight. The extent of this geologic unit within the project area is presented in Figure 4, 8, and 10.

3.5 GROUNDWATER

A groundwater table was not encountered in any of the exploratory borings. However, groundwater levels at the site are subject to variations due to seasonal fluctuations, the presence of the Contra Costa Canal, and other artificial/natural influences. In general, groundwater levels at the project site may be considered at or slightly above the elevations of the natural drainages that cross the site. Groundwater table phreatic surface gradients are likely less than 2 percent emanating away from the natural drainages that cross the site. During the wet season, groundwater levels are expected to rise several feet. Isolated zones of perched groundwater may exist within the mass of the hillsides adjacent to the site albeit that there is little evidence such as lateral seeps or springs in the area.

3.6 TECTONIC SETTING AND HISTORIC SEISMICITY

The San Francisco Bay Area is located near the western edge of the North American Plate. The western edge of the North American Plate is generally defined by the San Andreas Fault zone, with the land west of the San Andreas fault zone considered part of the Pacific Plate. The crustal deformation related to this plate boundary is expressed by numerous faults within the San Andreas Fault system, and this system includes the Hayward Fault, Calaveras Fault, Concord Fault, Clayton Fault-Greenville Fault, and Napa Fault, among others. These Quaternary faults have varying degrees of seismic activity. However, they define a broad area susceptible to earthquake hazards. A regional fault map is presented as Figure 20.

In the state of California an "active fault" is defined as a fault that exhibits surface displacement having occurred during Holocene time (within the last 11,700 years). The definition of "potentially active" varies. A generally accepted definition is of a fault showing evidence of displacement that occurred between 11,700 years and 2.6 million years ago. However, "potentially active" is no longer used as a criterion for zoning by the California Geological Survey (CGS). The terms "sufficiently active" and "well-defined" are now used by the CGS as criteria for zoning faults under the Alquist-Priolo Earthquake Fault Zoning Act. A "sufficiently active" fault is one that shows evidence of Holocene surface displacement along one or more of its segments and branches. A "well-defined" fault is one whose trace is clearly detectable by a physical feature at or just below the ground surface. The definition "inactive" generally implies that a fault has not been subjected to seismic activity for more than 2.6 million years.

The project site is not located within an active Earthquake Fault Zone as defined by the CGS. However, many of the faults in the area are considered active but have not typically generated surface fault rupture. The location, historical seismicity, and maximum magnitudes for earthquakes in the vicinity are presented in Table 3.1. The project site may be subject to ground shaking from seismic events associated with the active and potentially active fault systems in the area. The intensity of ground shaking that occurs during an earthquake depends upon the magnitude of the earthquake, the location of the seismic source relative to the site, and the subsurface conditions.

Table 3.1 Project Vicinity Faults

FAULT	DISTANCE AND DIRECTION FROM SITE	HISTORICAL SEISMICITY	MAXIMUM MOMENT MAGNITUDE EARTHQUAKE
Vacaville-Kirby Hills	26 miles northwest	Many <m 4<="" td=""><td>NA</td></m>	NA
Midland-Rio Vista	15 miles east	None within last 700,000 years	NA
Carneros-Franklin	11 miles west	M 6.4, 1898	6.4
West Napa	26 miles northwest	M 6.5, 2003	6. 5
Clayton-Marsh Creek- Greenville	3.5 miles southwest	M 5.6, 1980	7.0
Concord/Green Valley	7 miles southwest	Historic Active Creep	6.9
Mt. Diablo Thrust	4 miles southwest	Holocene Active	6.7
Calaveras	12 miles southwest	M 5.6-6.4, 1861, M 4-4.5, 1970, 1990	6.8
Hayward	20 miles southwest	M 6.8, 1868, M 5.6, 1889, many <m 4.5<="" td=""><td>6.9</td></m>	6.9
Rodgers Creek	30 miles northwest	Holocene Active	7.0
San Andreas	40 miles southwest	M 7.1, 1989, M 8.25, 1906, M 7.0, 1838, many <m 6<="" td=""><td>7.9</td></m>	7.9

4 GEOLOGIC HAZARDS

4.1 GENERAL

This section discusses common geologic hazards and their potential at the subject site. The evaluations presented herein are based on existing information, WSP's field explorations, laboratory testing, investigation interpretation and professional judgement.

4.2 FROST

Frost penetration depth or frost line is defined as the depth at which the ground moisture is expected to freeze during a sustained period of subfreezing ambient temperatures. Shallow foundations and buried utilities should be located below the frost line to reduce the impacts of ground deformation (heave) induced by groundwater freeze and thaw cycles. Pavements resting on frost-susceptible soils are subject to differential heaving, surface roughness and cracking, blocked drainage, and a reduction in strength during thaw periods.

Presence of frost-susceptible soils in combination with subfreezing temperatures in the soil and a source of water, form the conditions for the formation of frost. Soils are classified into general groups of frost susceptibility based on the fines content, either material passing the #200 sieve (NCHRP 1-37A, 2004) or material finer than 0.02 mm (USACE, 1965). Little to no frost action occurs in clean, free draining sands, gravels, crushed rock, and similar granular materials, under normal freezing conditions. Silts are highly susceptible, because of relatively small voids, high capillary action, and relatively high permeability (FHWA, 2006). Anticipated extreme depth of frost penetration ranges between 10 and 20 inches, based on the National Oceanic and Atmospheric Administration (NOAA) published relevant map (NOAA, 1978). A frost depth of less than 5 inches is suggested by the U.S. Department of Commerce for areas west of Stockton and Sacramento.

4.3 TSUNAMI, FLOOD, DEBRIS FLOW AND SEICHE

Tsunamis are large sea waves that are most often generated by displacements of the ocean floor along submarine faults. They can also develop in response to other events, such as submarine landslides. The site elevation is above +80 feet above mean sea level and the associated risk may be considered nil.

Other types of flooding may occur at the project site due to intense rainfall rates. Based on review of the Federal Emergency and Management Administration (FEMA) Flood Insurance Rate Maps (FIRM) (Map No. 06013C0118G, dated 9/30/2015), the site is not located within a mapped flood hazard zone.

The potential for debris flows including mudslides that may be brought on by intense and persistent periods of rain may exist within the offsite canyon areas to the west and south of the project site. Debris flows are fast moving flows of mud that may include rocks, vegetation, and other random materials. Once triggered, subsequent debris flows may become more frequent. Debris flows pose a hazard to life and property. The quantity and intensity of debris flow volume has not been estimated.

Seiches are defined as oscillations in a closed body of water such as a lake or reservoir due to earthquake shaking or earthquake rupture. The subject site is not located near a large, enclosed body of water and therefore, the hazard to the project posed by seiches is considered nil.

4.4 SUBSIDENCE

Land subsidence occurs when extensive amounts of groundwater are withdrawn from aquifer systems or due to seismic event, and can damage buried utilities, structures, and generally infrastructure. Typically, fine-grained materials (clays and silts) are more susceptible to settling than coarse-grained materials when subjected to groundwater extraction. Subsidence can also occur in areas of shallow underground mines with incompetent overburden materials. No groundwater extraction or underground mines are known to be near the site. The risk of ground subsidence at the site may be considered low.

4.5 FAULT SURFACE RUPTURE

Ground surface displacement, or rupture, caused by an earthquake is a major consideration in the design of construction across active faults. The Alquist-Priolo Earthquake Fault Zoning Act requires the State Geologist to identify earthquake fault zones along traces of both recently active and potentially active major faults. CGS has not mapped any fault zones within the project area. While there is always a possibility of an unmapped fault crossing the project site, based on the available data, the possibility of fault ground rupture may be considered low.

4.6 GROUND MOTION

The time-averaged shear wave velocity ($V_{5,30}$) in the upper 100 feet (30 m) was estimated through MASW geophysical surveys to range from about 900 to 1,000 ft/s. Therefore, the project site can be classified as Seismic Site Class D (Medium Dense Sand or Stiff Clay) per ASCE 7-22, as shown in Table 4.1.

Table 4.1 Site Classification per ASCE 7-22

SEISMIC SITE CLASS	V _{s,30} (FEET/SEC)
A. HARD ROCK	> 5,000
B. MEDIUM HARD ROCK	>3,000 to 5,000
BC. SOFT ROCK	>2,100 to 3,000
C. VERY DENSE SAND OR HARD CLAY	>1,450 to 2,100
CD. DENSE SAND OR VERY STIFF CLAY	>1,000 to 1,450
D. MEDIUM DENSE SAND OR STIFF CLAY	>700 to 1,000
DE. LOOSE SAND OR MEDIUM STIFF CLAY	>500 to 700
E. VERY LOOSE SAND OR SOFT CLAY (1)	≥500
F. SOILS REQUIRING SITE RESPONSE ANALYSIS	See Section
(ASCE 7-22, SECTION 21.1)	20.2.1

[®] For soils that do not qualify as Site Class F and contain more than 10 ft of soft clay defined by an undrained shear strength less than 500 psf, moisture content greater than or equal to 40%, and plasticity index (PI) greater than 20, shall be classified as Site Class E.

Seismic demand per ASCE 7-22 for the subject site can be determined from the Seismic Design Maps using the ASCE 7 Hazard Tool provided that certain code requirements are met (see discussion below and Section 11.4.7 of ASCE 7). Estimated preliminary seismic design parameters using a Seismic Site Class D are presented in Table 4.2. The proposed facilities may be classified as Risk Category III and IV, for single-story and multi-story buildings, respectively. Appendix F presents the ASCE 7 Hazard Tool Report.

Table 4.2 Seismic Design Parameters

DESIGN PARAMETER	SYMBOL	VALUE
Seismic Design Category (Site Classification)		D
MCE_R , 5% damped, spectral response acceleration parameter at a period of 0.2 s (Site Class BC)	Ss	2.13
MCE_R , 5% damped, spectral response acceleration parameter at a period of 1.0 s (Site Class BC)	S ₁	0.63
MCE_R , 5% damped, spectral response acceleration parameter at short periods, adjusted for site class effects	S _{MS}	2.25
MCE_R , 5% damped, spectral response acceleration parameter at a period of 1.0 s, adjusted for site class effects		1.54
Design, 5% damped, spectral response acceleration parameter at short periods (2/3*S _{MS})		1.50
Design, 5% damped, spectral response acceleration parameter at a period of 1.0 s $(2/3*S_{MI})$		1.03
Mapped MCE _G Peak Ground Acceleration		0.83
Long-period transition period (s)		8

Source: ASCE 7-22 Hazard Tool, available at https://asce7hazardtool.online/

MCE_R: Risk-Targeted Maximum Considered Earthquake (2% probability of exceedance in 50 years)

MCE_G: Maximum Considered Earthquake Geometric Mean

Per ASCE 7-22 Section 11.4.7, site-specific ground motion hazard analyses (GMHA) and site response analyses (SRA) are required for structures located on Site Class F sites, unless exempted in accordance with Section 20.3.1. The Pittsburg Technology Center Project has been identified as a Site Class D, and therefore, does not require site-specific ground motion studies to be performed. Inasmuch, these studies are permitted to be performed at any project site to determine the seismic design acceleration parameters, which will minimize inherent conservatisms implemented into the generalized code-based parameters presented in Table 4.2. An optional site-specific seismic hazard and site response analysis has been detailed in Section 5.5 as a potential supplemental study for this project, and if deemed necessary, could be undertaken by WSP to provide site-specific seismic demands for design of the proposed developments.

4.7 LIQUEFACTION AND LATERAL SPREADING

Liquefaction is a phenomenon in which saturated, cohesionless soils lose their inherent shear strength and stiffness due to build-up of excess pore water induced by cyclic loading, such as that caused by an earthquake. Liquefaction potential depends on several factors, primarily the (a) relative density and type of soil, (b) the depth to the groundwater, (c) overburden pressures, and (d) the duration and intensity of seismic shaking (PGA). Loose, saturated granular materials (sands and low to non-plastic silts) are most susceptible to liquefaction. Cyclic softening is a phenomenon in which saturated silts and clays exhibit significant strains and strengths loss during cyclic loading.

The potential consequences of liquefaction to engineered structures include loss of bearing capacity, buoyancy forces on underground structures and utilities, ground oscillations or "cyclic mobility," increased lateral earth pressures on retaining walls, post-liquefaction settlement, lateral spreading/slope instability, and "flow failures" or lateral spreading in slopes. Due to the existing and anticipated predominately clayey subsurface materials and absence of a shallow groundwater condition at the site, the liquefaction potential may be considered negligible.

Lateral spreading is defined as the finite, lateral displacement of gently sloping ground because of pore pressure build-up or liquefaction in a shallow underlying deposit during an earthquake. Notwithstanding, lateral spreading hazard may be considered negligible.

4.8 SEISMIC SETTLEMENT

Seismic settlement is a phenomenon in which loose, unsaturated coarse-grained soils tend to densify during earthquake. Given the anticipated remedial earthworks, presence of competent compacted fill, very stiff to hard undisturbed Pleistocene older alluvium and a deep groundwater table, the estimated anticipated seismic settlement may be considered negligible.

4.9 EXISTING SLOPE STABILITY

No existing landslides including landslips, escarpments, slumps, or other salient ground failures were observed in the project area slopes during the site reconnaissance and investigation activities that are directly within planned development areas. Existing slopes in the project area may be considered stable.

4.10 EXPANSIVE SOILS

Expansive soils are materials that undergo significant volume changes in response to relative changes in water content (wetting and drying). Expansive soils have a significant amount of clay particles, which can absorb, release, and hold water. The amount of expansive clay minerals and the magnitude of water content change controls volumetric changes. Seasonal water content fluctuations might result in volume changes of surficial soils, exerting stress on pavements and shallow foundations bearing on them.

Lightly loaded structures are more susceptible to damage by expansive soil. Expansive soils can be highly plastic, stiff and overconsolidated with low natural water content and high natural dry unit weight. Simplified methods have been developed to identify expansive soils based on grain size and index properties. In general, soils meeting all four of the following provisions may be considered expansive:

- Plasticity Index (PI) > 15 percent
- Percent of fines (passing sieve #200) > 40 percent
- Percent of colloidal particles (<5 micron) > 20 percent
- Expansion Index > 20

Since the subject site is expected to be underlain by predominantly low to high plasticity clays (CL/CH) and clayey sand (SC), medium to high expansion potential is anticipated. Observed desiccation cracks in the project area also provide evidence of potentially expansive soils. Inasmuch, the potential hazard to the project due to expansive soils may be deemed moderate to high. The use of lime stabilization for improvement of clayey compacted fill soils may be considered practical and economical. An application dosage of 3 to 7 percent lime may be considered appropriate. Recommendations for lime stabilization are presented in Section 5.1 (Earthwork). Kiln dust and fly ash are other additives that may be considered for stabilization purposes.

4.11 COLLAPSIBLE SOILS

Collapsible soils can be defined as soils that have the potential to undergo rapid deformation when inundated with water under constant applied load. Typically, collapsible soils have a low dry density and low natural moisture content. Many collapsible soils have little to no plasticity and often classify as silts (ML) or lean clays (CL) (FHWA, 2017). Several criteria based on dry density, liquid limit, void ratio, and other index properties have been proposed for the indirect identification of collapsible soils. Those serve as indicators and do not account for soil properties, such as natural particle structure or cementation. The onsite soils are presumed to have negligible to low collapse potential.

4.12 SOIL CORROSIVITY

Corrosion testing (pH, sulfates, chloride, electrical resistivity) typically evaluates the presence of chemicals corrosive to concrete and ferrous materials in the subsurface soils. The amount of dissolved inorganic solutes in soil is directly proportional to the corrosive potential. High sulfate content might be deleterious to concrete materials in foundation elements, while high chlorides content might be corrosive to ferrous materials. Sulfates and chlorides concentrations higher than 1,000 (parts per million) ppm and 500 ppm, respectively, may be indicative of corrosive environments. Similarly, pH values lower than 5.5 may generally be considered detrimental for concrete foundations. Tests soils at the site have a pH ranging from 6.8 to 7.6. Soluble sulfate test results ranged from 60 to 667 mg/kg. Soluble chloride test results ranged from 22 to 448 mg/kg. Minimum electrical resistivity test results ranged from 362 to 2,546 ohm-cm.

American Concrete Institute (ACI) 318-14, Table 19.3.1.1 classifies the soil environments based on the water-soluble sulfate concentrations into Exposure Categories, as shown in Table 4.3. Restrictions to the concrete types apply if the sulfates concentration indicates exposure category higher than S0.

	EXPOSURE	SULFATE
	CATEGORY	CONCENTRATION
	S0	SO ₄ ⁻² < 0.10 %
₹	S1	$0.10\% \le SO_4^{-2} < 0.20\%$
	S2	$0.20\% \le SO_4^{-2} < 2\%$
	S4	2% > SO ₄ ⁻²

Table 4.3 Exposure Categories Based on Sulfate Concentration

In addition, per ACI 318, for non-prestressed concrete, the permitted maximum amount of water-soluble chloride ions incorporated into the concrete depends on the degree of exposure to an anticipated external source of moisture and chlorides. Additional information on the effects of chlorides on the corrosion of steel reinforcement are discussed in ACI 201.2R (providing guidance on concrete durability) and ACI 222R (providing guidance on factors impacting corrosion of metals in concrete). Initial evaluation of the chloride ion content of the concrete mixture can be obtained by testing individual concrete ingredients.

Resistivity is an indirect measurement of the soluble salt content in the soils, and generally varies with the soil moisture content, and is inversely proportional to the soil corrosive potential. The evaluation of corrosion potential of buried unprotected metal objects can be performed based on the commonly accepted correlation with the minimum soil resistivity per National Association of Corrosion Engineers (NACE, 1984), as shown in Table 4.4.

Table 4.4 Corrosion Potential Based on Electrical Resistivity

MINIMUM RESISTIVITY (OHM-CM)	CORROSION POTENTIAL
0 - 1,000	Severely Corrosive
1,000 - 2,000	Fairly Corrosive
2,000 - 10,000	Moderately Corrosive
>10,000	Mildly Corrosive

WSP opines that near-surface soils at the site are expected to be moderately to severely corrosive. All imported materials should be tested for corrosion potential. Specifications for corrosion test parameter limits should be jointly determined by the Civil and Structural Engineers. It is recommended that the corrosion test results be reviewed and evaluated by the project designers considering the proposed site grading, project improvements and project lifespan requirements. A qualified corrosion engineer can be contacted for detailed evaluation of corrosion potential with respect to construction materials at this site and review the proposed design.

4.13 RADON

Radon is a colorless, odorless, tasteless radioactive gas, produced as a natural decay produce of uranium. Radon can be encountered in different concentrations in subsurface materials and may seep from the ground into the atmosphere and in the built environment, especially in basements or ground floors. The radon concentration in the atmosphere is typically lower than 0.5 pCi/L (picocuries per liter of air). Remedial actions should be taken when radon concentrations exceed 4 pCi/L, per recommendations of US Environmental Protection Agency (EPA). Based on the available geohazards online database from the EPA, the subject site is mapped within a zone with a radon average of 2 to 4 pCi/L (moderate level). Monitoring the radon levels during the service life of the planned development may be warranted.



5 RECOMMENDATIONS

5.1 EARTHWORK

Based on the results of our site reconnaissance, document review, previous field explorations, laboratory testing, and data analysis, it is our opinion that the construction of the proposed project is feasible from a geotechnical standpoint provided our recommendations are incorporated into the design and construction of the project. Conventional earthwork and grading methods may be considered appropriate for the subject project.

5.1.1 SOIL CHARACTERISTICS

The near surface undocumented fill and Holocene alluvium (Qa) are considered unsuitable for structural support of floor slabs, shallow foundations, and pavements in their current condition. These soils mainly consist of lean clays and clayey sands which may be potentially expansive. Deeper soils within the project site include stiff to very hard Pleistocene older alluvium (Qoa) consisting of low to high plasticity clay (CL/CH) and dense to very dense clayey sand (SC) with minor amounts of gravel. The excavation of these materials should be possible using moderate to strong effort with conventional heavy-duty excavating equipment. Ground ripping with bulldozers should be possible. Excavations into the Tertiary age Loma Oro Formation are not planned. Large cobbles and boulders are not anticipated.

5.1.2 SITE PREPARATION

Prior to start of any earthwork, the site should be cleared of vegetation, debris, buried pipes and trash. Buried obstructions, such as tree roots and abandoned utilities, should be removed. Deleterious materials including organics and other debris resulting from the clearing and grubbing operations should be removed from the site. Soils with organic content exceeding 3 percent may be considered "topsoil" and should not be used for engineered fill. For estimating purposes, it may be assumed that the upper 6 to 12 inches of soil across the site contains an abundance of topsoil. These soils are anticipated to be variably loose and soft with low to high moisture content.

All existing undocumented fill soil and Holocene alluvium should be overexcavated, moisture conditions, processed and replaced as properly compacted fill (see Section 5.1.5). The subgrade exposed at the bottom of excavations should be observed prior to the placement of any fill to verify that potential unsuitable soils have been removed. Additional removals may be required as a result of observation and testing of the exposed subgrade soils. The excavation of unsuitable materials should be conducted in a manner that minimizes the disturbance of competent materials.

5.1.3 TEMPORARY EXCAVATIONS

Temporary excavations should be laid back or shored in accordance with the U.S. Occupational Safety and Health Administration (OSHA) and any other applicable regulations. For planning purposes, all near-surface soils can be considered OSHA Type C soil. The actual OSHA soil type should be determined by the contractor's responsible person in the field at the time of construction. Type C soils may have up to 1½H:1V temporary construction excavation slopes up to 20 feet high. If stability of an excavation becomes questionable during construction, the excavation should be evaluated promptly by the Geotechnical Engineer. The vertical unbraced excavations are not recommended.

The soil classifications presented in this report may be used for the planning of temporary excavations in accordance with OSHA requirements. Construction personnel should be aware that soil conditions may change rapidly if soil moisture conditions change or if soils that have been disturbed by previous excavations are encountered. Measures should be taken to protect construction personnel from raveling of excavated slopes. All excavations should comply with current OSHA safety requirements.

No surcharge loads, such as the weight of heavy equipment, should be placed within 10 feet from the top of open excavations. Care should be taken during excavation to avoid removing support for any existing improvements, such as foundations, pavements, and buried utilities. The contractor is responsible for selecting, designing, and constructing temporary shoring systems (if needed) that adequately protect the existing structures, utilities, and other improvements.

5.1.4 CONTRA COSTA CANAL MONITORING

We recommend the project Civil Engineer complete a survey and regularly monitor movements or the development of cracks in the concrete lining of the Contra Costa Canal where temporary excavations or final graded conditions alter existing ground conditions within a distance of 100 feet. This may be necessary near the southwest corner of the proposed substation site where an existing storm drainpipe may need to be rerouted.

The construction monitoring and performance of the temporary excavations and shoring systems are ultimately the contractor's responsibility. The horizontal and vertical movements should be monitored by a licensed surveyor, and that the movements be evaluated for performance. The Civil Engineer should establish a monitoring that address the location and number of monitoring points, monitoring frequency, and acceptable movement before notification of the owner is required. However, at a minimum, we recommend the canal concrete lining should be surveyed prior to excavation, and then on a daily basis until the maximum excavation depth has been reached and backfill completed.

Then for an additional 2-month period beyond reaching maximum excavation depth or until the movements stabilize, whichever results in the longer monitoring period. Surveying should consist of measuring movements in vertical and two orthogonal horizontal directions. The surveying should be able to measure to 0.005 foot. The results of the surveying should be submitted for review and comment by the design team and owner.

5.1.5 REMEDIAL EARTHWORK

Majority of the near-surface soils on site are not anticipated to be suitable for direct support of proposed improvements. Inasmuch, some remedial earthwork and grading is recommended throughout the former golf course area. A specified level of soil overexcavation and subsequent recompaction required may depend on planned site grades with respect to existing grades and the depth of existing incompetent materials. It is estimated that the depth of remedial earthwork could range from 1 to 5 feet over a significant portion of the lower elevation areas of the site withing the existing drainage areas.

The remediation of near-surface expansive soils at the site may include their direct removal and replacement with low to non-expansive material to depth on the order of about 5 feet below finish grade in building areas and 3 feet in pavement areas. Where new fill is to be placed over existing ground the material removal depth may be between 1 and 3 feet depending on the actual location and ground resistance observed during grading. Alternatively, the use of lime stabilization treatment may be considered in order to reduce or eliminate the expansion potential of compacted soils. Lime dosage on the order of 3 to 7 percent may be deemed appropriate.

5.1.6 CONSTRUCTION DEWATERING

The need for construction dewatering is not anticipated. However, if construction occurs during or following a season of high precipitation and a shallower groundwater condition is encountered, it is recommended that appropriate dewatering measures be taken to ensure a dry and stable excavation at time. Considerations for construction dewatering should include pumping system type, groundwater drawdown, water volumes and impact to surrounding facility due to induced settlement. Disposal of pumped groundwater should be performed in accordance with local governing agency and Regional Water Quality Control Board requirements.

5.1.7 KEYWAYS AND BENCHING

Keyways should be excavated at the base of fill slopes. The width and depth/elevation of each keyway should be based on an evaluation of the actual observed site conditions. The minimum key width is 10 feet. The entire key width should be excavated into competent formational material and tilted downward away from the slope toe at an inclination of at least 2 percent. The exposed keyway should be scarified to a minimum depth of 12 inches, brought to slightly above the optimum moisture content and recompacted prior to placing additional fill. The need for scarification should be evaluated at the time of grading by WSP and potentially waived in cemented, dense, and hard materials.

5.1.8 SUBSURFACE DRAINS

To reduce the potential for water related distress to the proposed improvements, it is recommended that a subsurface drain (subdrains) be installed along the bottom of the two principal drainages at the site. Generally, the location and lateral extent of subdrains should be determined in the field based on actual observed conditions but in no case should they be located in areas that might conflict with deep foundations (if used). Inasmuch, a plan should be developed for subdrains that conform with the foundation plans. The precise as-built locations of subdrains should be surveyed and documented. The subdrain is not required if the depth of fill is less than 5 feet.

The subdrain should consist of an approved nonwoven geotextile (e.g., Mirafi 140N or equivalent) which envelopes at least 10 cubic feet per linear foot of clean, coarse crushed drain rock. The geotextile should have at least a 12-inch overlap of material. The subdrain should have at least a 1 percent fall. A drainpipe is not deemed necessary for the entire subdrain alignment. However, the subdrain should be provided with at least 20 feet of solid (non-perforated) pipe before it freely discharges through the slope toe. A small headwall should be provided for the subdrain pipe at the slope toe.

5.1.9 ENGINEERED FILL

After clearing and grubbing has been performed, the majority of onsite materials may be used as engineered fill, provided that they are free of oversized rock, organic materials, and deleterious debris. Oversize material in excess of 6 inches in diameter should not be used in structural fill. This should be limited to a maximum size of 3 inches in the upper foot below building floor areas.

Although the optimum lift thickness for fill soils will be dependent on the type of compaction equipment utilized, fill should generally be placed in uniform lifts that do not exceed approximately 8 inches in loose thickness. Import materials should have an expansion index less than 50, a minimum R-value of 15, no greater than 40 percent of the particles passing the No. 200 sieve, and no particles greater than 3 inches.

The onsite soil placed as engineered fill should be moisture conditioned to between optimum and 2 percent above optimum moisture content and compacted to a minimum of 90 percent of the ASTM D 1557 maximum dry density. We recommend that engineered fill below building areas be compacted to at least of 95 percent within building footprint areas. An adjustment to the maximum dry density and optimum moisture content should be performed when there are more than 5 percent oversize particles (larger than ¾ inch) in the fill material. The adjustment should follow ASTM D4718,

Areas including pavements, slab-on-grade for floors, walkways, and other hardscape/flatwork areas, the upper 12 inches of engineered fill should be moisture conditioned near the optimum moisture content (±2%) and compacted to at least 95 percent relative compaction of the maximum laboratory dry density as determined by ASTM D 1557 (Modified Proctor). The maximum particle size should 3 inch.

5.1.10 BULKING AND SHRINKAGE

Excavation of the onsite undisturbed formational materials for reuse as compacted fill will results in some bulking. Shrinkage may occur in loose surficial soils including the lower elevation alluvial deposits. The estimated bulking of the formational materials may be on the order of 5 to 10 percent. The estimated shrinkage of surficial soils including alluvial deposits may be on the order of 5 to 10 percent.

5.1.11 EXPANSIVE SOILS

In general, expansive soils are anticipated at the project site. If encountered in cut areas at finish grade in building areas, we recommend that these materials be overexcavated below finish grade and replaced with soils of negligible to low expansion potential. The expansive materials may be disposed of in deeper fills. Placement of the expansive materials in the deeper fills may require extra handling and stockpiling during remedial grading. We recommend that the formational materials in cut areas be checked during grading for expansive material near finish grade. Overexcavation depths should be at least 5 feet below building pads and 2 feet below exterior flatwork. Select material consists of clean, granular material with a low expansion index of 50 or less, as evaluated by ASTM D 4829.

5.1.12 ENGINEERED SLOPES

Conceptually, it is anticipated that the project may have engineered slopes consisting of excavations (cuts) and embankments (fill) less than 10 feet in maximum height. All slopes should have a maximum inclination of no greater than 2H:1V. Brow ditches should be placed at the top of all slopes. Where existing ground is steeper than 5H:1V (20%) and the depth of fill exceeds 5 feet, benching should be performed in accordance with Figure J107.3 of the CBC Appendix J. Keyways should be 10 feet wide.

Slopes may be susceptible to shallow sloughing in periods of intense rainfall, heavy irrigation, and upslope runoff. Periodic slope maintenance may be required including rebuilding the slope face. Sloughing of fill slopes can be reduced by overbuilding and cutting back to the desired slope. To a lesser extent, sloughing can be reduced by backrolling slopes at frequent intervals during grading. All fill slopes should be dozer trackwalked at least twice. All cut and fill slopes should be planted. Both cut and fill slopes may be subject to softening and creep movement, whether the slopes are natural or man-made.

5.1.13 PAVEMENT AND SLAB-ON-GRADE SUBGRADE PREPARATION

In pavement areas and slab-on-grade for walkways or other flatwork areas, the upper 12 inches of subgrade soils should be moisture conditioned between optimum to 2 percent above optimum content and compacted to at least 95 percent relative compaction of the maximum laboratory dry density, as evaluated by ASTM D 1557. The maximum size rock in this zone should be limited to 3 inches in size.

5.1.14 PIPE BEDDING AND TRENCH BACKFILL

Pipe bedding should consist of sand or similar granular material having a Sand Equivalent of not less than 30. The sand should be placed in a zone that extends a minimum of 6 inches below and 12 inches above the pipe for the full trench width. The bedding material should be compacted to a minimum of 90 percent of the maximum dry density. Trench backfills above pipe bedding may consist of approved, onsite or import soils placed in lifts no greater than 8 inches loose thickness and compacted to 90 percent of the maximum dry density. Backfill should not contain rocks over 3 inches in size.

5.1.15 SITE DRAINAGE

Final elevations at the site should be planned so that positive drainage is established around structures such that surface water runoff is directed away from foundations and top of slopes and other proposed elements of the project. Positive site drainage is defined as a slope of 2 percent or more for a distance of 5 feet or more away from foundations. Downspouts should discharge to controlled drainage systems. Planters should be built so that water exiting from them will not seep into the foundation areas or beneath slabs and pavement. Irrigations should be limited to the minimum actually necessary to properly sustain the landscaping plants. Should excessive irrigation, waterline breaks, or unusually high rainfall occur, then saturated zones and perched groundwater may develop. Consequently, the site should be graded so that water drains away readily without saturating the foundation or landscaped areas. Potential sources of water, such as water pipes, drains, and garden ponds should be frequently inspected for leakage or damage. Any such leakage or damage should be repaired promptly.

5.1.16 STORMWATER INFILTRATION

The feasibility of a stormwater infiltration system is dependent on the geologic, hydrogeologic and geotechnical conditions of a site. In general, near-surface soils at the site are relatively impermeable. Based on our evaluation and experience, these near-surface soils are expected to have a slow infiltration rates less than 0.5 inch/hour. The use of a stormwater infiltration system, which would permit wetting and saturation of both compacted engineered fill soils and natural undisturbed formational soils, should not be utilized in project design. It is our opinion the site is not suitable for stormwater infiltration.

WSP is of the opinion that purposely allowing compacted fill soils at the site to become wetter than their controlled placed moisture content is not recommended. Wetting of compacted fill soils would increase the potential risks related to site settlement (hydro-consolidation), heaving of expansive soils and hydrostatic pressure build up behind basement and other retaining walls. In our opinion, no appreciable amount of stormwater infiltration is physically feasible without negative consequences that can be reasonably mitigated. If bioswales or bioretention systems are used, we recommend that they be lined with an impermeable geosynthetic to mitigate the potential for undesirable infiltration.

5.1.17 EROSION CONTROL

The potential for soil erosion is largely impacted by local soil characteristics, vegetative cover, topographic relief, and the frequency and intensity of rainfall and wind. Removal of vegetation and disturbance to surficial soils by construction activities may result in local increases of erosion rates in unprotected areas. As a result, sedimentation may increase in local drainages and slope intersections. Uncontrolled diversion of storm water runoff from the site to unlined drainage channels could result in extensive erosion due to concentrated flow. This is particularly true during and immediately following site grading. Site development normally increases the amount of impervious area, thus increasing the volume of storm water runoff. Concentration of flow in drainage structures can result in increased flow velocities and erosion potential. Soils on slopes exposed by site development will be subject to erosion by wind and water. This can result in increased turbidity of runoff to the downstream area.

Erosion prevention and sedimentation control is a complex issue and is usually best addressed by sound planning and the use of Best Management Practices (BMPs). Erosion control BMPs are the "best" available technologies that are consistent with conventional local control practices. Implementation is dependent onsite conditions and applicability of proven cost-effective methods. The selection and implementation of construction BMPs is dependent on what existing features need to be protected.

BMPs for erosion and sediment control are selected to meet the specific objectives based on site conditions, serviceability, and cost. Various BMPs in combination or succession may be needed for a given area. Selection of erosion control BMPs should be based on minimizing disturbed areas, stabilizing disturbed areas, and protecting slopes and channels. It also should be based on retaining sediment on-site and controlling the site perimeter. All implemented BMPs should be regularly monitored and controlled after initial installation, as well as during and after any storm generating runoff, to determine maintenance requirements and the general condition of the installed system.

To reduce soil erosion and sediment transport, protective material such as gravel, crushed stone, pavement, and other effective erosion control materials should be used to stabilize exposed soils. Slopes should be provided with temporary drainage and erosion control measures during construction until permanent measures can be installed. Storm water runoff from construction areas should be conveyed to temporary diked detention areas for sediment deposition, then discharged to the existing natural drainage courses with velocities slow enough to prevent further erosion in the drainage courses.

Control of erosion and sedimentation on recently graded construction sites require both vegetative and structural measures. Vegetative species used to control erosion should be selected to accommodate the soil characteristics and climate at the site. Storm runoff control should be provided during and after completion of site grading by using diversion dikes and permanent drainage facilities. Sediment retention structures such as sediment basins, sediment traps or silt fences should be used to keep eroded material on the site. Straw bales used alone, or in combination with geotextiles, can be effective sediment retention structures when properly installed and maintained.

We recommend the following practices be part of the project:

- Use temporary plant cover, mulching, and/or structures to control runoff and protect areas subject to erosion during construction.
- Minimize soil exposure during the rainy season by proper timing of grading and construction and be prepared to shut down all earthwork if heavy precipitation occurs.
- Have erosion control equipment and materials onsite if needed in an emergency to quickly construct temporary collectors, diversion channels, intercept drains, berm, dikes, or filters.

- Accommodate the surface runoff from all disturbed areas. Prepare drainage-ways that handle concentrated or increased runoff from disturbed areas by using riprap or other lining materials to control erosion.
- Trap sediment-laden runoff in basins to allow soil particles to settle out before flows are released to receiving waters.
- Reduce erosion by limiting the area and time of exposure, and by the provision of diversion channels.

5.1.18 ESTIMATED SETTLEMENT OF DEEP FILL

In general, deep fills are expected to settle with time due to their self-weight and changing moisture conditions. The magnitude of such settlement may range from 0.3 to 0.6 percent of the initial thickness of predominantly clayey material, depending on the specific material characteristics, proximity to fill slopes and actual compaction conditions. The proposed fill depths after all required remedial earthwork and compacted fill placement at the site may range from zero (0) at cut/fill daylight lines with the Pleistocene older alluvium to a maximum of about 15 to 20 feet under the northern 1/3 of the data hall building. In this respect, up to 0.5 to 1.5 inches of long-term surface settlement may be anticipated. This estimated maximum fill settlement would likely occur in areas above the lower natural drainages traversing the project site.

Differential settlement due to this mechanism will vary across the site but should be greatest where the fill thickness gradient is the greatest. Differential settlement should not exceed about ½ to 1 inch over a horizontal distance of 40 feet. If this anticipated differential settlement is not acceptable, additional ground improvement measures can be implemented (see Section 5.3.5). Alternatively, placement of proposed fills at a higher compaction effort (e.g., >95% relative compaction) may reduce the post-construction settlement by 50 percent.

In general, long-term fill settlements would likely manifest in the form of a gentle tilt across the affected area. Such an occurrence should not adversely affect properly designed and constructed structures where the placed fill thickness does not vary greatly. However, due to the steep side walls of the existing central drainage at the site, settlement of fill soils below the northwest corner of east building and the central portion of the northern building could be significant and not tolerable. If so, the remedial earth work such as lime stabilization may be considered (Section 5.1.7).

5.1.19 PLANS AND SPECIFICATIONS

Grading and foundation plans should be reviewed by WSP prior to plan finalization for conformance to the recommendations presented herein and the grading ordinance of the City of Pittsburg. Prior to the start of the grading operations, a pre-construction conference should be held with representatives of owner, developer, Contractor, Civil Engineer, and WSP to discuss specific earthwork issues.

All work should be performed in accordance with the latest approved editions of the Standard Specifications for Public Works Construction (SSPWC), Part 2 (Construction Materials) and Part 3 (Construction Methods) and the California Building Code (CBC) Appendix J. All reference to maximum dry density is established in accordance with American Society for Testing and Materials (ASTM) D 1557.

The interpolated subsurface conditions should be evaluated in the field during construction. WSP should be notified when unusual subsurface condition is encountered in the field during construction.

5.1.20 CONSTRUCTION OBSERVATIONS

Continuous observation of clearing/grubbing, earthwork/grading, foundation excavation/preparation, retaining wall construction and wall/trench backfilling operations should be performed under the direction and supervision of a certified engineering geologist or geotechnical engineer. Such observations are considered essential to identify field conditions that differ from those anticipated, to adjust designs to actual field conditions and to determine that the grading is accomplished in general accordance with the recommendations of this report. Recommendations presented herein are contingent on a certified geotechnical testing agency performing such services. Onsite personnel should perform sufficient testing of compacted fill during grading to support a professional opinion as to compliance with earthwork recommendations.

5.2 RETAINING WALLS

Various types of retaining walls up to ten (10) feet high may be considered for the project depending on location and function. Retaining walls in areas backfilled with compacted soil may consist of conventional cast-in-place (CIP) cantilever walls, mechanically stabilized earth (MSE) walls, modular block walls, gravity walls, gabion walls, and other proprietary wall systems. Retaining walls should be designed in accordance with local and state guidelines, standards, procedures, and specifications including those promulgated by Caltrans, AASHTO and FHWA.

5.2.1 ALLOWABLE BEARING PRESSURES

Cantilever retaining walls may be supported on shallow continuous footings founded entirely on either undisturbed competent in-place Pleistocene Older Alluvium soils or properly compacted fill. Retaining wall foundations should have a minimum width determined based on the structural and stability analyses performed by the wall designer. Retaining wall foundations should be embedded at least two feet below the lowest adjacent grade or to the depth necessary to provide adequate factors of safety against sliding and overturning as determined by the retaining wall designer, whichever is greater.

Shallow foundations founded on properly compacted clayey fill soils and undisturbed formational soils may be designed using a maximum allowable bearing pressure of 2,000 psf and 3,000 psf, respectively. These values can be increased by 1/3 for short term loads such as those due to wind and seismic forces.

All footing excavations should be observed prior to placing reinforcing steel or concrete to verify proper subgrade conditions. Total settlements may be on the order of 1 inch or less. Differential settlements are expected to be less than ½ inch within 20 feet.

5.2.2 LATERAL EARTH PRESSURES

For retaining wall design, select granular, free draining backfill material may be assumed to have a unit weight of 120 pcf and internal friction angle of 34 degrees. At-rest earth pressures should be used in the design of restrained (non-yielding) walls where the top of the wall is not expected to move laterally more than 0.001H (where H is the unbalanced wall height). Examples of restrained walls are generally walls for subterranean building levels, buried vaults and loading docks. These values assume a triangular distribution; backfill with select granular (sandy), non-expansive soil; and that the backfill is well drained. Active earth pressures for level and 2H:1V backfill conditions may be assumed to be 35 and 50 pcf, respectively. At-rest earth pressures for level and 2H:1V backfill conditions may be assumed to be 55 and 85 pcf, respectively.

Further, thirty percent of any uniform area surcharge placed at the top of the wall may be assumed to act as a uniform horizontal pressure over the entire wall for unrestrained retaining walls. This value should be increased to 50 percent for restrained retaining walls. In addition to the recommended earth pressures, walls adjacent to vehicular traffic should be designed to resist a uniform lateral earth pressure of 120 psf acting as a result of normal mixed traffic loads behind the wall. The above lateral earth pressures assume no hydrostatic pressures. All walls should be provided with an adequate internal drainage system to reduce the likelihood of hydrostatic pressures built up behind the wall.

Resistance to lateral loads may be provided by frictional resistance between the bottom of concrete foundations and the underlying soil, and by passive soil pressure against the sides of the foundations. An ultimate coefficient of friction of 0.35 may be used between cast-in-place concrete foundations and the underlying soil. Allowable passive pressure in engineered fill, assuming a level ground condition in front of the wall, may be taken as equivalent to the pressure exerted by a fluid weighing 300 pcf. Passive pressure and base friction can be combined without reduction to resist lateral loads.

Retaining walls should be designed to resist earthquake loading utilizing the following recommendations for design. Based on ½PGA of nearly 0.4g, the resultant seismic force (in pounds) for each linear foot of wall can be estimated as 20H² where H is the height of the wall (in feet) above its base. The resultant seismic force acts at 0.4H above the wall base. For restrained walls, this force should be added to the active earth pressure rather than at rest pressure.

5.2.3 RETAINING WALL BACKFILL

Retaining wall backfill materials should be free draining and provisions should be made to collect and remove excess water that may accumulate behind earth retaining structures. Wall drainage may be provided by free-draining gravel surrounded by non-woven synthetic filter fabric or by prefabricated, synthetic drain panels. In either case, drainage should be collected by perforated pipes at the base of the wall and directed to a sump, storm drain, weep hole(s), or other suitable location for disposal. The actual drainage location should be shown on the as-built plans.

The drainage should not be permitted to discharge over soil in a manner that would cause erosion. If utilized, we recommend that drainage gravel consist of durable stone having 100 percent passing the 1-inch sieve and zero percent passing the No. 4 sieve. Synthetic filter fabric should have an equivalent opening size (EOS), U.S. Standard Sieve, of between 40 and 70, a permeability of at least 0.02 centimeters per second, a minimum flow rate of 50 gallons per minute per square foot of fabric, and a minimum puncture strength of 50 pounds. The geotextile manufacturer's recommendations should be followed for installation of a drainage fabric system.

All backfill should be placed and compacted in accordance with recommendations provided for engineered fill. During grading and backfilling adjacent to any walls, heavy equipment should not be allowed to operate within a lateral distance of 5 feet from the wall, or within a lateral distance equal to the wall height, whichever is greater, to avoid overstressing of the wall. Within this zone, only hand operated equipment ("whackers", vibratory plates, or pneumatic compactors) should be used.

5.2.4 MECHANICALLY STABILIZED EARTH WALLS

Mechanically Stabilized Earth (MSE) retaining walls may be considered for the project. Typical MSE retaining walls consist of steel or geogrids internal reinforcing attached to precast, segmental blocks, panels or geocells. The walls are infilled with granular soil while retaining the backfill soil. Reinforcement placed in horizontal layers throughout the height of the wall provides the tensile strength to hold the soil together. The reinforced soil mass, along with the facing, forms the wall. The main

advantages of MSE walls compared to conventional reinforced concrete walls are their ease of installation and quick construction. They do not require formwork or curing and each layer is structurally sound as it is laid, reducing the need for support, scaffolding or cranes.

In general, MSE retaining walls have three zones which include the reinforced, retained and foundations zones. The wall should be supported by properly compacted fill soil or undisturbed formational soils. Properly compacted select granular fill soil should be used in the reinforced zone. The cohesionless reinforced zone may be designed assuming a unit weight of 120 pcf and friction angle of 34 degrees.

We recommend that internal reinforcement for all MSE retaining walls be at least 70 percent of the wall height even though minimum length calculations may be computed to be less. This recommendation is provided to limit overall deformation during construction and the effect of "first-time wetting". The minimum embedment below lowest adjacent grade should be 12 inches of 10 percent of the wall height, whichever is greater. We recommend that the foundation leveling material consist of ¾-inch crushed rock and be at least 6 inches thick. The leveling rock may be tamped in place to ensure tight interlocking.

All MSE retaining walls should be designed with redundant measures of internal and external drainage control. Surface drainage control should be provided by the use of tightly compacted ground surface and incorporation of a brow ditch along the top of the wall. Internal drainage should consist of crushed stone which extends at least 1 foot behind the back edge of the wall facing unit. A non-woven filter fabric (i.e., Mirafi 140N of equivalent) should be provide between the crushed stone and the select soil of the reinforced zone. A perforated drainpipe should be provided behind the lowest level of the MSE retaining wall and directed to drain to an appropriate outlet.

5.3 SHALLOW FOUNDATIONS

It is anticipated that conventional shallow spread and continuous foundations may be used for the project structures if supported on dense native soils or properly compacted fill. The Geotechnical Design Report should specify minimum dimensions for shallow foundations, maximum allowable soil bearing pressure, sliding/passive lateral resistance and estimated total/differential settlements. Shallow foundation dimensions and reinforcement should be determined by the Structural Engineer. It may be prudent to interconnect the shallow footings with grade beams in order to further control potential seismic settlement/deformations.

5.3.1 ALLOWABLE BEARING PRESSURE

Shallow spread and continuous foundations should be at least 24 inches wide and 24 inched below lowest adjacent grade. Shallow foundations founded on properly compacted fill soils or undisturbed Pleistocene Older Alluvium may be designed using a maximum allowable bearing pressure of 2,000 and 3,000 psf, respectively. These design values can be increased by one-third for short term loads such as those due to wind and seismic forces. Total settlements may be on the order of ½ inch and 1 inch, respectively. The allowable bearing pressure may be increased if ground improvement is performed.

5.3.2 LATERAL RESISTANCE

Resistance to horizontal loadings can be developed by passive earth pressure on the sides of footings and frictional resistance developed along the footing bottoms. Passive resistance may be calculated using an equivalent fluid unit weight of 300 pcf for shallow footings. A bottom friction coefficient of 0.35 may be used. The passive pressure and frictional resistance can be combined to resist lateral loads if the passive pressure is reduced by 50 percent.

5.3.3 POTENTIAL SETTLEMENT

Footings may experience a reduction in bearing capacity, or an increased potential to settle, when located in close proximity to existing or future utility trenches. Furthermore, stresses imposed by the footings on the utility lines may cause cracking, collapse, and/or loss of serviceability. To reduce the risk, utility excavations should not extend below a 2H:1V plane projected downward from 1 foot above the bottom of the outside edge of the footing. Also, no parallel utility excavations should be made within a lateral distance of 2 feet outside the footing.

5.3.4 EXCAVATION OBVSERVATIONS

Prior to placing reinforcing steel or concrete, footing excavations should be clear of all debris, loose or yielding soil, and free-standing water. All footing excavations should be observed by the project Geotechnical Engineer or a soil technician under the direction of a geotechnical engineer prior to placement of reinforcing steel and concrete to check that the recommendations contained herein and specification are in compliance during construction.

5.3.5 GROUND IMPROVEMENT

As an alternative to deep foundations, shallow spread and continuous foundations for the data hall building may be possible if specialty ground improvement, such as aggregate piers, is performed in selectively identified areas. Ground improvement is typically limited to depths of about 30 feet and is more adaptable to areas of variable fill depth compared to CIDH piles that require fabricated rebar cages. In addition, shallow foundation size can be significantly reduced due to larger allowable bearing capacity. The aggregate piers could reduce the potential settlement of the existing deep undocumented fill soils, provide more uniform and predictable subsurface conditions, and provide an increased allowable bearing pressure for shallow foundations and reduced potential differential settlements. The use of aggregate piers would require the design and installation of a proprietary foundation system designed and installed by a specialty contractor. Providing consultation with aggregate pier specialty contractors, obtaining preliminary designs, and providing bidding documents for selecting a specialty contractor is beyond the current scope of services.

Fill soils below foundations may be improved using vibro aggregate piers through the compacted fill and tipping out in the Pleistocene Older Alluvium. The depth of the vibro aggregate piers could extent upwards of 15 to 20 feet in areas of the existing natural drainages that traverse the site. Vibro aggregate columns should be designed by the specialty contractor such as Keller North America (https://www.keller-na.com/expertise/techniques/vibro-aggregate-piers). The specialty contractor Geopier has a similar system high-energy installation system called rammed aggregate piers (https://www.geopier.com/solutions/rammed-aggregate-pier-systems).

Shallow foundations supported by improved ground may have an allowable bearing pressure 1.5 to 2.5 times greater than normal conventional compacted fill soils depending on the composition of the utilized proprietary system and placed density (i.e., improved bearing capacity is expected to be 3,000 to 5,000 psf, or higher). It is anticipated that each shallow foundation will be supported on at least 4 aggregate columns having a diameter of about 30 inches with a spacing-to-diameter ratio of at least 3.

5.4 DEEP FOUNDATIONS

Due to the relatively high axial load anticipated and variable thickness of existing fills across the site, it is recommended that the data hall building be supported on structural elements consisting of cast-in-place drilled holes (CIDH) foundations that fully penetrate fill soils and sufficiently extend into undisturbed Pleistocene Older Alluvium formational soils but tipping out above the groundwater table. CIDH foundations may derive their downward axial resistance from end bearing and side friction along the shaft. However, end bearing resistance may be limited or neglected depending on the chosen installation method and groundwater conditions. Uplift resistance is principally derived from side friction along the shaft. An exception to this is if a CIDH shaft is used that has a specially designed belled end. Lateral resistance for deep foundations may be derived from passive resistance generated from adjacent soils when loads are applied. Deep foundations may be designed as groups in order to improve both axial and lateral capacity. Deep foundation dimensions and reinforcement should be determined by the Structural Engineer.

CIDH foundations should have a minimum diameter of about 36 inches and a minimum penetration of 10 feet into the underlying formational material. CIDH foundations may be designed with a maximum allowable tip soil bearing pressure of 8,000 psf (dead plus live loads). They may be designed with an allowable shaft side friction of 2,000 psf (dead plus live loads) in Pleistocene Older Alluvium. Shaft side friction in cohesive fill soils should be limited to 500 psf. No side friction should be considered in the top 5 feet below finish floor. The downward capacity of CIDH foundations may be increased by up to one-third for loads that include wind and seismic forces. However, no additional increase should be allowed for uplift loading. Full length reinforcement should be provided for uplift loads. The weight of the CIDH foundations may be added to the uplift capacity. Estimate settlement should be less than 1 inch. The program SHAFT by Ensoft may be used for drilled pier analyses and design.

Belled CIDH foundations may also be used. Bell diameters should be no larger than 3 times the shaft diameter. No reinforcement is required in the flared portion of the belled CIDH foundation. For belled CIDH foundations, the surface generating the uplift resistance may be assumed to have a diameter equal to the bell diameter or the by the annular soil bearing against the bell in the upward direction. For the latter case, available uplift resistance of the annular portion of the CIDH bell may be taken as 4,000 psf. The allowable uplift resistance should be governed by the lesser of either the 1) upward annular bearing resistance plus concrete/soil friction plus foundation weight or 2) soil/soil friction of a cylinder projected upward from the outer edge of the bell plus soils weight plus pier weight. Further evaluation of design parameters may be possible based on the results of load testing of individual shafts.

The analyses of CIDH foundations for lateral conditions is highly dependent on the shaft dimensions, structural restraints, loading combinations, subsurface soil conditions and tolerable stresses/deformations. Typically, it is desired to limit ground-line deformations to less than ¼ inch. We recommend that lateral load analyses and design of CIDH foundations be performed by utilizing the P-Y resistance methodology and the geotechnical strength parameters presented in Table 5.1. A computer program such as LPILE by Ensoft may be used for analyses and design. WSP can assist the project Structural Engineer with the analyses and design of the CIDH foundations upon request.

Table 5.1 Geotechnical Strength Parameters

MATERIAL	UNIT WEIGHT (PSF)	COHESION (PSF)	FRICTION ANGLE (DEGREES)	UNDRAINED SHEAR STRENGTH (PSF)	SUBGRADE REACTION MODULUS (PCI)	STRAIN AT 50% FAILURE
Fill (granular)	120	0	34	NA	100	NA
Fill (cohesive)	120	NA	NA	1,000	NA	0.007
Fill (lime treated)	120	NA	NA	2,000	NA	0.006
Older Alluvium (0' to 15' below O.G.)	115	NA	NA	3,000	NA	0.005
Older Alluvium (> 15' below O.G.)	120	NA	NA	4,000	NA	0.004

In addition, the allowable bending moment resistance of CIDH foundations may also govern in the selection of allowable loads. In most cases, a closely spaced cluster of shafts has a total axial and lateral capacity that is less than the sum of the capacity of individual shafts in a group. We recommend that CIDH shafts be designed with a center-to-center spacing of no closer than 3 times the shaft diameter. Group efficiencies for CIDH shafts are presented in Table 5.2.

Table 5.2 CIDH Group Efficiencies

CENTER-TO-CENTER SPACING (B = SHAFT DIAMETER)	AXIAL GROUP EFFICIENCY	LATERAL GROUOP EFFICIENCY (INLINE W/ GROUP)	LATERAL GROUP EFFICIENECY (PERPENDICULAR TO GROUP)
3B	0.07	0.80	1.00
4B	0.75	0.84	1.00
5B	0.85	0.88	1.00
6B	0.90	0.92	1.00
7B	0.95	0.96	1.00
8B	1.00	1.00	1.00

We recommend that an engineer from our firm observe the CIDH excavations and check the embedment into the formational material and bottom cleanliness prior to the placement of steel and concrete. The end bearing surfaces of the CIDH foundations are designed for high contact pressures. The bottom of the excavation should be cleaned of all loose or softened materials, debris or other substances which may cause settlement or affect the concrete strength. In our opinion, there should be no more than ½ inch of loose material at the bottom of the excavation.

Concrete should be placed in a manner that precludes segregation of particles or other occurrence that may decrease the strength of concrete. Free-fall concrete may be used provided it is directed through a hopper, or equivalent, such that the fall is vertical down the center of the drilled hole without hitting the sides of reinforcing. The maximum allowable free fall of concrete should not exceed 20 feet. The reinforcement cage must be able to withstand the forces of fresh concrete and not be allowed to twist of deform during placement of the concrete or extraction of casing (if used). Caving soils should not be allowed to mix with the fresh concrete. It is recommended that a tremie pipe be used during concrete placement. The bottom of the tremie pipe should be located below the top of surface of the concrete during placement. The concrete should be vibrated to allow for consolidation while it is being placed. The drilling, cleaning, observation, and concrete placement should be carried out as quickly as practical.

5.5 OPTIONAL SITE-SPECIFIC SEISMIC HAZARD STUDIES

Seismic demands are generally determined using design spectral acceleration parameters derived from ASCE 7-22 Chapter 11 for seismic design criteria. Preliminary seismic design parameters are presented in Table 4.2, however, site-specific seismic hazard studies are permitted for the design of any structure and are required in certain conditions. The objective of a site-specific ground motion hazard evaluation is to determine ground motions for localized conditions with a higher degree of confidence than is possible by using the generalized procedure presented within Chapter 11 of ASCE 7-22. These seismic hazard studies will reduce inherent conservatisms implemented within the code-based seismic design and may provide seismic load reductions for the project site.

Site-specific procedures for computing seismic hazard levels and associated earthquake ground motions include site response analysis (SRA) and a probabilistic and deterministic seismic hazard analysis (PSHA and DSHA, respectively). A seismic hazard analysis may consist of one of the following approaches:

- Seismic Hazard Analysis (PSHA and DSHA) for site-specific conditions (Site Class D soils).
- Seismic Hazard Analysis (PSHA and DSHA) for seismic engineering bedrock (~100 ft bgs), followed by Site Response Analysis (SRA) to obtain site-specific design parameters at the ground surface.

SRA is not required by code for Site Class D sites but is always permitted. The first approach is recommended for stiff soil conditions (not softer than Site Class D). In this case, the site-specific response spectrum is computed directly within the upper 100 ft, taken as the lesser of the PSHA and DHSA response spectra for the applicable Site Class. This site-specific spectrum provides the required information to develop seismic design parameters to be used in place of the values provided in Table 4.2.

The second approach is similar to the first method, but the PSHA and DSHA are performed at seismic engineering bedrock. Acceleration time histories are developed to match the target bedrock response spectrum, and these ground motions are propagated to the ground surface through the site response analysis (typically using a one-dimensional soil column model with nonlinear total-stress analysis).

There are advantages and disadvantages to each method. If bedrock is at a depth much greater than the extents of the site investigations (such as the case in this project) the direct approach of computing the ground surface response spectra with PSHA/DSHA may be more reasonable (with or without acceleration time histories developed). If acceleration time histories are needed, the base ground motions are usually obtained by searching available recorded ground motions which are representative of the local seismotectonic setting (i.e., faulting mechanism, expected maximum moment magnitude, source-to-site rupture distance, etc.) and project-specific site classification. Selected ground motions are then amplitude scaled and/or spectrally matched to the target spectrum.

In summary, a site-specific seismic hazard study may be considered for this project site, though it is not required by the governing design code. The methodologies and extents of the site-specific study may be determined jointly with the client but, in general, should include, as a minimum, PSHA and DSHA given the proximity to the numerous high-potential active faults in the project vicinity presented in Table 3.1. Site response analyses may be beneficial to develop site-specific acceleration time histories, if needed by the design team. It is of note that a site-specific seismic hazard analysis may reduce the code-based response spectrum (capped to no less than a 20% reduction from the code-based design parameters), but it may also increase the resulting response spectrum at certain spectral periods.

5.6 SLAB-ON-GRADE FLOORS

This section pertains to recommendations for concrete slab-on-grade floors for the data halls and diesel generator areas supported on engineered fill (i.e., undocumented fill soils have been completely or partially removed and replaced with properly placed and compacted engineered fill). We recommend that the upper 3 feet of soils below ground level floor slabs consist of properly compacted select fill soil. These soils should be compacted to a relative compaction of at least 95 percent per ASTM D1557. Subgrade soil supporting floor slabs should be prepared in accordance with the earthwork recommendations of this report. A subgrade reaction modulus of 100 pci may be used for design.

Floor slabs should be designed by the Structural Engineer. However, we recommend a minimum thickness of 5 inches and a minimum reinforcement of No. 3 rebar with 18-inch horizontal spacing in both directions. The reinforcement should be placed near the center of the concrete slab. An equivalent welded wire fabric (WWF) may be used in lieu of conventional reinforcement bars. The actual thickness, reinforcement and strength should be design by the Structural Engineer.

Special precautions should be taken during the placement and curing of all concrete slabs. Excessive slump (high water-cement ratio) of the concrete and/or improper curing procedures used during either hot or cold weather conditions could lead to excessive shrinkage, cracking, or curling of the slabs. High water-cement ratio and/or improper curing may also greatly increase the water vapor permeability of concrete. We recommend a maximum water-cement ratio of 0.45 for floor slab concrete. We recommend that all concrete placement, joint spacing, and curing operations be performed in accordance with the recommended guidelines of the American Concrete Institute (ACI).

The floor slab should be underlain by at least 4 inches of clean, coarse sand or fine gravel subbase to provide a capillary moisture break and uniform support to the slab. However, this layer maybe reduced or eliminated depending on the granular nature and preparation of the underlying subgrade below as determined on a case-by-case basis as determined jointly by the project Architect and Geotechnical Engineer. In order to minimize the likelihood of membrane punctures the subgrade must be compacted smooth and flat before installation to further eliminate the possibility of protrusion points.

Subsurface moisture and vapor naturally migrate upward through the soil. Where the soil is covered by a building or pavement, this subsurface moisture will collect and transmit through the concrete slab-ongrade. Traditional Visqueen® vapor barriers may be considered marginally effective and eventually disintegrate with time. To reduce the impact of this subsurface moisture and the potential impact of future introduced moisture (such as landscape irrigation or precipitation) and where in cases where the floor may have vapor/moisture sensitive coverings (e.g. tile, linoleum, carpet, wood), coatings, underlays, adhesives, moisture sensitive goods, humidity/climate controlled environment, or may likely have any of these conditions in the future, we recommend a polyolefin vapor barrier membrane be utilized between the prepared subgrade and the bottom of the slab-on-grade floor. The membrane should consist of a polyolefin sheeting at least 15 mil in thickness, have a water vapor permeance less than 0.01 perms (ASTM F 1249) as tested before and after mandatory conditioning (ASTM E 1745), a puncture resistance of at least 2200 grams (ASTM D 1709), and a tensile strength of at least 45 lbf/in (ASTM D 882). It shall not contain any recycled content or woven materials and comply with ASTM E 1745 Class A. Supporting documentation shall be provided by the vapor barrier manufacturer.

The material specified above should be highly resistant to tearing, cracking, flaking, or puncturing during construction and should not disintegrate with time. In accordance with recommendations in ACI guidelines and many flooring companies, placement of the concrete slab may be directly on the vapor barrier. This eliminates the potential for water to be trapped in the blotter layer that could later be transmitted through the slab and adversely affect the flooring system. However, a reduced joint spacing,

slab reinforcement, a low shrinkage mix design, and/or other measures to reduce the potential for slab curl should be implemented by the concrete slab designer.

We recommend that the vapor barrier be installed in accordance with ASTM E 1643, "Standard Practice for Installation of Water Vapor Retarders Used in Contact with Earth or Granular Fill Under Concrete Slabs". Some salient features of ASTM E 1643 are discussed below. All joints and seams should have a minimum 6-inch overlap and be taped. The area of tape adhesion should be free from dust, dirt, and moisture. All penetrations and perimeters must be sealed using a combination of membrane, tape, and mastic. The tape and mastic used should conform to the vapor barrier manufacturer's recommendations. Care should be taken at the lateral terminations so that vapors do not go around the membrane. This may be accomplished by placing the membrane on top of the footing and against the vertical wall so that the membrane will be sandwiched between the footing, vertical wall and poured concrete floor slab. If damaged, the membrane should be repaired prior to placing concrete.

It is emphasized that we are not floor moisture proofing experts. We make no warranty or guarantee, nor provide any assurance that the recommendation above will reduce concrete slab-on-grade floor moisture penetration to any specific rate or level. The designers should consider all available measures for slab moisture protection. Exterior grading and/or adjacent landscaping have an impact on the potential moisture beneath floor slabs. Exterior grading and/or adjacent landscaping should be designed to address the potential for increased moisture below moisture sensitive slabs.

5.7 EXTERIOR CONCRETE FLATWORK

Flatwork and exterior concrete should be supported on at least 12 inches of compacted, low to very low expansive engineered fill or undisturbed formational material. To mitigate the potential for localized point loads of cobble on concrete, we recommend a maximum particle size of 3 inches within the upper 12 inches. The concrete slabs for walkways and sidewalks should have a nominal thickness of 4 inches thick. Concrete slabs should be designed by the Structural Engineer but minimally should be reinforced with welded wire mesh placed at mid depth. To reduce the potential manifestation of distress due to movement of the underlying soil, we recommend that flatwork be constructed with crack-control joints at appropriate spacing.

Subgrade should be prepared in accordance with the earthwork recommendations presented earlier in this report but generally consist of scarifying the upper 6 inches, uniformly moisture conditioning to between optimum and 2 percent above optimum moisture content and compacting to at least 95 percent relative compaction as per ASTM D 1557. Loose or yielding subgrade identified during earthwork operations may require additional remedial measures. Positive drainage should be established and maintained adjacent to flatwork.

5.8 PAVEMENTS

Pavements for the project may consist of asphalt concrete (AC) and/or Portland Cement Concrete (PCC) over compacted aggregate base (AB) overlying recompacted subgrade. The pavement design will depend on an anticipated Traffic Index (TI) including standard HS-20 vehicular loads, required pavement life and natural properties of subgrade materials.

Grading for the project will result in some overexcavation and recompaction of existing materials as well as importation of other soils to be used as compacted fill. As such, it is difficult to predict what type of soil will be present in the various pavement subgrade areas. The results of R-value testing ranged from 5 to 13. For purposes of analysis and preliminary design of pavements, we used an assumed R-value of 10.

Different soils may be present in other portions of the site. We recommend that laboratory tests be performed during site grading to substantiate this value or to provide refined pavement sections.

Pavement sections have been evaluated for flexible pavement design. TI values have been provided to facilitate the preliminary design of trafficked areas of the proposed facility. The TI values of 4.5 and 6 were selected to represent traffic volumes for surface parking and driveway areas, respectively.

As an alternative to asphalt concrete pavement sections, rigid PCC pavement sections may be constructed. A minimum unconfined compressive strength of 2,500 psi is recommended. Rigid pavements are recommended in areas that will be subject to relatively high static wheel loads such as trash/delivery trucks loading dock and site entrance. Recommended pavement sections are presented in Table 5.3.

Table 5.3 Pavement Sections

AREA	TRAFFIC INDEX	ASPHALT CONCRETE OVER AGGREGATE BASE	PORTLAND CEMENT CONCRETE OVER AGGREGATE BASE
Light Vehicle Parking Areas	4.5	4" over 5"	NA
Site Driveways	6.0	4" over 10"	NA
Site Entrance and Loading Docks	NA	NA	8" over 6"

The AC and AB should conform to and be placed in accordance with current Caltrans Specifications or Standard Specifications for Public Works Construction (SSPWC). The AB and the upper 12 inches of subgrade should be compacted to a minimum of 95 percent relative compaction as obtained by the ASTM D 1557 test procedure.

We recommend that concrete pavements be provided with expansion joints at regular intervals. Expansion joints and construction control joints (if required) are recommended at regular intervals and should be provided with load transfer devices, such as keys of dowels.

The electrical substation wearing surface surrounding equipment may consist of clean crushed rock or decomposed granite following local standards for substations. Gravel access roads should have at least 4 to 6 inches of crushed aggregate base overlying prepared subgrade.

6 LIMITATIONS

This Geotechnical Due Diligence Report has been prepared for the exclusive use of our client and their consultants for the evaluation of the subject project site. The findings, conclusions, discussions, and recommendations presented in this report are for project design.

The scope of services was limited to those described herein. It should be recognized that definition and evaluation of subsurface conditions are difficult. Judgments leading to conclusions and recommendations are generally made with incomplete knowledge of the subsurface conditions present due to the limitations of data from field studies. Additional field explorations, laboratory testing, and engineering analyses are required for the project.

WSP offers various levels of investigative and engineering services to suit the varying needs of different clients. Although risk can never be eliminated, more detailed and extensive studies yield more information, which may help understand and manage the level of risk. Since detailed study and analysis involves greater expense, our clients participate in determining levels of service, which provide information for their purposes at acceptable levels of risk. The client and key members of the design team should discuss the issues addressed in this report with WSP, so that the issues are understood and applied in a manner consistent with the owner's budget, tolerance of risk and expectations for future performance and maintenance.

Recommendations contained in this report are based on very limited field observations and subsurface explorations, laboratory tests, and our professional judgement. It is possible that soil or groundwater conditions could vary between or beyond the points explored. Our geotechnical scope of services did not include environmental assessments or evaluations regarding the presence or absence of wetlands or hazardous substances in the soil, surface water, or groundwater at this site.

This report may be used only by the client and only for the purposes stated, within a reasonable time from its issuance, but no later than one year from the date of the report. Land use, site conditions (both on site and off site) or other factors may change over time.

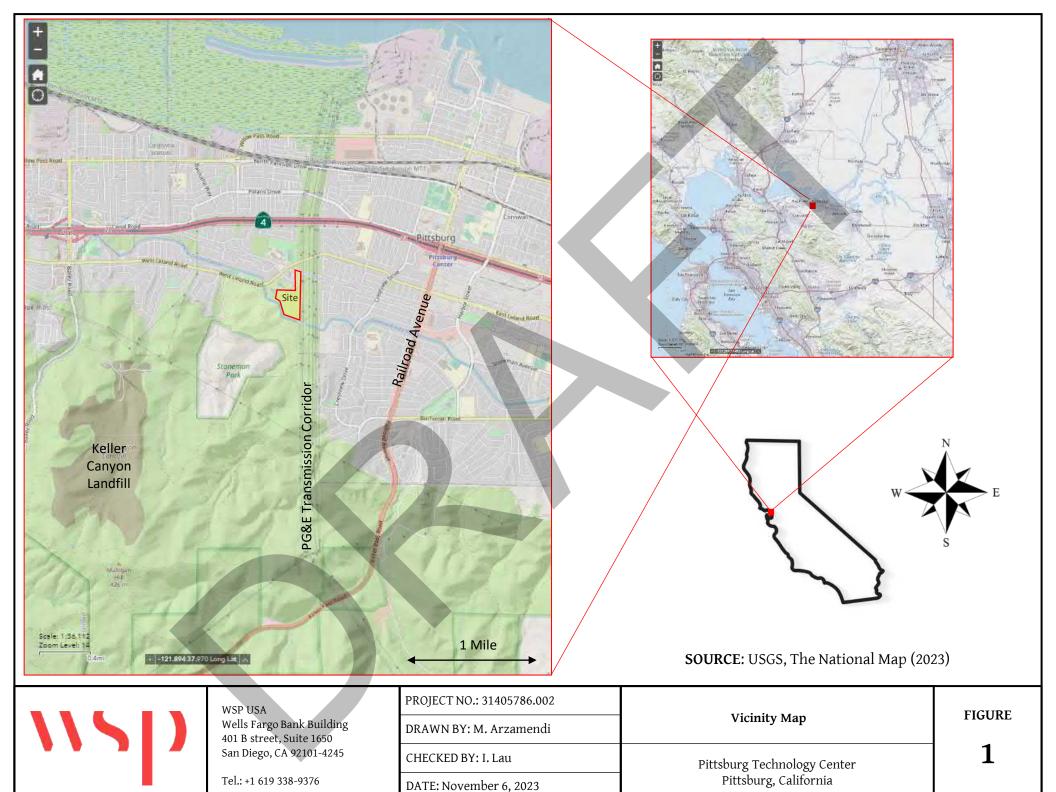
Any party, other than the client who wishes to use this report shall notify WSP of such intended use. Based on the intended use of this report and the nature of the new project, WSP may require that additional work be performed and that an updated report be issued. Non-compliance with any of these requirements by the client or anyone else will release WSP from any liability resulting from the use of this report by any unauthorized party and the client agrees to defend, indemnify, and hold harmless WSP from any claims or liability associated with such unauthorized use or non-compliance.

7 REFERENCES

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PHASE 1 ESTIMATED EARTHWORK QUANTITIES

56,400 CY

ILL: 88,100 CY

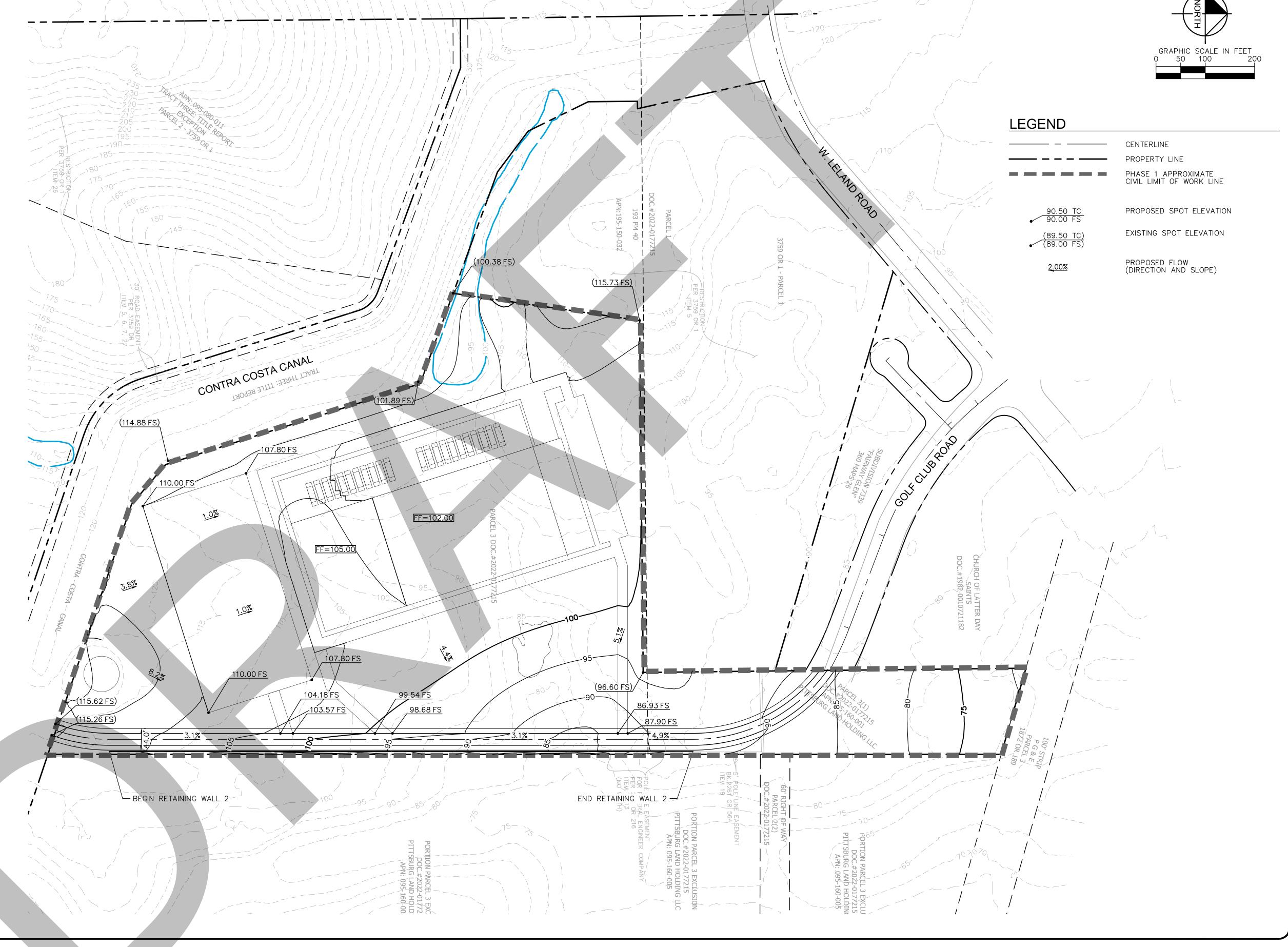
IET: 31,700 (IMPORT)

NOTE: THE ABOVE QUANTITIES ARE APPROXIMATE IN PLACE VOLUMES CALCULATED FROM THE EXISTING GROUND TO THE PROPOSED FINISHED GRADE. EXISTING GROUND IS DEFINED BY THE CONTOURS AND SPOT GRADES ON THE BASE SURVEY. PROPOSED FINISHED GRADE IS DEFINED AS THE FINAL GRADE AS INDICATED ON THE GRADING PLAN(S).

THE EARTHWORK QUANTITIES ABOVE ARE FOR PERMIT PURPOSES ONLY. THEY HAVE NOT BEEN FACTORED TO ACCOUNT FOR CHANGES IN VOLUME DUE TO BULKING, CLEARING AND GRUBBING, SHRINKAGE, OVER— EXCAVATION AND RE—COMPACTION, AND CONSTRUCTION METHODS. NOR DO THEY ACCOUNT FOR THE THICKNESS OF PAVEMENT SECTIONS, FOOTINGS, SLABS, REUSE OF PULVERIZED MATERIALS THAT WILL UNDERLIE NEW PAVEMENTS, ETC. THE CONTRACTOR SHALL RELY ON THEIR OWN EARTHWORK ESTIMATES FOR BIDDING PURPOSES.

DESIGN CONSIDERATIONS

- 1. BUILDING FINISHED FLOOR GENERAL ASSUMPTIONS
 1.1. BUILDING FF=105.00 FOR 30% OF BUILDING.
 1.2. BUILDING FF=102.00 FOR 70% OF BUILDING.
- 2. SUBSTATION PAD SLOPED AT APPROXIMATELY 1.0%.





PHONE: (714) 939-1030 | www.kimley-horn.com

PHASE 1 GRADING EXHIBIT

PITTSBURG MASTER PLAN

PROJECT:

PITTSBURG, CA

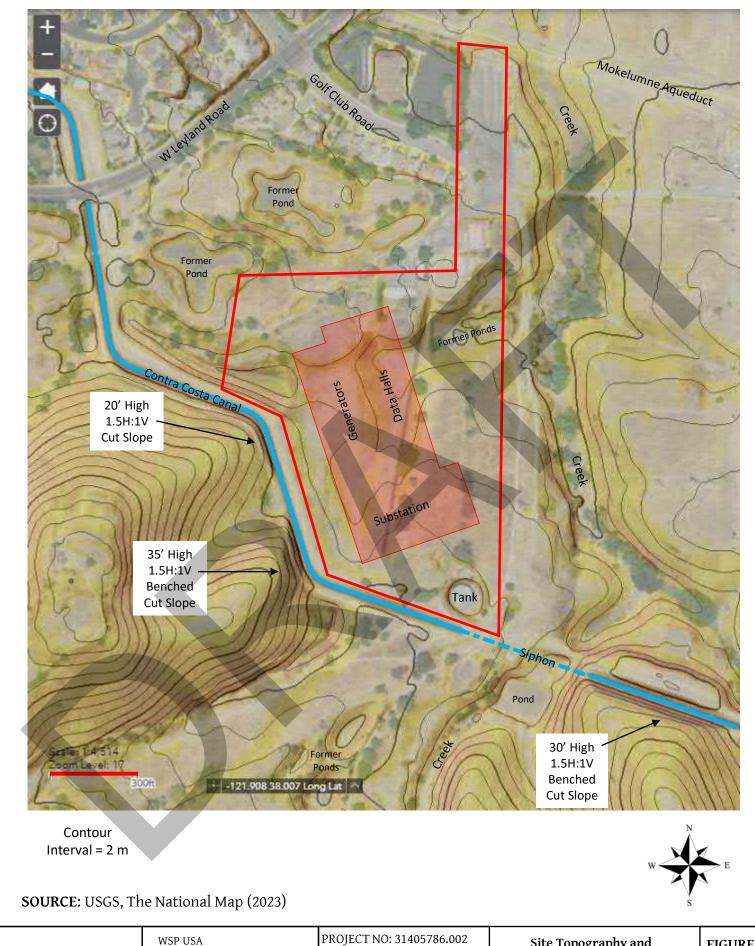
LOCATION:

JOB NUMBER: 094755003

SCALE: 1" = 150'

DATE: 10/11/2023

SHEET: 1 OF 1





Wells Fargo Bank Building 401 B street, Suite 1650 San Diego, CA 92101-4245

Tel.: +1 619 338-9376

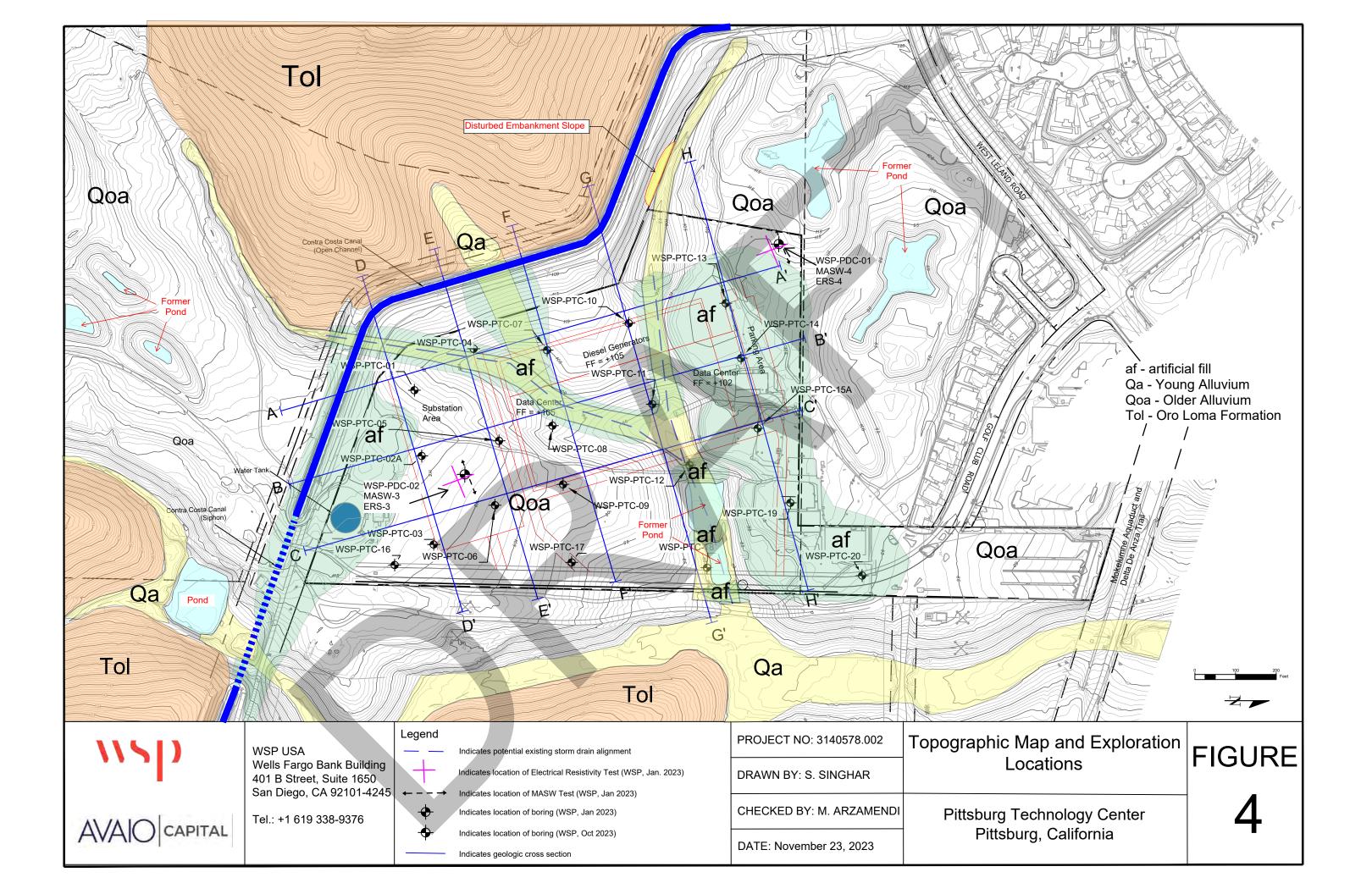
	110,2011101,31103,001002
	DRAWN BY: M. Arzamendi
ı	CHECKED BY: I. Lau
	DATE: November 6, 2023

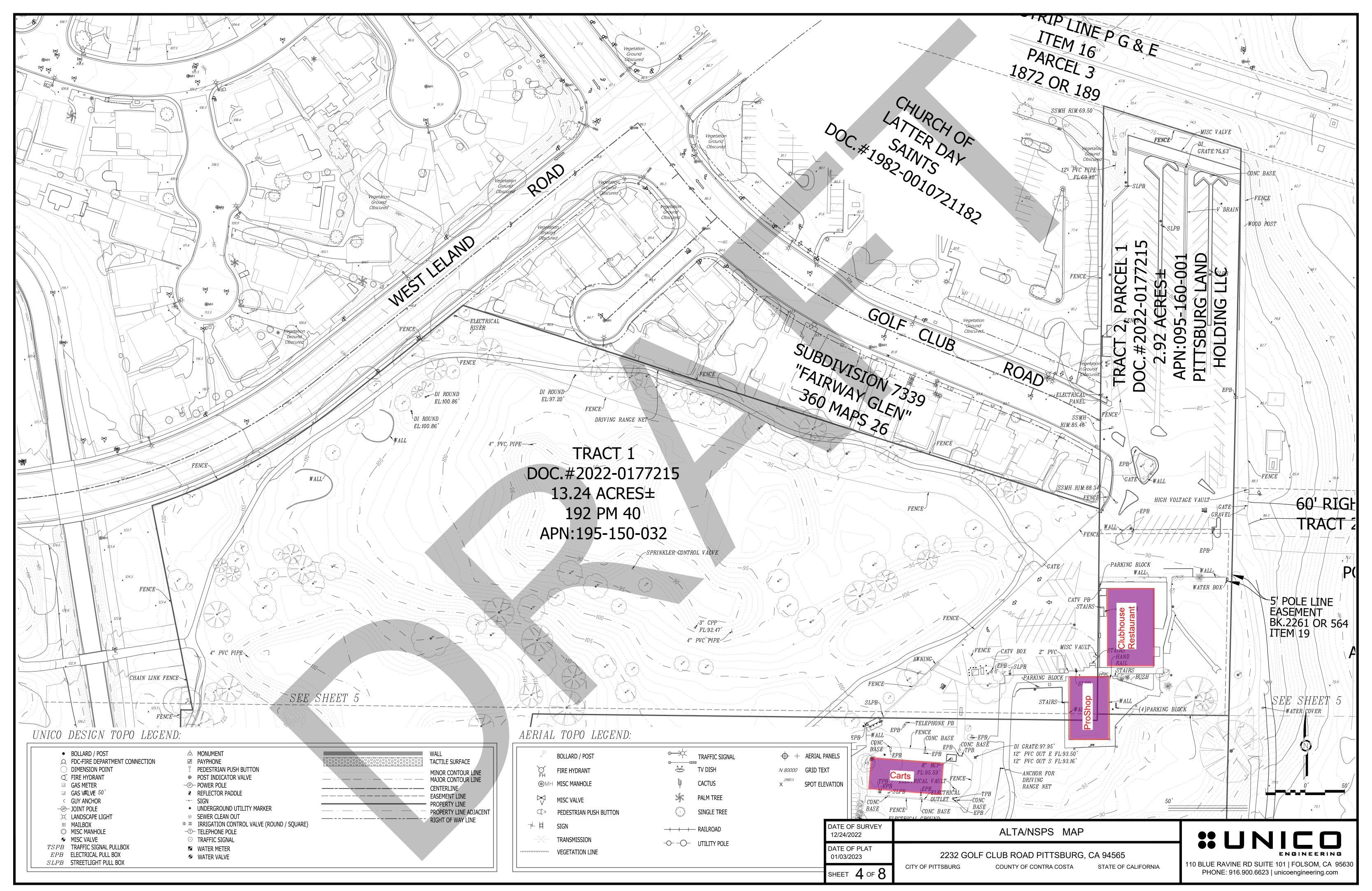
Site Topography and **Aerial Photograph**

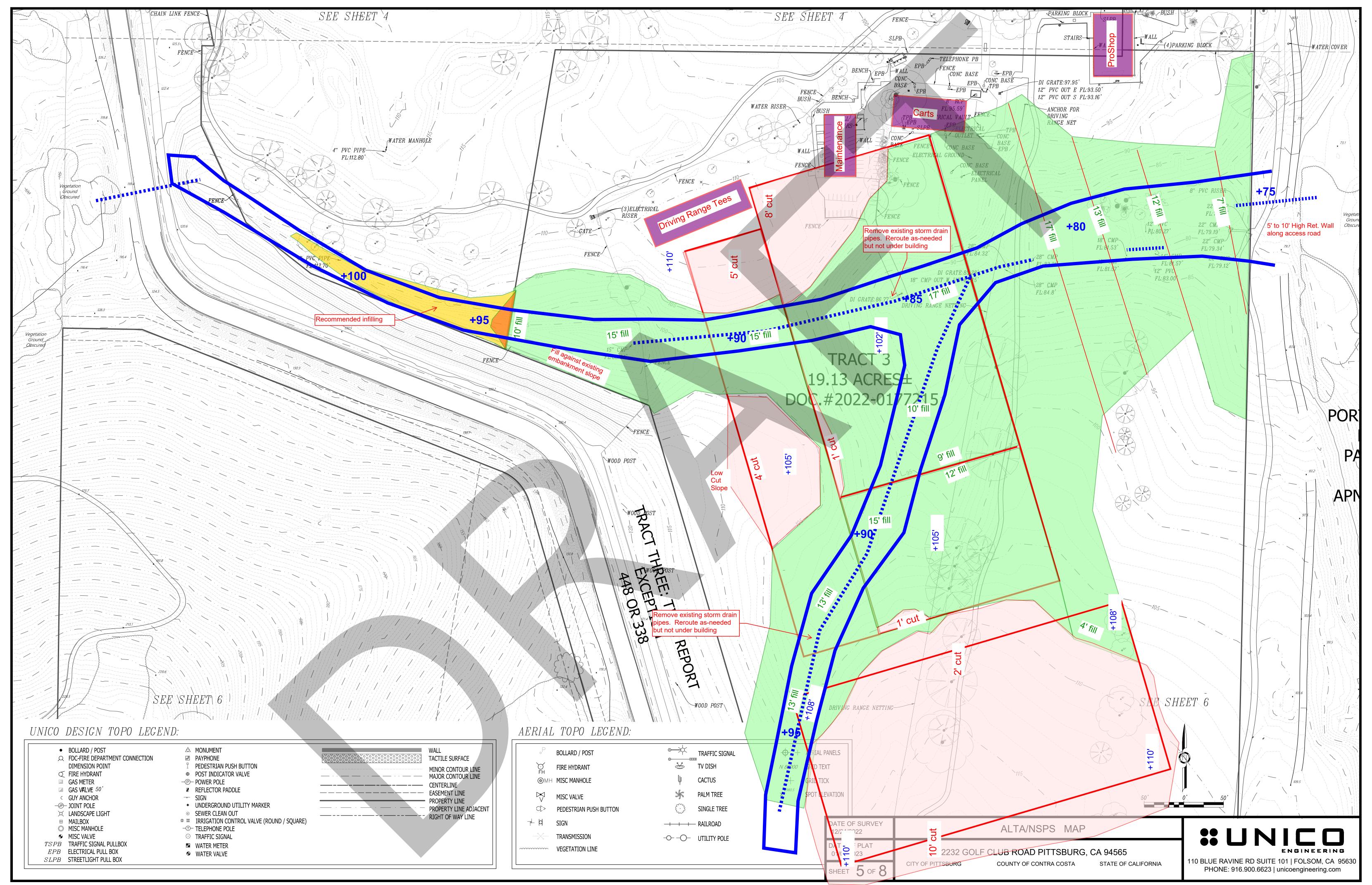
Pittsburg Technology Center Pittsburg, California

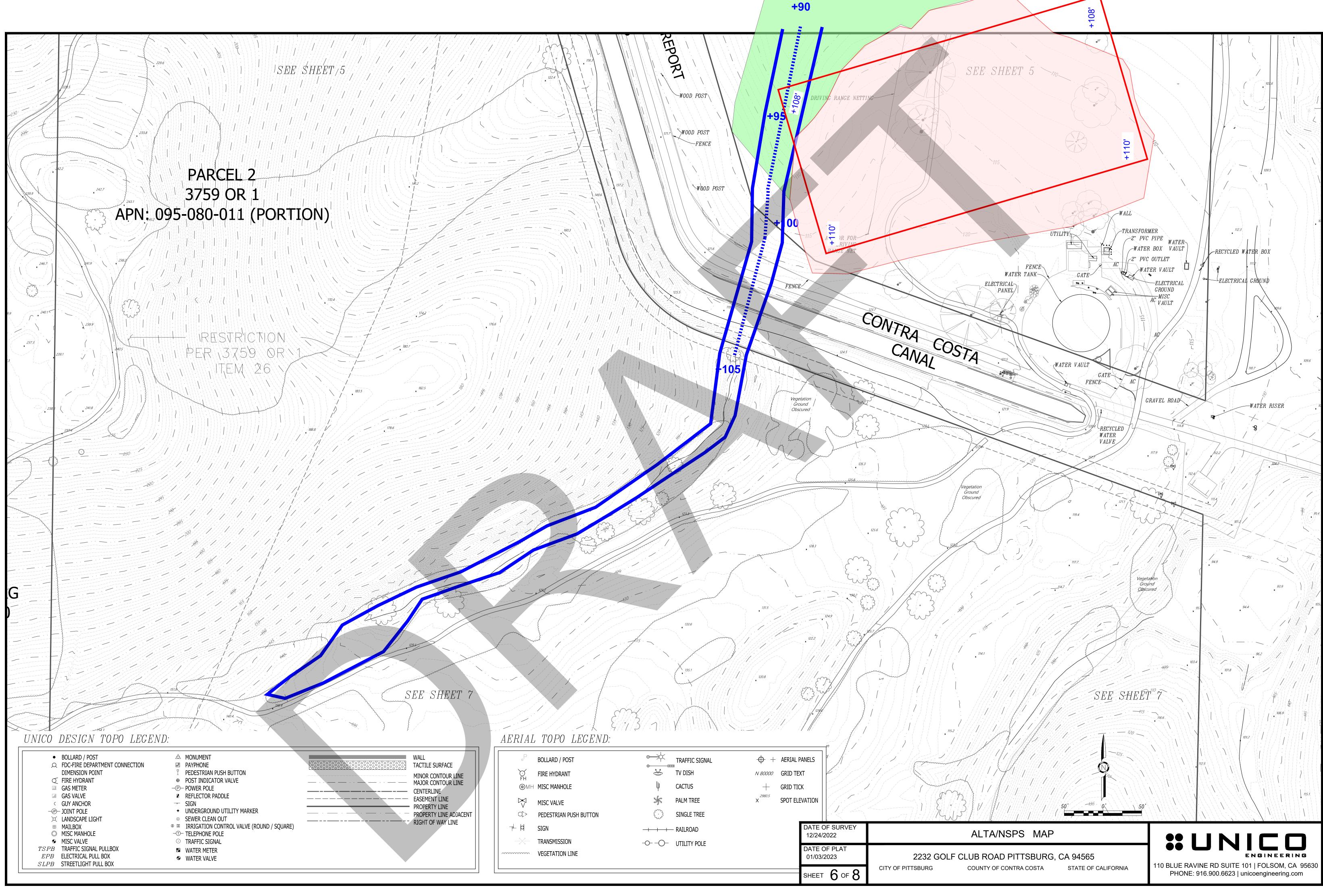
FIGURE

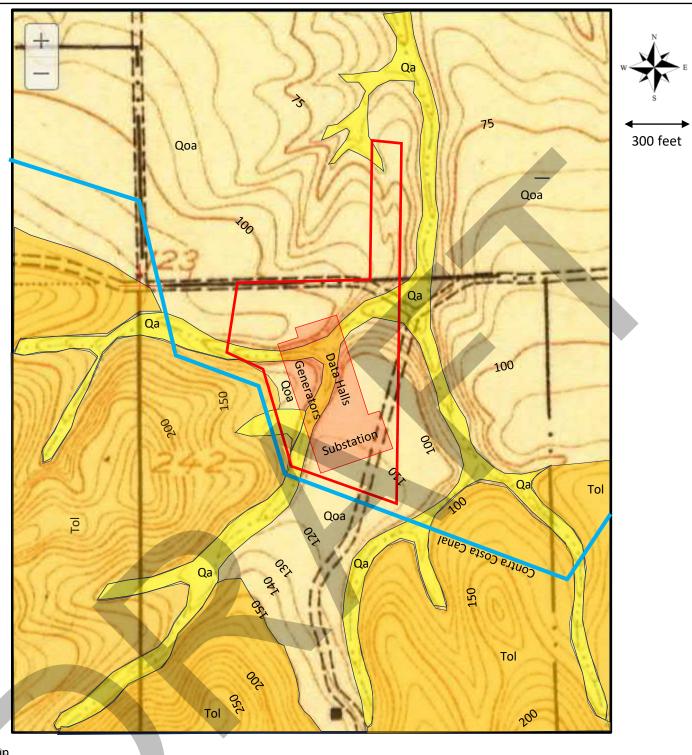
3











Base Map

CALIFORNIA

HONKER BAY QUADRANGLE

Contour interval 5 and 10 feet changing on the 100 foot contour.

Datum is mean sea level.

R.B.Marshall.Geographer in charge.
Topography by J.P.Harrison, P.E.Jurner,
E.R.Bartlett, and Fred G.Austin.
Control by C.F.Urquhart and J.A.Vogelson.
Surveyed in 1906-1907.

SURVEYED IN COOPERATION WITH THE STATE OF CALIFORNIA.



Qa

Alluvium



Features

Data Halls, Generators and Substation

Qoa

Older Alluvium

Contra Costa Canal (Built 1937-1942)

Tol

Oro Loma Formation

SOURCE: USGS Historical Topographic Map Explorer (2023)



WSP USA Wells Fargo Bank Building 401 B street, Suite 1650 San Diego, CA 92101-4245

Tel.: +1 619 338-9376

PROJECT NO: 31405786.002			
PROJECT NO: 31405786.002 DRAWN BY: M. Arzamendi			

DATE: November 6, 2023

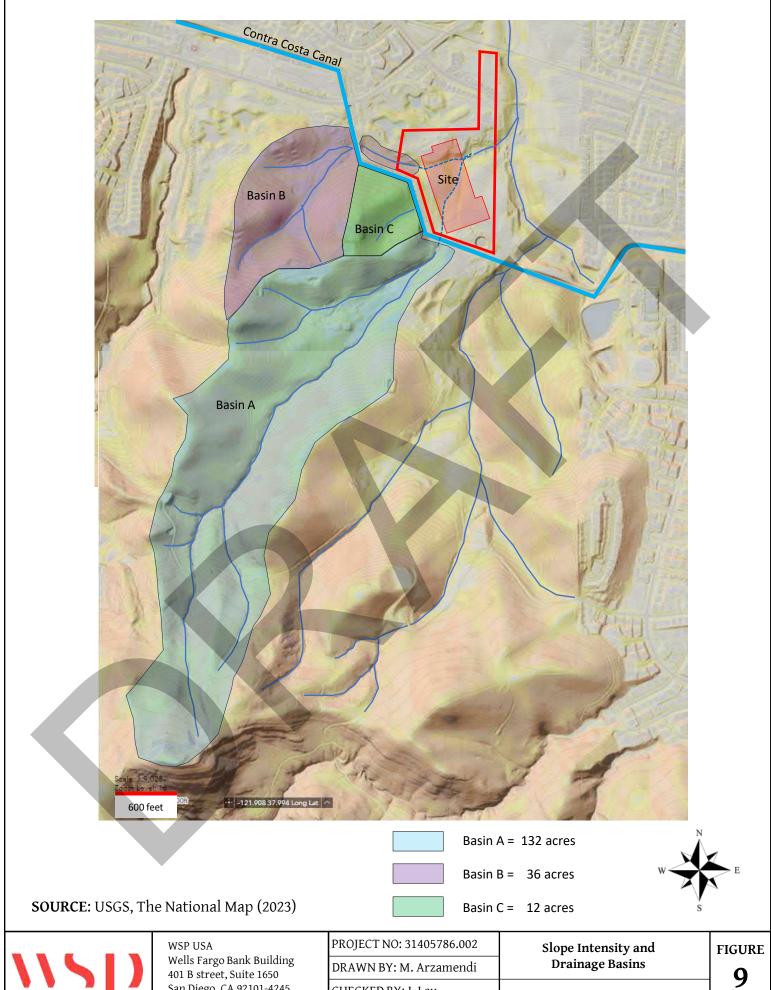
CHECKED BY: I. Lau

1906 Topography and Site Geology

Pittsburg Technology Center Pittsburg, California

FIGURE

8



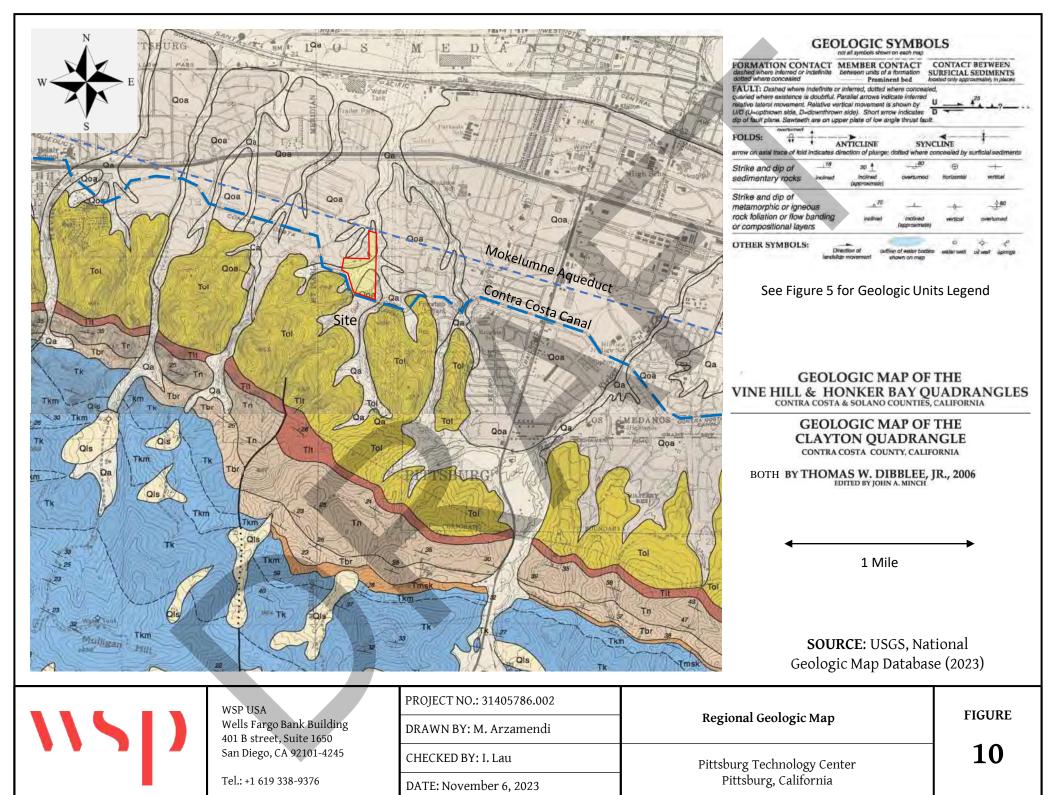


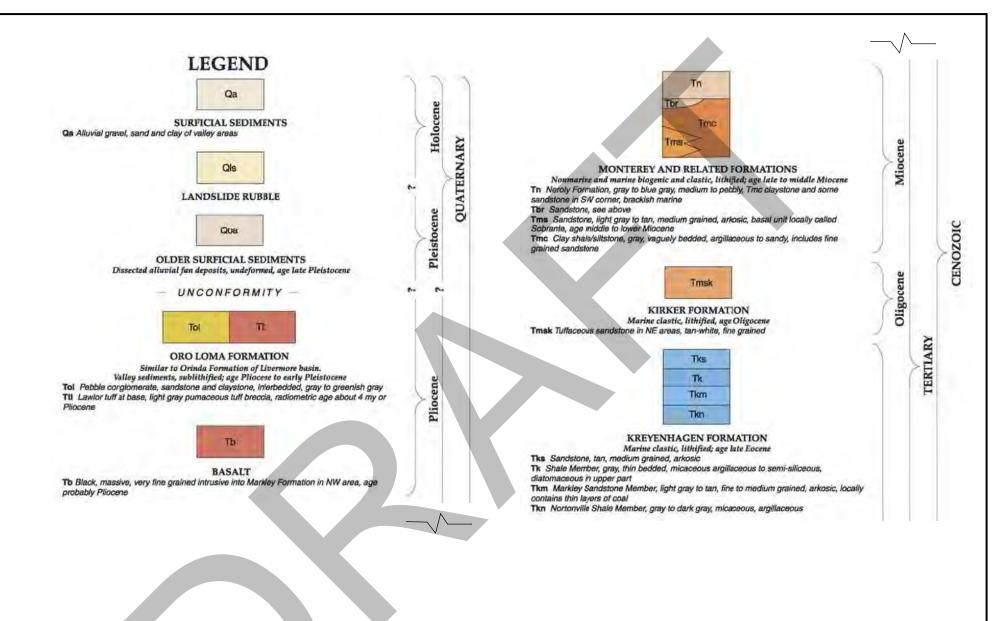
San Diego, CA 92101-4245

Tel.: +1 619 338-9376

CHECKED BY: I. Lau DATE: November 6, 2023

Pittsburg Technology Center Pittsburg, California





SOURCE: USGS, National Geologic Map Database (2023)



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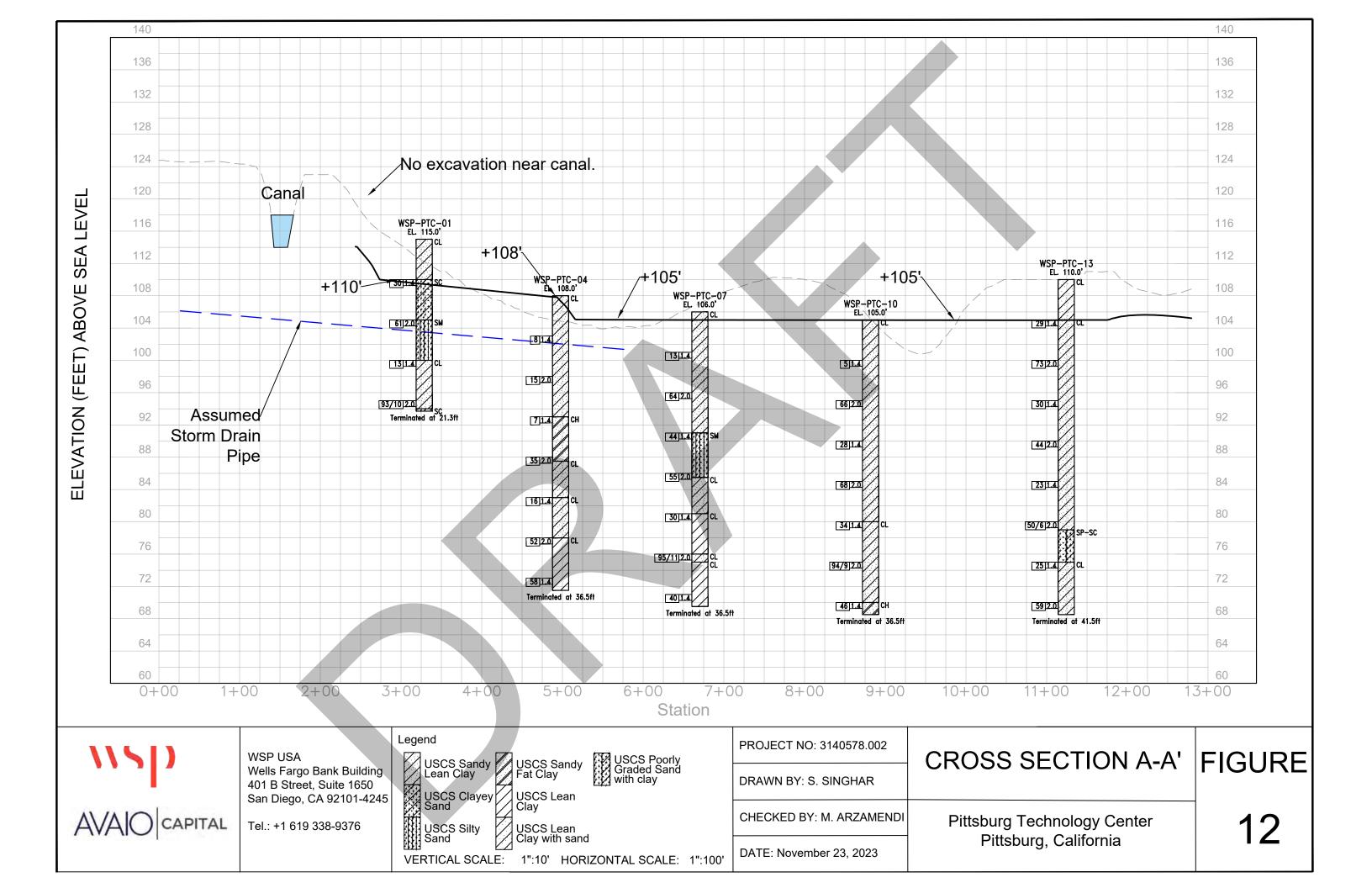
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CHECKED BY: I. Lau		
DATE: November 6, 2023		

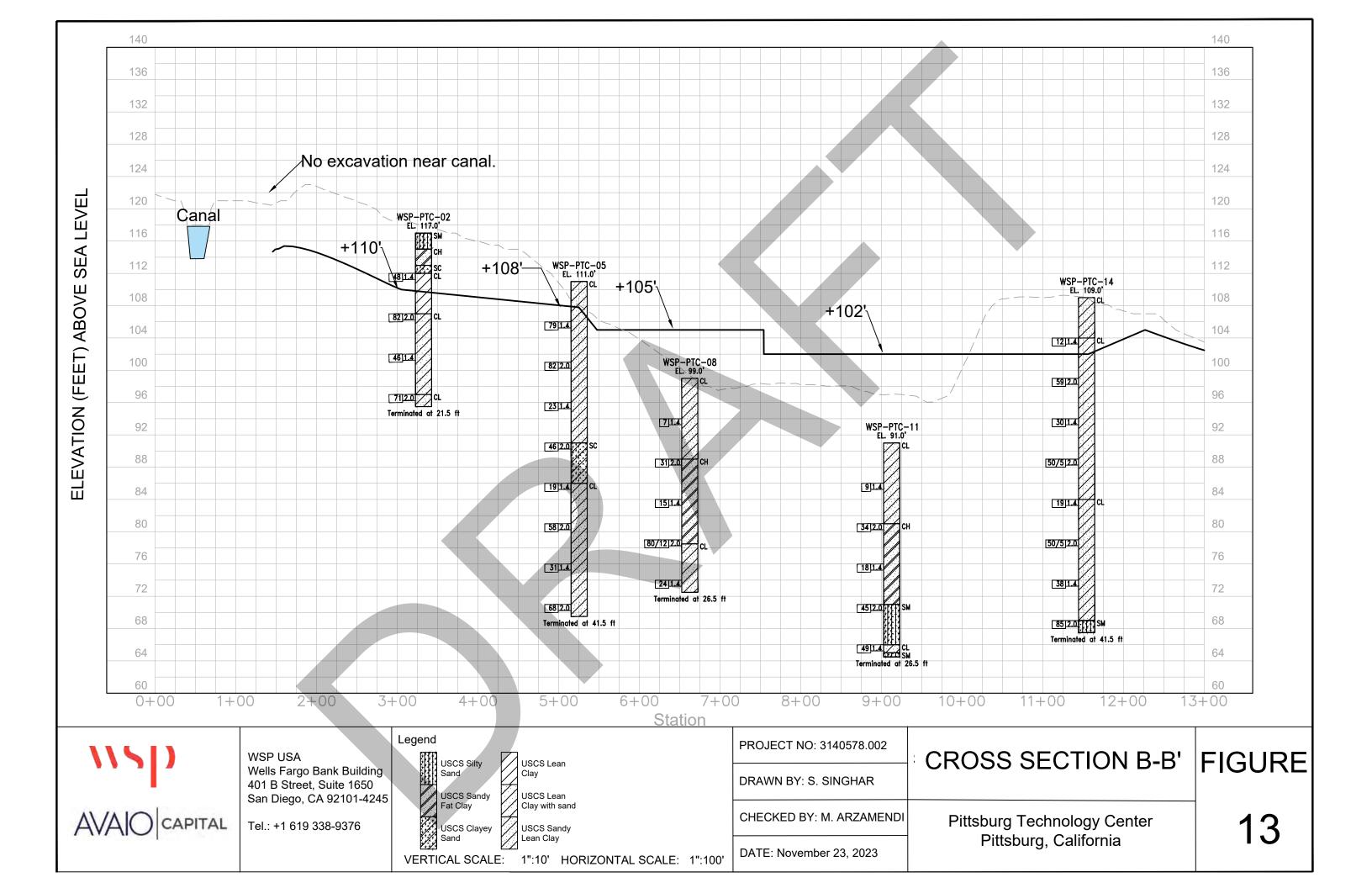
PROJECT NO.: 31405786.002

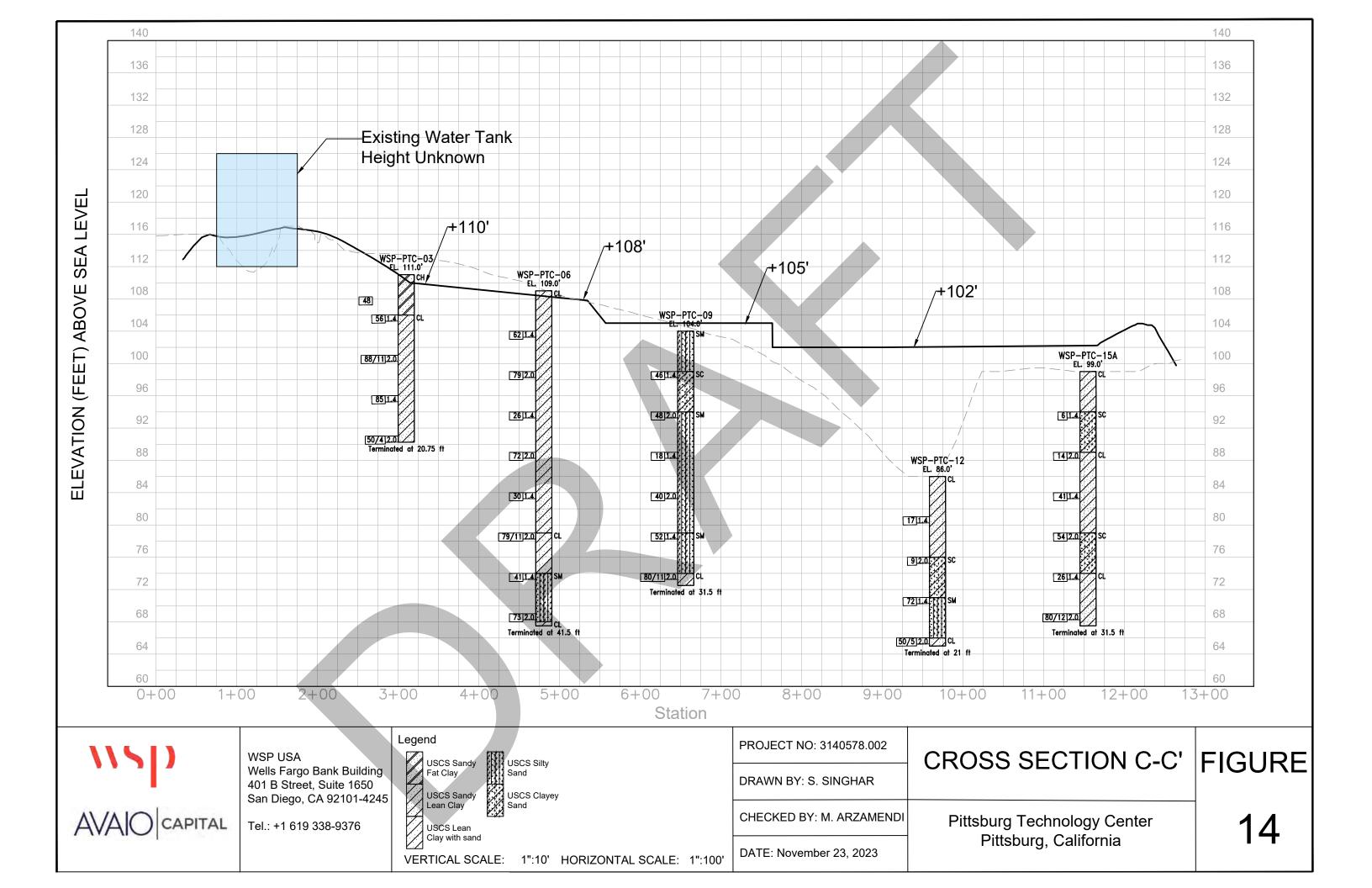
Regional Geologic Map Legend

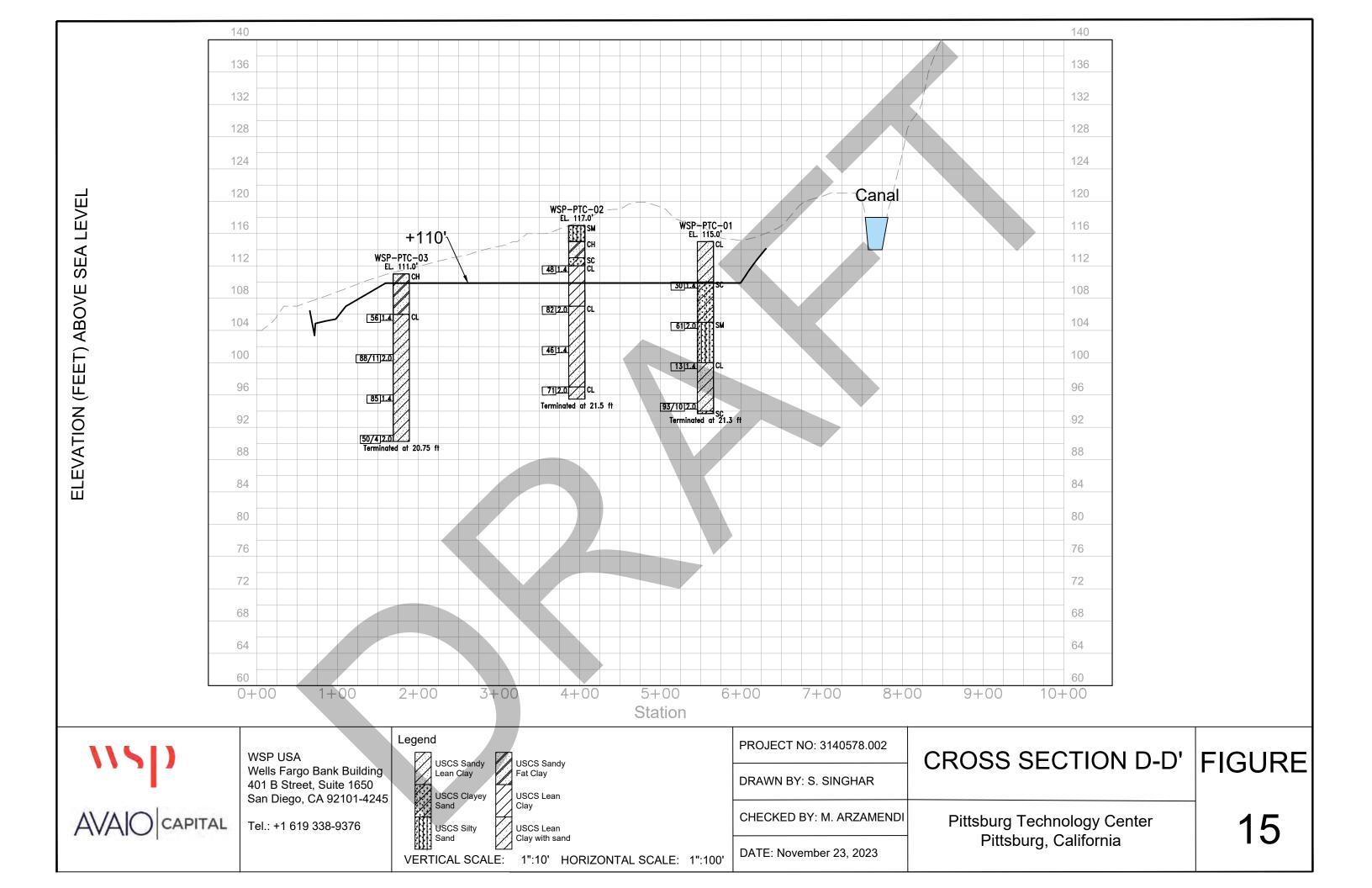
Pittsburg Technology Center Pittsburg, California **FIGURE**

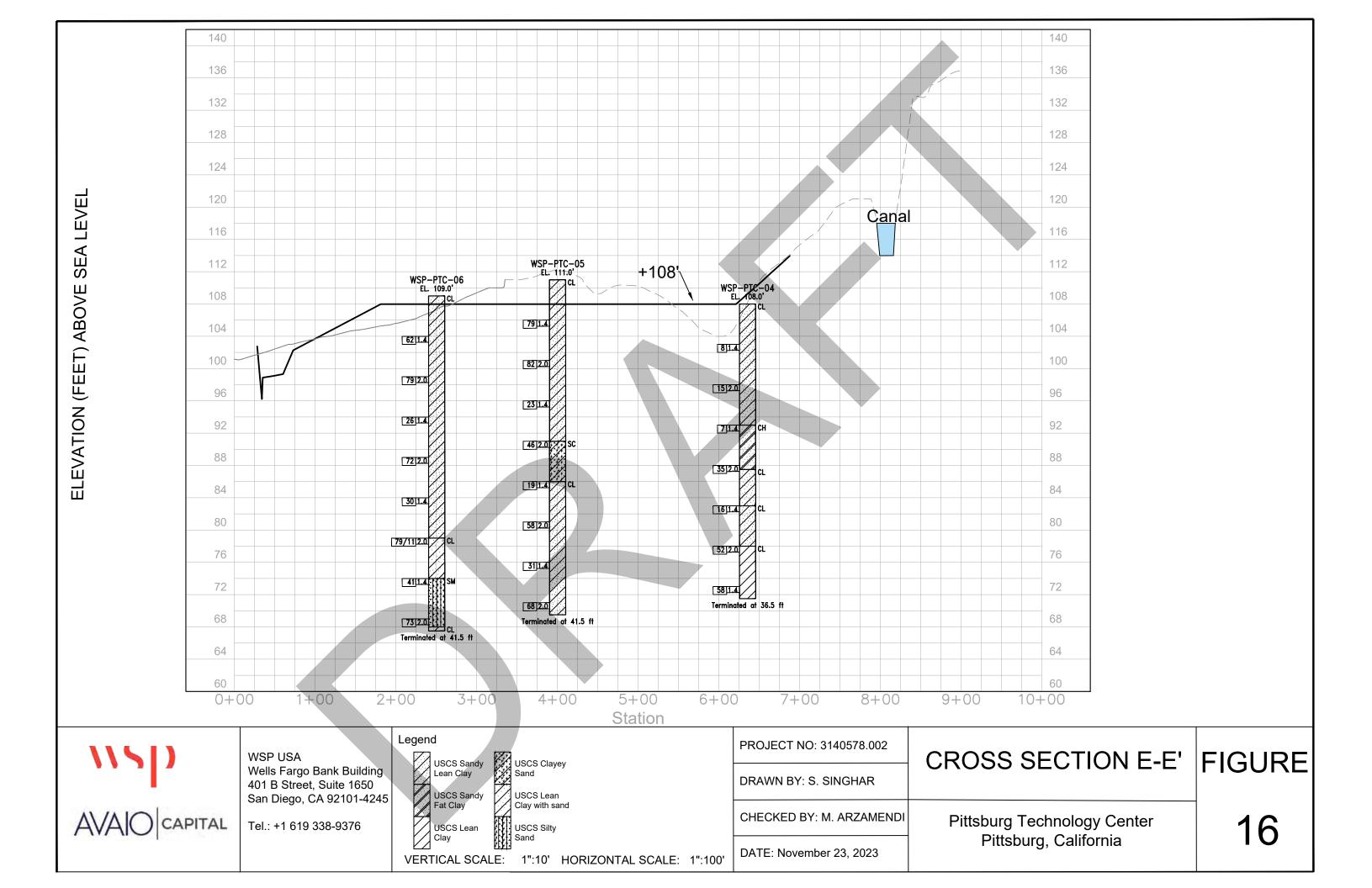
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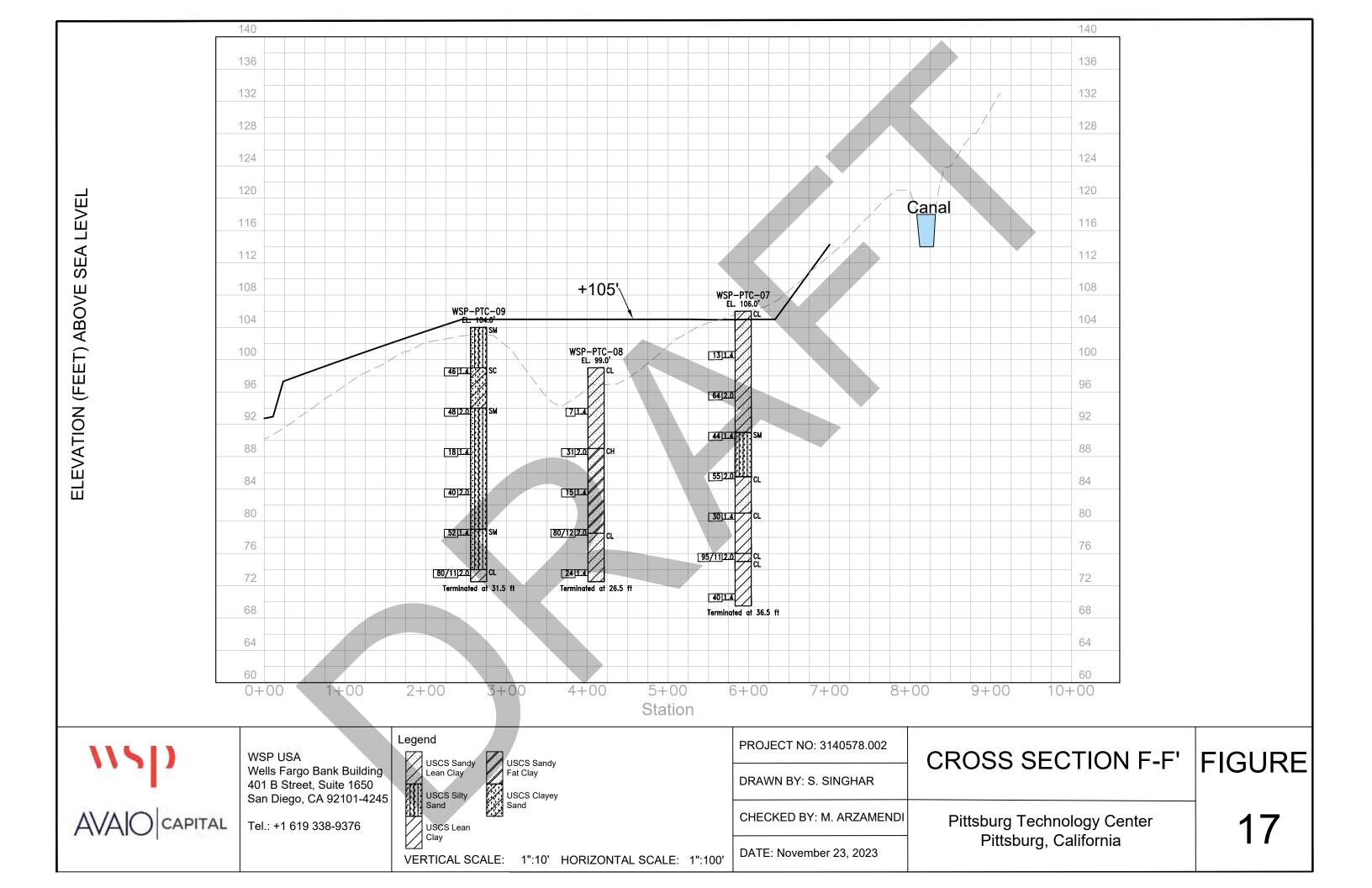


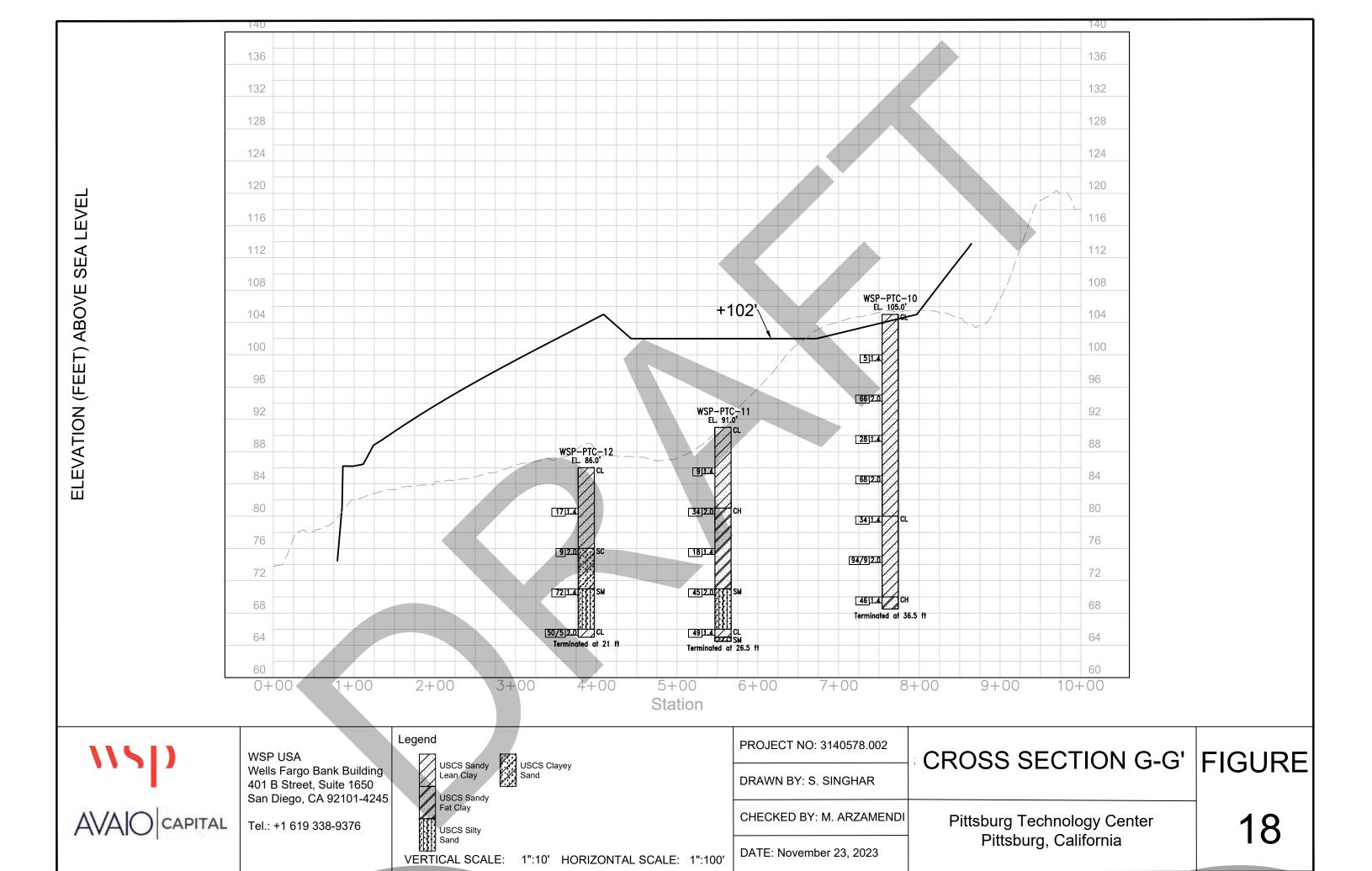


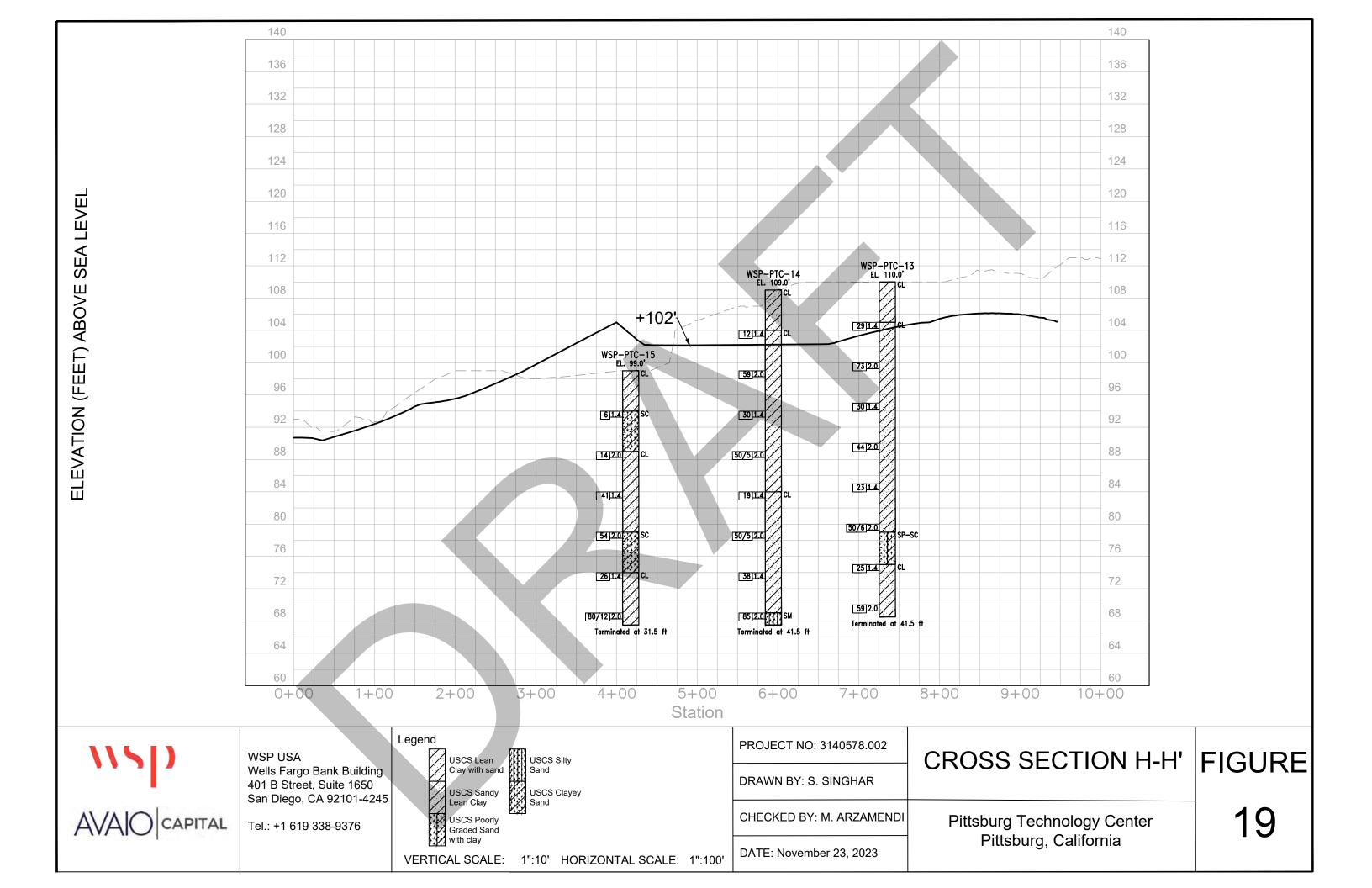


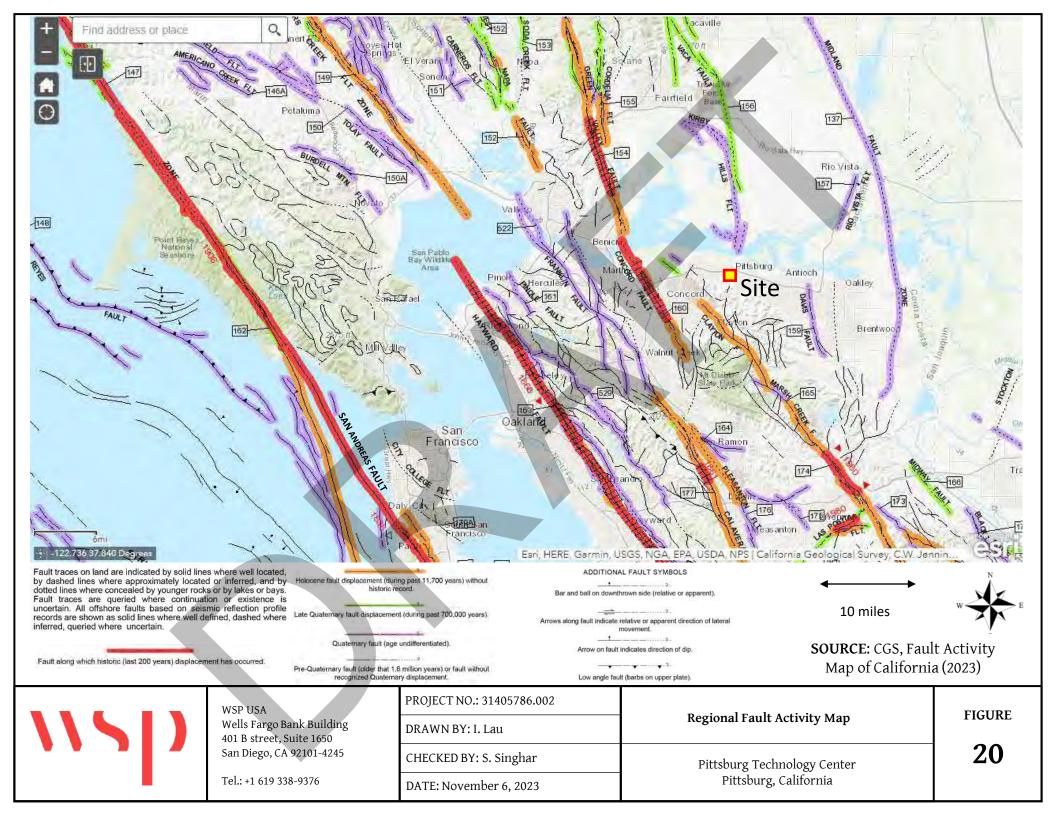
















WSP – Pittsburg Data Center Pittsburg, California NORCAL Job #: NS225138 MASW Results



MASW Results

The results of the MASW survey for soundings MASW-1 through MASW-4 are listed below, in Tables A through D, respectively. The locations of the soundings and associated geophone arrays are shown on Plate 1 – Site Location Map. Although these results are final, a more detailed letter report will be forthcoming.

The left columns of each table contain the depth ranges for each layer (feet below ground surface) and the right columns comprise the associated shear (S-) wave values in feet per second (ft/sec). The results are also presented graphically by the step charts shown on Plates 2 through 5 – MASW Soundings.

Table A: MASW-1: Seismic S-Wave Velocity vs Depth

	,
DEPTH RANGE (FT)	S-WAVE VELOCITY
	(FT/SEC)
0 - 2	700
2 - 5	660
5 - 9	600
9 - 14	700
14 - 19	780
19 - 27	720
27 - 36	640
36 - 47	1,120
47 - 61	1,410
61 - 100	1 310

Vs(30) = 977 fps

Table B: MASW-2: Seismic S-Wave Velocity vs Depth

_		
A	DEPTH RANGE (FT)	S-WAVE VELOCITY
'		(FT/SEC)
	0 - 5	820
Z	5 - 11	700
	11 - 18	1,060
	18 - 27	1,160
	27 - 38	930
	38 - 53	1,030
	53 - 70	1,210
	70 - 93	1,100
	93 - 100	890

Vs(30) = 1018 fps

WSP – Pittsburg Data Center Pittsburg, California NORCAL Job #: NS225138 MASW Results



Table C: MASW-3: Seismic S-Wave Velocity vs Depth

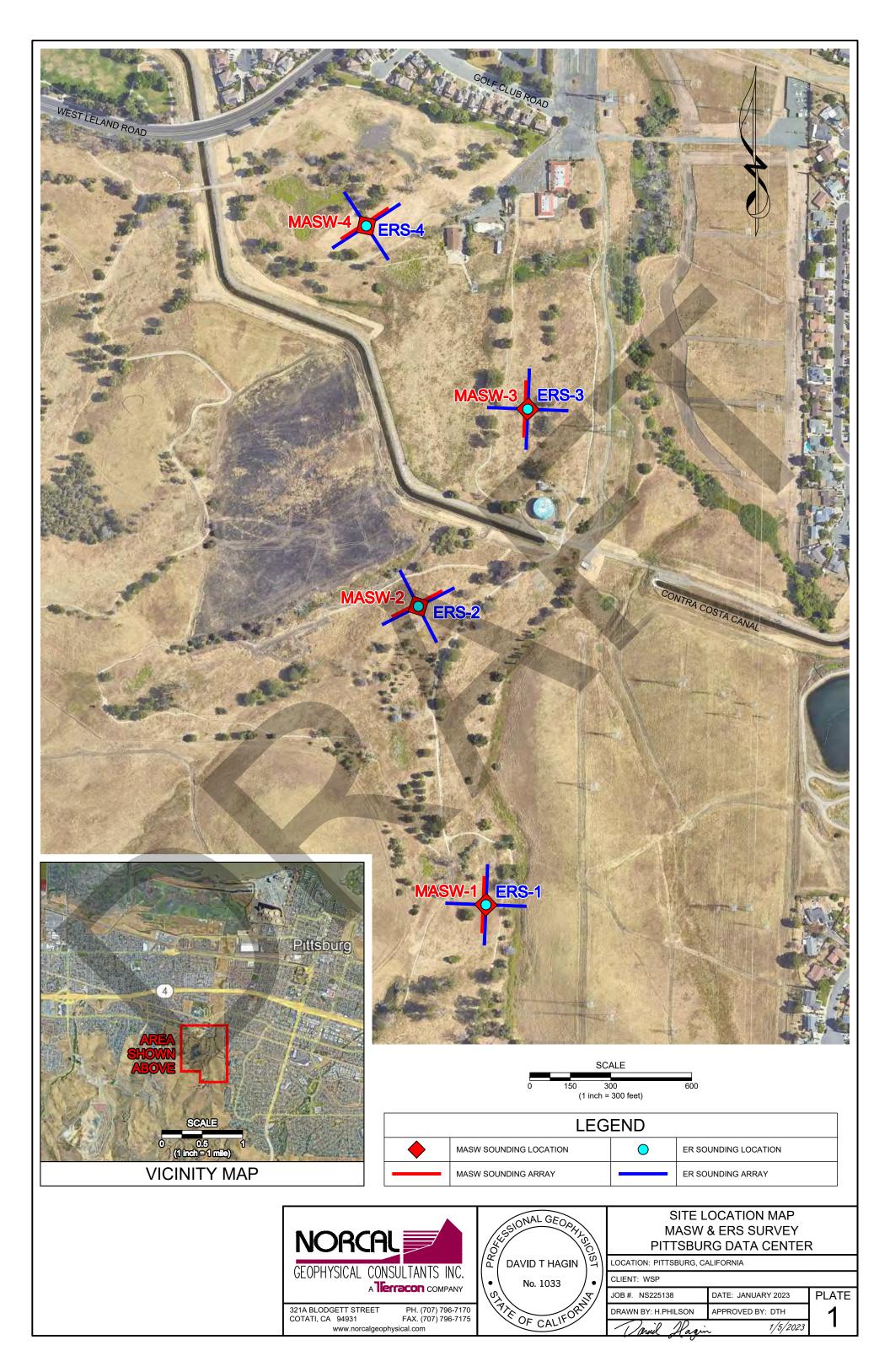
DEPTH RANGE (FT)	S-WAVE VELOCITY
	(FT/SEC)
0 - 4	730
4 - 8	570
8 - 14	670
14 - 20	1,060
20 - 29	1,050
29 - 40	880
40 - 53	1,130
53 - 70	1,300
70 - 92	1,050
92 - 100	1,140

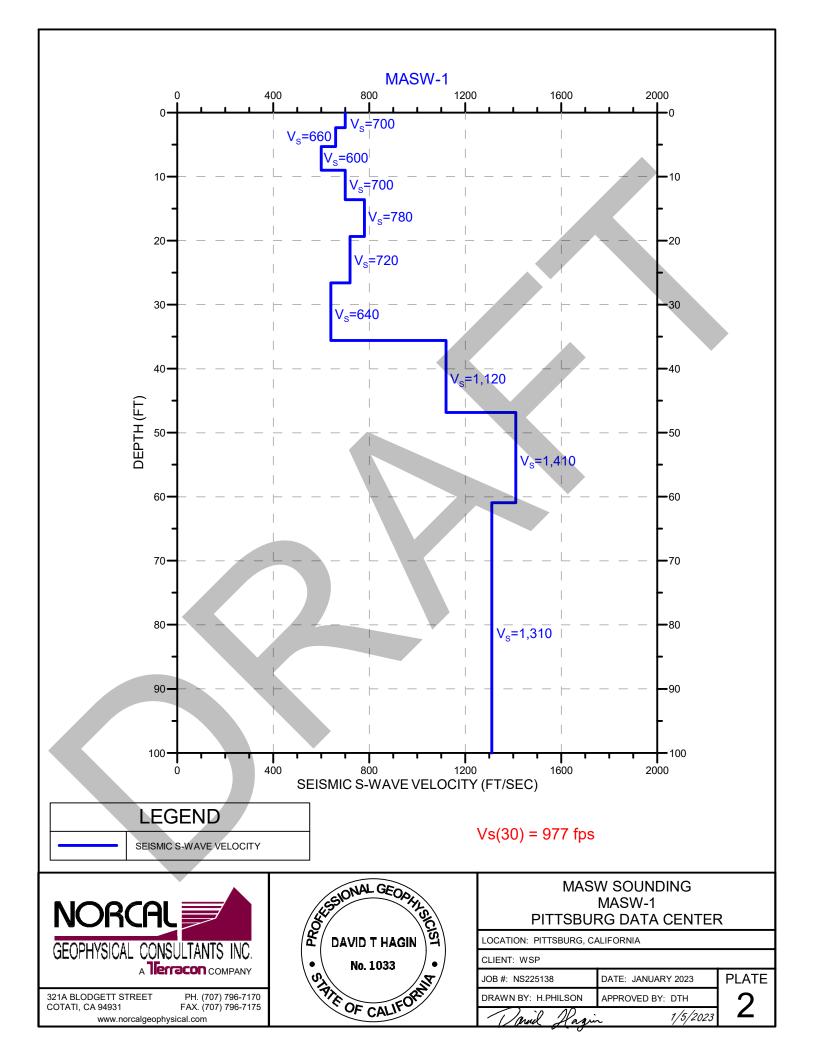
Vs(30) = 977 fps

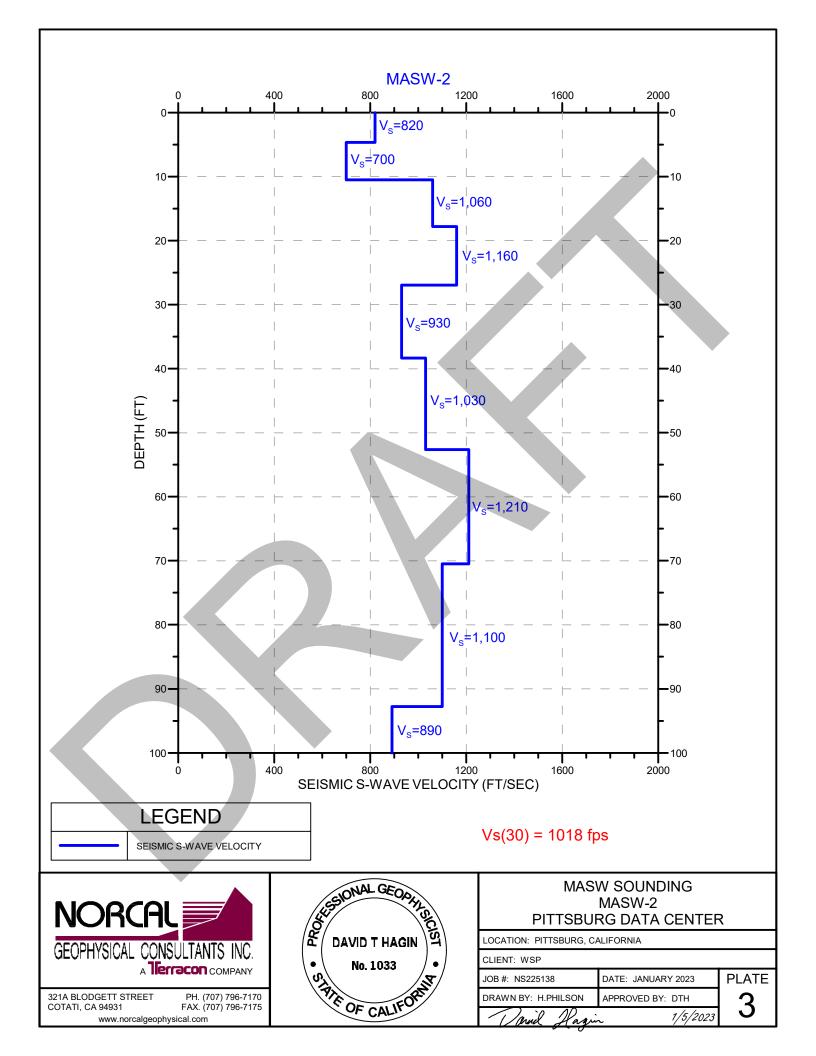
Table D: MASW-4: Seismic S-Wave Velocity vs Depth

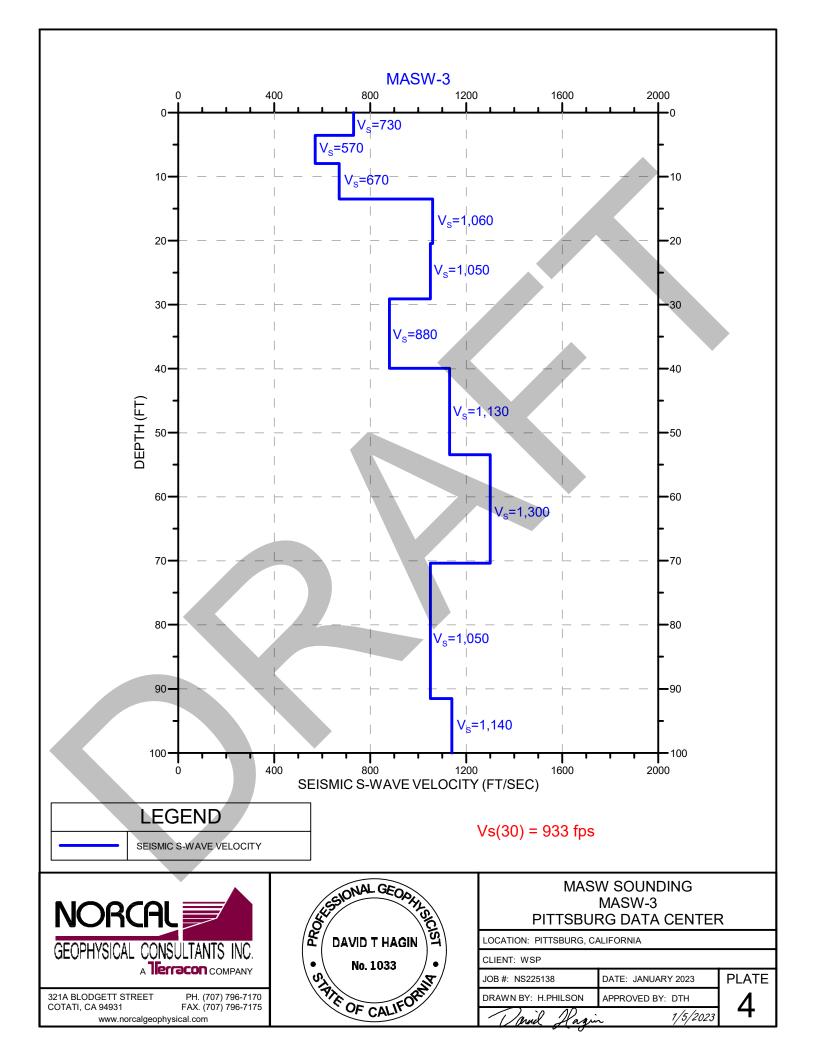
	of the state of th	
DEPTH RANGE (FT)	S-WAVE VELOCITY	
	(FT/SEC)	
0 - 3	840	
3 - 10	850	
10 - 15	780	
15 - 22	710	
22 - 30	730	
30 - 40	920	
40 - 52	1,070	
52 - 68	830	
68 - 100	1,210	

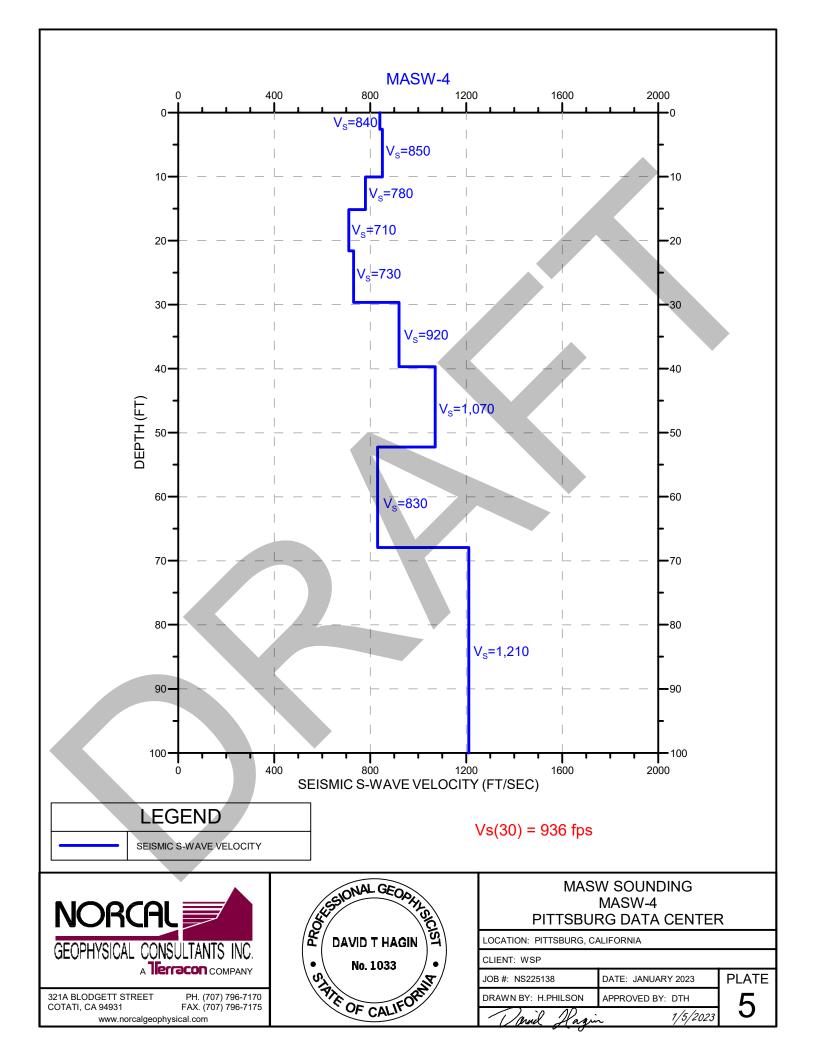
Vs(30) = 936 fps











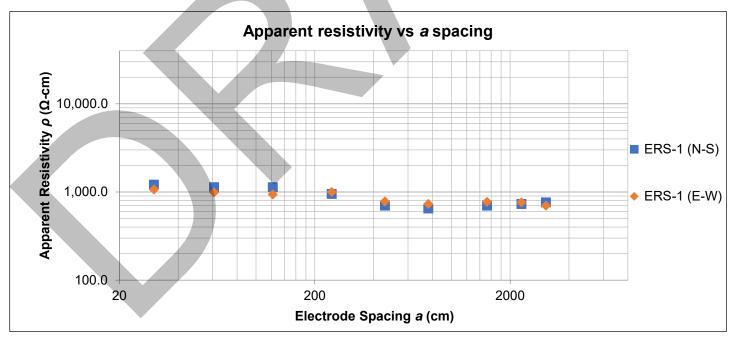
WSP Data Center - Pittsburg, California

December 20, 2022 NORCAL Project No. NS225138



Array Loc. ERS-1(38.005134°N, 121.910600°W) AGI SuperSting R1 Sunny, High 58°F. Instrument Weather SP0303161 Serial # **Ground Cond.** clay & soil 4/8/2022 T. Black Cal. Check **Tested By** Method Wenner 4-pin ASTM G57-06 (2012); IEEE 81-2012 December 20, 2022 **Test Date** Notes & Arrays oriented N-S and W-E with a common midpoint. Conflicts

Electrode Spacing a		Electro	de Depth <i>b</i>	ERS-1	ERS-1 (N-S)		1 (E-W)
(feet)	(centimeters)	(inches)	(centimeters)	Measured Resistance <i>R</i>	Apparent Resistivity <i>ρ</i>	Measured Resistance <i>R</i>	Apparent Resistivity <i>p</i>
				Ω	(Ω-cm)	Ω	(Ω-cm)
1	30	4	10	5.4870	1210	4.8710	1070
2	61	4	10	2.8130	1130	2.4830	990
4	122	4	10	1.4540	1130	1.2180	940
8	244	12	30	0.6018	950	0.6374	1000
15	457	12	30	0.2419	700	0.2679	780
25	762	12	30	0.1349	650	0.1527	730
50	1524	12	30	0.0729	700	0.0803	770
75	2286	12	30	0.0505	730	0.0532	760
100	3048	12	30	0.0395	760	0.0367	700



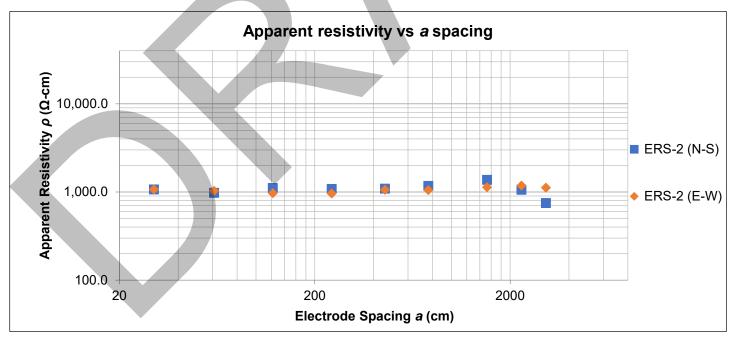
WSP Data Center - Pittsburg, California

December 20, 2022 NORCAL Project No. NS225138



Array Loc. ERS-2(38.008145°N, 121.911540°W) AGI SuperSting R1 Sunny, High 58°F. Instrument Weather SP0303161 Clay and soil Serial # **Ground Cond.** 4/8/2022 T. Black Cal. Check **Tested By** Method Wenner 4-pin ASTM G57-06 (2012); IEEE 81-2012 December 20, 2022 **Test Date** Notes & Arrays oriented N-S and W-E with a common midpoint. Conflicts

Electrode Spacing a		Electro	de Depth <i>b</i>	ERS-2	(N-S)	ERS-2 (E-W)	
(feet)	(centimeters)	(inches)	(centimeters)	Measured Resistance <i>R</i>	Apparent Resistivity <i>ρ</i>	Measured Resistance <i>R</i>	Apparent Resistivity <i>p</i>
				Ω	(Ω-cm)	Ω	(Ω-cm)
1	30	4	10	4.8560	1070	4.8900	1070
2	61	4	10	2.4530	980	2.5820	1030
4	122	4	10	1.4340	1110	1.2510	970
8	244	12	30	0.6888	1080	0.6099	960
15	457	12	30	0.3768	1090	0.3653	1060
25	762	12	30	0.2435	1170	0.2188	1050
50	1524	12	30	0.1432	1370	0.1179	1130
75	2286	12	30	0.0738	1060	0.0818	1180
100	3048	12	30	0.0390	750	0.0584	1120



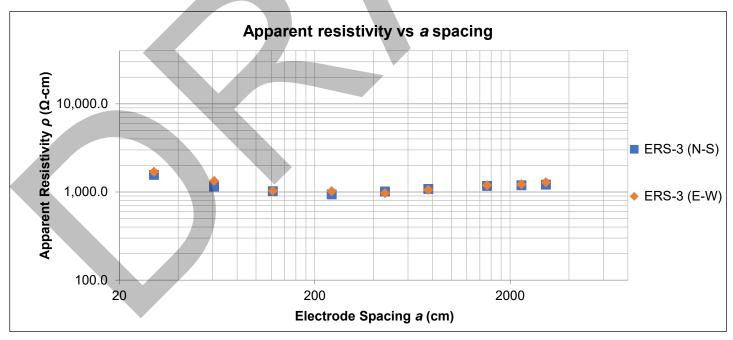
WSP Data Center - Pittsburg, California

December 20, 2022 NORCAL Project No. NS225138



Array Loc. ERS-3(38.010177°N, 121.91097°W) AGI SuperSting R1 Sunny, High 58°F. Instrument Weather SP0303161 Clay and soil Serial # **Ground Cond.** 4/8/2022 T. Black Cal. Check **Tested By** Method Wenner 4-pin ASTM G57-06 (2012); IEEE 81-2012 December 20, 2022 **Test Date** Notes & Arrays oriented N-S and W-E with a common midpoint. Conflicts

Electrode Spacing a		Electro	de Depth <i>b</i>	ERS-3	(N-S)	ERS-3 (E-W)	
(feet)	(centimeters)	(inches)	(centimeters)	Measured Resistance <i>R</i>	Apparent Resistivity <i>ρ</i>	Measured Resistance <i>R</i>	Apparent Resistivity <i>p</i>
				Ω	(Ω-cm)	Ω	(Ω-cm)
1	30	4	10	7.1130	1560	7.6720	1690
2	61	4	10	2.8650	1150	3.3150	1330
4	122	4	10	1.3110	1020	1.3320	1030
8	244	12	30	0.5977	940	0.6491	1020
15	457	12	30	0.3482	1010	0.3352	970
25	762	12	30	0.2245	1080	0.2200	1060
50	1524	12	30	0.1226	1170	0.1240	1190
75	2286	12	30	0.0825	1190	0.0846	1220
100	3048	12	30	0.0634	1210	0.0672	1290



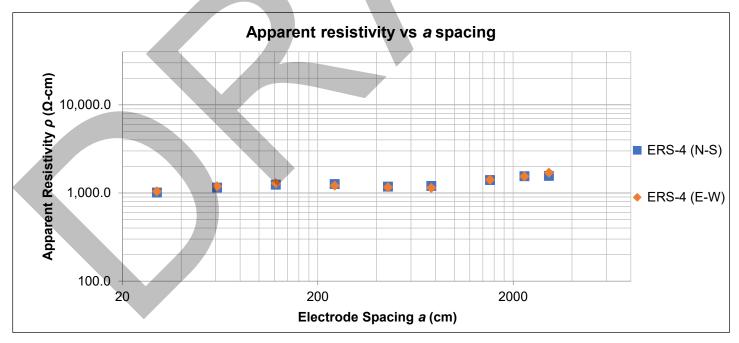
WSP Data Center - Pittsburg, California

December 20, 2022 NORCAL Project No. NS225138



Array Loc. ERS-4(38.012018°N, 121.912299°W) AGI SuperSting R1 Sunny, High 58°F. Instrument Weather SP0303161 Clay and soil Serial # **Ground Cond.** 4/8/2022 T. Black Cal. Check **Tested By** Method Wenner 4-pin ASTM G57-06 (2012); IEEE 81-2012 December 20, 2022 **Test Date** Notes & Arrays oriented N-S and W-E with a common midpoint. Conflicts

Electrode Spacing a		Electro	de Depth <i>b</i>	ERS-4 (N-S)		ERS-	4 (E-W)
(feet)	(centimeters)	(inches)	(centimeters)	Measured Resistance <i>R</i>	Apparent Resistivity <i>ρ</i>	Measured Resistance <i>R</i>	Apparent Resistivity <i>p</i>
				Ω	(Ω-cm)	Ω	(Ω-cm)
1	30	4	10	4.6170	1010	4.7270	1040
2	61	4	10	2.8790	1150	2.9830	1190
4	122	4	10	1.6040	1240	1.6620	1290
8	244	12	30	0.7991	1260	0.7673	1210
15	457	12	30	0.4092	1180	0.4009	1160
25	762	12	30	0.2491	1200	0.2367	1140
50	1524	12	30	0.1466	1400	0.1473	1410
75	2286	12	30	0.1081	1550	0.1075	1540
100	3048	12	30	0.0815	1560	0.0886	1700

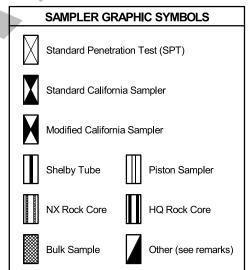


APPENDIX

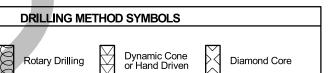


		GROUP SYMBO	LS AN	D NAM	ES
Graphic / S	Symbol	Group Names	Graphic	/ Symbol	Group Names
00000	GW GP	Well-graded GRAVEL Well-graded GRAVEL with SAND Poorly graded GRAVEL		CL	Lean CLAY Lean CLAY with SAND Lean CLAY with GRAVEL SANDY lean CLAY SANDY lean CLAY SANDY lean CLAY GRAVELLY lean CLAY
	W-GM	Poorty graded GRAVEL with SAND Well-graded GRAVEL with SILT Well-graded GRAVEL with SILT and SAND			GRAVELLY lean CLAY with SAND SILTY CLAY SILTY CLAY with SAND SILTY CLAY with GRAVEL
G	GW-GC	Well-graded GRAVEL with CLAY (or SILTY CLAY) Well-graded GRAVEL with CLAY and SAND (or SILTY CLAY and SAND)		CL-ML	SANDY SILTY CLAY SANDY SILTY CLAY with GRAVEL GRAVELLY SILTY CLAY GRAVELLY SILTY CLAY with SAND
	SP-GM	Poorly graded GRAVEL with SILT Poorly graded GRAVEL with SILT and SAND Poorly graded GRAVEL with CLAY		ML	SILT SILT with SAND SILT with GRAVEL SANDY SILT
	GP-GC	(or SILTY CLAY) Poorly graded GRAVEL with CLAY and SAND (or SILTY CLAY and SAND)			SANDY SILT with GRAVEL GRAVELLY SILT GRAVELLY SILT with SAND ORGANIC lean CLAY
	GM	SILTY GRAVEL SILTY GRAVEL with SAND CLAYEY GRAVEL		OL	ORGANIC lean CLAY with SAND ORGANIC lean CLAY with GRAVEL SANDY ORGANIC lean CLAY SANDY ORGANIC lean CLAY with GRAVEL
	GC	CLAYEY GRAVEL with SAND SILTY, CLAYEY GRAVEL			GRAVELLY ORGANIC lean CLAY GRAVELLY ORGANIC lean CLAY with SAND ORGANIC SILT
G	SW	SILTY, CLAYEY GRAVEL with SAND Well-graded SAND		OL	ORGANIC SILT with SAND ORGANIC SILT with GRAVEL SANDY ORGANIC SILT SANDY ORGANIC SILT with GRAVEL GRAVELLY ORGANIC SILT
	SP	Well-graded SAND with GRAVEL Poorly graded SAND Poorly graded SAND with GRAVEL		СН	GRAVELLY ORGANIC SILT with SAND Fat CLAY Fat CLAY with SAND Fat CLAY with GRAVEL SANDY fat CLAY
s	SW-SM	Well-graded SAND with SILT Well-graded SAND with SILT and GRAVEL		S.I.	SANDY fat CLAY with GRAVEL GRAVELLY fat CLAY GRAVELLY fat CLAY with SAND
s	sw-sc	Well-graded SAND with CLAY (or SILTY CLAY) Well-graded SAND with CLAY and GRAVEL (or SILTY CLAY and GRAVEL)		МН	Elastic SILT Elastic SILT with SAND Elastic SILT with GRAVEL SANDY elastic SILT
s	SP-SM	Poorly graded SAND with SILT Poorly graded SAND with SILT and GRAVEL			SANDY elastic SILT with GRÄVEL GRAVELLY elastic SILT GRAVELLY elastic SILT with SAND ORGANIC fat CLAY
!	SP-SC	Poorly graded SAND with CLAY (or SILTY CLAY) Poorly graded SAND with CLAY and GRAVEL (or SILTY CLAY and GRAVEL) SILTY SAND		ОН	ORGANIC fat CLAY with SAND ORGANIC fat CLAY with GRAVEL SANDY ORGANIC fat CLAY SANDY ORGANIC fat CLAY SANDY ORGANIC fat CLAY
	SM	SILTY SAND with GRAVEL CLAYEY SAND			GRAVELLY ORGANIC fat CLAY GRAVELLY ORGANIC fat CLAY with SAND ORGANIC elastic SILT
s	SC-SM	CLAYEY SAND with GRAVEL SILTY, CLAYEY SAND SILTY, CLAYEY SAND with GRAVEL		ОН	ORGANIC elastic SILT with SAND ORGANIC elastic SILT with GRAVEL SANDY elastic ELASTIC SILT SANDY ORGANIC elastic SILT with GRAVEL GRAVELLY ORGANIC elastic SILT GRAVELLY ORGANIC elastic SILT with SAND
77 77 77 77 77 77	PT	PEAT		OL/OH	ORGANIC SOIL ORGANIC SOIL ORGANIC SOIL with SAND ORGANIC SOIL with GRAVEL SANDY ORGANIC SOIL
		COBBLES COBBLES and BOULDERS BOULDERS	[220.1	SANDY ORGANIC SOIL with GRAVEL GRAVELLY ORGANIC SOIL GRAVELLY ORGANIC SOIL with SAND

	FIELD AND LABORATORY TESTS
С	Consolidation (ASTM D 2435-04)
CL	Collapse Potential (ASTM D 5333-03)
СР	Compaction Curve (CTM 216 - 06)
CR	Corrosion, Sulfates, Chlorides (CTM 643 - 99; CTM 417 - 06; CTM 422 - 06)
CU	Consolidated Undrained Triaxial (ASTM D 4767-02)
DS	Direct Shear (ASTM D 3080-04)
El	Expansion Index (ASTM D 4829-03)
М	Moisture Content (ASTM D 2216-05)
ОС	Organic Content (ASTM D 2974-07)
Р	Permeability (CTM 220 - 05)
PA	Particle Size Analysis (ASTM D 422-63 [2002])
PI	Liquid Limit, Plastic Limit, Plasticity Index (AASHTO T 89-02, AASHTO T 90-00)
PL	Point Load Index (ASTM D 5731-05)
PM	Pressure Meter
PP	Pocket Penetrometer
R	R-Value (CTM 301 - 00)
SE	Sand Equivalent (CTM 217 - 99)
SG	Specific Gravity (AASHTO T 100-06)
SL	Shrinkage Limit (ASTM D 427-04)
sw	Swell Potential (ASTM D 4546-03)
TV	Pocket Torvane
UC	Unconfined Compression - Soil (ASTM D 2166-06) Unconfined Compression - Rock (ASTM D 2938-95)
	I be a second Balance of I be absoluted Table 2 of



UU Unconsolidated Undrained Triaxial (ASTM D 2850-03) **UW** Unit Weight (ASTM D 4767-04) VS Vane Shear (AASHTO T 223-96 [2004])



WATER LEVEL SYMBOLS

▼ Static Water Level Reading (short-term)

▼ Static Water Level Reading (long-term)



Auger Drilling

	CONSISTENCY OF COHESIVE SOILS					
Descriptor	Unconfined Compressive Strength (tsf)	Pocket Penetrometer (tsf)	Torvane (tsf)	Field Approximation		
Very Soft	< 0.25	< 0.25	< 0.12	Easily penetrated several inches by fist		
Soft	0.25 - 0.50	0.25 - 0.50	0.12 - 0.25	Easily penetrated several inches by thumb		
Medium Stiff	0.50 - 1.0	0.50 - 1.0	0.25 - 0.50	Can be penetrated several inches by thumb with moderate effort		
Stiff	1.0 - 2.0	1.0 - 2.0	0.50 - 1.0	Readily indented by thumb but penetrated only with great effort		
Very Stiff	2.0 - 4.0	2.0 - 4.0	1.0 - 2.0	Readily indented by thumbnail		
Hard	> 4.0	> 4.0	> 2.0	Indented by thumbnail with difficulty		

APPARENT DE	APPARENT DENSITY OF COHESIONLESS SOILS			
Descriptor	SPT N ₆₀ - Value (blows / foot)			
Very Loose	0 - 4			
Loose	5 - 10			
Medium Dense	11 - 30			
Dense	31 - 50			
Very Dense	> 50			

	MOISTURE				
Descriptor	Criteria				
Dry	Absence of moisture, dusty, dry to the touch				
Moist	Damp but no visible water				
Wet	Visible free water, usually soil is below water table				

PERCENT	PERCENT OR PROPORTION OF SOILS				
Descriptor	Criteria				
Trace	Particles are present but estimated to be less than 5%				
Few	5 to 10%				
Little	15 to 25%				
Some	30 to 45%				
Mostly	50 to 100%				
1					

	SOIL PARTICLE SIZE				
Descriptor		Size			
Boulder		> 12 inches			
Cobble		3 to 12 inches			
Crayol	Coarse	3/4 inch to 3 inches			
Gravel	Fine	No. 4 Sieve to 3/4 inch			
	Coarse	No. 10 Sieve to No. 4 Sieve			
Sand	Medium	No. 40 Sieve to No. 10 Sieve			
	Fine	No. 200 Sieve to No. 40 Sieve			
Silt and Clay		Passing No. 200 Sieve			

	PLASTICITY OF FINE-GRAINED SOILS					
Descriptor	Criteria					
Nonplastic	A 1/8-inch thread cannot be rolled at any water content.					
Low	The thread can barely be rolled, and the lump cannot be formed when drier than the plastic limit.					
Medium	The thread is easy to roll, and not much time is required to reach the plastic limit; it cannot be rerolled after reaching the plastic limit. The lump crumbles when drier than the plastic limit.					
High	It takes considerable time rolling and kneading to reach the plastic limit. The thread can be rerolled several times after reaching the plastic limit. The lump can be formed without crumbling when drier than the plastic limit.					

	CEMENTATION									
Descriptor	Criteria									
Weak	Crumbles or breaks with handling or little finger pressure.									
Moderate	Crumbles or breaks with considerable finger pressure.									
Strong	Will not crumble or break with finger pressure.									

NOTE: This legend sheet provides descriptors and associated criteria for required soil description components only. Refer to Caltrans Soil and Rock Logging, Classification, and Presentation Manual (July 2007), Section 2, for tables of additional soil description components and discussion of soil description and identification.



ConeTec ORILLING ME	ONTRAC				15-22		38 0	43.92"	/ -121	l° 54'	43.2	2" W	GS8	34				V	VS	SP-PDC-01				
DRILLING ME	;	TOR					BOREHO Forme											SU	IRF/	ACE ELEVATION .0 ft NAVD88				
	ETHOD						DRILL RI	G				-,						ВС	RE	HOLE DIAMETER				
Hollow-S		uger ND SIZE(S) (I	ID)				SPT HAM			ll										5-inch 1ER EFFICIENCY, ERI				
Bulk, SP7	T (2"),	Mod Cal (2	2.5")				Auton	natic 1	40lb h									9	92.5%					
Cement of		L AND COMP	PLETION	l			GROUND READING			ING DR enco l						IG (D. ntere			TOTAL DEPTH OF BORING 41.5 ft					
ELEVATION (ft) DEPTH (ft)	Material Graphics		D	ESCRI	PTION			Sample Location Sample Number	Blows per 6 in.	Blows per foot	Recovery (%)	Dry Unit Weight (pcf)	Moisture Content (%)	Liquid Limit (%)	Plasticity Index (%)	Passing #4 (%)	Passing #200 (%)	Pocket Penetration (tsf)	Drilling Method	Remarks				
12.00 2 3		Vegetation. ARTIFICIAL I Lean CLAY wow plasticity - brown. CLAYEY SAN moist; mostly weak cement	vith SAN fines. ND (SC)	ND (CL)	ım dense	e; light bro	own;	S-1					15	45		100			7222	Top 5 ft: Hand Auger with 3" Diameter M, CP, CR, PA, PI OC = 3.4% pH = 8.1 Thermal Res.				
5 - 08.00 6 - 7 -		ALLUVIUM ((Lean CLAY (to medium pla - brown; little	Qa) CL); har asticity f	rd; dark fines; tra medium	brown; r ace fine sAND.	moist; mo SAND.	stly low	S-2	9 16 16	32	100	108	14					>5.0		No Dent with Pocket Penetration M, UW				
9 - 04.00 10 - 11 - 02.00 12 - 03		Lean CLAY w some fine SA	with SAN	ND (CL) ostly low	; hard; liç v plasticit	ght brown y fines.	ı; moist;	S-3	11 23 29	52	56		11	-						No Dent with Pocket Penetration M				
13 - 00.00 14 - 15 - 8.00 16 -		- trace fine to	o coarse,	, subrou	unded Gi	RAVEL.		S-4	15 36 75/5"	111/11	94	114	10							M, UW				
6.00 18 19 4.00 20 21		Lean CLAY (CL); har	rd; brow	/n; moist;	; mostly lo	ow	S-5	18	38	72		14					>5.0		No Dent with Pocket Penetration M				
2.00 22 - 23 - 0.00 24 -		V						/\	20										}	IVI				
25	1/1			(cont	inued)				1	<u> </u>					1				1 / L					
AVAK	Oc	APITAL		B. A	ARED BY: arabzadeh				Pit	tsbu	_				_	-)e	nte	r	PROJECT NUMBE				
11	5	V	WSP US/ 4755 Eas Suite 150	M. A A stgate Ma	ırzamendi				L	og		sbur F B (nia				31405786.0 WSP-PDC				

LOGGE E. O	ED BY 'Hara		BEGIN 12-1 :			PLETION 15-22	DATE	BOREHO 38° 0'	OLE L 43.9	OCA 92"	TION (Lat/Lor	ng or 43.2	North	/East	and 84	Datu	m)			DLE NS		DC-01	
DRILLI		NTRA	CTOR					BOREHO															EVATION AVD88	
DRILLI			Auger					DRILL R	IG											ВС	ORE		NAMETER	
SAMPL	ER TY	PE(S)	AND SIZE(S)					SPT HAI	MMEF	R TYF	PE									H/	ΔMN	IER EFF	FICIENCY,	ERi
			Mod Cal		N			Autor GROUNI	DWA						-		RILLII	NG (I	DATE		2.5 OTAI		H OF BORI	NG
	ent g							READIN	GS			encou					cou				1.5			
ELEVATION (ft)	កំоертн (ft)	Material Graphics			DESCRI				Sample Location	Sample Number	Blows per 6 in.	Blows per foot	Recovery (%)	Dry Unit Weight (pcf)	Moisture Content (%)	Liquid Limit (%)	Plasticity Index (%)	Passing #4 (%)	Passing #200 (%)	Pocket Penetration (tsf)	Drilling Method		Remarks	
88.00	26 -		Lean CLAY some fine S fine, rounde	with SASAND; med GRAN	ND (CL) nostly low /EL; stro	; hard; bro / plasticity ng cemen	own; mo rfines; s tation.	oist; some	X	S-6	13 28 41	69	100	106	13					>5.0	\{\{\}	No Der Penetr M, UW		cet
86.00	28 -																	>						+
84.00	30		- dense; litt	le fines;	weak ce	mentation	l.			S-7	10 15 16	31	72		13							М		-
82.00	32 -							7										>						+
80.00	34		- very dens	e: model	rate cem	entation				S-8	22	106	89	104	18							M, UW	,	-
78.00	36		vory done	o, model		ontaion.			X		43 63										$\left \right $, σ		+
76.00	38																							+
74.00	40 -		- dense.						V	S-9	14 18	39	100		13							М		<u> </u>
72.00	42		Bottom of b	oorehole	at 41.5 f	t below gr	ound su	ırface.	_/\		21										111			
	43																							Ŧ
70.00	45																							
68.00	46 -																							- -
66.00	48 49																							+
	-50-				PRFP4	ARED BY:					Dir	4 - J -		T .	_ I.				<u> </u>					
AV	AI(APITAL	NAME :	B. A CHEC M. A	rabzadeh CKED BY:					PIt	tsbu I	_	l e sbu			_	-		nte	r	PR	OJECT NU 314057	
	11	-	1)	Suite 15	astgate Ma						L	OG	OF	B	OF	RIN	G							PDC-01

	12-14-22 12-14-22		ATION (Lat/Long or North/East and Datun 1 / -121° 54' 36" WGS84	MSP-PDC-02							
DRILLING CONTR ConeTec	ACTOR		ATION DESCRIPTION Course Fairway	SURFACE ELEVATION 107.0 ft NAVD88							
DRILLING METHO	D	DRILL RIG	<u> </u>	BOREHOLE DIAMETER 3-inch							
Hand Auger SAMPLER TYPE(S	S) AND SIZE(S) (ID)		SPT HAMMER TYPE								
BUIK	(FILL AND COMPLETION	N/A GROUNDWATER	N/A NG (DATE) TOTAL DEPTH OF BORING								
	th Auger Cuttings	READINGS	DURING DRILLING AFTER DRILLIN not encountered not encoun								
ELEVATION (ft) DEPTH (ft) Material	DESCRIPTION	Sample Location Sample Number	Blows per 6 in. Blows per foot Recovery (%) Dry Unit Weight (pcf) Moisture Content (%) Liquid Limit (%) Plasticity Index (%)	Passing #4 (%) Passing #200 (%) Pocket Penetration (tsf) Drilling Method							
05.00 2 3 3 03.00 4	Vegetation. ARTIFICIAL FILL (Qaf) Fat CLAY (CH); dark brown; moist; mostly by plasticity fines; trace fine SAND. - white concretions. - brown; little fine SAND.	S-1		100 79 Hand Auger to 5 fee M, PA, PI OC = 1.2%							
01.00 6 -	Bottom of borehole at 5.0 ft below ground s										
9.00 8 9 7.00 10 7											
5.00 12 -											
3.00 14 -											
1.00 16 17 9.00 18											
7.00 20											
20 - 21 - 21 - 22 - 23 - 23 - 24 - 25 - 26 - 26 - 26 - 26 - 26 - 26 - 26											
7.00 20 — 21 — 5.00 22 — 23 —											
20 - 21 - 21 - 22 - 23 - 23 - 24 - 25 - 26 - 26 - 26 - 26 - 26 - 26 - 26											
37.00 20 21 35.00 22 23 33.00 24 25	PREPARED BY: B. Arabzadeh CHECKED BY: M. Arzamendi		Pittsburg Technolog Pittsburg, Califor	DD0 (507) 11 11 11 11 11 11 11							

	D BY Hara	BEGIN 12-1 4		12-14-22	38° 0' 28.8									HOLE ID WSP-PDC-03					
ORILLIN Cone		RACTOR				Former G									ACE ELE O ft NA				
DRILLIN	NG METH					RILL RIG								BORE	HOLE DI	AMETER			
	I Auger ER TYPE	(S) AND SIZE(S)) (ID)			SPT HAMMER TYPE									3-inch HAMMER EFFICIENCY, ERI				
Bulk		NELL AND COL	ADI ETION			N/A GROUNDWATER DURING DRILLING AFTER DRILLING (DATE)									N/A TOTAL DEPTH OF BORING				
		KFILL AND CONVITCH AUGER CONVITCH				READINGS			ntered		t enco			5.0 f		OF BORING			
ELEVATION (ft)	DEPTH (ft) Material	Graphics	DES	CRIPTION		Sample Location	Sample Number Blows per 6 in.	Blows per foot	Recovery (%) Dry Unit Weight	(pcr) Moisture Content (%)	Liquid Limit (%) Plasticity	Index (%) Passing #4 (%)	Passing #200 (%)	Penetration (tsf) Drilling Method	F	Remarks			
43.00 41.00	1 2 3 4 4	Vegetation. ARTIFICIAI SANDY lea mostly low Well-grade medium SA cementation	L FILL (Qaf) in CLAY (CL plasticity fine d SAND (SW AND: trace su); very soft; d. es; trace fine s /); brown; mo ubangular GF		moist;	5-1			19	33 8		55						
39.00	6	Bottom of b	oorehole at 5	.0 ft below gro	ound surfa	ce.						'	•						
37.00	8 - 9				\														
	10										,								
	12 -																		
31.00	14 -																		
	16																		
	18 -																		
	20																		
	21																		
23.00	21 - 22 - 23 -																		
23.00	22																		
23.00	22 23 24 25 25	CAPITAL	1	REPARED BY: B. Arabzadeh			Pit		rg T					ter	DDC	NECT NUMBER			
23.00	22 23 24 25 25	CAPITAL	1	B. Arabzadeh CHECKED BY: M. Arzamendi				F	rg To	urg, (Califo	ornia		ter	PRC	DJECT NUMBE 31405786.0 WSP-PDC			

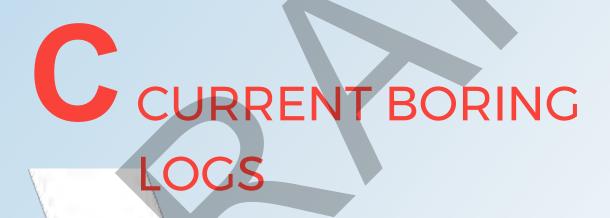
OGGED BY E. O'Hara	BEGIN DATE COMPLET 12-14-22 12-14-2		CATION (Lat/Long or North/East and Datum) " / -121° 54' 38.16" WGS84	HOLE ID WSP-PDC-04
ORILLING CONTI	RACTOR		CATION DESCRIPTION f Course Fairway	SURFACE ELEVATION 99.0 ft NAVD88
RILLING METHO Hand Auger		DRILL RIG N/A	· ,	BOREHOLE DIAMETER 3-inch
	(S) AND SIZE(S) (ID)	SPT HAMMER T	YPE	HAMMER EFFICIENCY, ERI
BOREHOLE BAC	KFILL AND COMPLETION		R DURING DRILLING AFTER DRILLING (DA	TE) TOTAL DEPTH OF BORING
	vith Auger Cuttings		not encountered not encountered	
ELEVATION (ft) DEPTH (ft) Material		Sample		
07.00 2	Vegetation. ARTIFICIAL FILL (Qaf) Lean CLAY (CL); dark brown; mplasticity fines; little fine SAND.		17 31 7 99 58	Hand Auger to 5 feet
5.00 4	Poorly graded SAND (SP); light I fine SAND; little fines; moderate cementation.			
03.00 6 7	Bottom of borehole at 5.0 ft below	w ground surface.		
1.00 8				
9.00 10 -				
7.00 12 -				
5.00 14 -				
3.00 16				
1.00 18				
9.00 20 -				
7.00 22 -				
5.00 24				
AVAIO	CAPITAL PREPARED B. Arabza CHECKED CHECKED	adeh BY:	Pittsburg Technology C Pittsburg, California	enter PROJECT NUMBEI 31405786.00
110	M. Arzam WSP USA 4755 Eastgate Mall Suite 150 San Diego, CA 92121	enui	LOG OF BORING	WSP-PDC

OGGED BY E. O'Hara	BEGIN DATE 12-15-22	COMPLETION DATE 12-15-22		ATION (Lat/Long or Nort / -121° 54' 37.44"		HOLE ID WSP-PDC-05
RILLING CONT ConeTec	TRACTOR		BOREHOLE LOCA Adjacent to 0	ATION DESCRIPTION Creek		SURFACE ELEVATION 120.0 ft NAVD88
RILLING METH			DRILL RIG			BOREHOLE DIAMETER N/A-inch
AMPLER TYPE	E(S) AND SIZE(S) (ID)		SPT HAMMER TY	PE		HAMMER EFFICIENCY, ERI
	CKFILL AND COMPLETIO			DURING DRILLING	AFTER DRILLING (DATE)	N/A TOTAL DEPTH OF BORING
	with Shovel Cutting	<u> </u>	READINGS	not encountered		3.0 ft
ELEVATION (ft)	Graphics	DESCRIPTION	Sample Location Sample Number	Blows per 6 in. Blows per foot Recovery (%) Dry Unit Weight	Moisture Content (%) Liquid Limit (%) Plasticity Index (%) Passing #4 (%) Passing #200 (%)	Denetration (tsf) Remarks Remarks
18.00 2	SANDY lean CLAY high plasticity fines;	Qaf) k brown; moist; mostly e medium SAND. (CL); dark brown; mois little fine to medium S/ at 3.0 ft below ground s	st; mostly AND.			Shovel Sample in top 3 feet
16.00 4 -						
14.00 6						
12.00 8						
9 10.00						
08.00						
06.00 14						
15 -						
17						
19						
00.00 20 21						
3.00 22						
6.00 24 -						
AVAIC) CAPITAL	PREPARED BY: B. Arabzadeh		_	echnology Cen	
117 110	WSP U				urg, California	PROJECT NUMBE 31405786.0
	9 4755 Ea	astgate Mall		LOG OF E	BORING	WSP-PDC

OGGED BY BEGIN DATE COMPLETION DAT E. O'Hara 12-15-22 12-15-22		ATION (Lat/Long or North/East and Datum) / -121° 54' 43.56" WGS84	WSP-PDC-06
DRILLING CONTRACTOR ConeTec	BOREHOLE LOCA	ATION DESCRIPTION	SURFACE ELEVATION 155.0 ft NAVD88
ORILLING METHOD Other Drilling Method SAMPLER TYPE(S) AND SIZE(S) (ID)	DRILL RIG N/A SPT HAMMER TY	PF	BOREHOLE DIAMETER N/A-inch HAMMER EFFICIENCY, ERI
Bulk	N/A		N/A
BOREHOLE BACKFILL AND COMPLETION Backfilled with Shovel Cuttings	READINGS	DURING DRILLING AFTER DRILLING (DATE) not encountered not encountered	TOTAL DEPTH OF BORING 3.0 ft
ELEVATION (ft) DEPTH (ft) Material Graphics NOILdelau	Sample Location Sample Number	Blows per 6 in. Blows per foot Recovery (%) Dry Unit Weight (pcf) Moisture Content (%) Liquid Limit (%) Plasticity Index (%) Passing #4 (%)	Pocket Penetration (tsf) Drilling Method Remarks
Vegetation. ARTIFICIAL FILL (Qaf) Fat CLAY with SAND (CH); brown; moist plasticity fines; trace fine SAND. CLAYEY SAND (SC); dark brown; moist; to medium SAND; some medium plasticit Weak Cementation. Bottom of borehole at 3.0 ft below ground.	mostly fine ty fines;	24 50 36 100 73	Shovel Sample in top 3 feet M, CP, CR, PA, PI pH = 8.2 Thermal Res.
51.00 4 - 5 -	ounuee.		
49.00 6 7			
9			
45.00 10 1 11 1 1			
43.00 12 13 13 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
11.00 14 15			
39.00 16 17 17 18 18 18 18 18 18 18 18 18 18 18 18 18			
37.00 18 19 19 19 19 19 19 19 19 19 19 19 19 19			
25.00 20 21			
33.00 22 23			
31.00 24 - 25			
PREPARED BY: B. Arabzadeh CHECKED BY: M. Arzamendi		Pittsburg Technology Cer Pittsburg, California	nter PROJECT NUMBE 31405786.00
WSP USA 4755 Eastgate Mall Suite 150 San Diego, CA 92121		LOG OF BORING	WSP-PDC

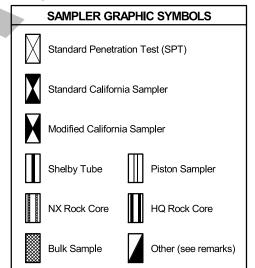
E. 0'			12	SIN DA			MPLE 2-15	ETION I -22	DATE	38°	HOLE LO 0' 21.9	6" / -12	1° 54'	43.5	6" \			atum)		_ '		P-P			_
Cone	NG CON	NTRAC	TOR								HOLE LO		DESCF	RIPTIO	N					- 1		CE EL			
	NG MET		lethod							DRILL N/A	RIG									- 1		HOLE I	DIAME	TER	
SAMPLE	ER TYF		ND SIZE		D)					SPT H	AMMER	TYPE								Н	AMM		FICIEN	ICY, ERI	i
Bulk		VCKEII	L AND (`OMDI	ETION	NI.				N/A	NDWATI	ED DITE	DING DE	DII I INI	G	_T_C	ווסח פ	LING	/DAT		N/A	DEDT	.H OE	BORING	<u>_</u>
			Shove							READI			enco	unter	ed	not	enc	ount			3.0 f		1101	DOMING	<u>,</u>
ELEVATION (ft)	DEPTH (ft)	Material Graphics			С	ESC	RIPT	ION			Sample Location	Sample Number Blows per 6 in.	Blows per foot	Recovery (%)	Dry Unit Weight (pcf)	Moisture Content (%)	Liquid Limit (%) Plasticity	Index (%) Passing #4 (%)	Passing #200 (%)	Pocket Penetration (tsf)	Drilling Method		Rem	arks	
99.00	1 2 3			CIAL F Y with sticity Y SAN SANI						st; mostl fine to s; Weak	у	-1						8 10	0 73		X	Shove feet M, CP pH = 8 Therm	, CR, I 3.6		3
97.00	5		Bottom (ehole	at 3.0	ft bel	ow gro	und su	ırface.															
95.00	6 7																								
93.00	8 -																								
	10																>								
	12																								
37.00	14 -		•										•												
	16						K																		
33.00	18 -																								
	20 21																								
	22 23																								
77.00	24																								
AV.	ΔΙ) c	APIT/	AL.		Е	PARE B. Arab	zadeh				Pi	ttsbı	_						ente	r				_
/ \V/				W 47	/SP US 755 Ea	A SA stgate	IECKE 1. Arza Mall						.OG	Pitts OF					ia			PR	3′	T NUMB 1405786. VSP-PD	.00
	100	100		S	uite 15 an Die	0 -		1				-	.00	JI	ים		1146	•						SHEET 1	

APPENDIX



		GROUP SYMBO	LS AN	D NAM	ES
Graphic	/ Symbol	Group Names	Graphic	/ Symbol	Group Names
	GW GP	Well-graded GRAVEL with SAND Poorly graded GRAVEL with SAND Poorly graded GRAVEL Poorly graded GRAVEL with SAND		CL	Lean CLAY Lean CLAY with SAND Lean CLAY with GRAVEL SANDY lean CLAY SANDY lean CLAY GRAVELLY lean CLAY GRAVELLY lean CLAY
	GW-GM	Well-graded GRAVEL with SILT Well-graded GRAVEL with SILT and SAND Well-graded GRAVEL with CLAY (or SILTY CLAY)		CL-ML	SILTY CLAY SILTY CLAY with SAND SILTY CLAY with GRAVEL SANDY SILTY CLAY SANDY SILTY CLAY GRAVELLY SILTY CLAY
000000000000000000000000000000000000000	GP-GM	Well-graded GRAVEL with CLAY and SAND (or SILTY CLAY and SAND) Poorly graded GRAVEL with SILT Poorly graded GRAVEL with SILT and SAND Poorly graded GRAVEL with CLAY		ML	GRAVELLY SILTY CLAY with SAND SILT SILT with SAND SILT with GRAVEL SANDY SILT
	GP-GC	(or SILTY CLAY) Poortly graded GRAVEL with CLAY and SAND (or SILTY CLAY and SAND)			SANDY SILT with GRAVEL GRAVELLY SILT GRAVELLY SILT with SAND
00000	GM	SILTY GRAVEL SILTY GRAVEL with SAND		OL	ORGANIC lean CLAY ORGANIC lean CLAY with SAND ORGANIC lean CLAY with GRAVEL SANDY ORGANIC lean CLAY
	GC	CLAYEY GRAVEL CLAYEY GRAVEL with SAND			SANDY ORGANIC lean CLAY with GRAVEL GRAVELLY ORGANIC lean CLAY GRAVELLY ORGANIC lean CLAY with SAND
	GC-GM	SILTY, CLAYEY GRAVEL SILTY, CLAYEY GRAVEL with SAND		OL	ORGANIC SILT ORGANIC SILT with SAND ORGANIC SILT with GRAVEL SANDY ORGANIC SILT
۵. ۵ ۵. د	sw	Well-graded SAND Well-graded SAND with GRAVEL			SANDY ORGANIC SILT with GRAVEL GRAVELLY ORGANIC SILT GRAVELLY ORGANIC SILT with SAND
. []]	SP	Poorly graded SAND with GRAVEL		СН	Fat CLAY Fat CLAY with SAND Fat CLAY with GRAVEL SANDY fat CLAY
	SW-SM	Well-graded SAND with SILT Well-graded SAND with SILT and GRAVEL			SANDY fat CLAY with GRAVEL GRAVELLY fat CLAY GRAVELLY fat CLAY with SAND
	sw-sc	Well-graded SAND with CLAY (or SILTY CLAY) Well-graded SAND with CLAY and GRAVEL (or SILTY CLAY and GRAVEL) Poorly graded SAND with SILT		МН	Elastic SILT Elastic SILT with SAND Elastic SILT with GRAVEL SANDY elastic SILT SANDY elastic SILT with GRAVEL
	SP-SM	Poorly graded SAND with SILT and GRAVEL Poorly graded SAND with CLAY (or SILTY CLAY)			GRAVELLY elastic SILT GRAVELLY elastic SILT with SAND ORGANIC fat CLAY ORGANIC fat CLAY with SAND
	SP-SC SM	Poorfy graded SAND with CLAY and GRAVEL (or SILTY CLAY and GRAVEL) SILTY SAND SILTY SAND with GRAVEL		ОН	ORGANIC Fat CLAY with SRAVEL SANDY ORGANIC fat CLAY SANDY ORGANIC fat CLAY SANDY ORGANIC fat CLAY With GRAVEL GRAVELLY ORGANIC fat CLAY GRAVELLY ORGANIC fat CLAY with SAND
	SC SC-SM	CLAYEY SAND CLAYEY SAND with GRAVEL SILTY, CLAYEY SAND		ОН	ORGANIC elastic SILT ORGANIC elastic SILT with SAND ORGANIC elastic SILT with GRAVEL SANDY elastic ELASTIC SILT SANDY ORGANIC elastic SILT with GRAVEL GRAVELLY ORGANIC elastic SILT
	PT	SILTY, CLAYEY SAND with GRAVEL PEAT		OL/OH	GRAVELLY ORGANIC elastic SILT with SAND ORGANIC SOIL ORGANIC SOIL with SAND ORGANIC SOIL with SAND ORGANIC SOIL with GRAVEL SANDY ORGANIC SOIL
		COBBLES COBBLES and BOULDERS BOULDERS	[220.1	SANDY ORGANIC SOIL with GRAVEL GRAVELLY ORGANIC SOIL GRAVELLY ORGANIC SOIL with SAND

FIELD AND LABORATORY TESTS С Consolidation (ASTM D 2435-04) CL Collapse Potential (ASTM D 5333-03) CP Compaction Curve (CTM 216 - 06) CR Corrosion, Sulfates, Chlorides (CTM 643 - 99; CTM 417 - 06; CTM 422 - 06) CU Consolidated Undrained Triaxial (ASTM D 4767-02) DS Direct Shear (ASTM D 3080-04) Expansion Index (ASTM D 4829-03) El Moisture Content (ASTM D 2216-05) OC Organic Content (ASTM D 2974-07) Permeability (CTM 220 - 05) Particle Size Analysis (ASTM D 422-63 [2002]) Liquid Limit, Plastic Limit, Plasticity Index (AASHTO T 89-02, AASHTO T 90-00) Point Load Index (ASTM D 5731-05) PM Pressure Meter Pocket Penetrometer R-Value (CTM 301 - 00) Sand Equivalent (CTM 217 - 99) Specific Gravity (AASHTO T 100-06) SL Shrinkage Limit (ASTM D 427-04) SW Swell Potential (ASTM D 4546-03) Pocket Torvane Unconfined Compression - Soil (ASTM D 2166-06) Unconfined Compression - Rock (ASTM D 2938-95) UC



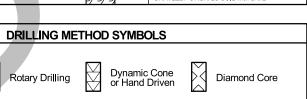
Unconsolidated Undrained Triaxial

(ASTM D 2850-03)

UW Unit Weight (ASTM D 4767-04)

VS Vane Shear (AASHTO T 223-96 [2004])

UU



WATER LEVEL SYMBOLS

∑ First Water Level Reading (during drilling)

▼ Static Water Level Reading (short-term)

January Static Water Level Meading (Short-term)

▼ Static Water Level Reading (long-term)



Auger Drilling

	CONSISTENCY OF COHESIVE SOILS										
Descriptor	Unconfined Compressive Strength (tsf)	Pocket Penetrometer (tsf)	Torvane (tsf)	Field Approximation							
Very Soft	< 0.25	< 0.25	< 0.12	Easily penetrated several inches by fist							
Soft	0.25 - 0.50	0.25 - 0.50	0.12 - 0.25	Easily penetrated several inches by thumb							
Medium Stiff	0.50 - 1.0	0.50 - 1.0	0.25 - 0.50	Can be penetrated several inches by thumb with moderate effort							
Stiff	1.0 - 2.0	1.0 - 2.0	0.50 - 1.0	Readily indented by thumb but penetrated only with great effort							
Very Stiff	2.0 - 4.0	2.0 - 4.0	1.0 - 2.0	Readily indented by thumbnail							
Hard	> 4.0	> 4.0	> 2.0	Indented by thumbnail with difficulty							

APPARENT DE	NSITY OF COHESIONLESS SOILS
Descriptor	SPT N ₆₀ - Value (blows / foot)
Very Loose	0 - 4
Loose	5 - 10
Medium Dense	11 - 30
Dense	31 - 50
Very Dense	> 50

	MOISTURE
Descriptor	Criteria
Dry	Absence of moisture, dusty, dry to the touch
Moist	Damp but no visible water
Wet	Visible free water, usually soil is below water table

PERCENT	OR PROPORTION OF SOILS
Descriptor	Criteria
Trace	Particles are present but estimated to be less than 5%
Few	5 to 10%
Little	15 to 25%
Some	30 to 45%
Mostly	50 to 100%
1	

	SOIL PA	ARTICLE SIZE
Descriptor		Size
Boulder		> 12 inches
Cobble		3 to 12 inches
Crayol	Coarse	3/4 inch to 3 inches
Gravel	Fine	No. 4 Sieve to 3/4 inch
	Coarse	No. 10 Sieve to No. 4 Sieve
Sand	Medium	No. 40 Sieve to No. 10 Sieve
	Fine	No. 200 Sieve to No. 40 Sieve
Silt and Clay		Passing No. 200 Sieve

	PLASTICITY OF FINE-GRAINED SOILS
Descriptor	Criteria
Nonplastic	A 1/8-inch thread cannot be rolled at any water content.
Low	The thread can barely be rolled, and the lump cannot be formed when drier than the plastic limit.
Medium	The thread is easy to roll, and not much time is required to reach the plastic limit; it cannot be rerolled after reaching the plastic limit. The lump crumbles when drier than the plastic limit.
High	It takes considerable time rolling and kneading to reach the plastic limit. The thread can be rerolled several times after reaching the plastic limit. The lump can be formed without crumbling when drier than the plastic limit.

	CEMENTATION
Descriptor	Criteria
Weak	Crumbles or breaks with handling or little finger pressure.
Moderate	Crumbles or breaks with considerable finger pressure.
Strong	Will not crumble or break with finger pressure.

NOTE: This legend sheet provides descriptors and associated criteria for required soil description components only. Refer to Caltrans Soil and Rock Logging, Classification, and Presentation Manual (July 2007), Section 2, for tables of additional soil description components and discussion of soil description and identification.



LOGGE M. Br	uning	-	BEGIN 10-3-			MPLETIO -3-23	N DATE	BOREHO 61551	52.0	ft /	2193	153.0	ft V	VGS		st an	d Dat	um)		\		P-PT	C-01	
Tabe	r D rill	ling						See S	ite P		ATTON	DEGG	IXII I	IOIN						1	15.	0 ft NA	VD88	
DRILLIN								DRILL R		00												HOLE D -inch I	IAMETEF . D .	R
SAMPLI	ER TY	PE(S)	AND SIZE(S					SPT HAI	MMEF	R TY			00	·									ICIENCY,	ERi
			Mod Cal (2 ILL AND CO	-	ON			Auton GROUN							•	R D	RILLI	NG (DAT		30%		H OF BOI	RING
Ceme								READIN	GS			encou	ınteı	red	no	t en	cou			2	21.3	ft		
ELEVATION (ft)	DEPTH (ft)	Material Graphics		I	DESCR	IPTION			Sample Location	Sample Number	Blows per 6 in.	Blows per foot	Recovery (%)	Dry Unit Weight (pcf)	loisture ontent (%)	iquid Limit (%)	Plasticity Index (%)	Passing #4 (%)	Passing #200 (%)	Pocket Penetration (tsf)	Drilling Method	F	Remarks	,
113.00 111.00	1 2 3 4		SANDY lear to medium \$; roots in up	n CLAY (SAND ; n per 12".	(CL); bro	own; dry t w to med	to moist; s lium plast	some fine icity fines	S		8	8	<u>«</u>		20		9 T	<u>a.</u>	α.	<u>a</u> a				
109.00	5 - 6 - 7 - 8 -		CLAYEY SA to medium \$	 ND (SC SAND ; s	— — — ;); dense some low	; brown; to medi	— — — — moist; mo um plastic	ostly fine city fines.		S-2	7 16 14	30	83		19			,			-)}	М		
105.00	9 10 11 12 11 13 11 11 11 11 11 11 11 11 11 11 11		SILTY SANI fine to medi	O (SM); v um SAN	 very den D ; some	se; brow e nonplas	n; moist; i stic fines.	mostly	X	S-3	8 26 35	61	92	100	18	24	3	100	45			M, UW,	PA, PI	
99.00	14 — 15 — 16 —		SANDY lear medium SAI	n CLAY ((CL); stif	f; brown; to mediu	moist; so m plasticit	me fine to ty fines.		S-4	6 6 7	13	94											
97.00 95.00	18 - 19 - 20 -								V:	S-5	15	93/10	100	114	12							M, UW		
	21 - 22 - 23 - 24 -		CLAYEY SA trace fine to to coarse SA Bottom of bo	AND; so	me low p	olasticity	fines.		_ N _	E	43 50/3.5 <u>"</u>										<u> { </u>			
- 63 73	25	<u> </u>				ARED BY:					Pit	tsbı	ıra	Te	ch	no	log	v (Ce	nte	 r			
AV	AI(APITAL		CHE	и. Bruning CKED BY: Arzamendi	:						_	sbu			_	-			•	PRO	JECT NU 314057	IMBER: 786.002
	11	5)	Suite 15	SA stgate Ma	ill					L	OG											WSP	-PTC-01

M. Br	uning	-	BEGIN 10-3 -		COMPL 10-3 -	ETION D		BOREHO 615531	13.0 f	t / 21	9317	71.0	ft V	VGS		st an	d Da	tum)		\		SP-PT		١
DRILLIN Tabe i			CTOR					BOREHO See Sit			ON D	ESCI	RIPT	ION								ACE ELE		
DRILLIN Hollo							I	DRILL RIC		n												HOLE DI		
SAMPLI	ER TY	PE(S)	AND SIZE(S					SPT HAM	MER	TYPE										HA	AMN	/IER EFFI		ERi
			Mod Cal (N		I	Autom GROUNE							•	R D	RILL	ING ((DAT		30% OTA	L DEPTH	OF BOR	ING
Ceme							F	READING	SS			cou	nte	red	nc	ot er	cou				21.5		or bore	
ELEVATION (ft)	DEPTH (ft)	Material Graphics		D	ESCRIP"	TION			Sample Location	Sample Number Blows per 6 in		Blows per foot	Recovery (%)	Dry Unit Weight	Moisture Content (%)	Liquid Limit (%)	Plasticity Index (%)	Passing #4 (%)	Passing #200 (%)	Pocket Penetration (tsf)	Drilling Method	F	Remarks	
115.00	1 2 3		SILTY SAN fine to coars ; roots in up SANDY fat SAND; mos	CLAY (CH	l); dark br lasticity fi	own; mois nes.	st; some	fine	- S	-1								•						- - - -
113.00	5		CLAYEY SA medium SA Lean CLAY medium SA							-2 18	3	48	89		16						-{}	М		-
111.00	6 7		medium SA	AND ; most	tly low to r	nedium p	olasticity	tines.		22	- 1										}			- -
109.00	8 -																	•						- - -
107.00	10 -		Lean CLAY moist; little plasticity fin	with SAN fine to medies.	 D (CL); ha dium SAN	ard; yellov ID ; mostl	— — — — wish brown to the low to	— — — — wn; medium	S	-3 1° 32 50	2	82	83	96	21			100	71			M, UW,	PA	-
105.00	12 -									1														-
103.00	14 -								V/s	-4 1		46	94											- -
01.00	16				7					18	3		34								<u>}</u> - }			- - -
99.00	18 -																							- -
97.00	20 21		SANDY lea fine GRAVE to medium	n CLAY (CEL; some	CL); hard; fine to me	light brow	 wn; moist ND ; mos	t; trace	N ^S	-5 17 27	7	71	89	98	19						- } - }	M, UW		-
	22		Bottom of b			elow grour	nd surfac	ce.		44	+										113			-
	23 24 25																							-
AV	ΆΙ		CAPITAL	į.	PREPARE M. E	Bruning				F	Pitts		_	Te			_	-		nte	r	PRO	IECT NUI	
	11	5)	WSP USA 4755 East Suite 150 San Diego	M. Arza A Igate Mall	amendi					LC			B				IIIC	4				3140578 WSP-P	

LOGGE M. Br	uning	-	BEGIN D 10-3-2		COMPLET 10-3-23	ION DATE	BOREHO 61555	31.0 f	t / 219 3	3201.0	ft V	VGS		st and	d Dati	um)		V		ID P-PT(ACE ELE)		
Tabel DRILLIN			1				See Si		ın											Oft NAV		
Hollo	w-St	em A	uger				CME 5	55-300										4	.25-	inch 1.1) .	
			AND SIZE(S) Mod Cal (2				SPT HAN			amme	r 30	in dr	ор						MMI 0%		CIENCY, E	Ri
	IOLE E	BACKF	ILL AND COM				GROUNI READING	DWATI GS	ER DUF 14.				no	t en	RILLIN				1ATC 0.8		OF BORI	NG
ELEVATION (ft)	DEPTH (ft)	Material Graphics		DE	SCRIPTIC	N		Sample Location	Blows per 6 in.	Blows per foot	Recovery (%)	Dry Unit Weight (pcf)	Moisture Content (%)	Liquid Limit (%)	Plasticity Index (%)	Passing #4 (%)	Passing #200 (%)	Pocket Penetration (tsf)	Drilling Method	R	emarks	
109.00 107.00	1 2 3 4		SANDY fat C fine to mediu roots in uppe	CLAY (CH) Im SAND ; er 12".	; dark brow mostly higl	n; dry to moi n plasticity fi	st; some nes ;	S-														-
105.00	5 - 6 - 7 - 8		SANDY lean to medium S	CLAY (CL AND ; mos	.); hard; bro stly low to m	wn; moist; s nedium plast	ome fine ticity fines.	S	2 7 19 37	56	78		18							M		
99.00	9 - 10 - 11 - 12 -		Same as abo	ove.				S	3 12 38 50/4.5	88/11	100	108	16	43	23	100	65			M, UW, F	PA, PI	
97.00 95.00	13 — 14 — 15 — 16 —		Same as abo	ove.				V S-	4 19 36 49	85	67											
93.00	17 — 18 — 19 —																					
89.00	21 -		Same as abo		0.8 ft below	ground sur	face.	<u>M</u> s-	5 26 50/4"	50/4	90								ולען			
	24 -25																					+
AV	ΆΙ		CAPITAL	I	PREPARED I M. Brun CHECKED I M. Arzame	ing BY:			Pi	ttsbı	_	Te sbu			_	-		nter	٢	PROJI	ECT NUM 3140578	
	11	-	,	WSP USA 4755 Eastga Suite 150 San Diego,	ate Mall				L	.OG											WSP-P	TC-03

M. Br	ED BY runin		BEGIN 10-4	DATE - 23		COMPI 10-4 -	LETION - 23	DATE	BOREHO 615504				•			t and	l Datu	ım)			ILE VS	ID P-PT	C-04
DRILLIN Tabe			CTOR						BOREHO See Si			DESC	RIPT	ION								ACE ELEV	
DRILLIN	NG ME	THOD							DRILL RI	G												HOLE DIA	
	ER T	/PE(S)	AND SIZE(S						SPT HAN	/MER T										НА	MM		CIENCY, ERI
			Mod Cal (TION				Autom GROUNI							R DE	PILLIN	IG (D	ΔΤΕΙ		0 %		OF BORING
Ceme				71VII LL	11011				READING	3S		enco	ınteı	red	not		coun				6.5		OI BOILING
ELEVATION (ft)	рертн (ft)	Material Graphics			DES	SCRIP	TION			Sample Location Sample Number	Blows per 6 in.	Blows per foot	Recovery (%)	Dry Unit Weight (pcf)	Moisture Content (%)	Liquid Limit (%)	Prasticity Index (%)	Passing #4 (%)	Passing #200 (%)	Pocket Penetration (tsf)	Drilling Method	R	emarks
106.00	1 2		SANDY lea GRAVEL ; s medium pla	n CLA' some fi asticity	Y (CL); ne to c fines ;	; browr coarse roots i	n; dry to SAND ; n upper	moist; fer mostly lo 12".	w fine ow to	S-1											2		
04.00	4														4								
102.00	5 - 6 - 7 -		Stiff; brown	; moist;	; mostl	ly low p	olasticity	/ fines.		S-2	4 4 4	8	56		21		!	97 5	0		<i>{</i> }	M, PA	
00.00	8 -																				{ }		
98.00	10		Very stiff; d	ark bro	wn; m	ostly m	nedium p	plasticity t	fines.	S-3	3 5 10	15	72	112	23	49	26	6	6		}}	TxUU: Cell = 10 Max Dev. Su = 826	= 1653 psf
96.00	12																				\	Failure @ M, UW, F	2.76%
94.00	14 -				(O) II								100								<i>{</i>		
92.00	16		SANDY fat some fine to plasticity fir	o mediı	(CH); r um SA	mediur ND ; m	m stiff; b nostly m	edium to	nist; high	S-4	3 4	7	100								}		
00.00	18																				<i>{ { { { { { { { { {</i>		
	20		SANDY lea to medium	n CLA SAND	Y (CL); ; mosti	; hard; ly low t	brown; to mediu	moist; sol um plastic	me fine city fines.	S-5	12 19 16	35	100	97	27						{ }	M, UW	
	22 -																						
84.00	24 -																						
	-					(contin								_									
AV	A (O	APITAL	ž.		CHECK	Bruning				Pit	tsbı	_	Te sbu					en	iter	•	PROJ	ECT NUMBE 31405786.0
	11	5)	Suite	Eastgat 150						L	OG											WSP-PTC

LOGGE M. Br	uning		BEGIN 10-4-			COMPI 10-4 -		ON DA	ATE		5049	.0 ft	2193	299.0	ft \	WGS		ast ar	nd Da	itum))	'	W:			C-0		
DRILLIN Tabe			CTOR									e Loc Pla n	ATION	DESC	RIPT	ION										/ATIO /D88		
DRILLIN Hollo										DRILL		200													.E DI/	METI	ER	
SAMPL	ER TYI	PE(S)	AND SIZE(S) (ID)						SPT F	IAMN	IER T										Н	AMI	MER			Y, ERi	i
			Mod Cal (2 ILL AND CO		ION								Olb h				•	ED F	NDII I	INIC	/DAT		80%		DTU	OE D	ORING	
Ceme				WIPLEI	ION					READ	INGS	VAIER		enco					1COL			=)	36 .	5 ft	PIN	OF B	ORING	,
I (ft)												ation ber	Ŀ.	ot		ght		(%)		(%)	(%)	Sf)) z	2				
ELEVATION (ft)	оертн (ft)	Material Graphics			DES	SCRIP	NOIT	١				Sample Location Sample Number	Blows per 6 in.	Blows per foot	Recovery (%)	Dry Unit Wei	Moisture	Liquid Limit (Plasticity Index (%)	Passing #4 (%	Passing #200 (%)	Pocket Penetration (tsf)	Drilling Method		R	emar	ks	
82.00	26		SANDY lear fine to coars coarse SAN	n CLAY e, subi D ; mo	(CL) round stly m	; very s ed GR nedium	stiff; b AVEL plast	orown _ ; sor ticity f	; mois me fine fines.	t; trace e to		S-6	7 9 7	16	100			·						}				-
80.00	27 28																			•							,	-
78.00	29 30		 Lean CI AY	(CL): H	 nard·	– – –	mois	 t; few	fine to	. — — . o medii	um I	S-7	10	52	94									} 				+
76.00	31		Lean CLAY SAND ; mos	itly low	to me	edium p	plasti	city fi	nes.			X	20 32				-						-{	}				+
74.00	33 34																							<u>}</u>				+
74.00	35											S-8	13 24	58	100								-{					-
72.00	36		Bottom of bo	rehole	at 36	5 ft be	alow c	aroun	d eurf	200	/	<u> </u>	34										1	1				_
70.00	37 =		Bottom of Bo	7010	ut oc	,0 11 50	Sion §	giodii		uoo.																		
68.00	39 40																											+
66.00	41 -																											
	43																											+
64.00	44 -							•																				+
62.00	46					,																						+
60.00	48 -		V																									<u> </u>
	50		▼																									
AV	AIC		APITAL			REPARI M. E CHECKI M. Arza	Brunin ED BY	g /:					Pit	tsb	_		ech urg,			-		nte	r	ı	PROJ		NUMBE 15786.(
	11	-)	WSP t 4755 E Suite 1 San Di	astgat 50								L	OG	Ol	F B	OF	RIN	G							ws	P-PT (C-04

E. O'	ED BY Hara		BEGIN 10-2	N DATE 2-23		OMPLET 10-2-23	TION DATE		DLE LOC 76.0 ft /						and	Datum)		OLE NS	BP-PTC-	05
DRILLIN Tabe			CTOR					BOREHO See Si	DLE LOC		DESC	RIPT	ION							ACE ELEVAT Oft NAVD8	
DRILLIN	NG ME	THOD						DRILL RI	G											HOLE DIAME	TER
SAMPL	ER TY	PE(S)	AND SIZE(SPT HAN	MER TY									HA	AMM	IER EFFICIEN	ICY, ERi
			Mod Cal		ΓΙΟΝ			GROUNI	natic 14 DWATER						RDRI	LLING	(DAT		0% OTA	L DEPTH OF	BORING
Ceme	ent g	rout r	nix					READING	GS		encou	ınter	red	not		ounte	red		1.5	ft	
ELEVATION (ft)	DEPTH (ft)	Material Graphics			DESC	CRIPTIC	DN		Sample Location Sample Number	Blows per 6 in.	Blows per foot	Recovery (%)	Dry Unit Weight (pcf)	Moisture Content (%)	Liquid Limit (%) Plasticity	Index (%) Passing #4 (%)	Passing #200 (%)	Pocket Penetration (tsf)	Drilling Method	Rem	arks
109.00	1 2		SANDY lea GRAVEL ; medium pl	some fi	nè to m	edium S	ry to moist; 1 AND ; mostl pper 12".	trace fine y low to	S-1											pH = 7.1 Resistivity = ohm-cm Sulfates = 6 Chlorides =	77 ppm
107.00	4 -		Moist.						\/ S-2	11	79	89		15						М	
105.00	6 7									32 47											
03.00	8 -																				
01.00	10		Hard; som fines ; 1/4"	e fine to calciun	coarse n vein th	SAND ; hrough s	mostly low pample (subv	olasticity vertical).	S-3	22 36 46	82	78	104	16		100	58			Direct Shear phi' = 32 deg c' = 600 psf M, UW, PA	I
99.00	12 - 13 - 14 -																				
95.00	15 -		Very stiff; I	ight bro	wn; son	ne fine S	AND.		S-4	7 12 11	23	72									
93.00	17 -								/ \	11											
91.00	19 -		CLAYEY S	SAND (S	 6C); den ND ; so	 nse; light ome low	brown; mois	======================================	S-5	13 19	46	72	99	13						M, UW	
39.00	21 - 22 - 23 -								/\	27											
37.00	24 -					oontin	<i>4</i> 1														
		300 F			•	continued EPARED				D:4	to b	ırc	т.	ماء،	ء اے	.~	<u></u>	nt a			
AV	A (APITAL		CI	M. Brur HECKED M. Arzame	ning BY:			PI	tsbu	_				ogy Torni		nte	ľ		Γ NUMBEF 405786.00
	11	-)	Suite '	USA Eastgate	Mall				L	OG	OF	В	ORI	NG	;					/SP-PTC

LOGGI E. O'			BEGIN DATE COMPLETION 10-2-23 10-2-23		OLE LOC 276.0 ft /						and Da	atum)		V		P-PTC-0	
DRILLI Tabe	NG CO r Drill		ACTOR	I	OLE LOC		DESC	RIPTI	ON							CE ELEVATION (CE	
DRILLI	NG ME			DRILL R	IG 55-300											IOLE DIAMET	ER
SAMPL	ER TY	PE(S)	AND SIZE(S) (ID) Mod Cal (2.5")	SPT HA	MMER TY		mmo	r 3Ni	n dro	'n					AMME 80%	R EFFICIENC	CY, ERi
BORE	OLE B	ACKF	FILL AND COMPLETION		DWATER	R DUR	ING DF	RILLIN	IG A	- FTER				E) TO	TAL	DEPTH OF E	BORING
-	ent gr	out r	nix	KLADIN			encou				enco	ınter			1.51	π	
ELEVATION (ft)	DEPTH (ft)	Material Graphics	DESCRIPTION		Sample Location Sample Number	Blows per 6 in.	Blows per foot	Recovery (%)	Dry Unit Weight (pcf)	Content (%)	Plasticity	Passing #4 (%)	Passing #200 (%)	Pocket Penetration (tsf)	Drilling Method	Rema	rks
85.00	26		SANDY lean CLAY (CL); very stiff; brow fine to medium SAND; mostly low plast	vn; moist; some ticity fines.	S-6	7 9 10	19	56									-
83.00	27 - 28 - 29 -																+
81.00	30 31		Hard; light brown; moist; few fine to coa GRAVEL; some fine to coarse SAND; medium plasticity fines; trace cobble (3	arse, rounded mostly low to 3-4").	S-7	14 22 36	58	72									+
79.00	32 33																
77.00	34		Some fine SAND, homogeneous.		\/S-8	10	31	100									+
75.00	36					12 19											-
73.00	38																-
71.00	40 41		Brown; trace fine GRAVEL.		S-9	16 28 40	68	150							-{}		-
69.00	42		Bottom of borehole at 41.5 ft below grou	und surface.	-				•	·							
	43																+
67.00	44																+
65.00	45 46																† †
63.00	48																+
	49 50																<u>+</u>
AV	ΆIC		PREPARED BY: M. Bruning CAPITAL CHECKED BY: M. Arzamendi			Pit	tsbu	_	Ted		-			ntei	r	PROJECT 314	NUMBER: 05786.002
	11	5	WSP USA 4755 Eastgate Mall Suite 150 San Diego, CA 92121			L	OG	OF	ВС	PRII	NG					ws	SP-PTC-05

E. O' l	ED BY Hara		BEGIN 10-2 -			MPLETION - 2-23	N DATE	BOREHO 615543							t and	Datur	1)		OLE NS	D SP-PTC	;-06
DRILLIN Tabe			CTOR					BOREHO See Sit			DESC	RIPT	ION							ACE ELEVA	
DRILLIN	NG ME	THOD						DRILL RI	G									В	ORE	HOLE DIAN	1ETER
Hollo SAMPL			uger AND SIZE(S	S) (ID)				SPT HAM		/PE										i-inch I.D MER EFFICII	
Bulk,	SPT	(2"),	Mod Cal (2.5")				Autom	atic 14	Olb ha								8	80%	,)	,
Ceme			TILL AND CO	MPLETI	ION			GROUNE READING	SS		ING DF enco l	ınteı	red	not		ount			1.5	L DEPTH C	F BORING
ELEVATION (ft)	'DЕРТН (ft)	Material Graphics			DESCR	IPTION			Sample Location Sample Number	Blows per 6 in.	Blows per foot	Recovery (%)	Dry Unit Weight (pcf)	Moisture Content (%)	Liquid Limit (%)	Index (%)	Passing #200 (%)	Pocket Penetration (tsf)	Drilling Method	Re	marks
107.00	1 2 3		SANDY lea to medium in upper 12	Sand;	(CL); bro mostly m	own; dry to edium pla	o moist; so asticity fine	ome fine es ; roots	S-1											pH = 6.8 Resistivity ohm-cm Sulfates = Chlorides	424 ppm
105.00	4 5		Hard; moist						//S-2	16	62	89		14						M	
03.00	6 7		,							30 32											
01.00	8 9																				
9.00	10		Few fine GF low plasticit	RAVEL; y fines.	some fin	e to coars	se SAND ;	mostly	S-3	13 33 46	79	83	102	15		9:	9 59			M, UW, PA	
95.00	12 13 14																				
3.00	15		Yellowish b	rown; so	ome fine t	to medium	n SAND.		S-4	8 12 14	26	94									
1.00	18																				
	20 21		Brown; mos	tly low t	o mediun	n plasticity	y fines.		S-5	15 25 47	72	78	110	18					}	M, UW	
	22																				
35.00	24																				
	-Z5 				(con	ntinued)															
AV	Άl(C	APITAL		CHE	ARED BY: M. Bruning CKED BY: Arzamendi				Pit		_				ogy forn		ente	r		CT NUMBE 31405786.0
	11	5)	Suite 15	SA astgate Ma	all				L	OG										WSP-PTC

LOGGE E. O'	Hara		BEGIN 10-2-			MPLET 0-2-23		DATE		5435	.0 ft	/ 2193	3351.0	ft \	NGS		st an	d Da	tum)		1	NS		PTC-		
DRILLIN Tabe			CTOR						BORE See			Cation n	N DESC	RIPT	ION									ELEVAT NAVD 8		
DRILLIN Hollo	NG ME	THOD							DRILL CME		200													DIAME 1.D.	TER	
SAMPL	ER TY	PE(S)	AND SIZE(S						SPT H	AMM	ER T										H	٩M١	MER E		NCY, ER	li
			Mod Cal (2 TILL AND CO	-	ON							40lb h R DUF				•	R D	RILL	ING ((DAT		3 0 %		PTH OF	BORING	G
Cem									READ	INGS			enco		red	no	t en	cou		•			5 ft		2011	
ELEVATION (ft)	БЕРТН (ft)	Material Graphics			DESC	RIPTIC	ON			-	Sample Location Sample Number	Blows per 6 in.	Blows per foot	Recovery (%)	Dry Unit Weight	Moisture Content (%)	Liquid Limit (%)	Plasticity Index (%)	Passing #4 (%)	Passing #200 (%)	Pocket Penetration (tsf)	Drilling Method		Rem	arks	
83.00	26		Some fine to homogeneo SANDY lear	us.			•	plasticit	ty fines		S-6	7 11 19	30	83							>4.5					+
81.00	27 -																									+
79.00	30		Lean CLAY	 with SA fine to c	ND (CL	 _); hard GRAVF	l; yellov	 wish broes	own;		S-7	7 12 29	79/11	76							4-4.5					+
77.00	31 -		mostly low to	o mediu	m plast	ticity fin	nes ; ho	omoger	neous.			50/5"										-{} -{} -{}				+
75.00	33 -																									+
73.00	35 -		SILTY SANI mostly fine t	D (SM); to mediu	dense; ım SAN	yellowi ID ; sor	ish bro me non	own; mo	oist; fines.		S-8	3 15 20 21	41	100												+
71.00	37 -												,													<u> </u>
69.00	39 — 40 — 41 —		Very dense;								S-9	27	73	72								-{				
67.00	42 43		Lean CLAY moist; some fines; homo Bottom of bo	e fine to o ogeneou	coarse (s.	SAND	; mostl	y low p	lasticity	<u></u>		46									4.0	<u> </u>				
65.00	44 -																									
63.00	46 -																									+
61.00	48 -		V																							+
	-50		*																							
AV	ΆΙ		CAPITAL		CHI	PARED M. Brur ECKED	ning BY:					Pi	ttsb	_	- sbu			_	-		nte	r	PF		T NUMB	
	11	5)	WSP US 4755 Ea Suite 15 San Die	SA astgate M		endi					L	.OG							~				v	405786. VSP-PT	C-06

LOGGE M. B	ED BY runin		BEGIN 10-5-		COMF 10-	PLETION DAT 5-23	I		E LOC 3.0 ft /			•			t and	d Datu	ım)			VS	BP-PTC-07
DRILLII Tabe			CTOR						E LOC e Pla n		DESC	RIPT	ION								ACE ELEVATION Oft NAVD88
DRILLII		ETHOD						ILL RIG													HOLE DIAMETER
SAMPL	ER T	YPE(S)	AND SIZE(S				SP	Г НАМ	MER TY										НА	MM	IER EFFICIENCY, ERI
BOREH	HOLE	BACKF	Mod Cal (2 ILL AND CO		ON		GR	OUND	MATER						R DF	RILLIN	NG (D	ATE	E) TO		L DEPTH OF BORING
_	ent g	rout r	nix				REA	ADING		not	encou					cour	ntere	$\overline{}$		6.5	ft
ELEVATION (ft)	² DEРТН (ft)	Material Graphics			DESCRII	PTION			Sample Location Sample Number	Blows per 6 in.	Blows per foot	Recovery (%)	Dry Unit Weight (pcf)	Moisture Content (%)	Liquid Limit (%)	Plasticity Index (%)	Passing #4 (%)	Passing #200 (%)	Pocket Penetration (tsf)	Drilling Method	Remarks
104.00	1 - 2 - 3 - 4		SANDY lear to medium S ; roots in up	SAND ; r	mostly low	vn; dry to moi v to medium p	ist; some olasticity f	fine fines	S-1											ΙИΙ	Thermal Resistivity: Wet = 75 C-cm/W Dry = 437 C-cm/W Modified Proctor: MDD = 115.9 pcf OMC = 11.0% Organics = 6.1%
00.00	5 - 6 - 7 -		Stiff; brown;	moist; n	mostly me	dium plasticit	ty fines.		S-2	3 5 8	13	56		16			94 5	59			M, PA
98.00	8 - 9 - 10 -		Hard.						S-3	7 23	64	78	118	15	40	26	5	59	>4.5		TxUU: Cell = 1000 psf
94.00	11 - 12 - 13 - 14 -		naid.							41									74.0)	Max Dev. = 18850 psf Su = 9425 psf Failure @ 4.07% M, UW, PA, PI
90.00	15 - 16 - 17 -		SILTY SANI fine to coars	D (SM); se SAND	dense; gr ; some lo	ayish brown; w plasticity fi	moist; meines.	ostly	S-4	10 20 24	44	100									
88.00 66.00	18 - 19 - 20 -						>		S-5		55	94	110	20			5	59			M, UW, PA
4.00	21 - 22 - 23 -		SANDY lear to medium \$	n CLAY (SAND ; r	(CL); hard mostly low	l; brown; mois to medium p	st; some plasticity t	fine fines.	X	24 31									>4.5		
32.00	24																				
	-∠5 				(conti	inued)															
AV	A	O	APITAL		M. CHEC	RED BY: Bruning KED BY: zamendi				Pit	tsbu	_	Te sbu				-	er	nter	•	PROJECT NUMBE 31405786.00
	11	-)	Suite 15	SA astgate Mall					L	OG										WSP-PTC

M. B	uning		BEGIN 10-5 -			MPLE 0-5-2 3		DATE	615	5053	.0 ft	ATION / 2193	480.0	ft \	WGS		st an	d Dat	tum)		1		SP-		C-07	
DRILLIN Tabe			CTOR						_		E LOC Plar	ATION	DESC	RIPT	ION						- 1			elev NAV	ATION D88	
DRILLI	NG ME	THOD							DRILL	RIG											В	ORE	EHOL		METER	?
Hollo SAMPL			uger AND SIZE(S	S) (ID)					SPT F	E 55 -		YPE													IENCY,	ERi
Bulk,	SPT	(2"),	Mod Cal (2.5")	1011				l			Olb h				-		5		(D.A.T	8	30%	6			
Cem			ILL AND CO nix	MPLEII	ION				READ	INGS	VAIE	R DUR	ING DI enco l					KILLI I COU					AL DE 5 ft	PIH	OF BOR	RING
(ft)											tion ber	c.	Ħ		ght		(%)		()	(%)	- Fig	۵ ,	,			
ELEVATION (ft)	рертн (ft)	Material Graphics			DESC	RIPTIO	NC				Sample Location Sample Number	Blows per 6 in.	Blows per foot	Recovery (%)	Dry Unit Wei	Moisture Content (%)	Liquid Limit ("	Plasticity Index (%)	Passing #4 (%)	Passing #200 (%)	Pocket Penetration (tsf)	Drilling Method	0	Re	emarks	i
80.00	26	//	Lean CLAY medium SA	(CL); ha	ard; bro ostly low	wn; mo v to me	oist; tra dium p	ce fine plasticit	to y fines.		S-6	6 10 20	30	100							>4.5					
78.00	27]{ {				
. 3.30	29												(<u> </u>			
76.00	30	/ / !	SANDY lear to medium S		-			-	-		S-7	13 45 50/5"	95/11	100									} }			
74.00	32		Lean CLAY coarse SAN	ID ; mos	stly low	plastici	ty fines	S.]{ 	} }			
72.00	34																									
70.00	35 -		Brown; few medium pla	fine to masticity fire	nedium nes.	SAND	; most	tly low t	to		S-8	11 17 23	40	100							>4.5) }			
	37	7 71	Bottom of b	orehole	at 36.5	ft belov	w grou	nd surf	ace.		1		•		'	-	•		•							
68.00	38 -																									
66.00	40											,														
64.00	41 -																									
	43																									,
62.00	44 -						*																			
60.00	46				7																					,
58.00	48				7																					,
	49 -																									
AV	<u>′</u> ΔΙ′) 0	APITAL		PRE	PARED M. Brui						Pi	tsb	urg	ι Τε	ech	no	log	y (Ce	nte	r				
/\V.		ر ار		WSP U	M	ECKED . Arzame								Pitt	sbu	ırg,	Ca	lifor	nia	3			F			MBER: 786.002
	11	1)	4755 Ea Suite 15	astgate N							L	OG	OF	= B	OR	RIN	G —								- PTC-0 T 2 of

LOGGE M. B			BEGIN 10-4-			MPLETION -4-23	N DATE	BOREHO 615523							and	Datum)		OLE NS	D P-PT	C-08
DRILLII Tabe			CTOR					BOREHO See Sit			DESC	RIPT	ION							ACE ELEV	
DRILLII	NG M	_						DRILL RIC	<u> </u>									ВС	DRE	HOLE DIA	METER
SAMPL	ER T	YPE(S)	AND SIZE(S					SPT HAM	IMER T									HA	MM	IER EFFIC	IENCY, ERI
			Mod Cal (2 FILL AND CO	-	ON			Autom GROUNE) DR	ILLING	(ΠΔΤ		0 %		OF BORING
		rout r		IVIFLETI	ON			READING	SS		encou	ınter	red	not		ounte			6.5		JF BORING
ELEVATION (ft)	оертн (#)	Material Graphics			DESCR	RIPTION			Sample Location Sample Number	Blows per 6 in.	Blows per foot	Recovery (%)	Dry Unit Weight (pcf)	Moisture Content (%)	Liquid Limit (%) Plasticity	Index (%) Passing #4 (%)	Passing #200 (%)	Pocket Penetration (tsf)	Drilling Method	Re	emarks
97.00 95.00	1 - 2 - 3 - 4		SANDY lear GRAVEL; s medium pla	ome fine	è to coar	se SAND	: mostly lo	ace fine ow to	S-1												
93.00	5 - 6 - 7 - 8		Medium stif medium pla	f; moist; sticity fir	some fir nes.	ne to medi	ium SAND	; mostly	S-2	3 3 4	7	39		14						М	
9.00 87.00	9 - 10 - 11 - 12 -		SANDY fat of fine to medi	CLAY (C um SAN	CH); hard ID ; mos	d; dark brottly high pl	own; moist asticity fin	; little es.	S-3	7 11 20	31	72	106	21	54 3	38	68	3.75		M, UW, F	A, PI
3.00	13 - 14 - 15 - 16 -		Hard; browr medium to h	n; some	fine to m	nedium SA	AND ; most	tly	V 54	7	15	89						>4.5			
1.00	17 - 18 - 19 -								V \	8											
7.00	21 - 22 - 23 -		SANDY lear to medium S	n CLAY SAND ; r	(CL); ha mostly m	rd; brown; nedium pla	; moist; so asticity fine	me fine es.	S-5	15 30 50/5.5'	80/12	74	111	18						M, UW	
5.00	24 -				(cor	ntinued)															
ΑV	<u>A</u> (CAPITAL		CHE	ARED BY: M. Bruning CKED BY: Arzamendi				Pit	tsbı ı	_				ogy forni		nte	r	PROJI	ECT NUMBE 31405786.0
	11	5)	Suite 15	SA astgate Ma	all				L	OG										WSP-PTC

M. B	ED BY Brunin	g	10	GIN DA)-4-23			OMPI 10-4 -		N DATE	61	15523	9.0 ft	ATION / 2193	493.0	ft V	VGS		st and	l Dati	um)		V		P-P	ΓC-(
	ING CC er Dril		CTOR									LE LOC e Pla r	CATION 1	DESC	RIPT	ION									EVATI /D88	ON
	ING ME										ILL RIG													OLE D	DIAMET	ΓER
			AND SIZ	E(S) (ID)							MER T	YPE													CY, ERi
Bulk	, SPT	(2"),	Mod Ca	al (2.	5")								10lb h				•						0%			
	nole i nent g		TILL AND mix	COM	'LE I I	ON					ADING		R DUR not	encol					COUR			=) 1C 2	6.5 f	t T	H OF I	BORING
ELEVATION (ft)	обрати (ft)	Material Graphics				DES	CRIP	TION		·		Sample Location Sample Number	Blows per 6 in.	Blows per foot	Recovery (%)	Dry Unit Weight (pcf)	Moisture Content (%)	Liquid Limit (%)	Plasticity Index (%)	Passing #4 (%)	Passing #200 (%)	Pocket Penetration (tsf)	Drilling Method		Rema	ırks
3.00	26		Very stif mostly le SANDY									S-6	8 11 13	24	11											
1.00	27 -		Bottom	of bore	ehole	at 26.	5 ft be	g wok	round s	urface.																
9.00	29 -																									
	31																									
7.00	32 -																									
5.00	34 -										1															
3.00	36											T														
1.00	38 -																									
9.00	40 -												7													
7.00	42																									
5.00	43 -																									
3.00	45																									
1.00	47																									
	49																									
۸۱	/AI(710	CAPITA	AI		PR		ED BY: Bruning					Pi	tsbu	urg	Te	ch	nol	og	y C	 Cer	nter	-			
$\neg \lor$	MIC	7		134				ED BY:							Pitts	sbu	ra, (Cal	ifor	nia				PRC		NUMBE 05786.0
	11	6			VSP U		M. Arza	amend						OG												SP-PTC

0.00 4	LOGGED BY E. O'Hara	BEGIN DATE COMPLETION DA 10-2-23 10-2-23	6155383.0 ft						nd Da	tum)			NS	SP-PTC-09
DRILING WETHOD DRILING		ACTOR			DESCI	RIPTI	ON							
SAMPLE TYPE DAMO SIZE DEBUG DE	DRILLING METHO													
	SAMPLER TYPE(S	s) AND SIZE(S) (ID)	SPT HAMMER TY									HA	MM	ER EFFICIENCY, ERI
Camera C		<u> </u>						•	DRILL	ING (DAT			
SILTY SAND (SM); graysh brown dry to mast mostly fine to coarse SAND; some nonplastic fines; roots in line to coarse SAND; some nonplastic fines; roots in line to coarse SAND; some nonplastic fines; roots in line to coarse SAND; some nonplastic fines; roots in line to coarse SAND; some nonplastic fines; roots in line to coarse SAND; some low plasticity fines. CLAYEY SAND (SC); dense; brown; moist; mostly fine to SAND; some low plasticity fines. S2	Cement grout		READINGS			inter	ed	not e						
SILTY SAND (SM); graysh brown dry to mast mostly fine to coarse SAND; some nonplastic fines; roots in line to coarse SAND; some nonplastic fines; roots in line to coarse SAND; some nonplastic fines; roots in line to coarse SAND; some nonplastic fines; roots in line to coarse SAND; some nonplastic fines; roots in line to coarse SAND; some low plasticity fines. CLAYEY SAND (SC); dense; brown; moist; mostly fine to SAND; some low plasticity fines. S2	NO E	DESCRIPTION -	Sample Location Sample Number	Blows per 6 in.	Blows per foot	Recovery (%)	Dry Unit Weight (pcf)	Content (%) Liquid Limit (%)	Plasticity Index (%)	Passing #4 (%)	Passing #200 (%)	Pocket Penetration (tsf)	Drilling Method	Remarks
SAND	102.00 2 - 3	SILTY SAND (SM); grayish brown; dry to fine to coarse SAND; some nonplastic fine	moist; mostly es ; roots in							>			}	Wet = 92 C-cm/W Dry = 330 C-cm/W Modified Proctor: MDD = 109.1 pcf OMC = 13.7%
SILTY SAND (SM); dense: gray, moist, mostly fine to medium SAND; some nonplastic fines. S-3	98.00 6	CLAYEY SAND (SC); dense; brown; mois SAND; some low plasticity fines.	t; mostly fine	22	46	89		17						М
22.00 12 11 13 13 14 15 15 15 15 16 16 17 17 18 18 18 18 18 18	9	SILTY SAND (SM); dense; gray; moist; m	ostly fine to S-3		48	83	97	14		96	20			M, UW, PA
Second 16	92.00 12 - 13 - 13 - 13 - 13 - 13 - 13 - 13 -	medium SAND; some nonplastic fines.												
Dense; trace fine, rounded GRAVEL. S-5 12 40 100 95 14	38.00 16	Medium dense.	S-4	10	18	89								
24 32.00 22 33.00 24 Continued) PREPARED BY: M. Bruning CHECKED BY: M. Arzamendi WSP USA 4755 Eastgate Mall Suite 150 WSP-PTC	19	Dense; trace fine, rounded GRAVEL.	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		40	100	95	14						M, UW
(continued) PREPARED BY: M. Bruning CHECKED BY: M. Arzamendi WSP USA 4755 Eastgate Mall Suite 150 Continued) PREPARED BY: M. Bruning CHECKED BY: M. Arzamendi PROJECT NUMBE 31405786.0 WSP-PTO	32.00 22		A											
PREPARED BY: M. Bruning CHECKED BY: M. Arzamendi WSP USA 4755 Eastgate Mall Suite 150 Pittsburg Technology Center PROJECT NUMBE 31405786.0 WSP-PTO	80.00 24													
M. Bruning CHECKED BY: M. Arzamendi WSP USA 4755 Eastgate Mall Suite 150 M. Bruning CHECKED BY: M. Arzamendi PROJECT NUMBE 31405786.0 WSP-PTO	25	(continued)						_		_			13.1	<u> </u>
WSP USA 4755 Eastgate Mall Suite 150 LOG OF BORING WSP-PTC	AVAIO	CAPITAL M. Bruning CHECKED BY:		Pit		_			_			nter	-	PROJECT NUMBE
in the second of	115	M. Arzamendi WSP USA 4755 Eastgate Mall Suite 150		L						ııııa	I			31405786.00 WSP-PTC

LOGGE E. O'			BEGIN DATE COMPLETIO 10-2-23 10-2-23		REHOLE LOC 155383.0 ft /					and Da	atum)			EID SP-P	 ГС-09	
DRILLII Tabe	NG COI r Drill i		CTOR	I	REHOLE LOC ee Site Plan		DESCRIF	PTION						FACE ELI		
DRILLII	NG MET				LL RIG ME 55-300									REHOLE D	DIAMETER	
SAMPL	ER TYF	PE(S)	AND SIZE(S) (ID)	SP1	Γ HAMMER Τ			ماد ماد					HAN	MER EFF	ICIENCY, E	Ri
BORE	OLE B	ACKF	Mod Cal (2.5") ILL AND COMPLETION	GR	utomatic 14 OUNDWATER ADINGS	R DUR	ING DRILI	LING	AFTEF					AL DEPT	H OF BORIN	1G
	ent gr	out r	nix	REA		not	encount			encou				.5 ft		
ELEVATION (ft)	25 DEPTH (ft)	Material Graphics	DESCRIPTION		Sample Location Sample Number	Blows per 6 in.	Blows per foot	Dry Unit Weigh	Moisture Content (%)	Liquid Limit (%) Plasticity	Passing #4 (%)	Passing #200 (%) Pocket	Penetration (tsf)	Drilling Method	Remarks	
78.00	26 -		SILTY SAND (SM); very dense; yello mostly fine to medium SAND; some	wish brown; monplastic fine	oist; S-6	21 20 32	52 8	3								+
76.00	28 -												(+
74.00	30		SANDY lean CLAY (CL); hard; yellov some fine to medium SAND; mostly homogeneous.		ist; nes ;	13 30 50/5"	80/11 5	3				>4	1.5			+
72.00	32 -		Bottom of borehole at 31.5 ft below g	round surface.							>					+
70.00	34 -									•						+
68.00	36 -															+
66.00	38 -															+
64.00	40 -															+
62.00	42 -															
60.00	44 45															+
58.00	46 47															+
56.00	48 -															+
	50		•													
AV	ΆIC		PREPARED BY M. Bruning CHECKED BY: M. Arzamend) :		Pit	tsbur Pi	g Te			-	Cent	er	PRC	DJECT NUM 31405786	
	11	-	WSP USA 4755 Eastgate Mall Suite 150 San Diego, CA 92121			L	og o								WSP-P	TC-09

M. Br	D BY unin (BEGIN 10-4	DATE - 23		MPLETIC 0-4-23	N DATE	BOREHO 615498				•			and	Datum)		NS	SP-PTC-10
DRILLIN Tabe			CTOR					BOREHO See Si			DESC	RIPT	ION					- 1		ACE ELEVATION 0 ft NAVD88
DRILLIN Hollo	NG ME	THOD						DRILL RI	G											HOLE DIAMETER
SAMPL	ER TY	PE(S)	AND SIZE(S					SPT HAN	MER T									HA	AMN	MER EFFICIENCY, ERI
			Mod Cal (ION			Autom GROUNI							RDR	LLING	(DAT		0 %	L DEPTH OF BORING
Ceme								READING	3S		encou	ınteı	red	not		ounte	red		6.5	
ELEVATION (ft)	рертн (ft)	Material Graphics			DESC	RIPTION	ı		Sample Location Sample Number	Blows per 6 in.	Blows per foot	Recovery (%)	Dry Unit Weight (pcf)	Moisture Content (%)	Liquid Limit (%) Plasticity	Index (%) Passing #4 (%)	Passing #200 (%)	Pocket Penetration (tsf)	Drilling Method	Remarks
103.00	1 2 3		SANDY lea GRAVEL ; s medium pla	n CLAY some fir asticity fi	(CL); b ne to me ines ; ro	rown; dry dium SAN ots in upp	to moist; ti ND ; mostly er 12".	race fine / low to	S-1										?	pH = 7.3 Resistivity = 938 ohm-cm Sulfates = 386 ppm Chlorides = 63 ppm
99.00	4 - 5 - 6 - 7 -		Hard; dark	brown; ı	moist; m	nostly med	lium plasti	city fines.	S-2	2 2 3	5	56		20				>4.5		М
97.00 95.00	8 - 9 - 10 -		- brown; mo	ostly low	√to med	ium plasti	citv fines.		\(\s\)-3	9	66	78	102	22	39 2	21	70	4.5		TxUU:
93.00	11 — 12 — 13 — 14 —								X	27 39										Cell = 1000 psf Max Dev. = 8881 psf Su = 4440 psf Failure @ 4.25% M, UW, PA, PI
89.00	15 — 16 — 17 —		Very stiff.						S-4	10 15 13	28	100						3.0		
	18 - 19 - 20 -								S-5	14 24	68	89	102	15						M, UW
33.00	21 - 22 - 23 -								<u> </u>	44										
81.00	24																			
	-25 -'				(co	ontinued)										•		-		
AV	ΆΙ		APITAL	į.	СН	PARED BY M. Bruning	e :			Pit	tsbı	_				ogy forni		nte	ſ	PROJECT NUMBE 31405786.0
	11	5)	Suite 1	JSA Eastgate N					L	OG									WSP-PTC

	runing	•	BEGIN 10-4-		COMF 10- 4		N DATE	61549	OLE LOC 987.0 ft	2193	681.0	ft V	VGS		st and	l Dati	um)		\		P-P1			
DRILLI Tab e	NG CO e r Drill		CTOR					1	OLE LOC Site Plar		DESC	RIPTI	ION								CE ELE Oft NA			
DRILLI	NG ME							DRILL F	RIG 55-300												HOLE D		ER	
SAMPL	ER TY	PE(S)	AND SIZE(S					SPT HA	MMER T			au:	in du						HA		ER EFF		Y, ERi	
BORE	HOLE E	BACKE	Mod Cal (2 ILL AND CO		ON			GROUN	natic 14	R DUR	ING DE	RILLIN	NG A	AFTE					E) TO	OTAL	DEPTI	H OF B	ORING	
	ent gr	out r	nix					READIN		not	encou					cour		\overline{a}		6.5	ft			$\overline{}$
ELEVATION (ft)	^л DЕРТН (ft)	Material Graphics			DESCRII				Sample Location Sample Number	Blows per 6 in.	Blows per foot	Recovery (%)	Dry Unit Weight (pcf)	Moisture Content (%)	Liquid Limit (%)	Plasticity Index (%)	Passing #4 (%)	Passing #200 (%)	Pocket Penetration (tsf)	Drilling Method		Remar	ks	
79.00	26		SANDY lear to coarse SA	n CLAY (AND ; mo	CL); hard ostly low t	; brown; o mediu	; moist; s m plastic	ome fine city fines.	S-6	11 13 21	34	89												1
77.00	27 28 29														4					}			•	+ + + + + + + + + + + + + + + + + + + +
75.00	30								S-7	19 44 50/3"	94/9	100	1											+
73.00	32 -																							+
71.00	34 -		SANDY fat (CLAY (C	— — — - H); hard;	grayish	 brown; m	noist;	S-8		46	100			>				>4.5	{ - }				+
69.00	36		SANDY fat 0 trace fine, si SAND; mos		_					23 23														+
67.00	38																							+
65.00	40									,														+
63.00	41 -																							
61.00	43 -																							+
59.00	45 46																							
57.00	47																							<u>+</u>
57.00	49 -50																							
ΑV	ΆlC		CAPITAL			Bruning				Pit	tsbu	_					-		nte	r	PRO	JECT !	NUMBEI	R·
and N	11	5)	Suite 150	M. Ar SA stgate Mall)					L	og		sbur B(nıa					3140	5786.00 SP-PTC	02
				San Dieg	jo, CA 921	21																SHI	EET 2 c	of 2

M. Bı		g	BEGIN 10-4-			MPLETION -4-23	N DATE	BOREHO 615518				•			and	Datum)		OLE NS	D P-PT	C-11
DRILLIN Tabe			CTOR					BOREHO See Si			DESC	RIPT	ION							ACE ELEV	
DRILLI	NG ME	THOD						DRILL RI												HOLE DIA	
SAMPL	ER TY	/PE(S)	AND SIZE(S					SPT HAM	MER T									H/	AMM	IER EFFIC	IENCY, ERI
			Mod Cal (2 ILL AND CO		ON			Autom GROUNE	WATER						RDRI	LLING	(DAT		0% OTAI		OF BORING
	ent g	rout r	nix					READING		not	encou				enc	ounte		2	6.5	ft	
ELEVATION (ft)	оертн (ft)	Material Graphics			DESCR	RIPTION			Sample Location Sample Number	Blows per 6 in.	Blows per foot	Recovery (%)	Dry Unit Weight (pcf)	Moisture Content (%)	Liquid Limit (%) Plasticity	Index (%) Passing #4 (%)	Passing #200 (%)	Pocket Penetration (tsf)	Drilling Method	Re	emarks
89.00	1 2		SANDY lear to medium \$; roots in up	SAND ; i	mostly lo	own; dry to w to medi	o moist; so ium plastic	ome fine ity fines	S-1						4						
37.00	5		Soft; moist;	mostly r	medium լ	olasticity f	ines.		S-2	1	9	56		15	4				}	М	
35.00	6 -									5				1							
3.00	8 -																				
1.00	10 -		SANDY fat (fine to coars	 CLAY (C se SAND	CH); hard CH); mostly	d; dark bro high plas	— — — — wn; moist; sticity fines	; little	S-3	7 13 21	34	61	100	22	57 4	10	68	>4.5	48 H	Su = 3993	= 7986 psf 3 psf
9.00	12																			Failure @ M, UW, P	: 3.48% A, PI
7.00	14 -		Very stiff.						\\\ S-4	4 7	18	89			+			3.75			
5.00	16									11											
3.00	18 -																				
1.00	20 -		SILTY SANI coarse GRA low to medic	D (SM); NEL ; m um plast	dense; b nostly fine ticity fine	orown; mo e to coarse s.	 ist; little fir e SAND ; s	 ne to some	S-5	15 21 24	45	94		10						М	
9.00	22 -																				
67.00	24 -				loca	ntinued)															
AV	ΆΙ		CAPITAL		PREP.	ARED BY: M. Bruning CKED BY:				Pit	tsbı	_				ogy fornia		ntei	r	PROJE	ECT NUMBE 31405786.00
	11	5)	Suite 15	SA astgate Ma					L	OG										WSP-PTC

RILLING CONTRACTOR Soe Site Plan Soe Site Plan DRILLING CAME 55-300 DRILLING CAME 55-300 SPT HAMMER TYPE Automatic 140lb hammer 30in drop Automatic 140lb hammer 30in drop Automatic 140lb hammer 30in drop SOM CAME TEFFCIENCY, ERI Automatic 140lb hammer 30in drop SOM CAME TEFFCIENCY, ERI SOM DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION SOM DESCRIPTION DESCRIPTION SOM DESCRIPTION SOM DESCRIPTION SOM DESCRIPTION SOM SOM SOM SOM SOM SOM SOM S	GGED BY BEGIN DATE COMPLETION DA Bruning 10-4-23 10-4-23	TE BOREHOLE LOCATIO 6155186.0 ft / 219			HOLE ID WSP-PTC-11
RELIANS METHOD HOROW-Stem Augur AMPLER TYPE(S) AND 32E(S) (ID) SEMENS, STY (27), MOG Call (2.5") AMERICAN TYPE(S) AND 32E(S) (ID) SEMENS, STY (27), MOG Call (2.5") AMERICAN TYPE(S) AND 32E(S) (ID) SEMENS, STY (27), MOG Call (2.5") AMERICAN TYPE(S) AND 32E(S) (ID) SEMENS, STY (27), MOG Call (2.5") AMERICAN TYPE(S) AND 32E(S) (ID) SEMENS, STY (27), MOG Call (2.5") AMERICAN TYPE(S) AND 32E(S) (ID) SEMENS, STY (27), MOG Call (2.5") AMERICAN TYPE(S) AND 32E(S) (ID) SEMENS, STY (27), MOG Call (2.5") AMERICAN TYPE(S) AND 32E(S) (ID) SEMENS, STY (27), MOG Call (2.5") AMERICAN TYPE(S) AND 32E(S) (ID) SEMENS, STY (27), MOG Call (2.5") AMERICAN TYPE(S) AND 32E(S) (ID) SEMENS, STY (27), MOG Call (2.5") AMERICAN TYPE(S) AND 32E(S) (ID) SEMENS, STY (27), MOG Call (2.5") AMERICAN TYPE(S) AND 32E(S) (ID) SEMENS, STY (27), MOG Call (2.5") AMERICAN TYPE(S) AND 32E(S) (ID) SEMENS, STY (27), MOG Call (2.5") AMERICAN TYPE(S) AND 32E(S) (ID) SEMENS, STY (27), MOG Call (2.5") AMERICAN TYPE(S) AND 32E(S) (ID) SEMENS, STY (27), MOG Call (2.5") AMERICAN TYPE(S) AND 32E(S) (ID) SEMENS, STY (27), MOG Call (2.5") AMERICAN TYPE(S) AND 32E(S) (ID) SEMENS, STY (27), MOG Call (2.5") AMERICAN TYPE(S) AND 32E(S) (ID) SEMENS, STY (27), MOG Call (2.5") AMERICAN TYPE(S) AND 32E(S) (ID) SEMENS, STY (27), MOG Call (2.5") AMERICAN TYPE(S) AND 32E(S) (ID) SEMENS, STY (27), MOG Call (2.5") AMERICAN TYPE(S) AND 32E(S) (ID) SEMENS, STY (27), MOG Call (2.5") AMERICAN TYPE(S) AND 32E(S) (ID) SEMENS, STY (27), MOG Call (2.5") AMERICAN TYPE(S) AND 32E(S) (ID) SEMENS, STY (27), MOG Call (2.5") AMERICAN TYPE(S) AND 32E(S) (ID) SEMENS, STY (27), MOG Call (2.5") SEMENS, STY (27), MOG Call (2.5") AMERICAN TYPE(S) AND 32E(S) (ID) SEMENS, STY (27), MOG Call (2.5") AMERICAN TYPE(S) AND 32E(S) (ID) SEMENS, STY (27), MOG Call (2.5") AMERICAN TYPE(S) AND 32E(S) (ID) SEMENS, STY (27), MOG Call (2.5") AMERICAN TYPE(S) AND 32E(S) (ID) SEMENS, STY (27), MOG Call (2.5") AMERICAN TYPE(S) AND 32E(S) (ID) SEMENS, STY (27), MOG Call (2.5") AMERICAN			N DESCRIPTION		SURFACE ELEVATION
AMPLET TYPEES (ND) SIZE SIZE SIZE SIZE SIZE SIZE SIZE SIZE	ILLING METHOD	DRILL RIG			BOREHOLE DIAMETER
Bulk, SPT (2"), Mod Cal (2.5") Automatic 140lb harmner 30in drop. GROUNDAYS TROUBLE DESCRIPTION GROUNDAYS TROUBLE DURNES CRAIMED AFTER DRILLING (ACT) DESCRIPTION DESCRIP					
DESCRIPTION DESCR	ulk, SPT (2"), Mod Cal (2.5")			•	80%
SANDY lear CLAY (CL.) hard; brown; mosts, some fine to coarse SAND; mostly low to median plasticy lines. S					26.5 ft
SANDY lear CLAY (CL.) hard; brown; mosts, some fine to coarse SAND; mostly low to median plasticy lines. S	Material Graphics Material Graphics		Blows per foot Recovery (%) Dry Unit Weight (bcf)	Moisture Content (%) Liquid Limit (%) Plasticity Index (%) Passing #4 (%) Passing #200 (%)	Drilling Method Wethod Brilling Method Wethod
Bottom of borehole at 26.5 ft below ground surface.	00 26 SILTY SAND (SM); dense; grayish brown;	moist; trace	49 113	3	
100 30	Bottom of borehole at 26.5 ft below ground				
9.00 32 7.00 34 3.00 35 3.00 37 3.00 48 49 5					
7.00 34 5.00 36 5.00 36 7.00 40 41 9.00 42 43 44 47 47 48 48 48 49 49 49 49 49 49 49 49 49 49 49 49 49					
5.00 36 37 37 37 38 39 39 42 43 43 45 55.00 46 47 47 47 47 47 47 47 47 47 47 47 47 47	00 34				
3.00 38 3.00 40 4.1 9.00 42 4.5 5.00 46 4.7 3.00 48 49 PREPARED BY: M. Bruming CHECKED BY: M. Arzamendi Pittsburg Technology Center Pittsburg, California PROJECT NUMBE 31405786.0 WSP USA 475 Eastgate Mall Sulte 150 LOG OF BORING WSP-PTC	00 36				
PREPARED BY M. Bruning CHECKED BY: M. Arzamendi WSP USA 475 Eastgate Mail Suite 150 LOG OF BORING WSP-PTC WS	00 38				
9.00 42 43 7.00 44 45 5.00 48 49 50 CAPITAL PREPARED BY: M. Bruning CHECKED BY: M. Bruning	00 40				
7.00 44 5.00 46 47 3.00 48 49 AVAIO CAPITAL PREPARED BY: M. Bruning CHECKED BY: M. Arzamendi WSP USA 4755 Eastgate Mall Suite 150 WSP-PTC	00 42				
5.00 46 47 49 49 49 49 49 49 49 49 49 49 49 49 49	00 44				
AVAIO CAPITAL PREPARED BY: M. Bruning CHECKED BY: M. Arzamendi WSP USA 4755 Eastgate Mall Suite 150 PREPARED BY: M. Arzamendi PROJECT NUMBE 31405786.0 WSP-PTO	00 46				
M. Bruning CHECKED BY: M. Arzamendi WSP USA 4755 Eastgate Mall Suite 150 M. Bruning CHECKED BY: M. Arzamendi PROJECT NUMBE 31405786.0 WSP-PTO	00 48				
M. Bruning CHECKED BY: M. Arzamendi WSP USA 4755 Eastgate Mall Suite 150 M. Bruning CHECKED BY: M. Arzamendi PROJECT NUMBE 31405786.0 WSP-PTC	DDEDADED BY.	_			
WSP USA 4755 Eastgate Mall Suite 150 LOG OF BORING WSP-PTC	CAPITAL M. Bruning CHECKED BY:	Р	_		PROJECT NUMBE
San Diego, CA 92121	WSP USA				

LOGGE M. Br	uning		10-	N DATE 3-23	=	COMF 10-3		TAD NC		OREHO	36.0	0 ft /	2193	830.0	ft \	NGS		st an	d Da	tum)		١		SP-F			
Tabe	r Drill	ing							;	See Si	te l			DESC	RIPI	ION						8	36.0	ft N	AVD88	3	
DRILLIN										RILL RI		300												HOLE 5-inch		TER	
SAMPL	ER TY	PE(S)	AND SIZE						s	PT HAM	ИΜЕ	RTY		nmma	~ 20	in de	on					HA		MER EF		NCY, EF	₹i
BOREH	IOLE E	BACKF	Mod Cal						G	ROUNE	DW/						•	ER D	RILLI	NG (DAT	E) TO	OTA	L DEP	TH OF	BORIN	IG
Ceme	ent gr	out n	nix						R	READING	_		not	encou	unte		_	_	cou			2	21.0) ft			
ELEVATION (ft)	DEPTH (ft)	Material Graphics			DE	SCRIF	PTION	N			Sample Location	Sample Number	Blows per 6 in.	Blows per foot	Recovery (%)	Dry Unit Weight	Moisture Content (%)	Liquid Limit (%)	Plasticity Index (%)	Passing #4 (%)	Passing #200 (%)	Pocket Penetration (tsf)	Drilling Method		Rem	arks	
84.00 82.00	1 2 3		SANDY le fine to me fines ; roo	ean CLA dium Sa ts in up	AY (CL AND ; per 12); dark mostly	browr low to	n; dry to o mediu	o moist um plas	t; some sticity		S-1								-							-
80.00	5		Hard; bro	wn; moi	st; sor	ne fine	SANE	Ο.				S-2	5 8 9	17	78		17					>4.5	-{{	М			
78.00	7 8									1			3							,							+
76.00	9 10	10 CLAYEY SAND (SC); loose; br medium SAND; little low to me							— — — mostly	fine to		S-3	4 3	9	56	89	14			100	46		} - }	M, U\	W, PA		
74.00	11 -		mediame	JAIND , I	intic io	William	Calain	Гріазис	Sity IIIIC				6														+
72.00	14 -	15 SILTY SAND (SM); very dense; light								 		/S-4	16	72	89												
70.00	SILTY SAND (SM); very dense; light b mostly fine to medium SAND; some lost s							e low pla	asticity	fines.	X	\	36 36	12	00								<u> </u> }				+
68.00																											
66.00								ium pla	asticity	fines.	X	S-5	26 50/5"	50/5	91	113	16							M, U\	N		
64.00	22 -																										
62.00	24 25																										<u>+</u>
AV	ΆΙΟ		APITA	Ç	Ī	CHECK	RED BY Brunin KED BY zameno	ıg Y:					Pi	tsbu	_	Te sbu			_	-		nte	r	PF		T NUME 405786	
	11	5)	4755 Suite	150	ate Mall CA 9212							L	OG	OF	B	OR	RIN	G							VSP-PT	

Logge M. B	runin	g	BEGIN 10-5 -		COMF 10-	PLETION 5-23	DATE	BOREHO 615493							and	Datum)	١ ١		P-PT	
DRILLII Tabe			CTOR					BOREHO See Si			DESC	RIPT	ION							ACE ELEV Oft NAV	
DRILLII	NG ME	_						DRILL RI	G									ВС	DREI	HOLE DIA	METER
SAMPL	ER T	YPE(S)	AND SIZE(S				:	SPT HAM	MER T									HA	AMM	ER EFFIC	IENCY, ERI
			Mod Cal (ON			Autom GROUNE							S DB	II I ING	(DAT		10%		OF BORING
		rout r			ON			READING	S		encol	ınter	red	not		ounte			1.5		or borring
ELEVATION (ft)	дертн (ft)	Material Graphics			DESCRII	PTION			Sample Location Sample Number	Blows per 6 in.	Blows per foot	Recovery (%)	Dry Unit Weight (pcf)	Moisture Content (%)	Liquid Limit (%)	Index (%) Passing #4 (%)	Passing #200 (%)	Pocket Penetration (tsf)	Drilling Method	Re	emarks
108.00	1 = 3 = 4		Lean CLAY fine to coars fines ; roots	with SA se SAND in uppe	ND (CL);) ; mostly l r 12".	brown; dry low to med	y to mois dium plas	t; little sticity	S-1												
104.00	5 - 6 - 7 -		SANDY lear fine to medi fines.	n CLAY um SAN	(CL); very	stiff; brow low to me	vn; moist; edium pla	; some asticity	S-2	10 11 18	29	83		19						М	
102.00	9 - 10 - 11 -								S-3	11 29 44	73	61	105	21	40	23	62		\ \ -\}	M, UW, P	A, PI
98.00 96.00	12 - 13 - 14 -			olasticity fines.																	
94.00 92.00	15 - 16 - 17 - 18 -																				
90.00	19 - 20 - 21 - 22 -						~		S-5	5 11 20 24	44	78	97	20						M, UW	
36.00	23 - 24 - 25				(conti	inued)													 } }		
ΑV	<u>/</u> ΔΙα		APITAL		PREPAI M.	RED BY: Bruning				Pit		_				ogy		nte	r	DR∪ IE	ECT NUMBER
× 11	11	5		WSP US 4755 Ea Suite 15	M. Ar SA astgate Mall	KED BY: zamendi				L	OG					forni 3	a			FRUJE	31405786.00 WSP-PTC
	4.14				go, CA 921:	21						٠.		\ '	•	_					SHEET 1 d

LOGGE M. Bı	runing		BEGIN 10-5 -			OMPL 10-5-		DATE	615	4937	'.0 f	CATIO t / 21	939	19.0	ft V	VGS		st an	d Da	tum)		1		SP-P	TC-		
DRILLIN Tabe			CTOR							EHOL Site		CATIO an] NC	DESCI	RIPT	ION									LEVATI		
DRILLIN Hollo										L RIG E 55)										- 1		HOLE -inch	DIAMET	ΓER	
SAMPL	ER TY	PE(S)	AND SIZE(S						SPT	HAMN	IER	TYPE										H	AMN	IER EF		CY, ERi	
			Mod Cal (ILL AND CO		ION				GRO	UNDV	VAT	I 40lb ER DI						R DI	RILLI	NG (DAT		3 0 %		TH OF I	BORING	.
Cem									REAL	DINGS	3			ncou	nter	ed	no	t en		nter			1.5				
ELEVATION (ft)	DEРТН (ft)	Material Graphics			DES	CRIPT	ΓΙΟΝ				Sample Location	Blows per 6 in		Blows per foot	Recovery (%)	Dry Unit Weight (pcf)	Moisture Content (%)	Liquid Limit (%)	Plasticity Index (%)	Passing #4 (%)	Passing #200 (%)	Pocket Penetration (tsf)	Drilling Method		Rema	ırks	
84.00	26		SANDY lea	n CLAY	′ (CL);	(contii	nued).				S-		1	23	89												+
82.00	27 -											•	4							>							+
80.00	29 -		Hard; trace coarse SAN	fine, su	ıbroun	ded Gl	RAVEL	; some	e fine to		S-	·7 16		50/6	92												+
78.00	31 -		Poorly grad grayish bro mostly fine	ed SAN	ID with ist; trac se SAN	n CLAY ce fine, ND ; fev	/ (SP-S , subro w low p	SC); ver ounded olasticity	ry dense GRAVE y fines.	<u>;</u> ;		50/	U														+
76.00	33 – 34 – 35 –																										
74.00	36		SANDY lea fine to coars fines.	n CLAY se SAN	(CL); D; mc	very sostly lov	tiff; brown to me	own; mo edium p	oist; som olasticity	e	S-	-8 10 10 15	0	25	100												
72.00	38 -											1															
70.00	40 -		Hard.								S-	22	2	59	78												+
68.00	42		Bottom of b	orehole	at 41.	5 ft be	low gro	ound su	ırface.		Δ_	37	7										<u> </u>				-
66.00	44 -																										-
64.00	46																										
62.00	48 -		V																								+
	50		*																								
AV	ΆΙ		APITAL		C	HECKE	runing ED BY:					F	Pitt	sbu	_	Te			_	-		nte	r	PR		NUMBE 05786.0	
	11	5)	Suite 1	JSA astgate 50	M. Arza Mall A 92121							LC	OG											W	SP-PTC	C-13

M. Bı	ED BY runin		BEGIN 10-5	N DATE 5-23		10-5-2	TION DAT 3		OLE LC 073.0 f						t and	d Datu	ım)			VS	BP-PTC-14
DRILLIN Tabe		ONTRA lling	CTOR						HOLE LO Site Pla		DESC	RIPT	ION								ACE ELEVATION 0 ft NAVD88
DRILLIN	NG ME	ETHOD						DRILL I	RIG 55-30 0)											HOLE DIAMETER
SAMPL	ER T	YPE(S)	AND SIZE(Mod Cal					SPT H	AMMER 1	ГҮРЕ	amme	er 30	in dr	on					HA		IER EFFICIENCY, ERI
BOREH	HOLE		ILL AND CO		TION				NDWAT	ER DUF		RILLII	NG /	AFTE		RILLIN			E) TC		L DEPTH OF BORING
£	one g								ion	_		_						\overline{a}			
ELEVATION	эрертн (#)	Material Graphics			DES	CRIPTI	ON		Sample Location		Blows per foot	Recovery (%)	Dry Unit Weight (pcf)	Moisture Content (%)	Liquid Limit (%)	Plasticity Index (%)	Passing #4 (%)	Passing #200 (%)	Pocket Penetration (tsf)	Drilling Method	Remarks
07.00	1 - 2 - 3 -		SANDY lea to coarse S in upper 12	SAND ; I	Y (CL); mostly	brown; medium	dry to mois n plasticity f	t; some fine ines ; roots	ý Ś	1											pH = 7.6 Resistivity = 2,546 ohm-cm Sulfates = 60 ppm Chlorides = 22 ppm Thermal Resistivity: Wet = 66 C-cm/W Dry = 249 C-cm/W Modified Proctor:
05.00	4 -																			}	MDD = 118.9 pcf OMC = 10.7% Organics = 5.7%
03.00	6		Lean CLA' fine to med	Y with S dium SA	SAND (G AND ; m	CL); ver nostly m	y stiff; brow edium plas	n; moist; fe ticity fines.	w S-	2 3 4 8	12	50	Į	21					2.5		M
01.00	8 9																				
9.00	10		Light brow	n; mostl	ly low p	olasticity	fines.	\	S-	3 9 22 37	59	100	102	19	48	34 1	00	75		ΙИΙ	Direct Shear phi' = 33 deg c' = 475 psf
7.00	12																\ \ \ \	M, UW, PA, PI			
5.00	14		Hard.				V/S-4 6 30 100												\ -{}		
3.00	16					\			<u>X</u>	11 19										 - -	
1.00	18																			<u>{</u>	
9.00	20								S-	5 25 50/4.5	50/5	100	106	17							M, UW
7.00	22 -																				
35.00	24					(a.at)	()														
41	/	<u> </u>				CONTINUE REPARED M. Bru	BY:			Pi	ttsb	ura	Te	chr	nol	Oa	<u> </u>) <u>e</u> ı	nter	-	
AV	A (APITAL	-		M. Bru CHECKED M. Arzam	BY:			. '		_	sbu								PROJECT NUMBE 31405786.00
	11	-		WSP 4755	USA Eastgate	e Mall					.OG	○ □	- D	7 D	- I	_					WSP-PTC

	runing		BEGIN DATE COMPLETION D 10-5-23 10-5-23	61550	OLE LOC 173.0 ft /	2193	957.0	ft W	GS84	ast an	d Datu	ım)	1		P-PTC-14	
DRILLII Tabe	NG CO r Drill		ACTOR		OLE LOC ite Plan		DESC	RIPTIC	ON						ACE ELEVATION Oft NAVD88	
DRILLII	NG ME			DRILL R	IIG 55-300										HOLE DIAMETER	
SAMPL	ER TY	PE(S)	AND SIZE(S) (ID)	SPT HA	MMER TY			. 20i.	- dr				H		ER EFFICIENCY, EF	Ri
BORE	OLE B	ACKF	Mod Cal (2.5") FILL AND COMPLETION	GROUN	natic 14	R DUR	ING DF	RILLIN	G AF	ΓER D			TE) T	OTAL	DEPTH OF BORIN	IG
	ent gr	out r	nix	READIN	1_	not	encou			ot en	coun			41.5	ft	
ELEVATION (ft)	³ DЕРТН (ft)	Material Graphics	DESCRIPTION		Sample Location Sample Number	Blows per 6 in.	Blows per foot	Recovery (%)	Dry Unit Weight (pcf) Moisture	Content (%) Liquid Limit (%)	Plasticity Index (%)	Passing #4 (%) Passing #200 (%)	Pocket Penetration (tsf)	Drilling Method	Remarks	
83.00	26		SANDY lean CLAY (CL); very stiff; brown fine to medium SAND; mostly low to me fines.	n; moist; some dium plasticity	S-6	9 8 11	19	100								+
81.00	27 28 29													}		+
79.00	30 31		Hard.		S-7	14 50/5"	50/5	100				+		-{} - }		+
77.00	32															
75.00	34				\/S-8		38	100						} - }		+
73.00	36					18 20								_{}		-
71.00	38													 		+
69.00	40		SILTY SAND (SM); very dense; brown; r fine to coarse SAND; some low plasticity	/ fines.	S-9	12 47 38	85	83						- <u>{</u>		+
67.00	42		Bottom of borehole at 41.5 ft below ground	iu surface.												+
65.00	44 -															
63.00	45 46															† †
61.00	48															-
	49 50															
AV	ΆIC		PREPARED BY: M. Bruning CHECKED BY: M. Arzamendi			Pit		_	Tecl burg				ente	r	PROJECT NUMP 31405786	
	11	-	WSP USA 4755 Eastgate Mall Suite 150 San Diego, CA 92121			L	OG	OF	BO	RIN	G				WSP-PT	

LOGGE M. B	runir	ng	BEGIN 10-5 -			IPLETION -5-23	DATE	BOREHO 615524							and	Datum)		OLE NS	D SP-PTC-15A
DRILLIN Tabe		ONTRA	ACTOR					BOREHO See Sit			DESC	RIPT	ION							ACE ELEVATION ft NAVD88
ORILLI	NG M	ETHOD						DRILL RIC												HOLE DIAMETER
SAMPL	ER T	YPE(S)	AND SIZE(S Mod Cal (SPT HAM Autom	IMER TY		mmo	r 30	in dr	on				H		IER EFFICIENCY, ERI
BOREH	HOLE	BACKE	ILL AND CO		ON			GROUND	WATER	R DUR	ING DE	RILLIN	NG A	AFTER				E) TO	OTAI	L DEPTH OF BORING
€ Cem	ent ç	grout r	TIIX					TETOTIVE			encou					ounte			1.5	π
ELEVATION (1	оертн (#)	Material Graphics			DESCR				Sample Location Sample Number	Blows per 6 in.	Blows per foot	Recovery (%)	Dry Unit Weight (pcf)	Moisture Content (%)	Liquid Limit (%) Plasticity	Index (%) Passing #4 (%)	Passing #200 (%)	Pocket Penetration (tsf)	Drilling Method	Remarks
97.00 95.00	1 = 2 = 3 = 4 =		SANDY lear fine to coars and various	n CLAY se SANE trash in	(CL); dar) ; mostly cluding g	k brown; (high plas glass shar	dry to moi sticity fines rds.	ist; some s; roots	S-1											
3.00	5 - 6 - 7 -		CLAYEY SA fine to medi fines ; roots	um SAN	ID ; little r	medium to	wn; moist; o high plas	mostly sticity	S-2	4 3 3	6	44		12		93	40			M, PA
9.00	9		SANDY lear	n CLAY	(CL); stiff	f; dark bro	own; moist	t; some	S-3		14	67	91	15	29	9	52	3.5		TxUU: Cell = 1000 psf
7.00 5.00	11 - 12 - 13 - 14 -		fines.	um oak	, mosu	y low to it	V/S-4 8 41 89												$\ \cdot\ $	Gei - 1000 psp. Max Dev. = 7987 psf Su = 3994 psf Failure @ 1.26% M, UW, PA, PI
3.00	15 - 16 - 17 -		Hard; light t	orown.	S-4 8 41 89 16 25															
9.00	18 -		OLAVEV O	AND (OC			t brown		S-5	4.4	54	72	90	14						M. UW
7.00	21 - 22 - 23 -		CLAYEY SA mostly fine	to mediu	im SAND	ense, ligh) ; some lo	n brown, n ow plastici	ity fines.	3-5	14 18 36	υ 4	12	89	14						ivi, UVV
5.00	24				(con	tinued)														
AV	ΆΙ	0	CAPITAL		M CHEC	ARED BY: M. Bruning CKED BY:				Pit	tsbı	_				ogy forni		nte	r	PROJECT NUMBE 31405786.0
	11	5)	Suite 15	SA astgate Ma					L	OG									WSP-PTC

	runinç	-	BEGIN DATE COMPLETION D 10-5-23 10-5-23	6155245.0 ft	/ 2193	3998.0 f	ft WGS		t and [)atum))	V		P-PTC-15A	
	NG CO e r Dril l		ACTOR	BOREHOLE LOC See Site Plan		I DESCF	RIPTION							CE ELEVATION ft NAVD88	
DRILLI Hollo SAMPL	NG ME DW-St LER TY	THOD em A		DRILL RIG CME 55-300 SPT HAMMER T Automatic 14		ommor	20in d	ron				4 .	.25-	HOLE DIAMETER Inch I.D. ER EFFICIENCY, ERI	
BORE	HOLE E	BACKE	FILL AND COMPLETION	GROUNDWATE	R DUF	RING DR	ILLING	AFTE				E) TO	TAL	DEPTH OF BORING	;
	ent gı	out 1	mix	READINGS	1	encou			enco	unte			1.5	ft	\dashv
ELEVATION (ft)	ороди Обрати (ft)	Material Graphics	DESCRIPTION	Sample Location Sample Number		Blows per foot	Recovery (%) Dry Unit Weigh	Moisture Content (%)	Liquid Limit (%) Plasticity	Index (%) Passing #4 (%)	Passing #200 (%)	Pocket Penetration (tsf)	Drilling Method	Remarks	
73.00	26 -		SANDY lean CLAY (CL); very stiff; light be some fine to medium SAND; mostly low plasticity fines.	prown; moist; to medium	10 14 12	26	72								
71.00 69.00	28 -												}		
67.00	31 -		Bottom of borehole at 31.5 ft below grour	d surface.	16 30 50/6"	80/12	56	K							+
65.00	33														
63.00	35 – 36 – 37 –														
61.00	38 -														
59.00 57.00	41 -														
55 OO	43														
55.00	45														
53.00	46														
51.00	48 -														
ΑV	ΆlC		PREPARED BY: M. Bruning CHECKED BY: M. Arzamendi		Pi		irg Te					nter		PROJECT NUMBE 31405786.0	
	11	-	WSP USA 4755 Eastgate Mall Suite 150 San Diego, CA 92121		L	.OG	OF B	OR	ING					WSP-PTC- SHEET 2	

M. Brunin		EGIN DATE 10-3-23	COMPL 10-3- 2	ETION DATE 23				at/Long or 0.0 ft W			d Datu	ım)		HOLE		TC-16	;
DRILLING CO Taber Dri	ONTRACTOR Iling					LE LOCA		SCRIPTION	NC							EVATION AVD88	
DRILLING ME Hand Aug	ETHOD	IZE(S) (ID)			DRILL RI NA SPT HAN	G								BORE 4.25	HOLE I	DIAMETER	
Bulk	BACKFILL AN		ON		NA CROUNT	NA/ATED	DUDIN	DRILLIN	C 4E	TED DI		IC (D		NA		H OF BOI	
Cement g		D COMPLETI	ON		READING	3S		counter		ot en				5.0		H OF BOI	KING
ELEVATION (ft)	Material Graphics		DESCRIPT			Sample Location Sample Number	Blows per 6 in.	Blows per foot Recovery (%)	Dry Unit Weignt (pcf) Moisture	Content (%) Liquid Limit (%)		Passing #4 (%)		Penetration (tsf) Drilling Method		Remarks	5
12.00 2 - 3 - 10.00 4 -		Y lean CLAY fine to mediur m plasticity fir wish brown; n		h brown; dry ostly low pla 1 upper 12".	to moist; sticity to	S-1						95 5	4		MDD = OMC =	le = 5 ed Proctor : 115.1 pcf : 11.8% ics = 6.3%	f
08.00 6 7	Botton	n of borehole	at 5.0 ft belo	w ground su	irface.				<				l				
06.00 8 -																	
04.00 10																	
02.00 12 -																	
00.00 14 -							•										
8.00 16 17 6.00 18																	
19 -																	
21 - 2.00 22 -																	
0.00 24 -																	
۸۱ /۸ ۱۵	CAPIT	TAL		runing			Pitts	burg					ent	er	PRO	DJECT NU	
HVHIV			CHECKE M. Arza					Pitts	burg	, Cal	itori	าเล				31405	786 იი

LOGGE M. Br	uning			N DAT 3-23	E		MPLE 0-3-2		I DATE	6	1555	75.0	ft /	2193	540.0	ft	WGS		ast a	nd Da	atum))	1		P-		C-17		
DRILLIN			CTOR								REHO			ATION	DESC	RIPT	ΓΙΟN									ELEV I AV E	'ATIOI 88	N	
DRILLIN	IG ME	THOD									RILL R	IG															METE	R	
Hand SAMPL			AND SIZE	(S) (IE	0)					N. SP	A T HAI	MME	R TY	PE												h I.C		Y, ERi	-
Bulk	OLER	A CKE	ILL AND C	OMPL	FTIO	NI.				N ₂			TED	DUD	ING D	ווח	INC	AFT	·FD I	ווחר	INIC	/D A T		NA OTA	l DE	DTIL	OF BO	ORING	
Ceme				OWPL	EHO	IN				RE	ADIN	GS			enco		red	n	ot e	nco		red	,	5.0 f		PIH	OF BC	JRING	_
ELEVATION (ft)	оертн (ft)	Material Graphics					RIPTI					Sample Location		Blows per 6 in.	Blows per foot	Recovery (%)	Dry Unit Weight	Moisture	Content (%)	Plasticity	Passing #4 (%)	Passing #200 (%)	Pocket Penetration (tsf)	Drilling Method		Re	emark	(S	
96.00	1 - 2 - 3 - 4 - 5		SILTY SA fine to coa upper 12" SANDY le fine to coa fines. CLAYEY S fine to me fines.	an CL arse S SAND dium	.AY (C AND ; (SC); SAND	CL); g mos ; yello ; sor	rayish tly low wish t ne low	brown to me prown to m	n; mois edium p ; moist edium	st; sor plastic ; mos plastic	ne city	_	S-1																
92.00	6 7		Bottom of	boreh	ole at	5.0 f	t belov	v grou	ınd sur	face.								K											
90.00	8 9 9 10 P																												
86.00	11 -										,																		
84.00	14 -																												+
82.00	16						K																						
80.00	18																												#
78.00	20 21																												#
76.00	22 -																												+
74.00	24																												+
AV	AIC) 0	APITA	Č.			PARED M. Bru	uning						Pit	tsb	_							nte	r	P	ROJE		UMBEF	
	11	5)	475 Sui	SP USA 55 East te 150	M tgate M	. Arzam ⁄Iall							L	OG		sbu F B				11116	1					3140s	5786.00 P-PTC- ET 1 o	02 - 17

LOGGE M. Bı		9	BEGIN 10-3			MPLETIC	ON DATE		HOLE LC 588.0 f						st and	d Dat	um)			OLE I	D P-P1	Г С -1	18	_
DRILLIN Tabe			CTOR						HOLE LO		DESC	RIPTI	ION						SL	JRFA	CE ELE	EVATIO		
DRILLIN	NG ME	THOD						DRILL I	RIG										ВС	REH	IOLE D	IAMET	ER	_
SAMPL	_		AND SIZE(S	S) (ID)				SPT HA	AMMER	TYPE									HA	AMME			CY, ERi	_
Bulk BOREH	IOLE E	BACKF	ILL AND CC	MPLETIO	ON			NA GROUI	NDWAT	ER DUF	RING DE	RILLIN	NG	AFTE	R DF	RILLIN	NG (E	DATI		IA DTAL	DEPTI	H OF E	BORING	
	ent gı	rout n	nix					READI			encou			no	t en	cour	ntere		5	.0 ft				_
ELEVATION (ft)	оертн (ft)	Material Graphics			DESCR					Blows per 6 in.	Blows per foot	Recovery (%)	Dry Unit Weight (pcf)	Moisture Content (%)	Liquid Limit (%)		Passing #4 (%)	Passing #200 (%)	Pocket Penetration (tsf)	Drilling Method	I	Rema	rks	
78.00 76.00	1 2 3 4 5		SANDY lea few fine to o plasticity fir - moist; trac CLAYEY So fine SAND	e fine to AND (SC; some lo	coarse \$;; yellow w to me	SAND; s vish bro dium pl	some roots wn; moist; asticity fine	mostly es.	S	-1						30	100	65		2222	PA, PI		>	
74.00	6 7		Bottom of b	orehole a	at 5.0 ft b	oelow g	round surfa	ace.																-
72.00	8 9																							<u>+</u>
70.00	10 -																							- - - -
68.00	13																							
66.00	14 -																							+
64.00	16																							<u> </u>
62.00	18 -																							
60.00	20 -																							+
58.00	22																							
56.00	23 24 25																							
41	/A 1/	<u> </u>	7.0.55			ARED B				Pi	ttsbı	ura	Τe	ech:	nol	oa	v (Cei	nter	<u> </u>				_
AV	AI(٥	APITAL	Wobilis	CHE M. A	CKED B'	Y:			. 1		Pitts				_	-				PRO		NUMBER 05786.00	
	11	-)	Suite 15	stgate Ma					L	.OG	OF	B	OR	IN	G							SP-PTC-	

LOGGE M. Br	uning		BEGIN I 10-3- 2		COMP 10-3		DATE		126.0	ft / 21	94100	0 ft \	WGS		t and	Datun	า)	\		P-PT	C-19	
DRILLIN Tabe			CTOR					BOREH See S			N DES	CRIPT	TION							E ELE	VATION D88	
DRILLIN	IG ME	THOD						DRILL F	RIG									ВС	DREH		AMETER	₹
SAMPL	_		AND SIZE(S) (ID)				SPT HA	MMEF	RTYPE											CIENCY	, ERi
BOREH	IOI F B	ACKE	ILL AND CO	MPI ETIC	N			NA GROUN	IDW A	TER DI	IRING	DRILLI	NG	AFTF	R DRI	LLING	a (DAT		IA DTALI	DEPTH	l OF BOI	RING
Ceme				IVII EETIC				READIN	IGS		5 ft	DIVILLI		3.5	ft on				.0 ft	JE1 111	101 001	11110
ELEVATION (ft)	ОЕРТН (ft)	Material Graphics			ESCRIF					Sample Number	Blows per foot	Recovery (%)	Dry Unit Weight (pcf)	Moisture Content (%)	Liquid Limit (%) Plasticity	Index (%) Passing #4 (%)	Passing #200 (%)	Pocket Penetration (tsf)	Drilling Method	F	Remarks	5
97.00 95.00	1 2 3 4 5		CLAYEY SA mostly fine to roots in uppr SANDY lear coarse SANI - moist.	er 12". n CLAY ((D ; mostl	CL); brow / low to m	n; moist; iedium p	few fine plasticity	to fines.		S-1									2222			-
93.00	6		Bottom of bo	orehole at	5.0 ft bel	ow groui	nd surfa	ce.			·					·	·					-
91.00	7 - 8 - 9 -																					+
89.00 87.00	10 -																					+
85.00	13 -																					
83.00	15 - 16 - 17 -																					
81.00	18																					+
	21 -																					†
77.00	22 23		V																			‡ ‡
75.00	24 25																					<u> </u>
AV	AIC) c	APITAL		CHECK	Bruning				F	ittsk	_	Τε sbu					nte	r	PRO	JECT NU 314057	JMBER: 786.002
	11	-)	WSP US 4755 Eas Suite 150 San Dieg	A tgate Mall						LOC	S OF	F B	OR	ING	;						-PTC-19

M. Br	DGGED BY BEGIN DATE COMPLETION DAT M. Bruning 10-3-23 10-3-23 RILLING CONTRACTOR							ATE	615	560 8	.0 ft	/ 2194	255.0	ft \	NGS		ıst ar	nd Da	tum)		1		P-		C-2(
DRILLIN Tabe			CTOR									E LOC Plar	CATION 1	DESC	RIPT	ION						- 1			ele\ I ave	/ATIOI 288	N	
DRILLIN	IG ME	THOD								DRILI NA	RIG														E DIA	METE	R	
SAMPL	_		AND SIZE(S) (ID)						SPT I	HAMN	IER T	YPE														Y, ERi	
BOREL	IOI E B	ACKE	ILL AND CO	JMPI E	TION					NA GRO	IINDV	VATE	R DUF	NG D	RILLI	NG	ΔFTI	ER D	RILL	ING (ΊΔΤ		AA	DE	PTH	OF BO	ORING	
Ceme					11011					REAL	INGS	\$	not	enco		red	nc	ot er	COU		ed		5.0 f			01 00)(III)	
ELEVATION (ft)	оертн (ft)	Material Graphics			DE	SCRIP'	TION	N				Sample Location Sample Number		Blows per foot	Recovery (%)	Dry Unit Weight	Moisture Content (%)	Liquid Limit (%)	Plasticity Index (%)		Passing #200 (%)	Pocket Penetration (tsf)	Drilling Method		R	emark	(S	
91.00	1 - 2 - 3 - 4 - 5		Well-grade to coarse, s nonplastic Fat CLAY (SAND; mo SANDY fat coarse SAI	(CH); da ostly hig : CLAY (ND ; mo	ark bro h pla: (CH); ostly h	own; mosticity fi	oist; t nes. mois sticity	trace f	fine to me fine	coars	e	S-1								88	25			Mod MDE OMO	0 = 12 $0 = 8$	Procto 27.5 pc	cf	
87.00	6 7		Bottom of t	orehole	e at 5.) ft belo	ow gr	round	surfa	ce.																		+
85.00	8 9																			•								+
83.00	10 -											ł																+
81.00	12 -																											
79.00	14 -																											+
77.00	16 17					-																						-
75.00	18 -																											<u> </u>
73.00	20 21																											+
71.00	22																											+
69.00	23 24 25	· ·																										
AV	/\) c	APITAL		F	REPARI M. E	ED BY Brunin						Pi	ttsb	urg	Τε	ech	no	log	gy (Се	nte	r					
/\V.		ار	est LIZE			CHECKI M. Arza									Pitt	sbu	ırg,	Ca	lifo	rnia	1			Р	ROJI		UMBE 5786.00	
	11	-)	Suite '	Eastga 150	te Mall CA 9212	1						L	.OG	OF	B	OF	RIN	G								P-PTC	

APPENDIX





Summary of Laboratory Test Results

Sam	ple Identifi	cation		N	PP	USCS Description	n	Dh	ysical Sta	ato		Grain	Size Distr	hution			Plasticity	,		Corro	eivity		Comp	action	Therma	l Rosis	Other
Gain	pie identiiii	cation		14	FF	OOOO Description	· ·		iy sicai Ott	100		Grain	DIZE DISTI	Dution			lasticity			00110	Jivity		Comp	action	THEITHA	i itesis.	Other
Exploration Designation	Sample Type	Sample No.	Depth (feet)	Blow Count (bpf)	Pocket Penetrometer (tsf)	USCS Description	USCS Group Symbol	Moisture Content (%)	Dry Density (pcf)	Total Density (pcf)	% Pass 3/4"	% Pass No.4	% Pass No. 10	% Pass No.40	% Pass No. 200	Liquid Limit (%)	Plastic Limit (%)	Plasticity Index (%)	Ħ	Resistivity (ohm-cm)	Soluble Sulfate (ppm)	Soluble Chloride (ppm)	Modified Proctor MDD (pcf)	Modified Proctor OMC (%)	Wet Resistivity (dC-cm/W)	Dry Resistivity (dC-cm/W)	Organic Content
WSP-PDC-01	Bulk	S-1	0 - 5			Lean CLAY w/ sand	CL	15			100	100	100	98	77	45	13	32	8.1	482	556	869	114.5	10.2	92	231	3.4
WSP-PDC-01	Mod Cal	S-2	6 - 6.5	32	>5	Lean CLAY	CL	13.6	107.7	122.3		\															
WSP-PDC-01	SPT	S-3	11 - 11.5	52		Lean CLAY w/ sand	CL	11																			
WSP-PDC-01	Mod Cal	S-4	16 - 16.5	121	>5	Lean CLAY w/ sand	CL	9.9	114.3	125.6																	
WSP-PDC-01	SPT	S-5	21 - 21.5	38		Lean CLAY	CL	13.7																			
WSP-PDC-01	Mod Cal	S-6	26 - 26.5	69	>5	Lean CLAY w/ sand	CL	12.6	106.2	119.6																	
WSP-PDC-01	SPT	S-7	31 - 31.5	31		Lean CLAY w/ sand	CL	12.9																			
WSP-PDC-01	Mod Cal	S-8	36 - 36.5	106		Lean CLAY w/ sand	CL	17.7	103.5	121.8			_		_			_		_				_			
WSP-PDC-01	SPT	S-9	41 - 41.4	39		Lean CLAY w/ sand	CL	12.5																			
WSP-PDC-02	Bulk	S-1	0 - 5			Fat CLAY	СН	20			100	100	98	96	79	52	17	35									
WSP-PDC-03	Bulk	S-1	0 - 5			Sandy lean CLAY	CL	18.8			100	99	96	90	55	33	25	8	8.7	871	197	155	111.9	12.5	79	314	1.15
WSP-PDC-04	Bulk	S-1	0 - 5			Lean CLAY	CL	17			100	99	85	81	55	31	24	7									
WSP-PDC-05	Bulk	S-1	0 - 5			Fat CLAY	СН																				
WSP-PDC-06	Bulk	S-1	0 - 5			Fat CLAY w/ sand	СН	24.2			100	100	100	98	73	50	14	36	8.2	1876	31	40	109.1	10.6	95	276	3.51
WSP-PDC-07	Bulk	S-1	0 - 5			Fat CLAY w/ sand	СН	25.1			100	100	100	100	73	53	15	38	8.6	1340	33	18	112.6	10.5	86	247	0.3

MOISTURE & DENSITY TEST ISI Lab No.: G-67214 Client: WSP Project: Pittsburg Technology Center Job no: 31300216.000 WSP-PDC-01 WSP-PDC-01 WSP-PDC-01 WSP-PDC-01 WSP-PDC-01 WSP-PDC-01 WSP-PDC-01 WSP-PDC-01 Boring # Sample # S-1 S-2 S-3a S-4 S-5a S-6 S-7a S-8 26-26.5 0-5 5.5-6 10.5-11 16-16.5 20.5-21 30.5-31 36-36 5 Depth (ft.) Brown clay with Brown clay Brown clay Brown clay with Brown clay Grayish brown Grayish brown Grayish brown Soil type: (visual) clay with sand sand sand clay clay 12/17/22 12/27/22 12/27/22 12/27/22 1. Date tested: 12/27/22 12/27/22 12/27/22 12/27/22 2. Tested by: SK JΗ JH JΗ JH JH JΗ JH 3. Specimen height (in.) 5.97 6.00 5.78 6.00 4. Wt. of specimen + tare (gm) 1093.46 1169.10 1093.18 1145.66 5. Tare wt. (gm) 211.22 258.43 258.33 262.37 2.42 2.42 2.42 2.42 6. Diameter (in.) Wet wt. of soil + dish wt. (gm) 529.90 209.87 172.91 219.35 188.33 269.44 165.37 265.88 8. Dry wt. of soil + dish wt. (gm) 460.86 190.84 159.88 204.26 171.79 245.07 152.29 233.58 0.00 51.36 50.65 9. Wt. of dish (gm) 50.75 41.74 51.33 51.08 50.65 10. Dish ID Wet Density (pcf) 122.3 125.6 119.5 121.8 Dry Density (pcf) 107.7 114.3 106.2 103.5 9.9 Moisture Content (%) 15.0 13.6 11.0 13.7 12.6 12.9 17.7 Gs (Assumed) 2.70 2.70 2.70 2.70 2.70 2.70 2.70 2.70 Void Ratio 0.565 0.474 0.587 0.627 Saturation (%) 64 9 56.2 57.9 76.0 Additional data: Wt. of dry soil + dish before washing (gm) Wt. of dry soil + dish after washing (gm) % Passing # 200 sieve USCS symbol



MOISTURE & DENSITY TEST ISI Lab No.: G-67214 Client: WSP Pittsburg Technology Center Project: Job no: 31300216.000 Boring # WSP-PDC-01 WSP-PDC-02 WSP-PDC-03 WSP-PDC-04 WSP-PDC-06 WSP-PDC-07 Sample # S-9a S-1 S-1 S-1 S-1 S-1 Depth (ft.) 0.5-3 0.5-3 40.5-41 0-5 0-5 0-5 Soil type: (visual) Brown clay with Brown clay Light brown sandy Light brown clay Grayish brown Grayish brown clay with sand clay with sand sand silt 12/27/22 12/27/22 12/17/22 12/27/22 12/17/22 12/17/22 1. Date tested: SK 2. Tested by: JH JΗ SK JΗ SK 3. Specimen height (in.) 4. Wt. of specimen + tare (gm) 5. Tare wt. (gm) 6. Diameter (in.) . Wet wt. of soil + dish wt. (gm) 191.92 566.60 740.50 560.20 603.80 613.00 8. Dry wt. of soil + dish wt. (gm) 176.20 472.27 623.14 478.62 486.13 490.06 50.50 0.00 0.00 9. Wt. of dish (gm) 0.00 0.00 0.00 10. Dish ID Wet Density (pcf) Dry Density (pcf) **Moisture Content (%)** 17.0 12.5 20.0 18.8 24.2 25.1 Gs (Assumed) 2.70 2.70 2.70 2.70 2.70 2.70 2.70 2.70 Void Ratio Saturation (%) Additional data: Wt. of dry soil + dish before washing (gm) Wt. of dry soil + dish after washing (gm) % Passing # 200 sieve USCS symbol



Organic Content ASTM D-2974 Method A

Client: WSP

Project Name: Pittsburg Technology Center Project Number: 31300216.000

Date 12/17/2022

WSP-PDC-01	WSP-PDC-02	WSP-PDC-03
S-1	S-1	S-1
0-5	0-5	0-5
529.9	566.6	740,5
460.86	472.27	623.14
0	0	0
14.98	19.97	18.83
300.71	302.76	288.75
296.43	301.3	284.75
175,83	175.83	174.7
120.6	125.47	110.05
124.88	126.93	114.05
96.57	98.85	96.49
3.43	1.15	3.51
	S-1 0-5 529.9 460.86 0 14.98 300.71 296.43 175.83 120.6 124.88	S-1 S-1 0-5 0-5 529.9 566.6 460.86 472.27 0 0 14.98 19.97 300.71 302.76 296.43 301.3 175.83 175.83 120.6 125.47 124.88 126.93 96.57 98.85



Organic Content ASTM D-2974 Method A

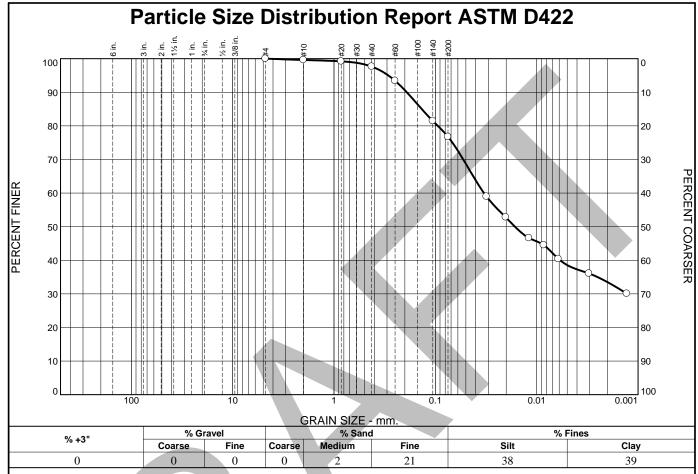
Client: WSP

Project Name: Pittsburg Technology Center
Project Number: 31300216.000

Date 12/27/2022

Boring	WSP-PDC-04	
Sample	S-1	
Depth	0-5	
Wet Soil + Tare	560.2	
Dry Soil + Tare	478.62	
Tare	0	
Moisture Content (%)	17.04	
Weight Before 440°C + Tare	277.22	
Weight After 440°C + Tare	276.88	
Tare	174,69	
Weight of Ash (After 440°C)	102.19	
Weight of Oven-Dried Soil	102.53	
Ash Content (%)	99.67	
Organic Matter (%)	0.33	





SIEVE	PERCENT	SPEC.*	PASS?
SIZE	FINER	PERCENT	(X=NO)
#4	100		
#10	100		
#20	99		
#40	98		
#60	93		
#140	81		
#200	77		
0.0313 mm.	59		
0.0202 mm.	53		
0.0119 mm.	47		
0.0085 mm.	45		
0.0061 mm.	40		
0.0030 mm.	36		
0.0013 mm.	30		

* (no specification provided)

Source of Sample: WSP-PDC-01 **Sample Number:** S-1

Depth: 0-5

Client: WSP

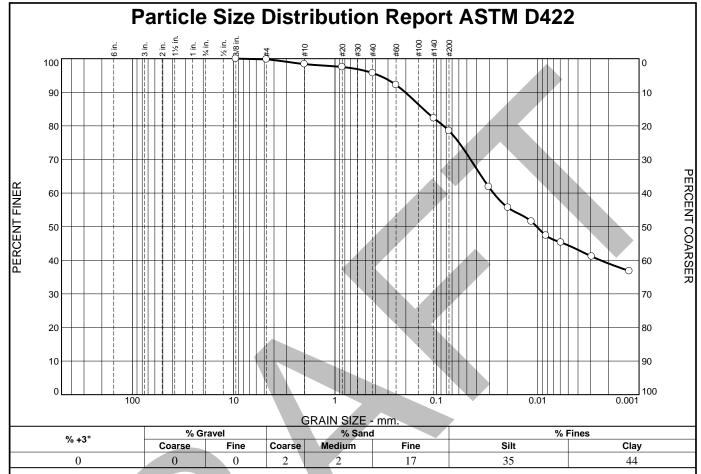
Project: Pittsburg Technology Center

31300216.000

Project No: 2998-003.0

Figure

Date: 12-30-22



SIEVE	PERCENT	SPEC.*	PASS?
SIZE	FINER	PERCENT	(X=NO)
3/8	100		
#4	100		
#10	98		
#20	98		
#40	96		
#60	92		
#140	82		
#200	79		
0.0304 mm.	62		
0.0197 mm.	56		
0.0115 mm.	52		
0.0083 mm.	47		
0.0059 mm.	45		
0.0029 mm.	41		
0.0012 mm.	37		
*	11.10		

* (no specification provided)

Source of Sample: WSP-PDC-02 Sample Number: S-1 **Depth:** 0-5

Date: 1-4-23



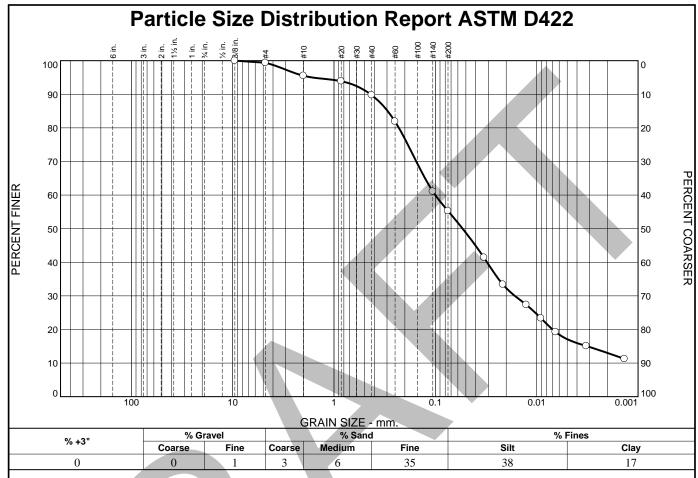
Client: WSP

Project: Pittsburg Technology Center

31300216.000

Project No: 2998-003.0

Figure



SIEVE	PERCENT	SPEC.*	PASS?
SIZE	FINER	PERCENT	(X=NO)
3/8	100		
#4	99		
#10	96		
#20	94		
#40	90		
#60	82		
#140	61		
#200	55		
0.0332 mm.	41		
0.0215 mm.	33		
0.0127 mm.	27		
0.0091 mm.	23		
0.0065 mm.	19		
0.0032 mm.	15		
0.0014 mm.	11		
* () ()			

* (no specification provided)

Source of Sample: WSP-PDC-03 **Sample Number:** S-1

Depth: 0-5

Client: WSP

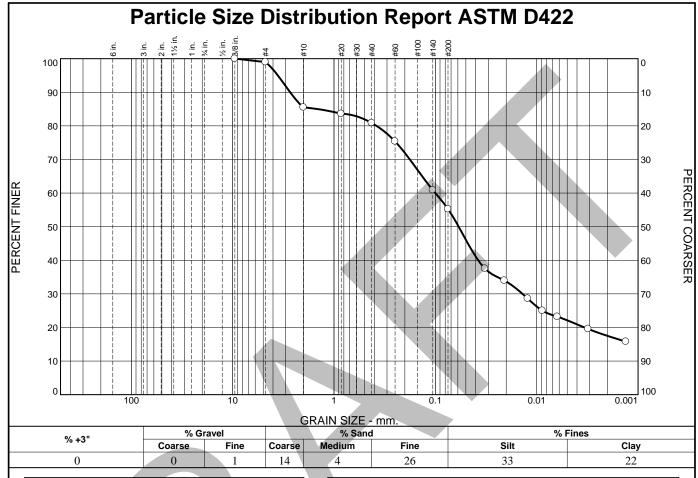
Project: Pittsburg Technology Center

31300216.000

Project No: 2998-003.0

Figure

Date: 12-30-22



SIEVE	PERCENT	SPEC.*	PASS?
SIZE	FINER	PERCENT	(X=NO)
3/8	100		
#4	99		
#10	85		
#20	84		
#40	81		
#60	75		
#140	61		
#200	55		
0.0325 mm.	38		
0.0208 mm.	34		
0.0123 mm.	29		
0.0088 mm.	25		
0.0063 mm.	23		
0.0031 mm.	20		
0.0013 mm.	16		
* ('.c.	11.0		

* (no specification provided)

Source of Sample: WSP-PDC-04 **Sample Number:** S-1

Depth: 0-5

Client: WSP

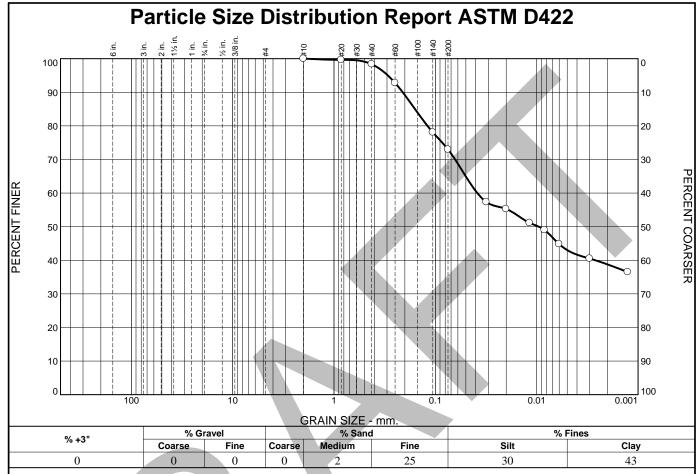
Project: Pittsburg Technology Center

31300216.000

Project No: 2998-003.0

Figure

Date: 1-4-23



SIEVE	PERCENT	SPEC.*	PASS?
SIZE	FINER	PERCENT	(X=NO)
#10	100		
#20	100		
#40	98		
#60	93		
#140	78		
#200	73		
0.0315 mm.	57		
0.0201 mm.	55		
0.0118 mm.	51		
0.0084 mm.	49		
0.0060 mm.	45		
0.0030 mm.	41		
0.0013 mm.	36		

* (no specification provided)

Source of Sample: WSP-PDC-06 **Sample Number:** S-1

Depth: 0.5-3

Client: WSP

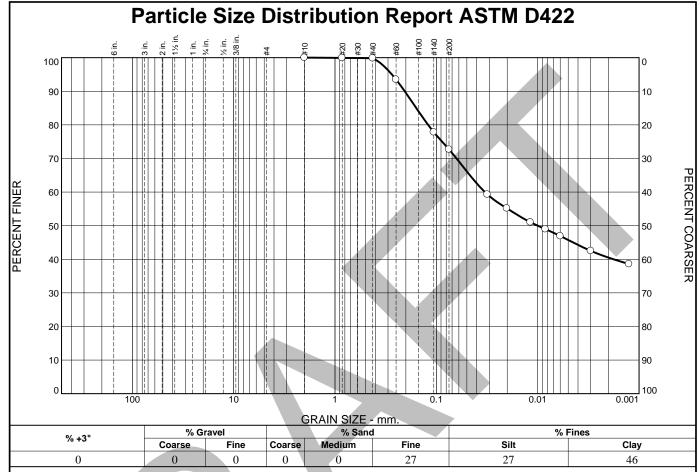
Project: Pittsburg Technology Center

31300216.000

Project No: 2998-003.0

Figure

Date: 12-30-22



SIEVE	PERCENT	SPEC.*	PASS?
SIZE	FINER	PERCENT	(X=NO)
#10	100		
#20	100		
#40	100		
#60	93		
#140	78		
#200	73		
0.0314 mm.	59		
0.0201 mm.	55		
0.0118 mm.	51		
0.0084 mm.	49		
0.0060 mm.	47		
0.0030 mm.	43		
0.0013 mm.	39		

* (no specification provided)

Source of Sample: WSP-PDC-07 **Sample Number:** S-1

Depth: 0.5-3

Client: WSP

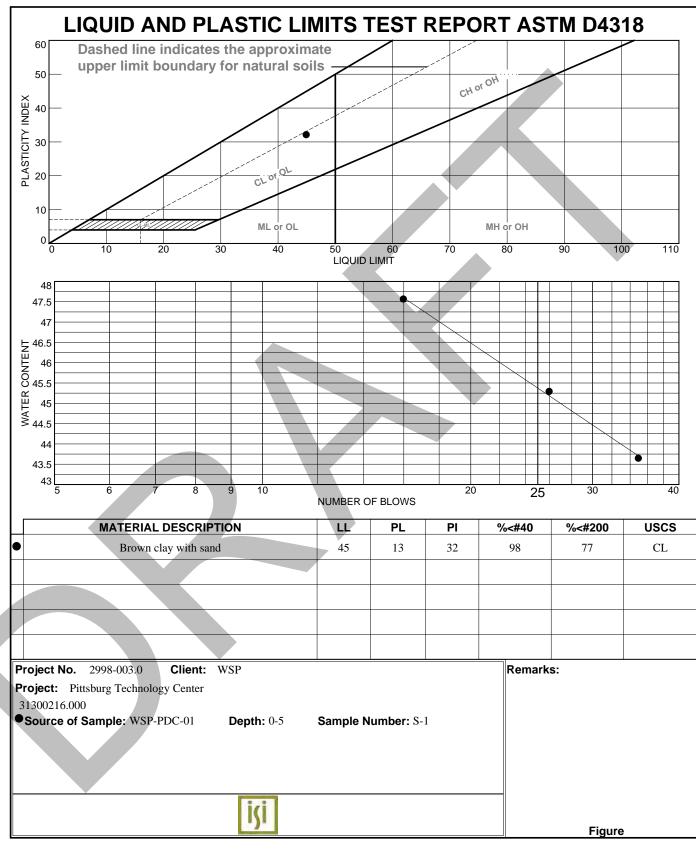
Project: Pittsburg Technology Center

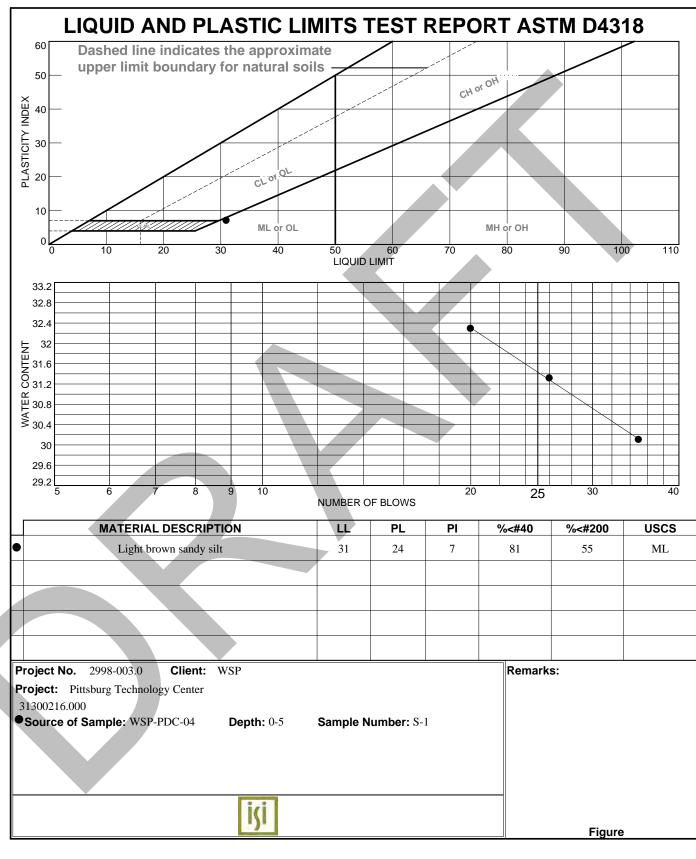
31300216.000

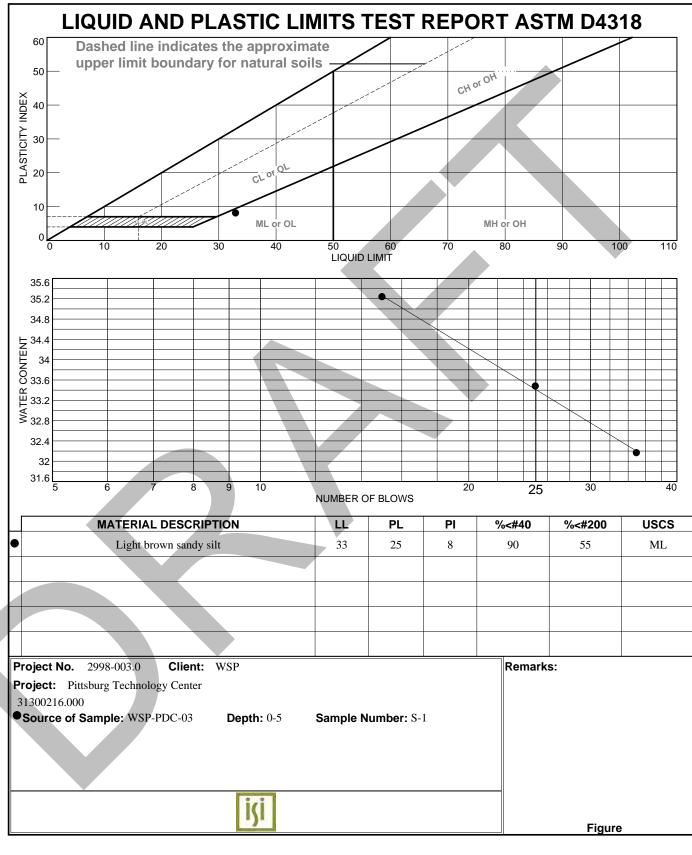
Project No: 2998-003.0

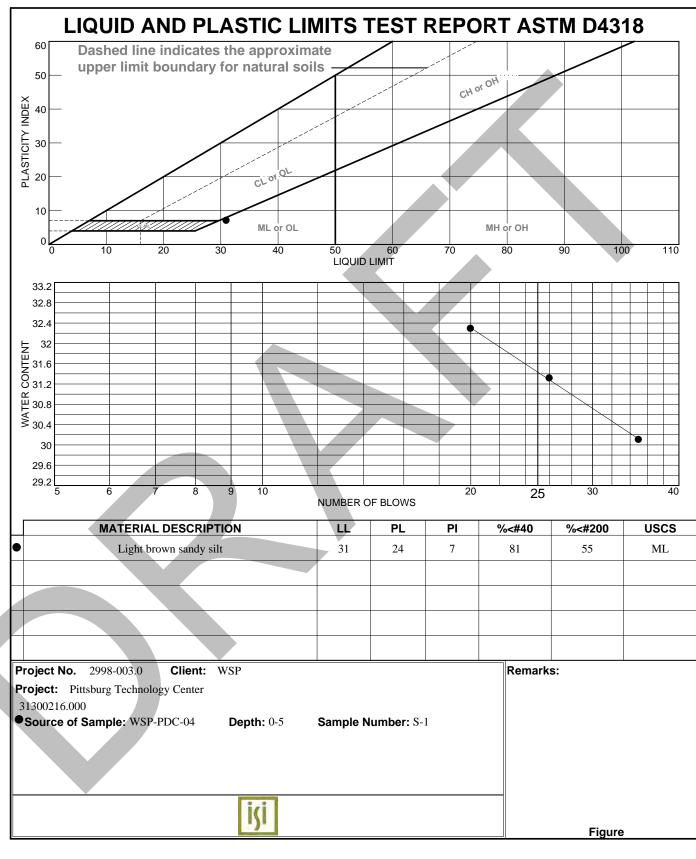
Figure

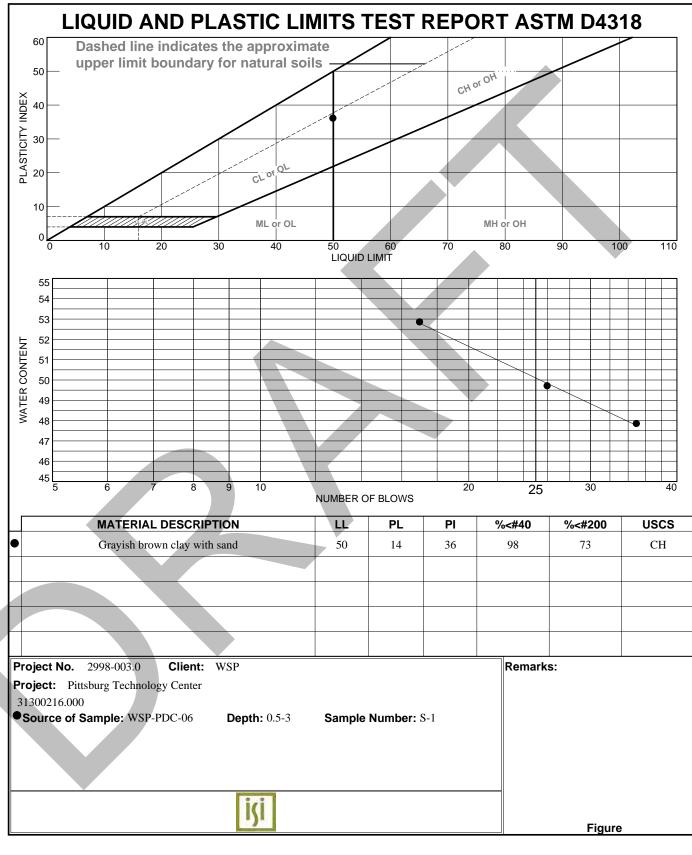
Date: 12-30-22

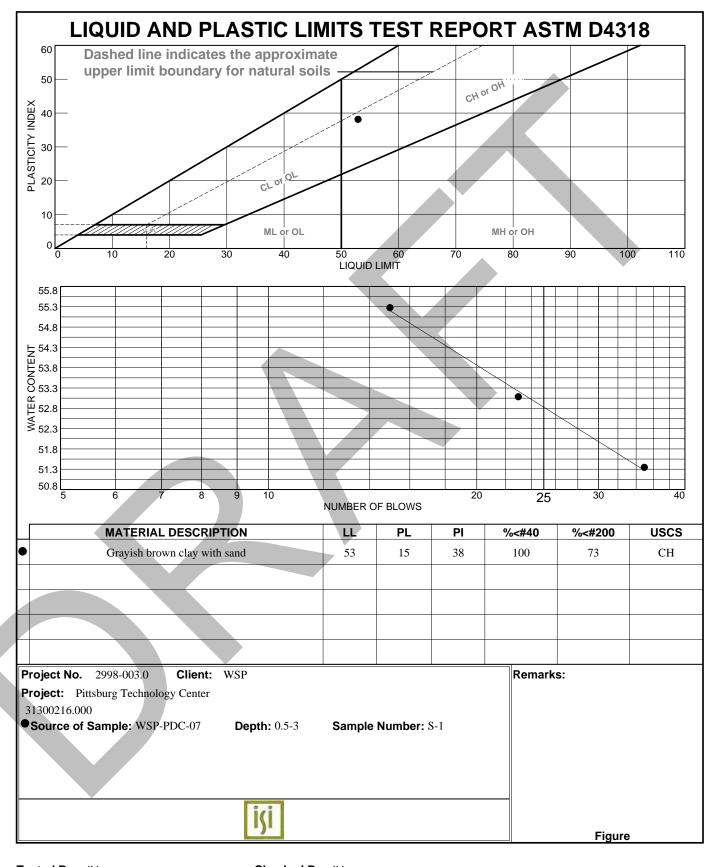












COMPACTION TEST REPORT Curve No. 118 G-67214 ZAV SpG 2.40 **Test Specification:** 116 ASTM D 1557-12 Method B Modified Hammer Wt.: 10 lb. Dry density, pcf 114 Hammer Drop: 18 in. Number of Layers: five Blows per Layer: 25 0.03333 cu. ft. Mold Size: 112 **Test Performed on Material** Passing 3/8 in. Sieve Soil Data 110 NM Sp.G. LL 45 PI 32 **%<#200** 77 **%>3/8 in.** 0 108 17 USCS CL AASHTO A-7-6(23) 13 15 Water content, % **TESTING DATA** 2 3 5 6 WM + WS 3895.0 3898.0 3792.0 3871.0 1996.0 WM 1996.0 1996.0 1996.0 WW + T #1 543.8 564.5 557.3 531.5 WD + T #1 495.0 502.6 516.7 465.1 TARE #1 0.0 0.0 0.0 0.0 WW + T #2 WD + T #2

ĺ	TEST RESULTS	Material Description
	Maximum dry density = 114.5 pcf	Brown clay with sand
	Optimum moisture = 10.2 %	
Rammer	Project No. 2998-003.0 Client: WSP	Remarks:
ag I	Project: Pittsburg Technology Center	
_	31300216.000	
p ica I	O Source: WSP-PDC-01 Depth: 0-5 Sample No.: S-1	
Wet Prep Mechanic	isi	Figure

7.9

110.1

14.3

108.5

TARE #2 MOISTURE

DRY DENSITY

9.9

114.3

Tested By: MP Checked By: JH

12.3

112.0

COMPACTION TEST REPORT Curve No. 112.5 G-67214 ZAV SpG 2.50 **Test Specification:** 112 ASTM D 1557-12 Method B Modified Hammer Wt.: 10 lb. 111.5 Hammer Drop: 18 in. Number of Layers: five Blows per Layer: 25 0.03333 cu. ft. Mold Size: 111 **Test Performed on Material** Passing $\underline{3/8~in.}$ Sieve 110.5 Soil Data NM Sp.G. **LL** 33 **PI** 8 %>3/8 in. __0_ **%<#200** 55 16 18 USCS ML AASHTO A-4(2) Water content, % **TESTING DATA**

	1	2	3	4	5	6
WM + WS	3914.0	3936.0	3871.0	3826.0		
WM	1996.0	1996.0	1996.0	1996.0		
WW + T #1	528.2	537.7	530.4	533.8		
WD + T #1	465.5	464.9	478.0	491.1		
TARE #1	0.0	0.0	0.0	0.0		
WW + T #2						
WD + T #2						
TARE #2						
MOISTURE	13.5	15.7	11.0	8.7		
DRY DENSITY	111.8	110.9	111.8	111.4		

	TEST RESULTS	Material Description
	Maximum dry density = 111.9 pcf	Light brown sandy silt
	Optimum moisture = 12.5 %	
Rammer	Project No. 2998-003.0 Client: WSP	Remarks:
an i	Project: Pittsburg Technology Center	
	31300210.000	
P ical	O Source: WSP-PDC-03 Depth: 0-5 Sample No.: S-1	
Wet Prep Mechanic		Figure

COMPACTION TEST REPORT Curve No. 110 G-67214 ZAV SpG 2.30 **Test Specification:** 109 ASTM D 1557-12 Method B Modified Hammer Wt.: 10 lb. 108 Hammer Drop: 18 in. Number of Layers: Blows per Layer: 25 0.03333 cu. ft. Mold Size: 107 **Test Performed on Material** Passing $\underline{3/8~in.}$ Sieve 106 Soil Data NM Sp.G. **LL** 50 PI 36 %>3/8 in. __0_ **%<#200** 73 105 17 USCS <u>CH</u> AASHTO <u>A-7-6(25)</u> 13 15 Water content, % **TESTING DATA**

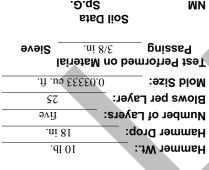
		_		· ·	0	
WM + WS	3813.0	3833.0	3734.0	3834.0		
WM	1996.0	1996.0	1996.0	1996.0		
WW + T #1	547.5	511.8	565.0	569.6		
WD + T #1	496.9	454.3	523.4	496.1		
TARE #1	0.0	0.0	0.0	0.0		
WW + T #2						
WD + T #2						
TARE #2						
MOISTURE	10.2	12.7	7.9	14.8		
DRY DENSITY	109.1	107.9	106.5	105.9		

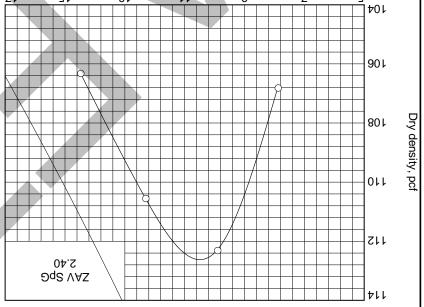
	TEST RESULTS	Material Description
	Maximum dry density = 109.1 pcf	Grayish brown clay with sand
	Optimum moisture = 10.6 %	
mer	Project No. 2998-003.0 Client: WSP	Remarks:
an	Project: Pittsburg Technology Center	
R	31300216.000	
p ica	○ Source: WSP-PDC-06 Depth: 0.5-3 Sample No.: S-1	
Wet Prep Mechanic	isi	Figure

COMPACTION TEST REPORT

Curve No.

Test Specification: ASTM D 1557-12 Method B Modified





Water content, %

TESTING DATA

91

		£.80I	8.30I	S.OLL	112.3	VTISN3U YAU
		S.₽1	6.7	12.3	6.6	MOISTURE
						С# ЭЯАТ
						Z# T + QW
						2# T + WW
		0.0	0.0	0.0	0.0	I# 3AAT
		T.194	2.864	2.784	₽,86₽	1# T + QW
		6.722	8.758	Z.7₽2	5.44.5	L# 1 + WW
		0.9661	0.9661	0.8661	0.9661	MW
		0.888	0.8878	3873.0	3862.0	SW + MW
9	g	ħ	3	2		

13

Fittsburg Technology Center 6.000				Figure
Fittsburg Technology Center	nos O	○ Source: WSP-PDC-07		
	3130021	31300216.000		
. No. 2998-003.0 Client: WSP	Project	Project: Pittsburg Techno		
	Projec	Project No. 2998-003.0	Remarks:	
% č.01 = 91usiom mu	mitqO	Optimum moisture = 10		
um dry density = 112.6 pcf	nixaM	Maximum dry density =	Grayi	erown clay with sand
TEST RESULTS Material Description			.M	ial Description

Checked By: JH

Tested By: MP

Soil Analysis Lab Results

Client: WSP USA

Job Name: Pittsburg Technology Center Client Job Number: 31405786. 000 Project X Job Number: S221227K December 29, 2022

	Method	AST D43		ASTI D432		AST G18		ASTM G51
Bore# / Description	Depth	Sulfa	_	Chlor	ides	Resist	tivity	pН
		SO ₄		Cl		As Rec'd	Minimum	
	(ft)	(mg/kg)	(wt%)	(mg/kg)	(wt%)	(Ohm-cm)	(Ohm-cm)	
WSP - PDC - 01	0-5	555.6	0.0556	868.8	0.0869	>737,000	482	8.1
Sample S-1	0-3	333.0	0.0330	000.0	0.0809	>737,000	462	8.1
WSP - PDC - 03	0-5	196.9	0.0197	155.2	0.0155	167,500	871	8.7
Sample S-1	0-3	190.9	0.0197	133.2	0.0133	107,300	0/1	0.7
WSP - PDC - 06	0.5-3	31.3	0.0031	39.7	0.0040	>737,000	1,876	8.2
Sample S-1	0.5-3	31.3	0.0031	39.7	0.0040	>131,000	1,070	0.2
WSP - PDC - 07	0.5-3	32.7	0.0033	18.2	0.0018	>737,000	1,340	8.6
Sample S-1	0.5-5	32.1	0.0055	10.2	0.0018	>131,000	1,340	0.0

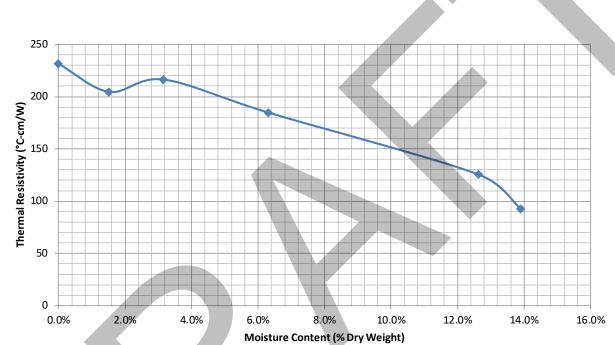
Cations and Anions, except Sulfide and Bicarbonate, tested with Ion Chromatography $mg/kg = milligrams \ per \ kilogram \ (parts \ per \ million) \ of \ dry \ soil \ weight$ $ND = 0 = Not \ Detected \ | \ NT = Not \ Tested \ | \ Unk = Unknown$ $Chemical \ Analysis \ performed \ on \ 1:3 \ Soil-To-Water \ extract$ $PPM = mg/kg \ (soil) = mg/L \ (Liquid)$

Job Name: Pittsburg Technology Center

Client Job #: 31405786. 000 Project X Job #: S221227K Method: IEEE Std 442-81 Date: 12/30/2022





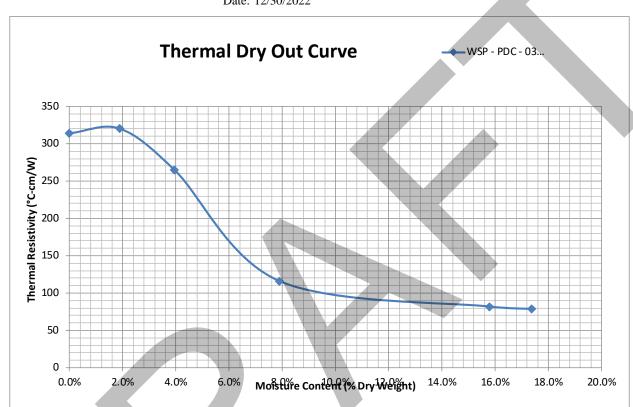


_		Rem	olded Tube S	Sample			
	(S221227K) Sample Location	Sample Depth (ft)	_	Resistivity cm/W)	Optimal Moisture Content	Proctor Dry Density	Requested Compaction
			Wet	Dry	(%)	(PCF)	(%)
	WSP - PDC - 01	0-5	92	231	10.2%	114.50	90%

Thermal Conductivity [R] (mK/W)	Thermal Resistivity (°C-cm/W)	Moisture Content (% Dry Weight)
2.314	231.4	0%
2.046	204.6	2%
2.163	216.3	3%
1.847	184.7	6%
1.254	125.4	13%
0.924	92.4	14%

Job Name: Pittsburg Technology Center

Client Job #: 31405786. 000 Project X Job #: S221227K Method: IEEE Std 442-81 Date: 12/30/2022

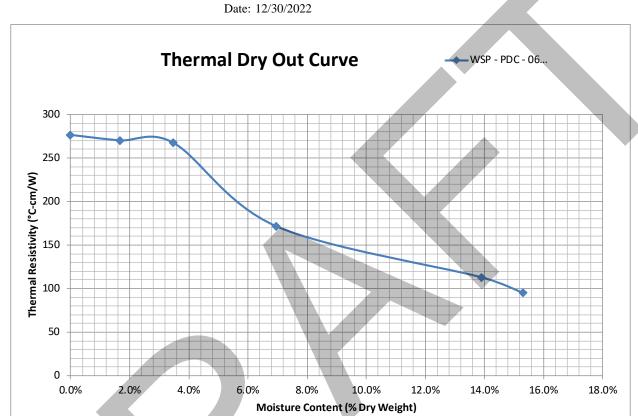


	Rem	olded Tube S	Sample			
(S221227K) Sample Location	Sample Depth (ft)		Resistivity cm/W)	Optimal Moisture Content	Proctor Dry Density	Requested Compaction
		Wet	Dry	(%)	(PCF)	(%)
WSP - PDC - 03	0-5	79	314	12.5%	111.90	90%

Thermal Conductivity [R] (mK/W)	Thermal Resistivity (°C-cm/W)	Moisture Content (% Dry Weight)
3.140	314.0	0%
3.200	320.0	2%
2.647	264.7	4%
1.159	115.9	8%
0.819	81.9	16%
0.787	78.7	17%

Job Name: Pittsburg Technology Center

Client Job #: 31405786. 000 Project X Job #: S221227K Method: IEEE Std 442-81



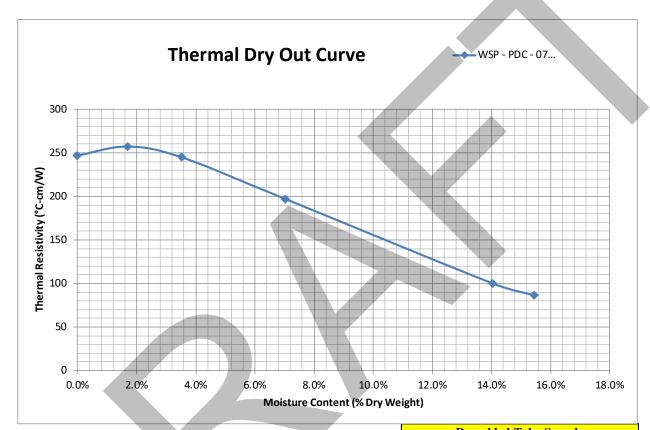
_					Rem	olded Tube S	Sample
	(S221227K) Sample Location	Sample Depth (ft)	_	Resistivity cm/W)	Optimal Moisture Content	Proctor Dry Density	Requested Compaction
			Wet	Dry	(%)	(PCF)	(%)
I	WSP - PDC - 06	0.5-3	95	276	10.6%	109.10	90%

Thermal Conductivity [R] (mK/W)	Thermal Resistivity (°C-cm/W)	Moisture Content (% Dry Weight)
2.764	276.4	0%
2.702	270.2	2%
2.674	267.4	3%
1.716	171.6	7%
1.129	112.9	14%
0.951	95.1	15%

Job Name: Pittsburg Technology Center

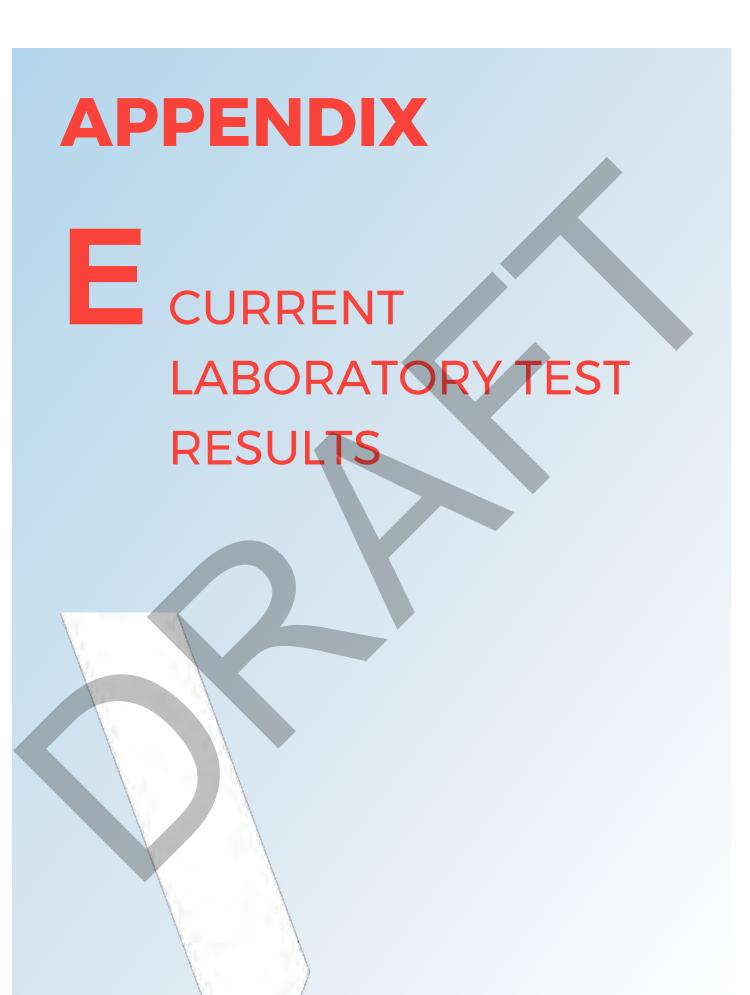
Client Job Number: 31405786. 000 Project X Job Number: S221227K Method: IEEE Std 442-81

Date: 12/30/2022



		Remolded Tube Sample					
(S221227K) Sample Location	Sample Depth (ft)		Resistivity cm/W)	Optimal Moisture Content	Proctor Dry Density	Requested Compaction	
		Wet	Dry	(%)	(PCF)	(%)	
WSP - PDC - 07	0.5-3	86	247	10.5%	112.60	90%	

Thermal Conductivity [R] (mK/W)	Thermal Resistivity (°C-cm/W)	Moisture Content (% Dry Weight)
2.469	246.9	0%
2.571	257.1	2%
2.449	244.9	4%
1.970	197.0	7%
1.000	100.0	14%
0.864	86.4	15%





Summary of Laboratory Test Results

Designation	ple Identifi	Sample No.	Depth (feet)	w Count (bpf)	Penetrometer (tsf)	USCS Descriptio	USCS Group Symbol	ure Content (%)	ysical Sta (bct) Density (bct)	Density (pcf)	Grain :	Size Distr	% Pass No.40	% Pass No. 200	Liquid Limit (%)	Plasticity (%) himt (12%)	Plasticity Index (%)	Peak - C (psf)	Peak - ф (deg)	Cell Pressure (psf)	Deviator Stress (psf)	Shear Strength (psf)	n @ Failure (%)	Hd	Resistivity (ohm-cm)	osivity (bbm) solutions of	e Chloride (ppm)	r MDD (pcf)	action OMC (%)	R-Value	Resistivity (dC-cm/W)	r (dC-cm/V)	nic Content
WSP-PTC-01 WSP-PTC-01 WSP-PTC-01 WSP-PTC-01	Bulk SPT Mod Cal	S-1 S-2 S-3 S-4	0 - 5 6 - 6.5 11 - 11.5 16 - 16.5		Pocket Penet	Sandy lean CLAY Clayey SAND Silty SAND Sandy lean CLAY	CL SC SM CL	19.3 18.0	100.3	118.4 100	100	99	95	45	24	21	3	ă.	ž.	Confining Cell	Max. De	Undrained	Strain		Resis	Soluble	Soluble	Modified Procto	Modified		Wet Res	Dry Resistivity	Organ
WSP-PTC-01 WSP-PTC-01 WSP-PTC-02A WSP-PTC-02A WSP-PTC-02A WSP-PTC-02A WSP-PTC-02A	Mod Cal Mod Cal Bulk SPT Mod Cal SPT Mod Cal	S-5a S-5b S-1 S-2 S-3 S-4	20.5 - 21 21 - 21.5 0-5.0 5.5 - 6 11 - 11.5 16 - 16.5	171 48 82 46 71		Sandy lean CLAY Clayey SAND Sity SAND Lean CLAY Lean CLAY wi sand Sandy lean CLAY Sandy lean CLAY	CL SC SM CL CL	11.6 16.1 21.2	95.6 97.5	127.3 115.9 100	100	100	92	71																			
WSP-PTC-03 WSP-PTC-03 WSP-PTC-03 WSP-PTC-03 WSP-PTC-04	Bulk SPT Mod Cal SPT Mod Cal Bulk	S-5 S-1 S-2 S-3 S-4 S-5 S-1	21 - 21.5 0 - 5 5.5 - 6 11 - 11.5 16 - 16.5 21 - 21.5 0 - 5	56 133 85 150		Sandy fat CLAY Sandy lean CLAY	CL CH CL CL CL CL	18.8 17.9 15.7	108.1	125.1 100	100	99	94	65	43	20	23																
WSP-PTC-04 WSP-PTC-04 WSP-PTC-04 WSP-PTC-04 WSP-PTC-04 WSP-PTC-04 WSP-PTC-04 WSP-PTC-04	SPT Mod Cal Mod Cal SPT SPT Mod Cal SPT Mod Cal	S-2 S-3a S-3b S-4a S-4b S-5 S-6	5.5-6 10.5-11 11-11.5 15.5-16 16-16.5 21-21.5 26-26.5 30.5-31.0	35		Sandy lean CLAY Sandy lean CLAY Fat CLAY Sandy lean CLAY	CL CH CH CH CL CL	20.8 23.0 26.8	111.9 96.3	137.6	97	96	89	50 66	49	14	35			1000	1653	827	2.76										
WSP-PTC-04 WSP-PTC-04 WSP-PTC-05 WSP-PTC-05 WSP-PTC-05	Mod Cal Mod Cal SPT SPT Bulk SPT SPT	S-7a S-7b S-8a S-8b S-1 S-2a S-2b	31.0-31.5 35.5 - 36 36 - 36.5 0 - 5 5.5 - 6 6.0-5.5	79		Lean CLAY Lean CLAY Lean CLAY Lean CLAY Sandy lean CLAY Sandy lean CLAY Clayey SAND Sandy lean CLAY	CL	14.9											32					7.1	362	677	321						
WSP-PTC-05 WSP-PTC-05 WSP-PTC-05 WSP-PTC-05 WSP-PTC-05 WSP-PTC-05 WSP-PTC-05	Mod Cal SPT Mod Cal Mod Cal SPT Mod Cal SPT Mod Cal SPT Mod Cal	S-7 S-8a	21.0-21.5 26 - 26.5 31.0-31.5 35.5 - 36	23 46 19 58		Sandy lean CLAY Sandy lean CLAY Clayey SAND Sandy lean CLAY Sandy lean CLAY Sandy lean CLAY	CL CL CL SC CL CL CL CL CL	13.0	99.1	120.7 100	100	99	97	58				600	32														
WSP-PTC-05 WSP-PTC-06 WSP-PTC-06 WSP-PTC-06 WSP-PTC-06 WSP-PTC-06 WSP-PTC-06 WSP-PTC-06	SPT Mod Cal Bulk SPT SPT Mod Cal SPT SPT SPT SPT	S-8b S-9 S-1 S-2a S-2b S-3 S-4a S-4b	36 - 36.5 41 - 41.5 0 - 5 5.5 - 6 6 - 6.5 11 - 11.5 15.5 - 16 16 - 16.5	68 62 79	>4.5	Sandy lean CLAY Sandy lean CLAY Sandy lean CLAY Sandy lean CLAY Clayey SAND Sandy lean CLAY Sandy lean CLAY Sandy lean CLAY Sandy lean CLAY	CL CL CL SC CL CL CL CL CL CL	14.3 15.4	102.4	118.2 100	99	96	92	59										6.8	436	424	448						
WSP-PTC-06 WSP-PTC-06 WSP-PTC-06 WSP-PTC-06 WSP-PTC-06 WSP-PTC-06 WSP-PTC-06	Mod Cal SPT Mod Cal SPT SPT SPT Mod Cal Mod Cal	S-5 S-6 S-7 S-8a S-8b S-9a S-9b	21 - 21.5 26 - 26.5 31.0-31.5 35.5 - 36 36 - 36.5 40.5 - 41 41 - 41.5	72 30	>4.5 4 - 4.5	Sandy lean CLAY Sandy lean CLAY	CL CL CL SM SM SM CL	18.4	110.4	130.7																							
WSP-PTC-07 WSP-PTC-07 WSP-PTC-07 WSP-PTC-07 WSP-PTC-07 WSP-PTC-07 WSP-PTC-07	Bulk SPT Mod Cal SPT SPT Mod Cal Mod Cal	S-1 S-2 S-3 S-4a S-4b S-5a S-5b	0 - 5 5.5 - 6 11 - 11.5	13	>4.5	Sandy lean CLAY Sandy lean CLAY Sandy lean CLAY Sandy lean CLAY Silty SAND Silty SAND Sandy lean CLAY Sandy lean CLAY	CL CL CL SM SM CL CL CL	15.7 14.9	118.2	135.8	94	93	88	59	40	14	26			1000	18850	9425	4.07					115.9	11.0		75	437	6.1
WSP-PTC-07 WSP-PTC-07 WSP-PTC-07 WSP-PTC-07 WSP-PTC-07 WSP-PTC-08 WSP-PTC-08	SPT SPT Mod Cal SPT SPT Bulk SPT	S-6a S-6b	26 - 26.5 26 - 26.5 31.0-31.5 35.5 - 36 36 - 36.5 0 - 5 5.5 - 6	30 120	>4.5	Lean CLAY Lean CLAY Lean CLAY Lean CLAY Lean CLAY Lean CLAY Sandy lean CLAY	CL CL CL CL CL CL	13.8																									
WSP-PTC-08 WSP-PTC-08 WSP-PTC-08 WSP-PTC-09 WSP-PTC-09 WSP-PTC-09	Mod Cal SPT Mod Cal SPT Bulk SPT Mod Cal	S-3 S-4 S-5 S-6 S-1 S-2	11 - 11.5 16 - 16.5 21 - 21.5 26 - 26.5 0 - 5 6 - 5.5 10.5-11.0	46	3.75 >4.5	Sandy fat CLAY Sandy fat CLAY Sandy fean CLAY Sandy lean CLAY Sandy lean CLAY Sithy SAND Clayey SAND Sithy SAND	CH CH CL CL SM SC SM	20.7 17.5	110.8	130.2				68	54	16	38											109.1	13.7		92	330	8.8
WSP-PTC-09 WSP-PTC-09 WSP-PTC-09 WSP-PTC-09 WSP-PTC-10 WSP-PTC-10	Mod Cal SPT Mod Cal SPT Mod Cal SPT Mod Cal Bulk SPT	S-4 S-5 S-6	11.0-11.5 16.0-16.5 21.0-21.5 26.0-26.5 31.0-31.5 0 - 5 5.5 - 6	18 40 52	×4.5	Sify SAND Sify SAND Sify SAND Sify SAND Sandy Isan CLAY Sandy Isan CLAY Sandy Isan CLAY	SM SM SM SM CL CL	14.4	97.0	111.0 100	96	91	77	20										7.3	938	386	63						
WSP-PTC-10 WSP-PTC-10 WSP-PTC-10 WSP-PTC-10 WSP-PTC-10 WSP-PTC-10 WSP-PTC-10	Mod Cal SPT SPT Mod Cal Mod Cal SPT	S-3 S-4a S-4b S-5a S-5b S-6	11 - 11.5 15.5 - 16 16 - 16.5 20.5 - 21 21 - 21.5 26 - 26.5 31.0-31.5	68	3	Sandy lean CLAY	CL CL CL CL CL CL CL CL	15.1	101.7	124.2				70	39	18	21			1000	8881	4441	4.25										
WSP-PTC-10 WSP-PTC-11 WSP-PTC-11 WSP-PTC-11 WSP-PTC-11 WSP-PTC-11	SPT SPT Bulk SPT Mod Cal SPT SPT		35.5 - 36 36 - 36.5 0 - 5 5.5 - 6 11 - 11.5 15.5 - 16 16 - 16.5	9 34	>4.5 >4.5	Sandy fat CLAY Sandy fat CLAY Sandy lean CLAY Sandy lean CLAY Sandy fat CLAY Sandy fat CLAY Sandy fat CLAY Sandy fat CLAY	CH CL CL CH CH	14.7	100.3	122.1	99	99	95	61	57	17	40			1000	7987	3994	3.48										
WSP-PTC-11 WSP-PTC-11 WSP-PTC-11 WSP-PTC-12 WSP-PTC-12 WSP-PTC-12 WSP-PTC-12	Mod Cal SPT SPT Bulk SPT Mod Cal SPT	S-6a S-6b S-1 S-2 S-3 S-4a	26 - 26.5 0 - 5 5.5 - 6 11 - 11.5 15.5 - 16	49 17 9	3	Sity SAND Sandy lean CLAY Sity SAND Sandy lean CLAY Sandy lean CLAY Clayey SAND Sity SAND	SM CL SM CL CL SC SC SM	9.5 16.9 13.8	88.7	100.9 100	100	99	95	46																			
WSP-PTC-12 WSP-PTC-12 WSP-PTC-13 WSP-PTC-13 WSP-PTC-13 WSP-PTC-13 WSP-PTC-13	SPT Mod Cal Bulk SPT SPT Mod Cal SPT	S-1 S-2a S-2b S-3 S-4a	0 - 5 5.5 - 6 6.0 - 6.5 11 - 11.5 15.5 - 16	120 29 73		Silty SAND Sandy lean CLAY Lean CLAY w/ sand Sandy lean CLAY	CL CL CL CL CL	15.8 18.9 21.2	113.0	130.9	100	99	96	62	40	17	23																
WSP-PTC-13 WSP-PTC-13 WSP-PTC-13 WSP-PTC-13 WSP-PTC-13 WSP-PTC-13 WSP-PTC-13	SPT Mod Cal SPT Mod Cal SPT SPT SPT Mod Cal	S-6 S-7 S-8a S-8b S-9	36 - 36.5 41 - 41.5	100	2.75	Sandy lean CLAY	CL CL CL CL CL CL	19.5	98.9	115.8																							
WSP-PTC-14 WSP-PTC-14 WSP-PTC-14 WSP-PTC-14 WSP-PTC-14 WSP-PTC-14 WSP-PTC-14 WSP-PTC-14 WSP-PTC-14	Bulk SPT Mod Cal SPT SPT Mod Cal SPT Mod Cal SPT Mod Cal	S-2 S-3 S-4a S-4b	0-5 5.5-6 11-11.5 15.5-16 16-16.5 21-21.5 26-26.5 31.0-31.5	30 133 19		Sandy lean CLAY Sandy lean CLAY Lean CLAY wi sand Sandy lean CLAY Sandy lean CLAY Clayey SAND Sandy lean CLAY Sandy lean CLAY	CL C	21.2 19.4 17.4	102.2	122.0 100	100	99	97	75	48	14	34	475	33					7.6	2546	60	22	118.9	10.7		66	249	5.7
WSP-PTC-14 WSP-PTC-14 WSP-PTC-14 WSP-PTC-14 WSP-PTC-15A WSP-PTC-15A	Mod Cal SPT SPT Mod Cal Mod Cal Bulk SPT Mod Cal	S-7 S-8a S-8b S-9a S-9b S-1 S-2 S-3a	31.0-31.5 35.5-36 36-36.5 40.5-41 41-41.5 0-5 5.5-6	38	2.5	Sandy lean CLAY Sandy lean CLAY Sandy lean CLAY Silty SAND Silty SAND Sandy lean CLAY Clayey SAND Sandy fact CLAY	CL CL SM SM CL SC CH	12.3		100	93	83	66	40																			
WSP-PTC-15A WSP-PTC-15A WSP-PTC-15A WSP-PTC-15A WSP-PTC-15A WSP-PTC-16	Mod Cal SPT Mod Cal SPT Mod Cal SPT Mod Cal Bulk Bulk		11 - 11.5 16 - 16.5 21 - 21.5 26 - 26.5 31.0-31.5 0 - 5	14 41 54 26 100		Sandy lean CLAY Sandy lean CLAY Clayey SAND Sandy lean CLAY	CL CL CL CL SC	15.1	90.6	104.3	95	92	81	52	26	17	9			1000	1163	582	1.26					115.1	11.8	6			6.3
WSP-PTC-18 WSP-PTC-19 WSP-PTC-20	Bulk Bulk Bulk	S-1 S-1 S-1	0-5 0-5 0-5			Sandy lean CLAY Sandy lean CLAY Silty SAND	CL SC SM			100	100	100	96 59	65 25	44	13	30											127.5	8.9	13			3.1

Nomograph to Determine Swell Potential and Degree of Expansion

Source: Basma, A., "Prediction of Expansion Degree for Natural Compacted Clays", ASTM Geotechnical Testing Journal, Vol 16, No. 4, 1993, pp. 542-549 Modified by Arzamendi (2021)



MOISTURE & DENSITY TEST ISI Lab No.: G-67908 Client: WSP Project: Pittsburg Technology Center Job no: 31300216.002 WSP-PTC-01 WSP-PTC-01 WSP-PTC-01 WSP-PTC-02A WSP-PTC-02A WSP-PTC-02A WSP-PTC-03 WSP-PTC-03 Boring # Sample # S-2 S-3 S-5b S-2 S-3 S-5 S-2 S-3 6-6.5 21-21.5 6-6.5 11-11.5 21-21.5 6-6.5 11-11.5 Depth (ft.) 11-11.5 Brown silt Brown silty sand Grayish brown Brown clav Brown silt with Brown silt Brown clay Brown sandy clay Soil type: (visual) clayey sand sand 10/18/23 1. Date tested: 10/19/23 10/19/23 10/18/23 10/19/23 10/19/23 10/18/23 10/19/23 2. Tested by: JΗ JΗ JΗ JΗ JH JH JΗ JH 3. Specimen height (in.) 6.00 6.00 6.00 6.00 6.00 829.54 892.34 813.25 811.96 877.43 4. Wt. of specimen + tare (gm) 0.00 0.00 0.00 0.00 0.00 5. Tare wt. (gm) 2.38 2.38 2.38 2.38 6. Diameter (in.) 2.38 Wet wt. of soil + dish wt. (gm) 186.79 223.54 424.82 184.97 237.35 245.71 185.11 216.49 Dry wt. of soil + dish wt. (gm) 164.90 197.15 389.63 166.36 204.74 214.91 164.78 194.09 51.25 50.73 51.25 51.47 51.49 9. Wt. of dish (gm) 50.43 84.97 51.02 10. Dish ID Wet Density (pcf) 118.3 127.2 116.0 115.8 125.1 Dry Density (pcf) 100.3 114.1 95.6 97.5 108.1 Moisture Content (%) 19.3 18.0 11.6 16.1 21.2 18.8 17.9 15.7 Gs (Assumed) 2.70 2.70 2.70 2.70 2.70 2.70 2.70 2.70 Void Ratio 0.680 0.477 0.761 0.729 0.558 Saturation (%) 71.4 65.4 75.3 69.6 76.0 Additional data: Wt. of dry soil + dish before washing (gm) Wt. of dry soil + dish after washing (gm) % Passing # 200 sieve USCS symbol



MOISTURE & DENSITY TEST ISI Lab No.: G-67908 Client: WSP Project: Pittsburg Technology Center Job no: 31300216.002 WSP-PTC-04 WSP-PTC-04 WSP-PTC-05 WSP-PTC-05 WSP-PTC-06 WSP-PTC-06 WSP-PTC-06 WSP-PTC-07 Boring # Sample # S-2 S-5 S-2b S-5b S-2b S-3 S-5 S-2 6-6.5 21-21.5 6-6.5 11-11.5 21-21.5 6-6.5 Depth (ft.) 21-21.5 6-6.5 Brown sandy clay Brown clay Brown silt Grayish brown silt Brown silt Brown sandy silt Brown clay Brown sandy clay Soil type: (visual) 10/18/23 10/18/23 1. Date tested: 10/19/23 10/18/23 10/19/23 10/19/23 10/19/23 10/18/23 2. Tested by: JΗ JΗ JΗ JΗ JH JH JΗ JH 3. Specimen height (in.) 6.00 6.00 6.00 6.00 856.47 785.98 828.71 916.57 4. Wt. of specimen + tare (gm) 0.00 0.00 0.00 0.00 5. Tare wt. (gm) 2.38 2.38 2.38 6. Diameter (in.) 2.38 Wet wt. of soil + dish wt. (gm) 196.16 230.66 189.55 265.58 193.97 359.21 243.91 206.48 Dry wt. of soil + dish wt. (gm) 169.50 192.63 171.65 240.85 176.05 322.70 213.86 185.34 41.56 51.34 51.01 50.51 9. Wt. of dish (gm) 50.74 51.31 85.30 51.11 10. Dish ID 122.1 Wet Density (pcf) 112.1 118.2 130.7 Dry Density (pcf) 96.3 99.1 102.4 110.4 13.0 **Moisture Content (%)** 20.8 26.8 14.9 14.3 15.4 18.4 15.7 Gs (Assumed) 2.70 2.70 2.70 2.70 2.70 2.70 2.70 2.70 Void Ratio 0.699 0.749 0.645 0.526 Saturation (%) 50.4 94 4 96.6 64.4 Additional data: Wt. of dry soil + dish before washing (gm) Wt. of dry soil + dish after washing (gm) % Passing # 200 sieve USCS symbol



MOISTURE & DENSITY TEST ISI Lab No.: G-67908 Client: WSP Project: Pittsburg Technology Center Job no: 31300216.002 WSP-PTC-07 WSP-PTC-08 WSP-PTC-08 WSP-PTC-08 WSP-PTC-09 WSP-PTC-09 WSP-PTC-09 WSP-PTC-10 Boring # Sample # S-5b S-2 S-3 S-5 S-2 S-3b S-5 S-2 21-21.5 6-6.5 11-11.5 21-21.5 6-6.5 11-11.5 21-21.5 6-6.5 Depth (ft.) Brown clay Brown silt Dark brown sandy Brown sandy clay Brown silt Grayish brown Grayish brown Brown clay Soil type: (visual) clay silty sand silty sand 10/18/23 1. Date tested: 10/19/23 10/18/23 10/19/23 10/19/23 10/20/23 10/20/23 10/19/23 2. Tested by: JH JΗ JΗ JΗ JH JH JΗ JH 3. Specimen height (in.) 6.00 6.00 6.00 6.00 6.00 927.32 4. Wt. of specimen + tare (gm) 900.46 912.64 777.99 761.31 0.00 0.00 0.00 0.00 0.00 5. Tare wt. (gm) 2.38 2.38 2.38 2.38 6. Diameter (in.) 2.38 Wet wt. of soil + dish wt. (gm) 275.78 188.94 236.33 248.48 189.19 253.75 225.39 229.40 Dry wt. of soil + dish wt. (gm) 238.65 172.17 204.55 219.02 169.35 228.27 203.77 199.17 50.94 50.66 50.13 9. Wt. of dish (gm) 51.04 50.75 51.03 50.09 50.78 10. Dish ID Wet Density (pcf) 132.2 128.4 130.1 110.9 108.6 Dry Density (pcf) 106.4 110.8 110.4 97.0 95.2 17.5 Moisture Content (%) 19.8 13.8 20.7 16.6 14.4 14.1 20.4 Gs (Assumed) 2.70 2.70 2.70 2.70 2.70 2.70 2.70 2.70 Void Ratio 0.521 0.526 0.583 0.737 0.770 Saturation (%) 90.7 101.5 95.7 52.7 49.3 Additional data: Wt. of dry soil + dish before washing (gm) Wt. of dry soil + dish after washing (gm) % Passing # 200 sieve USCS symbol

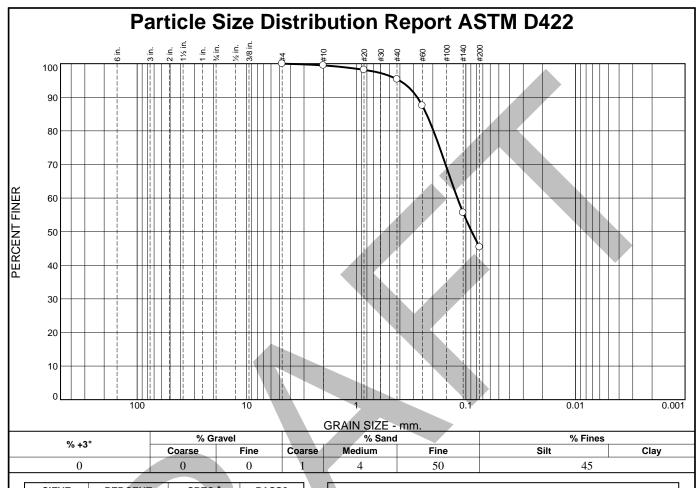


MOISTURE & DENSITY TEST ISI Lab No.: G-67908 Client: WSP Project: Pittsburg Technology Center Job no: 31300216.002 WSP-PTC-10 WSP-PTC-11 WSP-PTC-11 WSP-PTC-12 WSP-PTC-12 WSP-PTC-12 WSP-PTC-13 WSP-PTC-13 Boring # Sample # S-5b S-2 S-5 S-2 S-3 S-5 S-2b S-3 20.5-21 21-21.5 6-6.5 20.5-21 6-6.5 11-11.5 6-6.5 11-11.5 Depth (ft.) Grayish brown silt Grayish brown Grayish brown Grayish brown Brown silty sand Grayish brown Grayish brown Brown sandy clay Soil type: (visual) sandy clay silty sand clay clay clay 1. Date tested: 10/20/23 10/19/23 10/19/23 10/19/23 10/20/23 10/20/23 10/19/23 10/20/23 2. Tested by: JH JΗ JΗ JΗ JH JH JΗ JH 3. Specimen height (in.) 6.00 6.00 6.00 6.00 707.54 824.88 918.00 894.95 4. Wt. of specimen + tare (gm) 0.00 0.00 0.00 0.00 5. Tare wt. (gm) 2.38 2.38 2.38 2.38 6. Diameter (in.) Wet wt. of soil + dish wt. (gm) 277.23 184.66 201.63 191.46 232.19 301.76 174.36 218.93 8. Dry wt. of soil + dish wt. (gm) 247.52 167.55 188.54 171.15 210.19 267.51 154.61 189.54 51.07 51.07 50.64 51.11 9. Wt. of dish (gm) 51.07 51.03 50.75 50.14 10. Dish ID Wet Density (pcf) 117.6 100.9 130.9 127.6 Dry Density (pcf) 102.2 88.7 113.0 105.3 Moisture Content (%) 15.1 14.7 9.5 16.9 13.8 15.8 18.9 21.2 Gs (Assumed) 2.70 2.70 2.70 2.70 2.70 2.70 2.70 2.70 Void Ratio 0.649 0.900 0.490 0.600 Saturation (%) 95.5 62.9 41.4 87.0 Additional data: Wt. of dry soil + dish before washing (gm) Wt. of dry soil + dish after washing (gm) % Passing # 200 sieve USCS symbol



		<u>ST</u>						
Client :	WSP		_ Project :	Pittsburg Techn	ology Center		ISI Lab No.: Job no :	G-67908 31300216.002
Boring #	WSP-PTC-13	WSP-PTC-14	WSP-PTC-14	WSP-PTC-15A	WSP-PTC-15A			
Sample #	S-5	S-2	S-5	S-2	S-5			
Depth (ft.)	21-21.5	6-6.5	21-21.5	6-6.5	21-21.5			
Soil type: (visual)	Brown silt	Brown clay	Brown sandy silt	Brown silty sand	Brown sandy silt			
1. Date tested:	10/20/23	10/19/23	10/20/23	10/19/23	10/20/23			
2. Tested by:	JH	JH	JH	JH	JH			
3. Specimen height (in.)	6.00		6.00		6.00			
4. Wt. of specimen + tare (gm)	812.03		873.04		716.13			
5. Tare wt. (gm)	0.00		0.00		0.00			
6. Diameter (in.)	2.38		2.38		2.38			
7. Wet wt. of soil + dish wt. (gm)	242.23	187.14	373.66	167.66	239.67			
8. Dry wt. of soil + dish wt. (gm)	210.92	163.42	330.84	154.95	216.07			
9. Wt. of dish (gm)	50.66	51.31	85.01	51.46	51.41			
0. Dish ID								
Wet Density (pcf)	115.8		124.5		102.1			
Dry Density (pcf)	96.9		106.0		89.3			
Moisture Content (%)	19.5	21.2	17.4	12.3	14.3			
Gs (Assumed)	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70
Void Ratio	0.739		0.589		0.886			
Saturation (%)	71.4		79.8		43.7			
Additional data: Wt. of dry soil + dish before washing (gm) Wt. of dry soil + dish after washing (gm)								
% Passing # 200 sieve								
USCS symbol								





					'	<u>'</u>	
SIEVE	PERCENT	SPEC.*	PASS?			Material Description	
SIZE	FINER	PERCENT	(X=NO)		Brown silty sand	•	
#4 #10 #20 #40 #60 #140 #200	100 99 98 95 88 56 45				PL= 21 D ₉₀ = 0.2779 D ₅₀ = 0.0884 D ₁₀ = USCS= SM	Atterberg Limits LL= 24 Coefficients D85= 0.2288 D30= Cu= Classification AASHTO= Remarks	PI= 3 $D_{60} = 0.1195$ $D_{15} = C_{c} = A-4(0)$
* (no spe	ecification provided)						
Source of S Sample Nur	Sample: WSP-P7 mber: S-3	ΓC-01 D e	epth: 11-11.5				Date: 10-30-

Client: WSP Project:

Project No:

Pittsburg Technology Center

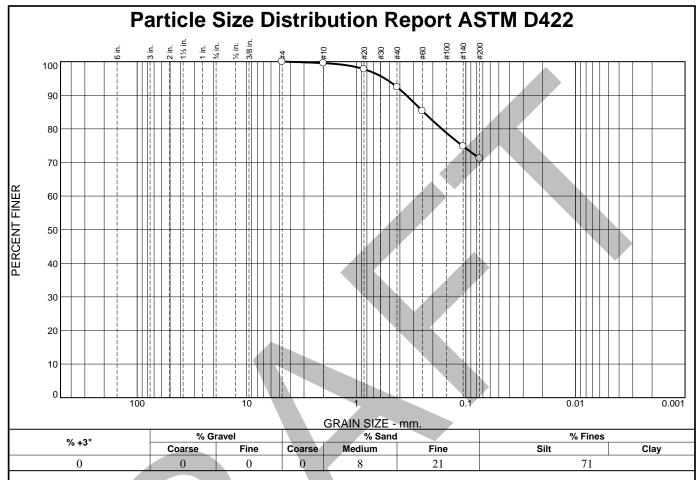
31300216.002

2998-003.1

Date: 10-30-23

Figure

Tested By: SK Checked By: JH



Г							
ı	SIEVE	PERCENT	SPEC.*	PASS?			Material Description
ı	SIZE	FINER	PERCENT	(X=NO)		Brown silt with sa	and
ı	#4	100			\ 		
ı	#10	100					
ı	#20	98					Atterberg Limits
ı	#40 #60	92 85				PL=	LL=
ı	#140	75					Coefficients
ı	#200	71				$D_{00} = 0.3494$	D ₈₅ = 0.2434
ł						D ₉₀ = 0.3494 D ₅₀ = D ₁₀ =	D ₈₅ = 0.2434 D ₃₀ = C _u =
ı						D ₁₀ =	C _u =
1							Classification
ı						USCS= ML	AASHTO=
ı							Remarks
ı							
ı							
1							
ľ	* (no spe	ecification provided)					

Client: WSP

Depth: 11-11.5

Project: Pittsburg Technology Center

31300216.002

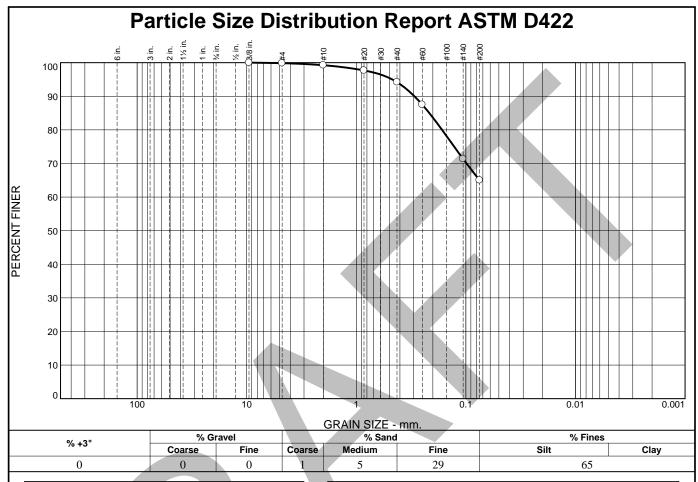
Project No: 2998-003.1 Figure

PI=

Date: 11-1-23

Tested By: SK Checked By: JH

Source of Sample: WSP-PTC-02A **Sample Number:** S-3



1							
ı	SIEVE	PERCENT	SPEC.*	PASS?			Material De
ı	SIZE	FINER	PERCENT	(X=NO)		Brown sandy clay	
ı	3/8	100			1 1		
ı	#4	100					
ı	#10 #20	99					Atterbero
ı	#40	98 94				PL= 20	Atterberg LL= 43
ı	#60	87					Coeffic
ı	#140	71				$D_{90} = 0.2951$	D ₈₅ = 0.
1	#200	65				D ₉₀ = 0.2951 D ₅₀ = D ₁₀ =	D ₈₅ = 0. D ₃₀ = C _u =
ı						D ₁₀ =	
1						LIOOO GY	<u>Classifi</u>
ı						USCS= CL	
							Rema
Ì							
ı							
1	*	10 1 1 1			J		
ı	(no spe	ecification provided)					

Description g Limits PI= 23 icients 0.2157 fication AASHTO= A-7-6(13) <u>narks</u>

Source of Sample: WSP-PTC-03 **Sample Number:** S-3

Depth: 11-11.5

Date: 10-30-23

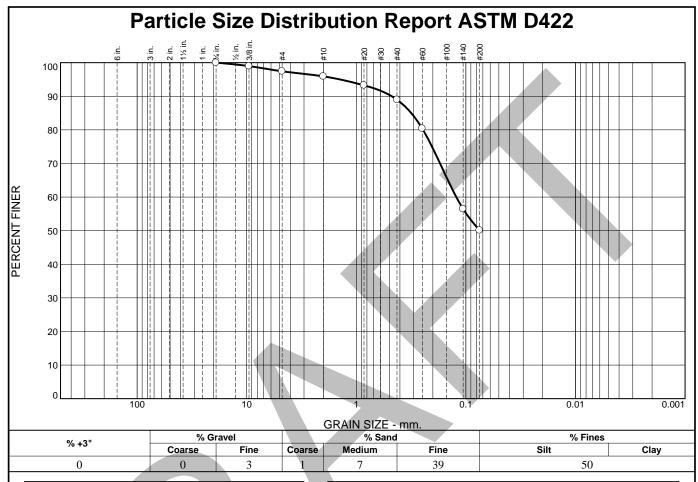


Client: WSP

Project: Pittsburg Technology Center

31300216.002

Project No: 2998-003.1 **Figure**



				·		•	•	
	SIEVE	PERCENT	SPEC.*	PASS?			Material Description	
	SIZE	FINER	PERCENT	(X=NO)		Brown sandy clay		
	3/4	100			l '			
l	3/8	99						
l	#4	97					Atterberg Limits	
l	#10	96				PL=	LL=	PI=
l	#20	93				· L-	LL-	–
l	#40	89					<u>Coefficients</u>	
	#60	80				D ₉₀ = 0.4752 D ₅₀ = D ₁₀ =	D ₈₅ = 0.3152 D ₃₀ = C _u =	D ₆₀ = 0.1223 D ₁₅ = C _c =
	#140	56				D ₅₀ =	D ₃₀ =	D15=
	#200	50				D ₁₀ =	C _u =	C _C =
							Classification	
						USCS= CL	AASHTO=	
							Remarks	
	* (no spe	cification provided)	1	1				
1	(3.1 a.b.)	projection,						

Source of Sample: WSP-PTC-04 **Sample Number:** S-2

Depth: 6-6.5

Client: WSP

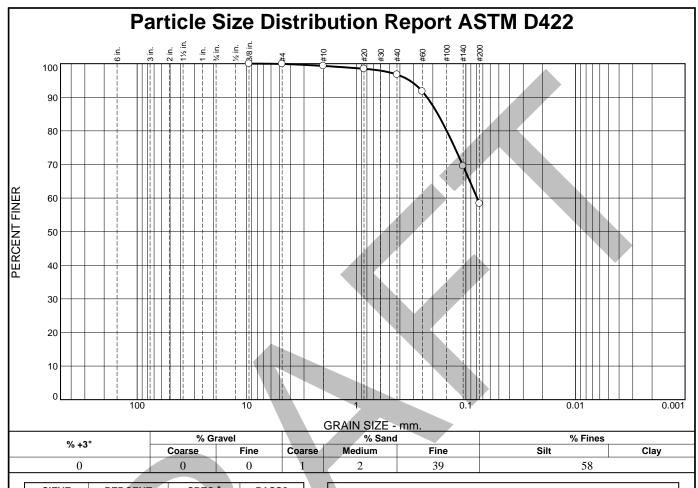
Project: Pittsburg Technology Center

Date: 10-30-23

Figure

31300216.002

Project No: 2998-003.1



ı							
	SIEVE	PERCENT	SPEC.*	PASS?		Material Description	
	SIZE	FINER	PERCENT	(X=NO)	Brown sandy silt		
	3/8	100					
	#4	100					
	#10	99				Atterberg Limits	
	#20 #40	98 97			PL=	LL=	PI=
	#60	92				Coefficients	
L	#140	70			$D_{90} = 0.2262$	D ₈₅ = 0.1804	D ₆₀ = 0.0789
	#200	58			D ₉₀ = 0.2262 D ₅₀ = D ₁₀ =	D ₈₅ = 0.1804 D ₃₀ = C _u =	D ₆₀ = 0.0789 D ₁₅ = C _c =
					D ₁₀ =	o _u =	C _C =
1					11000 34	Classification	
					USCS= ML	AASHTO:	=
						Remarks	
	(no spe	ecification provided)					
1							

Source of Sample: WSP-PTC-05 **Sample Number:** S-3

Depth: 11-11.5

Date: 11-1-23



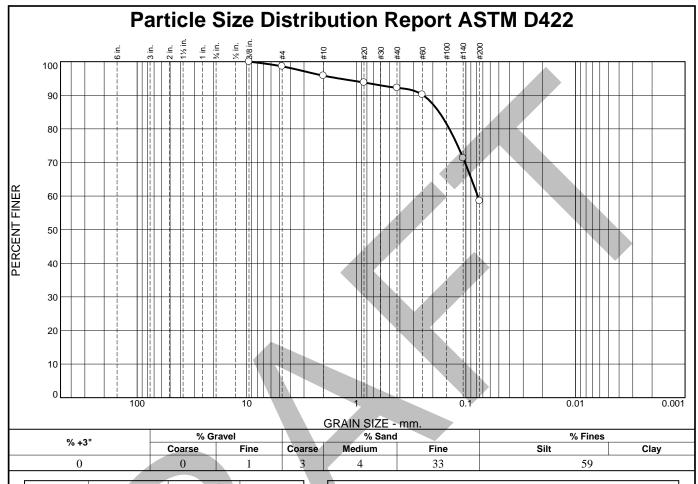
Client: WSP

Project: Pittsburg Technology Center

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Project No: 2998-003.1

Figure



S	EVE	PERCENT	SPEC.*	PASS?		Material Description	
8	SIZE	FINER	PERCENT	(X=NO)	Brown sandy silt	•	
	3/8	100					
	#4	99					
	#10 #20	96 94			. .	Atterberg Limits	
	4 40	92			PL=	LL=	PI=
	#60 :140	90 71			D 0.2454	Coefficients	D 0.0770
	200	59			D ₉₀ = 0.2454 D ₅₀ = D ₁₀ =	D ₈₅ = 0.1756 D ₃₀ = C _u =	D ₆₀ = 0.0779 D ₁₅ = C _c =
					D ₁₀ =	Cu≝	C _c =
						Classification	
					USCS= ML	AASHTO=	
						<u>Remarks</u>	
	* (no spe	cification provided)					

Source of Sample: WSP-PTC-06 **Sample Number:** S-3

Depth: 11-11.5

Client: WSP

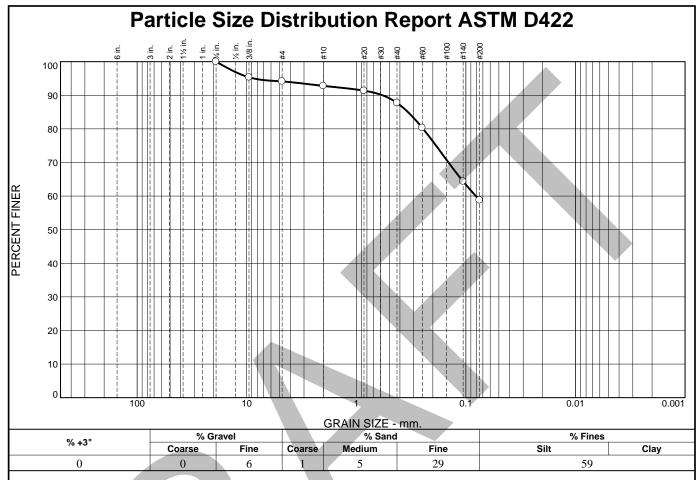
Project: Pittsburg Technology Center

Date: 11-1-23

Figure

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Project No: 2998-003.1



	015)/5	DEDÁENT	0050 *	D4.000	1			
	SIEVE	PERCENT	SPEC.*	PASS?			Material Description	
	SIZE	FINER	PERCENT	(X=NO)		Brown sandy clay		
	3/4	100			l '			
	3/8	95						
	#4	94					Atterberg Limits	
	#10	93 91				PL=	LL=	PI=
	#20 #40	88			Ĭ		O a afficienta	
Ш	#60	80				D ₉₀ = 0.5772	Coefficients D ₈₅ = 0.3377	Dec = 0.0812
	#140	64				D ₅₀ = 0.3772	D ₃₀ =	D ₁₅ = 0.0012
	#200	59				D ₅₀ = D ₁₀ =	D ₃₀ = C _u =	D ₆₀ = 0.0812 D ₁₅ = C _c =
							Classification	
						USCS= CL	AASHTO=	:
							Domonto	
							<u>Remarks</u>	
	* (no spe	ecification provided)			J			
1 5	Source of S	Sample: WSP-PT mber: S-2	TC-07 D e	epth: 6-6.5				5 . 10 20 22
{	Sample Nur	mber: S-2						Date: 10-30-23

Client: WSP Project:

Project No:

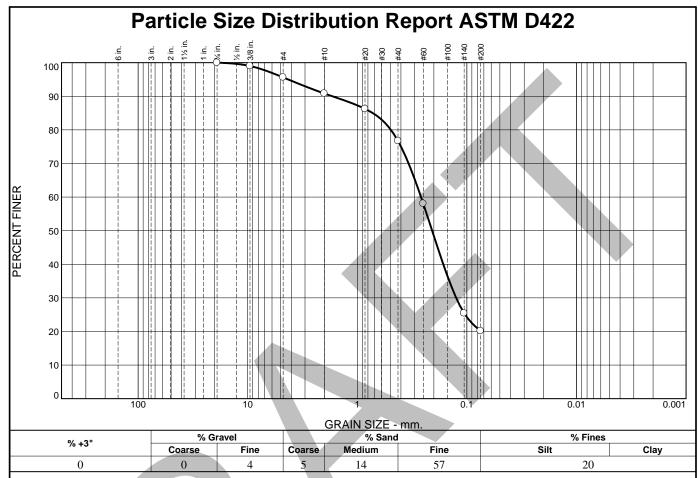
Pittsburg Technology Center

31300216.002

2998-003.1

Figure

Tested By: SK Checked By: JH



				- 1
SIEVE	PERCENT	SPEC.*	PASS?	\mathbb{N}
SIZE	FINER	PERCENT	(X=NO)	l `
3/4	100			1
3/8	99			
#4	96			
#10	91			
#20	86			
#40	77			
#60	58			1
#140	25			1
#200	20			1
				1
				1
				1
				1
				1
* (no spe	ecification provided)			

Material Description Grayish brown silty sand Atterberg Limits LL= PI= PL= Coefficients D₉₀= 1.6941 D₅₀= 0.2075 D₁₀= $\begin{array}{ccc} D_{60} = & 0.2620 \\ D_{15} = & \\ C_{c} = & \end{array}$ D₈₅= 0.7225 D₃₀= 0.1253 C_u= Classification AASHTO= USCS= SM **Remarks**

Source of Sample: WSP-PTC-09 **Sample Number:** S-3b

Depth: 11-11.5

Date: 11-1-23



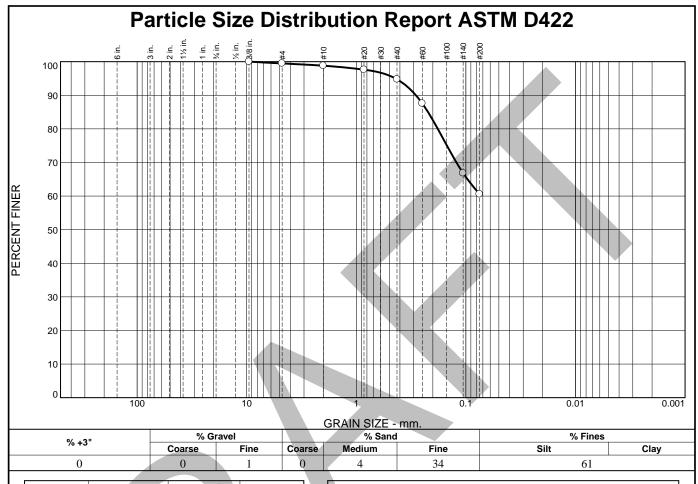
Client: WSP

Project: Pittsburg Technology Center

31300216.002

2998-003.1 Project No:

Figure



SIEVE	PERCENT	SPEC.*	PASS?
SIZE	FINER	PERCENT	(X=NO)
3/8	100		
#4	99		
#10	99		
#20	98		
#40	95		
#60	88		
#140	67		
#200	61		
*	ecification provided)		

Material Description Grayish brown sandy clay Atterberg Limits
LL= PI= PL= Coefficients D₉₀= 0.2859 D₅₀= D₁₀= D₈₅= 0.2216 D₃₀= C_u= Classification AASHTO= USCS= CL **Remarks**

Source of Sample: WSP-PTC-11 **Sample Number:** S-2

Depth: 6-6.5

Date: 10-30-23

Figure

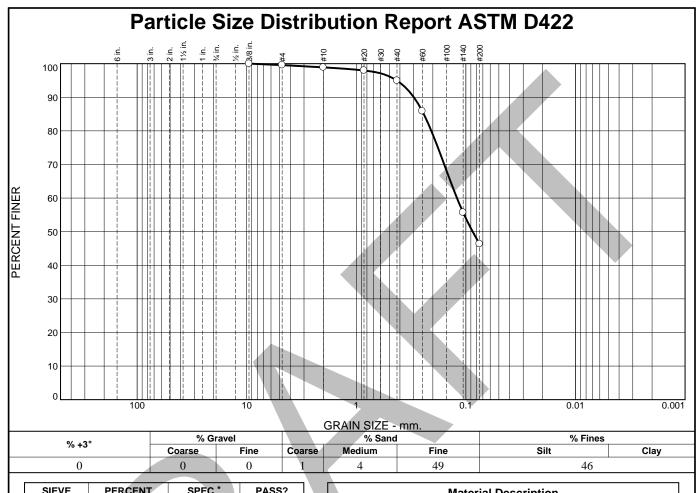


Client: WSP

Project: Pittsburg Technology Center

31300216.002

2998-003.1 Project No:



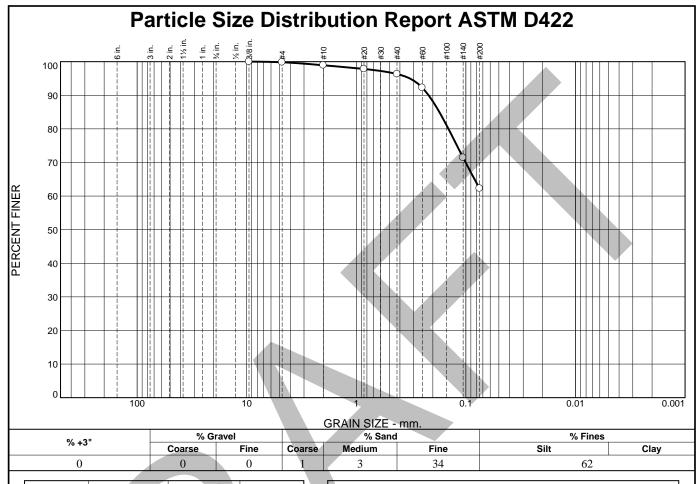
ı								
	SIEVE	PERCENT	SPEC.*	PASS?			Material Description	
	SIZE	FINER	PERCENT	(X=NO)		Brown silty sand	•	
	3/8	100			1			
	#4	100						
	#10 #20	99 98					Atterberg Limits	
	#40	95				PL=	LL=	PI=
	#60	86					Coefficients	
	#140	56				D ₉₀ = 0.2984	D ₈₅ = 0.2422	$D_{60} = 0.1206$
	#200	46				D ₉₀ = 0.2984 D ₅₀ = 0.0867 D ₁₀ =	D ₈₅ = 0.2422 D ₃₀ = C _u =	D ₁₅ = C _c =
						10	Classification	· ·
						USCS= SM	AASHTO=	
			_				Remarks	
							Kemarks	
	* (no spe	ecification provided)						
	Source of S	Sample: WSP-PT	ГС-12 De	epth: 11-11.5				
	Sample Nur	mber: S-3		F 11 11.5				Date: 11-1-23

Client: WSP

Project: Pittsburg Technology Center

31300216.002

Project No: 2998-003.1 **Figure**



ı								
I	SIEVE	PERCENT	SPEC.*	PASS?			Material Description	
I	SIZE	FINER	PERCENT	(X=NO)		Brown sandy clay	,	
I	3/8	100			l '			
I	#4	100						
I	#10	99					Atterberg Limits	
I	#20	98				PL= 17	LL= 40	PI= 23
I	#40 #60	96 92			ľ			
I	#140	71				Dage 0.2188	Coefficients	Daa-
l	#200	62				D50= 0.2188	D ₂₀ = 0.1747	D ₆₀ -
ı	,,200	02				D ₉₀ = 0.2188 D ₅₀ = D ₁₀ =	D ₈₅ = 0.1747 D ₃₀ = C _u =	D ₆₀ = D ₁₅ = C _c =
l							Classification	
l						USCS= CL	AASHTO=	A-6(12)
l							<u>Remarks</u>	
۱								
ı								
۱	*]			
١	(no spe	ecification provided)						

Depth: 11-11.5

Client: WSP

Project: Pittsburg Technology Center

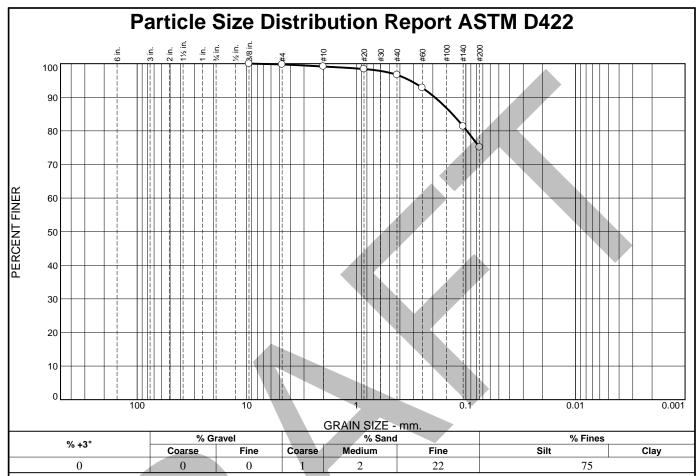
31300216.002

Project No: 2998-003.1 **Figure**

Date: 11-1-23

Tested By: SK Checked By: JH

Source of Sample: WSP-PTC-13 **Sample Number:** S-3



Г							
ı	SIEVE	PERCENT	SPEC.*	PASS?			Material Description
ı	SIZE	FINER	PERCENT	(X=NO)		Brown clay with	sand
ı	3/8	100			\ 		
ı	#4	100					
ı	#10	99					Atterberg Limits
ı	#20 #40	98 97				PL=	LL=
ı	#40 #60	93					Coefficients
ı	#140	81				$D_{00} = 0.1925$	Dog= 0.1329
И	#200	75				D ₉₀ = 0.1925 D ₅₀ = D ₁₀ =	D ₈₅ = 0.1329 D ₃₀ = C _u =
L						D ₁₀ =	Cui
							Classification
ı						USCS= CL	AASHTO=
ı							Remarks
							<u></u>
П							
I							
	* (no spe	ecification provided)			•		

Source of Sample: WSP-PTC-14 **Sample Number:** S-3

Depth: 11-11.5

Client: WSP

Project: Pittsburg Technology Center

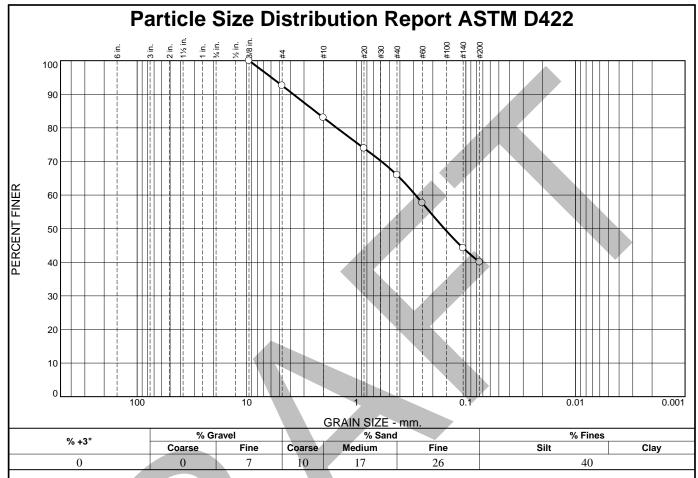
31300216.002

Project No: 2998-003.1

PI=

Date: 10-31-23

Figure



SIEVE	PERCENT	SPEC.*	PASS?
SIZE	FINER	PERCENT	(X=NO)
3/8	100		
#4	93		
#10	83		
#20	74		
#40	66		
#60	58		
#140	44		
#200	40		

	Brown silty sand	Material Description	
•	PL=	Atterberg Limits LL=	PI=
	D ₉₀ = 3.7563 D ₅₀ = 0.1571 D ₁₀ =	$\begin{array}{c} \textbf{Coefficients} \\ \textbf{D_{85}} = 2.3875 \\ \textbf{D_{30}} = \\ \textbf{C_{u}} = \end{array}$	D ₆₀ = 0.2881 D ₁₅ = C _c =
	USCS= SM	Classification AASHTO=	
		<u>Remarks</u>	

Source of Sample: WSP-PTC-15A **Sample Number:** S-2

Depth: 6-6.5

Date: 11-1-23

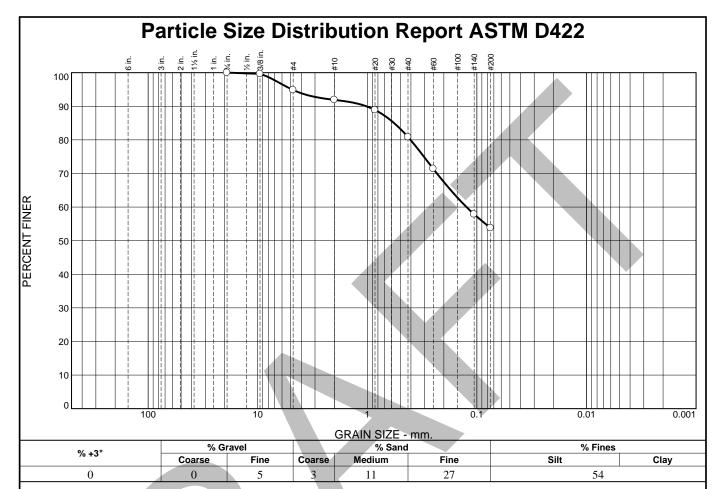


Client: WSP

Project: Pittsburg Technology Center

31300216.002

Project No: 2998-003.1 **Figure**



SIEVE	PERCENT	SPEC.*	PASS?	ľ
SIZE	FINER	PERCENT	(X=NO)	l
3/4	100			l
3/8	100			l
#4	95			L
#10	92			l
#20	89			l
#40	81			l
#60	71			l
#140	58			l
#200	54			l
				l
				l
				l
				l
				l
				l
				l
* (no spe	ecification provided)			l

Material Description Grayish brown sandy clay Atterberg Limits
LL= PI= PL= $\begin{array}{c} \underline{\text{Coefficients}} \\ \text{D}_{85} = 0.5702 \\ \text{D}_{30} = C_u = \end{array}$ D₉₀= 1.0205 D₅₀= D₁₀= $\begin{array}{ccc} D_{60} = & 0.1243 \\ D_{15} = & \\ C_{c} = & \end{array}$ Classification AASHTO= USCS= **Remarks**

Source of Sample: WSP-PTC-16 **Sample Number:** S-1

Depth: 0-5

Client: WSP

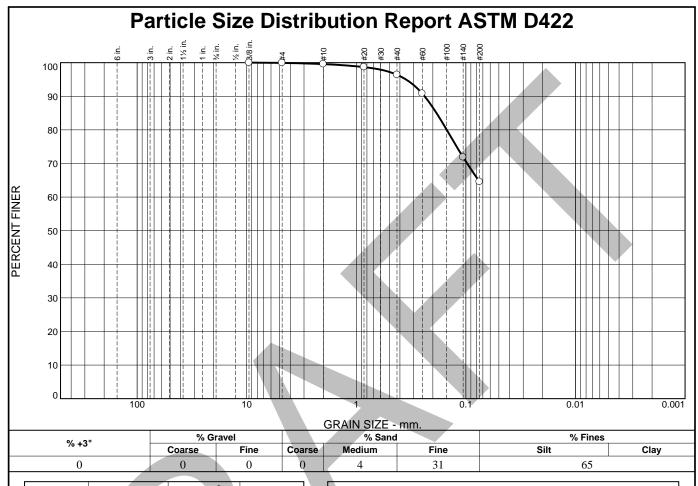
Project: Pittsburg Technology Center

31300216.002

2998-003.1 **Project No:**

Figure

Date: 10-30-23



SIZE FINER PERCENT (X=NO) 3/8 100 (X=NO) #4 100 (X=NO) #10 100 (X=NO) #20 99 (X=NO) #40 96 (X=NO) <th>SIEVE</th> <th>PERCENT</th> <th>SPEC.*</th> <th>PASS?</th>	SIEVE	PERCENT	SPEC.*	PASS?
#4 #10 100 100 #20 99 #40 96 #60 91 #140 72	SIZE	FINER	PERCENT	(X=NO)
#10 #20 #40 #60 #140 96 #140 72	3/8	100		
#20 99 #40 96 #60 91 #140 72	#4	100		
#40 96 #60 91 #140 72	#10	100		
#60 #140 91 72	#20	99		
#140 72	#40	96		
	#60	91		
#200 65	#140	72		
	#200	65		

	Material Description	
Brown sandy clay		
PL=	Atterberg Limits LL=	PI=
D ₉₀ = 0.2383 D ₅₀ = D ₁₀ =	Coefficients D ₈₅ = 0.1855 D ₃₀ = C _u =	D ₆₀ = D ₁₅ = C _c =
USCS= CL	<u>Classification</u> AASHTO=	
	<u>Remarks</u>	

Source of Sample: WSP-PTC-18 **Sample Number:** S-1

Depth: 0-5

Date: 10-31-23

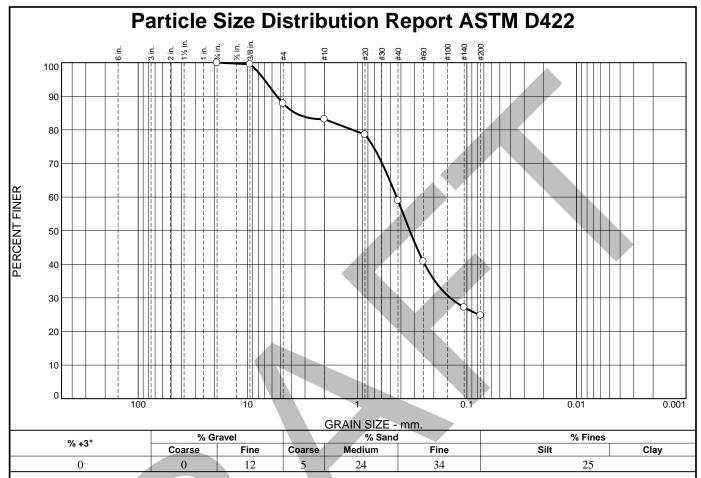


Client: WSP

Project: Pittsburg Technology Center

31300216.002

Project No: 2998-003.1 **Figure**



SIEVE	PERCENT	SPEC.*	PASS?
SIZE	FINER	PERCENT	(X=NO)
3/4	100		
3/8	100		
#4	88		
#10	83		
#20	79		
#40	59		
#60	41		
#140	27		
#200	25		
*			

Material Description Grayish brown clayey sand Atterberg Limits LL= PI= PL= Coefficients D₈₅= 3.6692 D₃₀= 0.1419 C_u= $\begin{array}{ll} D_{60} = & 0.4379 \\ D_{15} = & \\ C_{c} = & \end{array}$ D₉₀= 5.4154 D₅₀= 0.3318 D₁₀= Classification AASHTO= USCS= SC **Remarks**

Source of Sample: WSP-PTC-20 **Sample Number:** S-1

Depth: 0-5

Client: WSP

Project: Pittsburg Technology Center

31300216.002

2998-003.1 **Project No:**

Figure

Date: 10-30-23

Tested By: JH

Checked By: JH

ASTM D-1140 PERCENT PASSING NO. 200 SIEVE REPORT

Method A

Specimens Soaked Overnight without Deflocculating Agent Dry Mass Determined Directly

Client Name WSP

Project Name Pittsburg Technology Center

Project Number 31300216.002

Boring Number	WSP-PTC-15A		
Sample Number	S-3b		
Depth (ft)	11-11.5		
Percent of Soil Finer than No. 200 Sieve	51.8		
Visual Classification	Yellowish brown sandy clay		
Date	10/29/23		
Weight of Dry Soil + Pan (before wash)	473.1		
Weight of Dry Soil + Pan (after wash)	314.3		
Weight of Pan	166.3		



ASTM D-1140 PERCENT PASSING NO. 200 SIEVE REPORT

Method A

Specimens Soaked Overnight without Deflocculating Agent Dry Mass Determined Directly

Client Name WSP

Project Name Pittsburg Technology Center

Project Number 31300216.002

Boring Number	WSP-PTC-04	WSP-PTC-07	WSP-PTC-08	WSP-PTC-10	WSP-PTC-11
Sample Number	S-3a	S-3	S-38	S-3	S-3
Depth (ft)	10.5-11	11-11.5	11-11.5	11-11.5	11-11.5
Percent of Soil Finer than No. 200 Sieve	66.2	58.6	67.6	69.6	68.0
Visual Classification	Brown sandy clay	Brown sandy clay	Dark brown sandy clay	Brown sandy clay	Dark brown sandy clay
Date	10/28/23	10/28/23	10/19/23	10/28/23	10/28/23
Weight of Dry Soil + Pan (before wash)	498.0	604.8	204.6	608.7	615.6
Weight of Dry Soil + Pan (after wash)	291.5	338.4	100.7	343.9	355.0
Weight of Pan	186.1	150.4	50.8	228.4	232.5



UNCONSOLIDATED UNDRAINED COMPRESSION TEST - ASTM D2850

Client: WSP

Project: Pittsburg Technology Center

0.03 inch/min

Job #: 31300216 Boring # WSP-PTC-04

Sample #: S-3a Depth (ft): 10.5-11 Date tested: 10/28/23

Soil: Brown sandy clay

Specimen:	Total wt. =	712.8	gms
	Ht. =	5.450	in
	Ave dia. =	2.380	in
	Area =	4.451	sq.in
	Volume =	397.5	c.c.

Shearing rate =

Shearing rate = 0.5 %/min Gs (assumed) = 2.70

Test Report: Void ratio = Ht/Dia ratio = 2.29 Moisture = 23.0 Total density = 111.9 pcf Dry density = 91.0 pcf Saturation = 72.9 % Chamber pressure = 1000 psf Max. deviator stress = 1653 psf 2.76 Strain @ failure =

1800 1600 1200 1200 1000 400 200 0 2 4 6 8 10 12 14 16 18 20 Axial strain (%)

Data Reduction:

Dial factor = 1.0 in/unit Load factor = 1.0 lb/unit

			Axial	Deviator
	Dial	Load	Strain	Stress
4	Read.	Read.	(%)	(psf)
	-0.002		0.00	0.0
	0.003	3.5	0.08	114.2
	0.005	3.5	0.13	114.1
	0.008	3.5	0.18	114.1
	0.011	6.3	0.23	202.0
4	0.018	10.7	0.36	346.2
	0.025	14.1	0.49	455.5
	0.032	20.6	0.62	662.8
	0.039	25.0	0.75	802.8
	0.046	28.1	0.87	901.3
	0.053	31.1	1.00	994.8
	0.072	38.9	1.35	1242.4
	0.099	47.1	1.86	1494.1
	0.127	51.7	2.36	1632.3
	0.149	52.5	2.76	1652.6
	0.181	52.1	3.36	1629.9
	0.209	51.0	3.86	1587.7
	0.231	49.8	4.26	1541.4
	0.258	47.2	4.77	1454.8
	0.302	44.3	5.57	1352.2
	0.370	41.7	6.82	1257.5
	0.438	41.4	8.07	1230.1



Client: WSP

Project: Pittsburg Technology Center

Job #: 31300216 Boring # WSP-PTC-07

Sample # : S-3
Depth (ft) : 11-11.5
Date tested : 10/28/23

Soil: Brown sandy clay

Specimen:	Total wt. =	892.1	gms
	Ht. =	5.620	in
	Ave dia. =	2.380	in
	Area =	4.451	sq.in
	Volume =	409.9	C.C.

Shearing rate = 0.04 inch/min Shearing rate = 0.75 %/min

Gs (assumed) = 2.70

Test Report:	Void ratio =_	0.426	
	Ht/Dia ratio =	2.36	
	Moisture =	14.9	%
	Total density =	135.8	pcf
	Dry density =	118.2	pcf
	Saturation =	94.7	%
	Chamber pressure =	1000	psf
	Max. deviator stress =	18850	psf
	Strain @ failure =	4.07	%

20000 18000 14000 14000 10000 4000 2000 0 2 4 6 8 10 12 14 16 18 20 Axial strain (%)

Data Reduction:

			Axial	Deviator
	Dial	Load	Strain	Stress
4	Read.	Read.	(%)	(psf)
	-0.002		0.00	0.0
	0.002	4.6	0.08	149.9
	0.005	4.6	0.13	149.8
	0.008	4.6	0.18	149.7
	0.011	31.8	0.23	1028.0
4	0.018	63.7	0.35	2055.3
	0.025	84.7	0.48	2726.4
	0.033	128.8	0.61	4141.8
	0.039	157.3	0.73	5052.6
	0.047	185.2	0.86	5939.8
	0.054	211.9	0.99	6788.7
	0.074	281.3	1.34	8978.1
	0.102	377.4	1.85	11985.5
	0.130	465.1	2.35	14694.8
	0.158	534.6	2.85	16804.4
	0.187	581.7	3.36	18188.1
	0.227	607.3	4.07	18849.8
	0.244	589.7	4.37	18247.2
	0.266	364.4	4.77	11228.6
	0.311	155.7	5.57	4758.3
	0.382	59.0	6.82	1778.5



Client: WSP

Project: Pittsburg Technology Center

Job #: 31300216 Boring # WSP-PTC-10

Sample # : S-3 Depth (ft) : 11-11.5 Date tested : 10/28/23

Soil: Brown sandy clay

Specimen: Total wt. = 815.8 gms Ht. = 5.620 in Ave dia. = 2.380 in

Area = 4.451 sq.in
Volume = 409.9 c.c.
Shearing rate = 0.04 inch/min
Shearing rate = 0.75 %/min

Gs (assumed) = 2.70

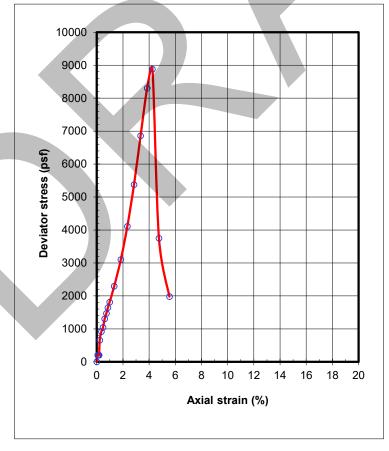
Chamber pressure = 1000 psf

Max. deviator stress = 8881 psf

Strain @ failure = 4.25 %

Data Reduction:

			Axial	Deviato
	Dial	Load	Strain	Stress
	Read.	Read.	(%)	(psf)
				. ,
•	-0.002		0.00	0.0
	0.002	6.3	0.08	203.0
	0.005	6.3	0.13	202.9
	0.008	6.3	0.18	202.8
	0.011	20.3	0.23	654.3
4	0.018	28.4	0.35	914.3
	0.025	32.4	0.48	1044.3
	0.032	40.5	0.60	1302.3
	0.039	45.7	0.73	1469.4
	0.046	51.4	0.86	1648.0
h	0.053	56.6	0.98	1812.8
	0.073	71.8	1.33	2292.5
	0.101	97.7	1.84	3103.4
	0.129	130.1	2.34	4109.5
	0.158	171.1	2.85	5378.4
	0.186	219.2	3.35	6856.0
	0.214	266.9	3.85	8303.7
	0.237	286.7	4.25	8881.0
	0.265	121.7	4.75	3751.9
	0.310	64.8	5.55	1981.1





Client: WSP

Project: Pittsburg Technology Center

Job #: 31300216 Boring # WSP-PTC-11

Sample # : S-3 Depth (ft) : 11-11.5 Date tested : 10/28/23

Soil: Dark brown sandy clay

Specimen: Total wt. = 801.8 gms Ht. = 5.620 in Ave dia. = 2.380 in

Area = 2.300 iii

Area = 4.451 sq.in

Volume = 409.9 c.c.

Shearing rate = 0.04 inch/min

Shearing rate = 0.75 Gs (assumed) = 2.70

Test Report: Void ratio = 0.679
Ht/Dia ratio = 2.36
Moisture = 21.7

Total density = 122.1 pcf
Dry density = 100.3 pcf
Saturation = 86.1 %

%/min

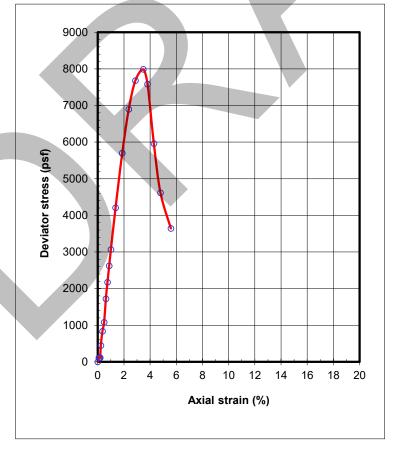
Chamber pressure = 1000 psf

Max. deviator stress = 7987 psf

Strain @ failure = 3.48 %

Data Reduction:

			Axial	Deviator
	Dial	Load	Strain	Stress
4	Read.	Read.	(%)	(psf)
	-0.002		0.00	0.0
	0.003	3.4	0.09	110.0
	0.005	3.4	0.13	109.9
	0.009	3.4	0.19	109.9
	0.011	13.8	0.23	444.3
4	0.018	25.9	0.36	834.4
	0.026	33.6	0.49	1082.1
	0.033	53.4	0.62	1718.1
	0.040	67.7	0.74	2173.6
	0.047	81.7	0.87	2621.1
	0.055	95.8	1.01	3068.1
	0.075	131.9	1.36	4209.1
	0.103	179.5	1.87	5698.5
	0.131	218.3	2.37	6894.8
	0.160	244.3	2.87	7678.2
Þ	0.194	255.8	3.48	7986.9
	0.212	243.6	3.81	7581.8
	0.239	192.4	4.29	5958.7
	0.267	149.8	4.79	4615.6
	0.312	119.3	5.59	3643.2





Client: WSP

Project: Pittsburg Technology Center

Job #: 31300216 Boring # WSP-PTC-15A

Sample # : S-3b Depth (ft) : 11-11.5 Date tested : 10/29/23

Soil: Yellowish brown sandy clay

 Specimen:
 Total wt. =
 669.3 gms

 Ht. =
 5.490 in

 Ave dia. =
 2.380 in

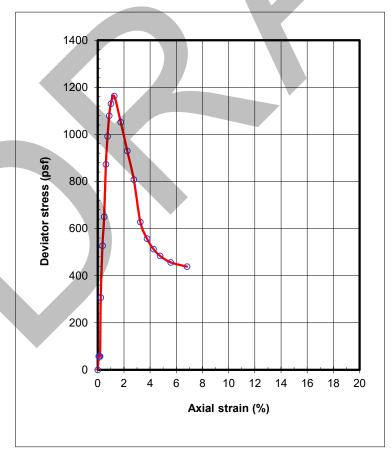
 Area =
 4.451 sq.in

Volume = 400.4 c.c.
Shearing rate = 0.03 inch/min
Shearing rate = 0.5 %/min

Gs (assumed) = 2.70

Test Report: Void ratio = 0.860 Ht/Dia ratio = 2.31 Moisture = 15.1 Total density = 104.3 pcf Dry density = 90.6 pcf Saturation = 47.5 % Chamber pressure = 1000 psf Max. deviator stress = 1163 psf

Strain @ failure =

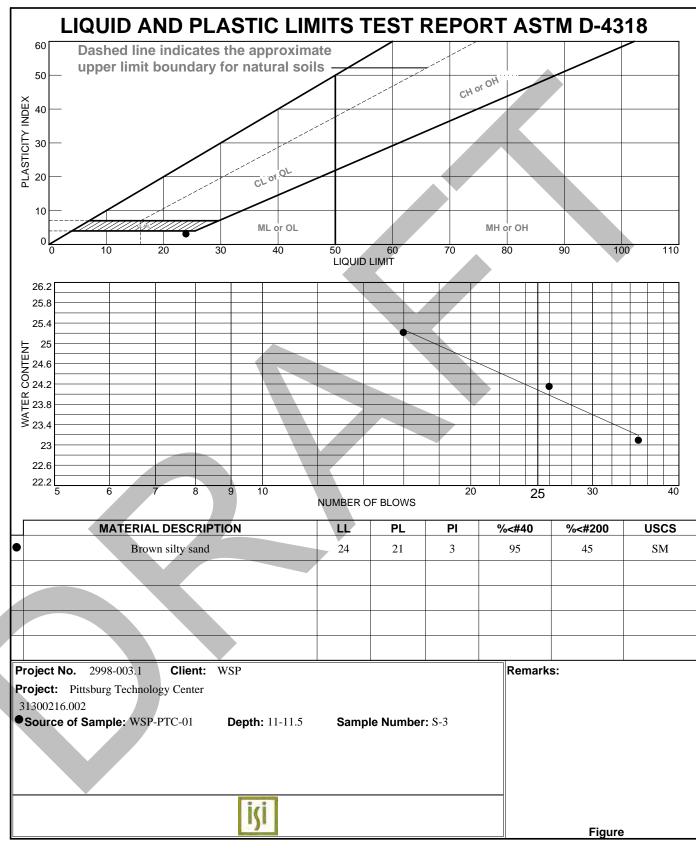


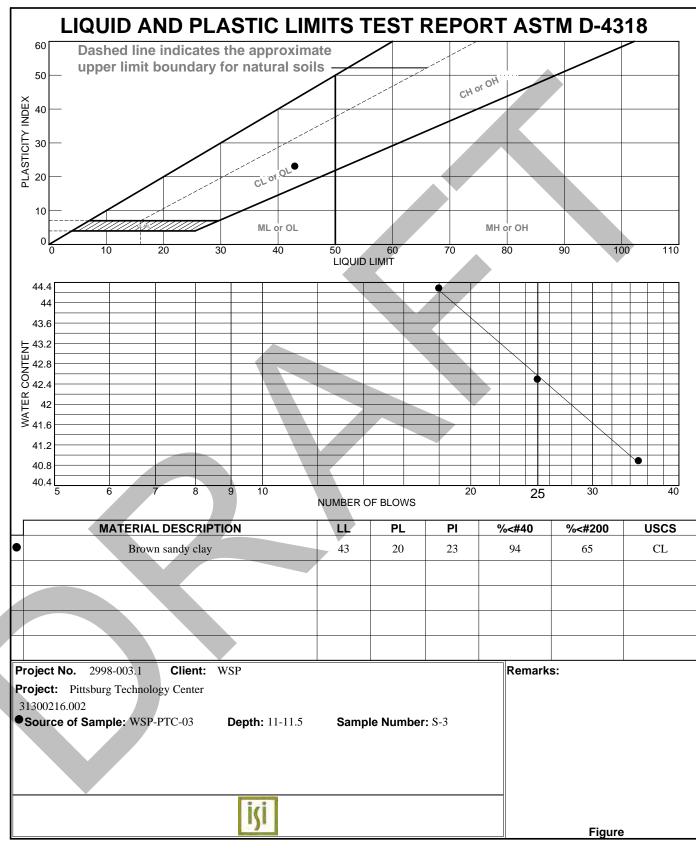
1.26

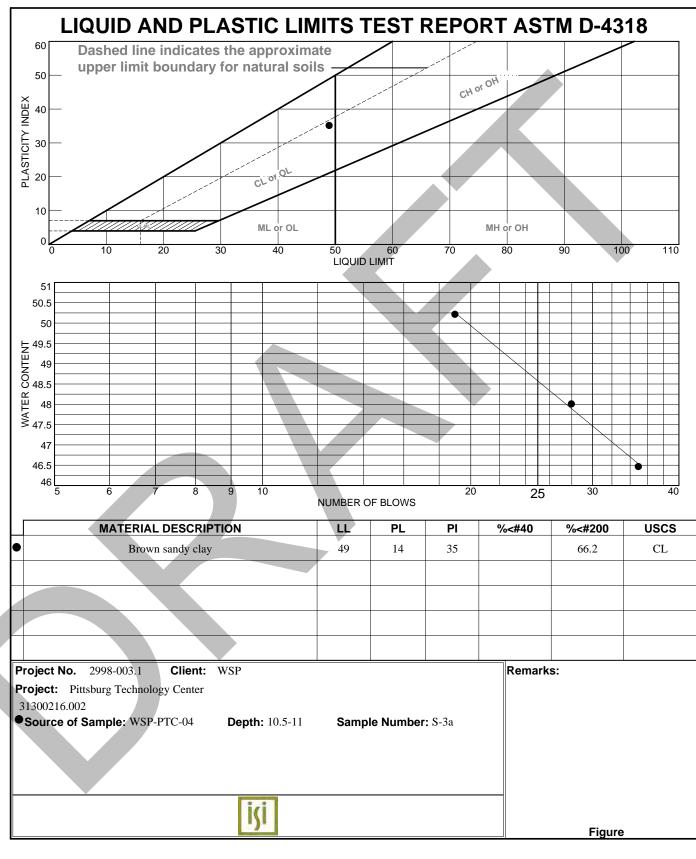
Data Reduction:

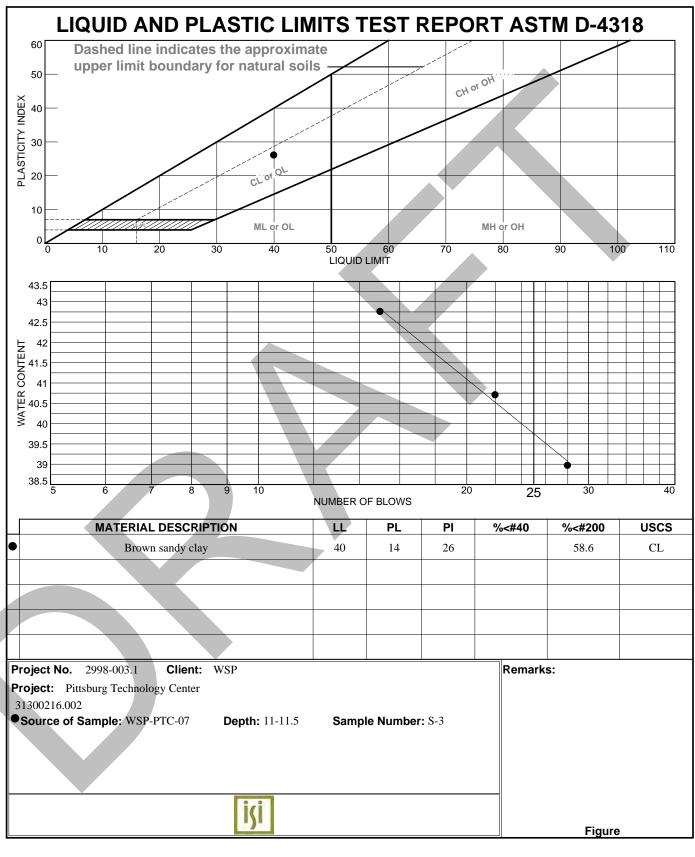
			Axial	Deviator
Di	ial	Load	Strain	Stress
R	lead.	Read.	(%)	(psf)
-0.	002		0.00	0.0
0.	002	1.8	0.08	57.0
0.	005	1.8	0.13	56.9
0.	800	1.8	0.18	56.9
0.	011	9.5	0.23	306.5
0.	018	16.4	0.36	527.6
0.	025	20.2	0.49	650.7
0.	032	27.1	0.62	872.9
0.	039	30.9	0.75	991.9
0.	046	33.7	0.88	1079.6
	053	35.3	1.00	1130.2
	067	36.4	1.26	1162.6
	095	33.1	1.76	1052.0
0.	122	29.4	2.26	930.0
0.	150	25.7	2.76	808.3
	177	20.1	3.26	627.9
	205	17.9	3.76	557.2
	232	16.6	4.26	513.0
	260	15.7	4.76	484.1
	304	14.9	5.57	456.6
0.	372	14.5	6.82	438.4

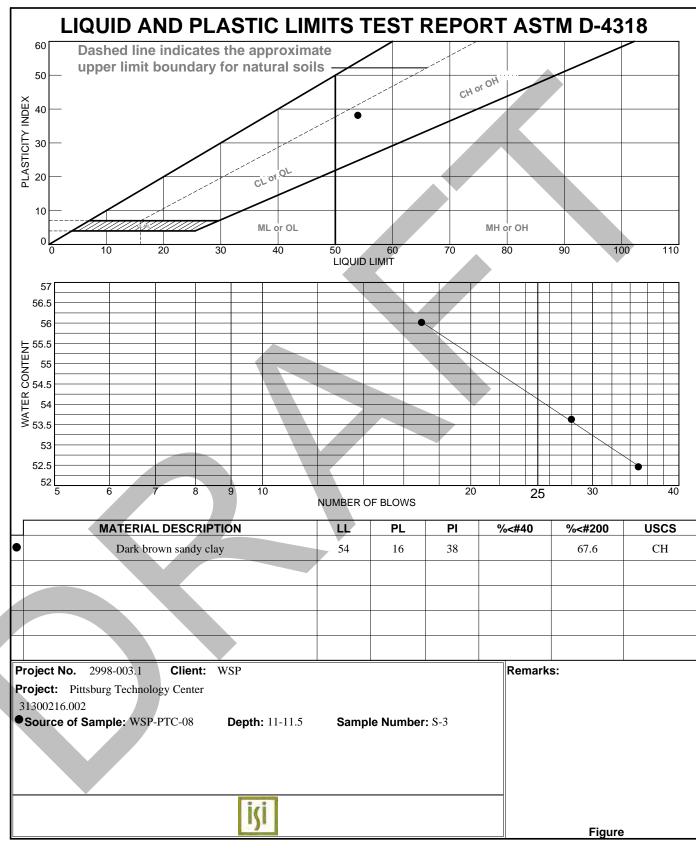


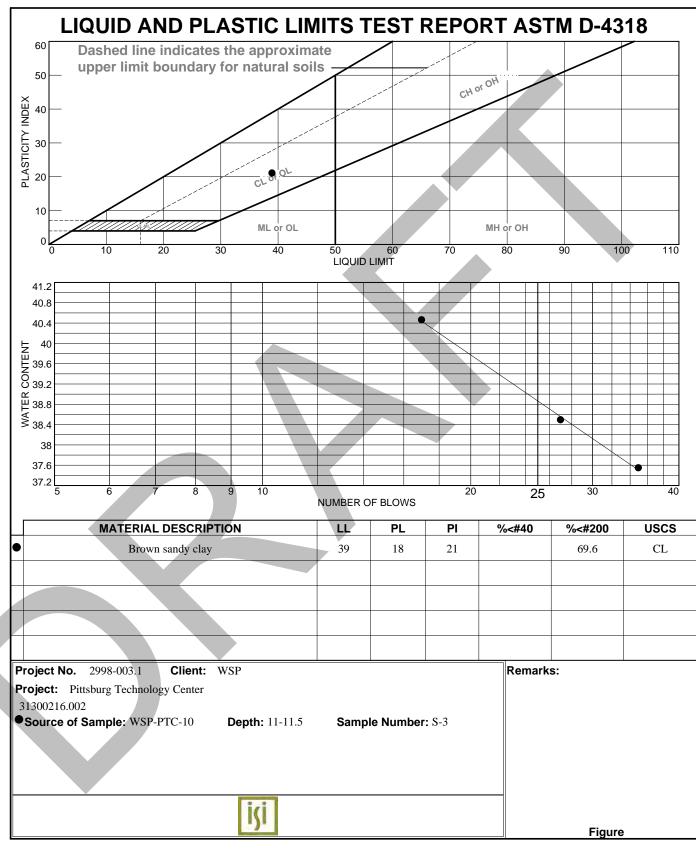


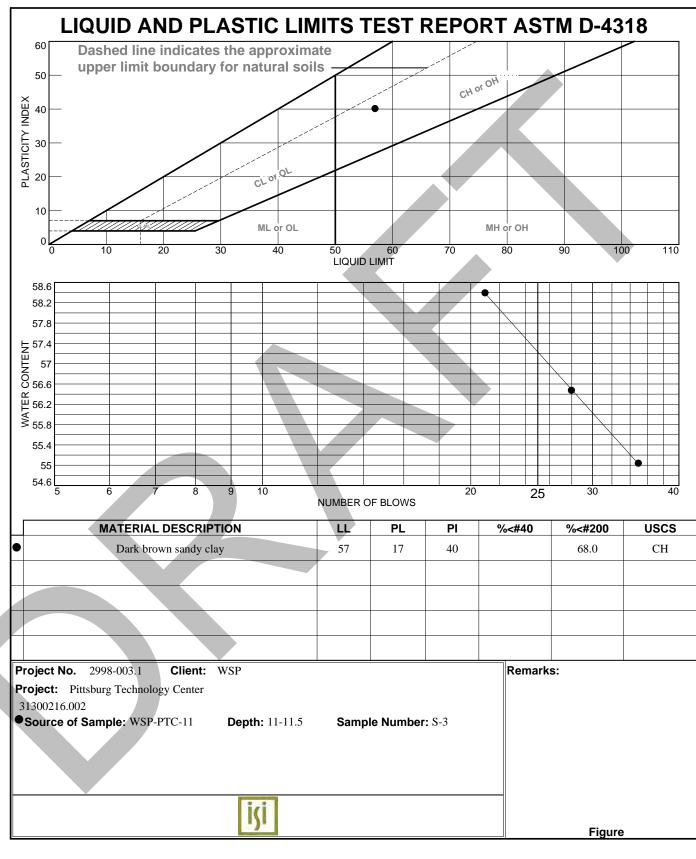


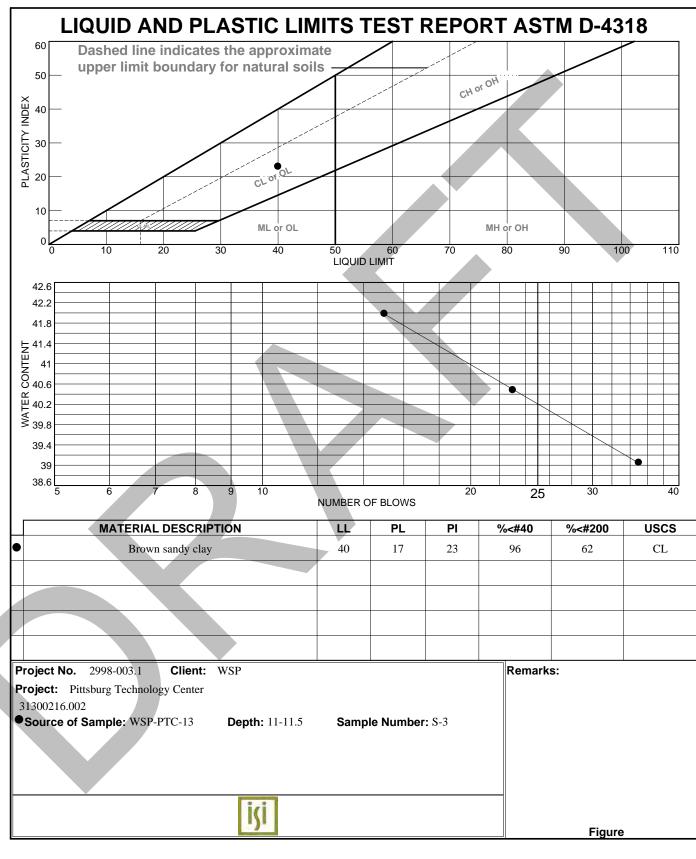


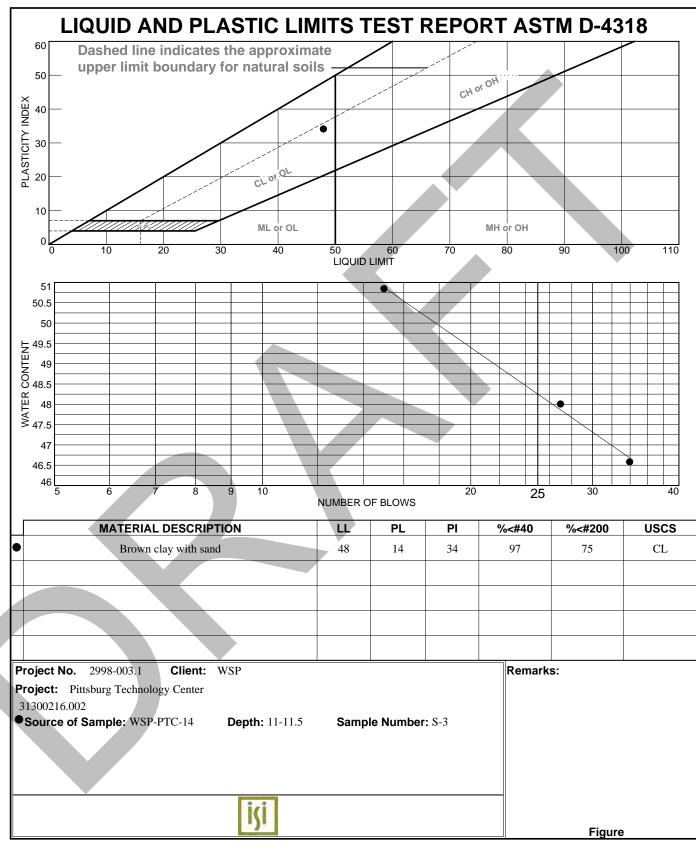


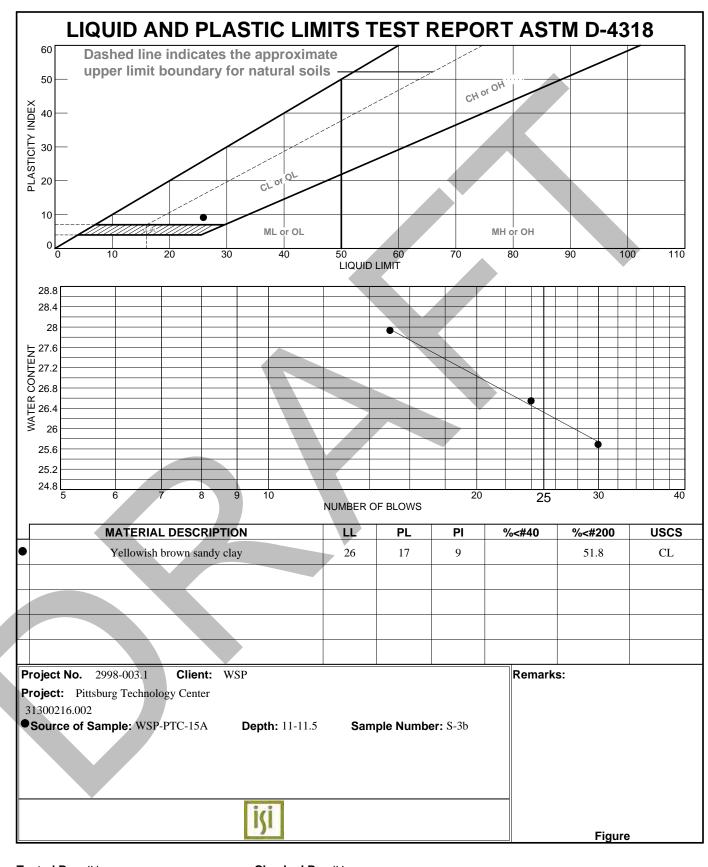


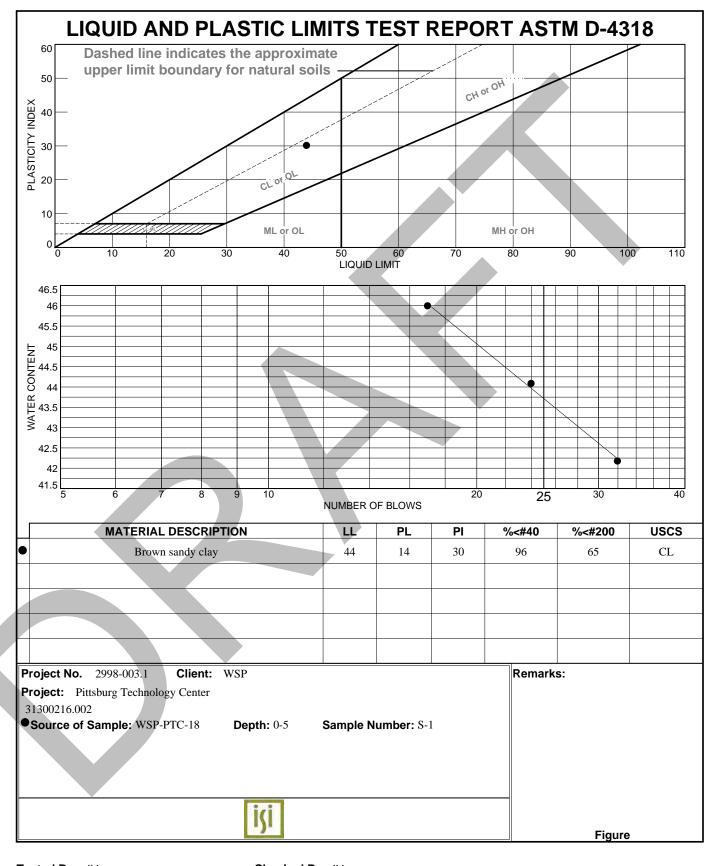


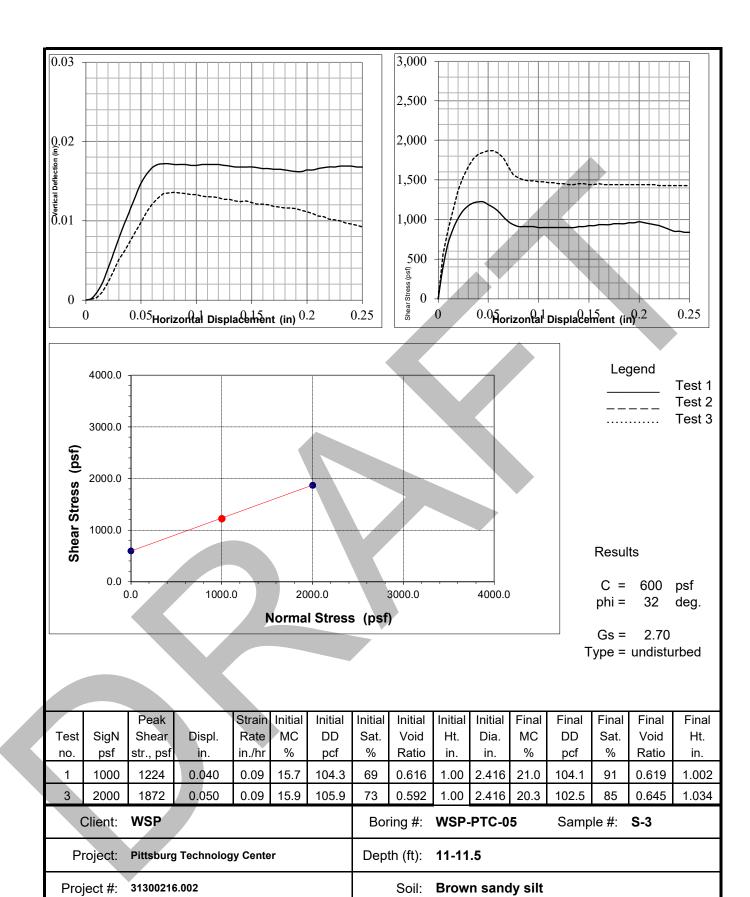






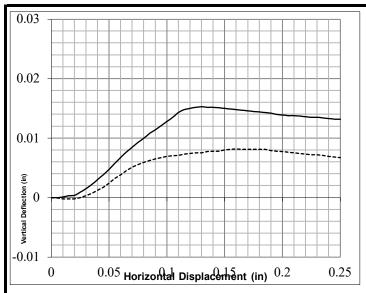


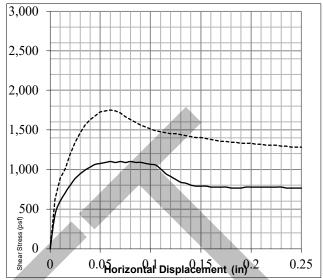


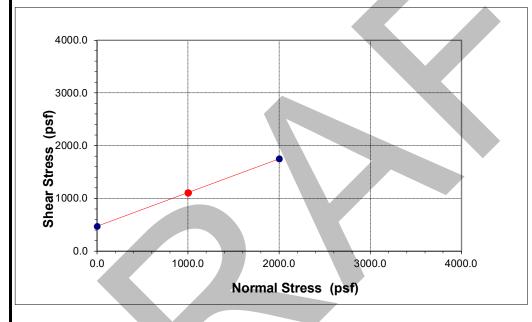


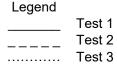
TEST REPORT: Direct shear - inundated, consolidated, & drained test











Results

C = 475 psf phi = 33 deg.

Gs = 2.70 Type = undisturbed

		Peak		Strain	Initial	Initial	Initial	Initial	Initial	Initial	Final	Final	Final	Final	Final
Test	SigN	Shear	Displ.	Rate	MC	DD	Sat.	Void	Ht.	Dia.	MC	DD	Sat.	Void	Ht.
no.	psf	str., psf	in.	in./hr	%	pcf	%	Ratio	in.	in.	%	pcf	%	Ratio	in.
1	1000	1104	0.060	0.05	19.4	102.2	81	0.649	1.00	2.416	23.9	97.3	88	0.733	1.051
3	2000	1752	0.060	0.05	20.1	101.0	81	0.669	1.00	2.416	24.7	97.3	91	0.733	1.039

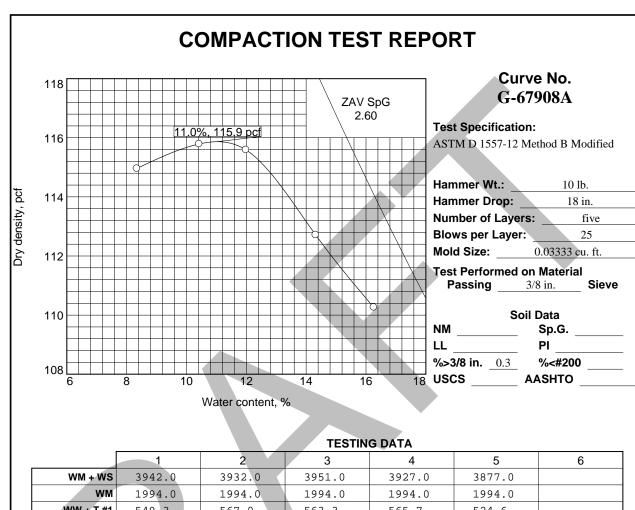
Client: WSP Boring #: WSP-PTC-14 Sample #: S-3

Project: Pittsburg Technology Center Depth (ft): 11-11.5

Project #: 31300216.002 Soil: Brown clay with sand

TEST REPORT: Direct shear - inundated, consolidated, & drained test

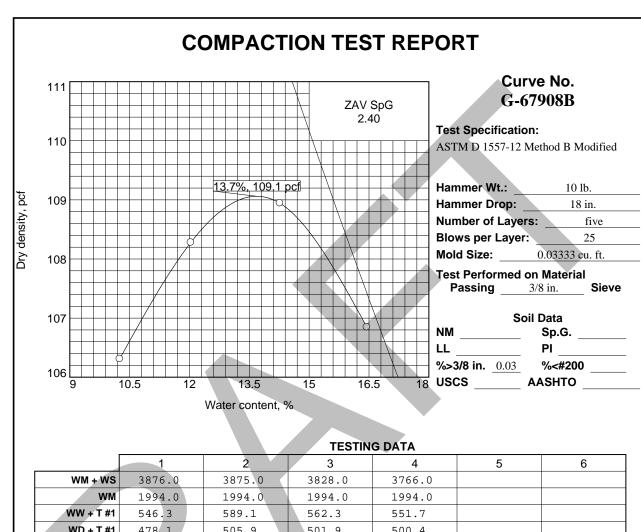




		2	3	4	5	6
WM + WS	3942.0	3932.0	3951.0	3927.0	3877.0	
WM	1994.0	1994.0	1994.0	1994.0	1994.0	
WW + T #1	549.3	567.0	563.3	565.7	524.6	
WD + T #1	480.5	487.7	503.0	512.3	484.2	
TARE #1	0.0	0.0	0.0	0.0	0.0	
WW + T #2						
WD + T #2						
TARE #2						
MOISTURE	14.3	16.3	12.0	10.4	8.3	
DRY DENSITY	112.7	110.3	115.6	115.8	115.0	

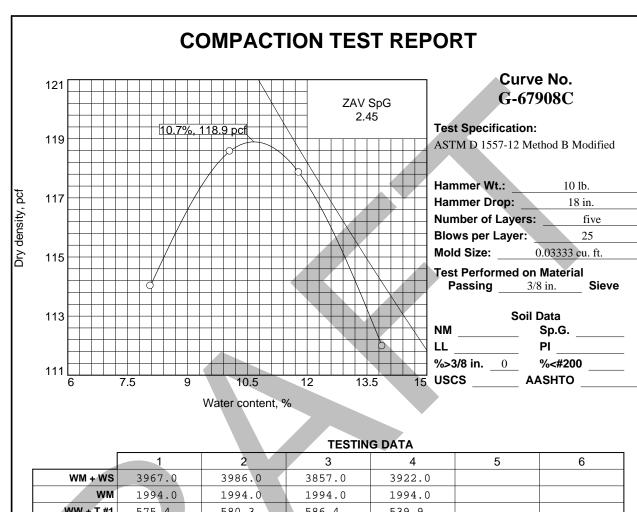
TEST RESULTS	Material Description
Maximum dry density = 115.9 pcf	Grayish brown sandy clay
Optimum moisture = 11.0 %	
Project No. 2998-003.1 Client: WSP	Remarks:
Project: Pittsburg Technology Center	
31300216.002	
○ Source: WSP-PTC-07 Depth: 0-5 Sample No.: S-1	
İŞİ	Figuro

Wet Prep Mechanical Rammer Used



WM + WS	3876.0	3875.0	3828.0	3766.0	
WM	1994.0	1994.0	1994.0	1994.0	
WW + T #1	546.3	589.1	562.3	551.7	
WD + T #1	478.1	505.9	501.9	500.4	
TARE #1	0.0	0.0	0.0	0.0	
WW + T #2					
WD + T #2					
TARE #2					
MOISTURE	14.3	16.4	12.0	10.3	
DRY DENSITY	108.9	106.8	108.3	106.3	

	TEST RESULTS	Material Description
ō	Maximum dry density = 109.1 pcf	Brown sandy clay
.Used	Optimum moisture = 13.7 %	
Rammer	Project No. 2998-003.1 Client: WSP	Remarks:
am	Project: Pittsburg Technology Center	
R	31300216.002	
P ica	O Source: WSP-PTC-09 Depth: 0-5 Sample No.: S-1	
Wet Prep Mechanic		Figure



	1	2	3	4	5	6
WM + WS	3967.0	3986.0	3857.0	3922.0		
WM	1994.0	1994.0	1994.0	1994.0		
WW + T #1	575.4	580.3	586.4	539.9		
WD + T #1	522.8	519.1	542.6	474.1		
TARE #1	0.0	0.0	0.0	0.0		
WW + T #2						
WD + T #2						
TARE #2						
MOISTURE	10.1	11.8	8.1	13.9		
DRY DENSITY	118.6	117.9	114.0	112.0		

TEST RESULTS	Material Description
Maximum dry density = 118.9 pcf	Brown sandy clay
Optimum moisture = 10.7 %	
Project No. 2998-003.1 Client: WSP	Remarks:
Project: Pittsburg Technology Center	
31300216.002	
O Source: WSP-PTC-14 Depth: 0-5 Sample No.: S-1	
isi	Figure

Wet Prep
Mechanical Rammer Used

COMPACTION TEST REPORT Curve No. 117 G-67908 ZAV SpG 2.50 **Test Specification:** 115.5 11.8%, 115.1 pcf ASTM D 1557-12 Method B Modified Hammer Wt.: 10 lb. 114 Hammer Drop: 18 in. Number of Layers: Blows per Layer: Mold Size: 0.03333 cu. ft. 112.5 **Test Performed on Material** Passing $\underline{3/8~in.}$ Sieve 111 Soil Data NM Sp.G. LL PI **%<#200** 54 %>3/8 in. __0_ 109.5 8.5 10 11.5 14.5 13 16 USCS AASHTO Water content, % **TESTING DATA**

	1	2	3	4	5	6
WM + WS	3947.0	3911.0	3917.0	3844.0		
WM	1994.0	1994.0	1994.0	1994.0		
WW + T #1	535.0	549.1	545.8	524.7		
WD + T #1	476.0	496.3	476.9	484.1		
TARE #1	0.0	0.0	0.0	0.0		
WW + T #2						
WD + T #2						
TARE #2						
MOISTURE	12.4	10.6	14.4	8.4		
DRY DENSITY	114.9	114.6	111.1	112.9		

	TEST RESULT	Material Description	
Maximum dry dens	sity = 115.1 pcf	Grayish brown sandy clay	
Optimum moisture	e = 11.8 %		
Project No. 2998-00	03.1 Client: WSP		Remarks:
Project: Pittsburg Te	echnology Center		
31300216.002			
O Source: WSP-PTC-	C-16 Depth: 0-5	Sample No.: S-1	
· ·	isi	Figure	

Wet Prep Mechanical Rammer Used

COMPACTION TEST REPORT Curve No. 130 G-67908 ZAV SpG 2.60 **Test Specification:** 128 8,9%, 127.5 pcf ASTM D 1557-12 Method B Modified Hammer Wt.: 10 lb. 126 Hammer Drop: 18 in. Number of Layers: Blows per Layer: 0.03333 cu. ft. Mold Size: 124 **Test Performed on Material** Passing $\underline{3/8~in.}$ Sieve 122 Soil Data NM Sp.G. LL PI %>3/8 in. <u>0</u> **%<#200** 25 120 13.5 USCS SC AASHTO 7.5 10.5 12 Water content, % **TESTING DATA**

			3	4	5	б
WM + WS	4057.0	4100.0	4054.0	3968.0		
WM	1994.0	1994.0	1994.0	1994.0		
WW + T #1	566.5	553.0	548.1	539.4		
WD + T #1	526.0	504.4	491.8	511.3		
TARE #1	0.0	0.0	0.0	0.0		
WW + T #2						
WD + T #2						
TARE #2						
MOISTURE	7.7	9.6	11.4	5.5		
DRY DENSITY	126.7	127.1	122.3	123.8		

	TEST RESULTS	Material Description
ō	Maximum dry density = 127.5 pcf	Grayish brown clayey sand
.Used	Optimum moisture = 0.5 /6	
Rammer	Project No. 2998-003.1 Client: WSP	Remarks:
an	Project: Pittsburg Technology Center	
al R		
Wet Prep Mechanic	işi	Figure



R-Value ASTM D2844 / CT301

Clients Project No.: 31300216.002 ISI Project No.: 2998-003.1

ISI Lab No.: G-67908

Project Name: Pittsburg Technology Center

Client Name: WSP

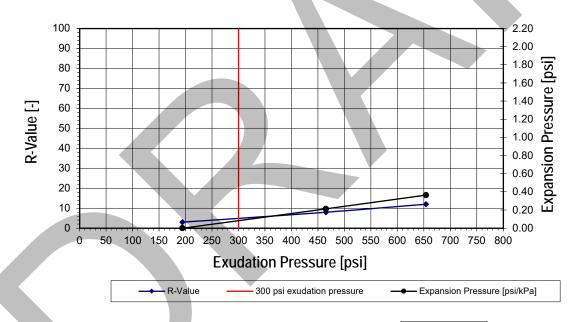
Descripton (Visual): Brown sandy clay **Boring**: WSP-PTC-16

Sample No.: S-1 Depth (ft): 0-5

Test Date:	10/31/23
Run By:	JH

Checked By: JH

Specimen #		1] :	2	,	3
Compaction Pressure [psi/kPa]	30	207	60	414	115	793
Total Moisture [%]	22	2.1	19	9.9	17	7.8
Density[pcf]	10	0.0	10	2.1	10	6.1
Expansion Pressure [psi/kPa]	0.00	0.00	0.21	1.46	0.36	2.51
Horizontal Pressure at 160 psi [psi/kPa]	153	1055	141	972	132	910
Number of Turns D [-]	4.	67	4.	10	3.	84
Sample Height [in./mm]	2.59	65.8	2.56	65.0	2.52	64.0
Exudation Pressure [psi/kPa]	194	1340	465	3207	654	4508
R-Value [-]	2	.4	7	.6	12	2.1
Corrected R-Value [-]	,	3	8		12	



Corrected R-Value at 300 psi / 2.07 MPa Exudation Pressure =

5



R-Value ASTM D2844 / CT301

Clients Project No.: 31300216.002 ISI Project No.: 2998-003.1

Test Date:

ISI Lab No.: G-67908

10/31/23

Project Name: Pittsburg Technology Center

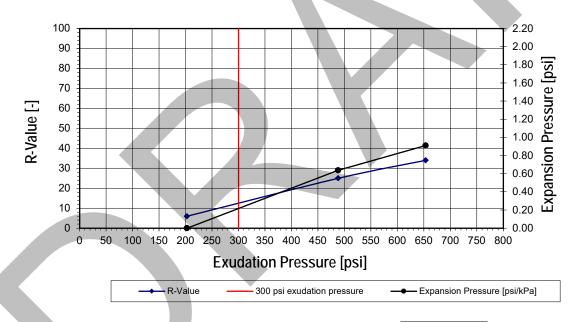
Client Name: WSP

Descripton (Visual): Brown clayey sand Boring: WSP-PTC-20

 Sample No.:
 S-1
 Run By:
 JH

 Depth (ft):
 0-5
 Checked By:
 JH

Specimen #	1		2		3	
Compaction Pressure [psi/kPa]	85	586	225	1551	270	1862
Total Moisture [%]	12	2.0	10).3	9	.6
Density[pcf]	12	4.5	12	5.6	12	6.9
Expansion Pressure [psi/kPa]	0.00	0.00	0.64	4.39	0.91	6.28
Horizontal Pressure at 160 psi [psi/kPa]	143	986	110	758	100	690
Number of Turns D [-]	4.	52	3.68		3.44	
Sample Height [in./mm]	2.54	64.5	2.63	66.8	2.65	67.3
Exudation Pressure [psi/kPa]	203	1397	488	3366	653	4506
R-Value [-]	6	.2	23	3.6	30).4
Corrected R-Value [-]	(ó	2	25	34	



Corrected R-Value at 300 psi / 2.07 MPa Exudation Pressure =

13

A bodisM 4762-Q MT2A Organic Content

Pittsburg Technology Center 31300216.002 10/15/2023 Project Number: Project Name: **dSW** Client:

Date

	3.14	6.30	Organic Matter (%)
	98.96	93.70	(%) finefine (%)
	402.54	50.175	Weight of Oven-Dried Soil
	389.88	347.65	Weight of Ash (After 440°C)
	3.545	335.28	Tare
	733.09	682.93	Weight After 440°C + Tare
	47.34T	18.307	Weight Before 440°C + Tare
	56.5	41.6	(%) Moisture Content
	*		
	244.03	243.96	Tare
,	844.34	82.847	Dry Soil + Tare
	30.088	95.497	Wet Soil + Tare
	9-0	9-0	Depth
	1 - S	Į-S	Sample
	WSP-PTC-20	WSP-PTC-16	guiroB



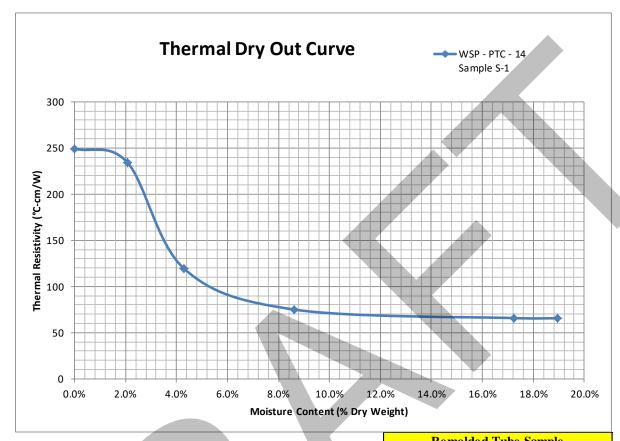
A bodisM 4792-0 MT2A Organic Content

Pittsburg Technology Center 31300216.002 10/14/2023 Project Number: Project Name: **dSW** Client:

Date

57.2	08.8	5۱.5	Organic Matter (%)
82.49	91.20	93.85	(%) fine Content
60.70 p	358.17	£4.63£	Weight of Oven-Dried Soil
383.82	326.66	28.788	Weight of Ash (After 440°C)
3.545.	335.27	93.788	Tare
20.727	£6.199	16.478	ParET + O°044 After 440°C + Tare
92.037	77 [.] E69	20.769	Weight Before 440°C + Tare
10.25	76.01	19.11	(%) Moisture Content
77.481	97.971	189.35	Tare
18.388	939.13	1129.18	Dry Soil + Tare
8E.7301	1022.4	1241.14	Wet Soil + Tare
9-0	9-0	9-0	Depth
l-S	I-S	ŀ-S	Sample
WSP-PTC-14	WSP-PTC-09	WSP-PTC-07	Boring





					olaea Tube	Sample
(S231020F) Sample Location	Sample Depth (ft)		Resistivity cm/W)	Optimal Moisture Content	Proctor Dry Density	Requested Compaction
		Wet	Dry	(%)	(PCF)	(%)
WSP - PTC - 14	0-5	66	249	10.7%	118.90	90%

107.1 pcf

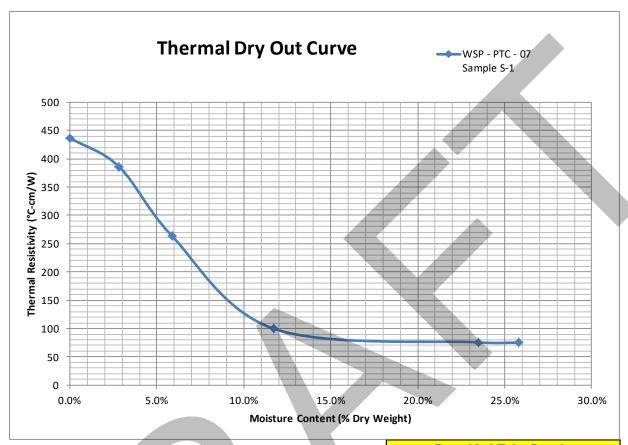
PX ID 296

Thermal Conductivity [R] (mK/W)	Thermal Resistivity (°C-cm/W)	Moisture Content (% Dry Weight)
2.492	249.2	0%
2.344	234.4	2%
1.190	119.0	4%
0.750	75.0	9%
0.658	65.8	17%
0.656	65.6	19%

Client: WSP USA Inc.

Job Name: Pittsburg Technology Center

Client Job #: 31405786 Project X Job #: S231020F Method: ASTM D5334 Date: 10/24/2023



				Remo	olded Tube	Sample
(S231020F) Sample Location	Sample Depth (ft)		Resistivity cm/W)	Optimal Moisture Content	Proctor Dry Density	Requested Compaction
		Wet	Dry	(%)	(PCF)	(%)
WSP - PTC - 07	0-5	75	437	11.0%	115.90	90%

104.3 pcf

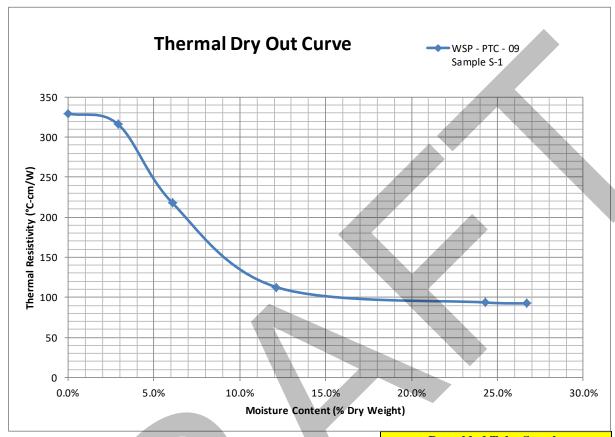
PX ID 297

Thermal Conductivity [R] (mK/W)	Thermal Resistivity (°C-cm/W)	Content (% Dry Weight)
4.367	436.7	0%
3.861	386.1	3%
2.635	263.5	6%
0.994	99.4	12%
0.755	75.5	23%
0.751	75.1	26%

Client: WSP USA Inc.

Job Name: Pittsburg Technology Center

Client Job #: 31405786 Project X Job #: S231020F Method: ASTM D5334 Date: 10/24/2023



				Remolded Tube Sample					
(S231020F) Sample Location			Sample Depth (ft)		Thermal Resistivity (°C-cm/W)		Proctor Dry Density	Requested Compaction	
				Wet	Dry	(%)	(PCF)	(%)	
WSP - PTC -	- 09		0-5	92	330	13.7%	109.10	90%	

98.2 pcf

PX ID 298

Thermal Conductivity [R] (mK/W)	Thermal Resistivity (°C-cm/W)	Moisture Content (% Dry Weight)
3.295	329.5	0%
3.159	315.9	3%
2.179	217.9	6%
1.127	112.7	12%
0.936	93.6	24%
0.924	92.4	27%

Client: WSP USA Inc.

Job Name: Pittsburg Technology Center

Client Job #: 31405786 Project X Job #: S231020F Method: ASTM D5334 Date: 10/24/2023

Soil Analysis Lab Results

Client: WSP USA Inc.
Job Name: Pittsburg Technology Center
Client Job Number: 31405786.002
Project X Job Number: S231020F
October 24, 2023

	Method	AST D43		AST D43		AST G18		ASTM G51
Bore# /	Depth	Sulf	ates	Chlorides		Resistivity		pН
Description		SO	SO ₄ ²⁻ Cl ⁻		As Rec'd Minimum			
				· ·				
	(ft)	(mg/kg)	(wt%)	(mg/kg)	(wt%)	(Ohm-cm)	(Ohm-cm)	
WSP - PTC - 05	0-5	676.8	0.0677	320.8	0.0321	8,040	362	7.1
Sample S-1	0-3	070.0	0.0077	320.0	0.0321	0,040	302	/.1
WSP - PTC - 06	0-5	423.5	0.0423	447.9	0.0448	18,090	436	6.8
Sample S-1	0-5	423.3 0.0423	447.9 0.044	0.0446	10,090	430	0.8	
WSP - PTC - 10	0-5	385.4	0.0385	62.5	0.0062	8,040	938	7.3
Sample S-1	0-3	363.4	0.0383	02.3	0.0002	0,040	936	7.5
WSP - PTC - 14	0-5	60.0	0.0060	21.6	0.0022	462,300	2,546	7.6
Sample S-1	0-3	00.0	0.0000	21.0	0.0022	402,300	2,340	7.0

Cations and Anions, except Sulfide and Bicarbonate, tested with Ion Chromatography $mg/kg = milligrams \ per \ kilogram \ (parts \ per \ million) \ of \ dry \ soil \ weight$ $ND = 0 = Not \ Detected \ | \ NT = Not \ Tested \ | \ Unk = Unknown$ $Chemical \ Analysis \ performed \ on \ 1:3 \ Soil-To-Water \ extract$ $PPM = mg/kg \ (soil) = mg/L \ (Liquid)$

Note: Sometimes a bad sulfate hit is a contaminated spot. Typical fertilizers are Potassium chloride, ammonium sulfate or ammonium sulfate nitrate (ASN). So this is another reason why testing full corrosion series is good because we then have the data to see if those other ingredients are present meaning the soil sample is just fertilizer-contaminated soil. This can happen often when the soil samples collected are simply surface scoops which is why it's best to dig in a foot, throw away the top and test the deeper stuff. Dairy farms are also notorious for these items.





ASCE 7 Hazards Report

Address:

No Address at This Location

Standard: ASCE/SEI 7-22

Risk Category: || Longitude: -121.910862

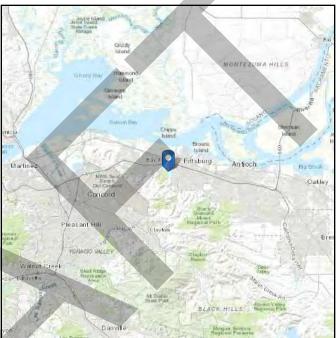
Soil Class: D - Stiff Soil Elevation: 87.97660243139292 ft

Latitude:

(NAVD 88)

38.011296





Data Accessed: Fri Nov 17 2023

Date Source:

USGS Seismic Design Maps based on ASCE/SEI 7-22 and ASCE/SEI 7-22 Table 1.5-2. Additional data for site-specific ground motion procedures in accordance with ASCE/SEI 7-22 Ch. 21 are available from USGS.

The ASCE 7 Hazard Tool is provided for your convenience, for informational purposes only, and is provided "as is" and without warranties of any kind. The location data included herein has been obtained from information developed, produced, and maintained by third party providers; or has been extrapolated from maps incorporated in the ASCE 7 standard. While ASCE has made every effort to use data obtained from reliable sources or methodologies, ASCE does not make any representations or warranties as to the accuracy, completeness, reliability, currency, or quality of any data provided herein. Any third-party links provided by this Tool should not be construed as an endorsement, affiliation, relationship, or sponsorship of such third-party content by or from ASCE.

ASCE does not intend, nor should anyone interpret, the results provided by this Tool to replace the sound judgment of a competent professional, having knowledge and experience in the appropriate field(s) of practice, nor to substitute for the standard of care required of such professionals in interpreting and applying the contents of this Tool or the ASCE 7 standard.

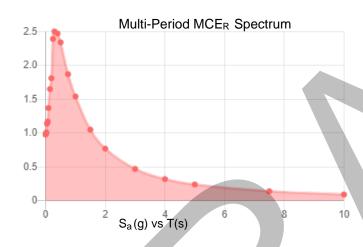
In using this Tool, you expressly assume all risks associated with your use. Under no circumstances shall ASCE or its officers, directors, employees, members, affiliates, or agents be liable to you or any other person for any direct, indirect, special, incidental, or consequential damages arising from or related to your use of, or reliance on, the Tool or any information obtained therein. To the fullest extent permitted by law, you agree to release and hold harmless ASCE from any and all liability of any nature arising out of or resulting from any use of data provided by the ASCE 7 Hazard Tool.

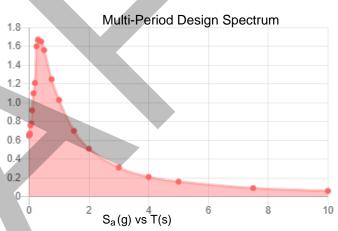


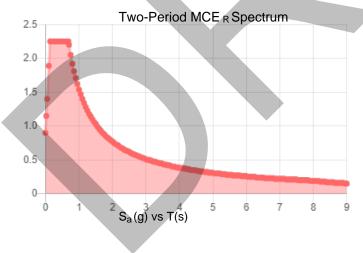
Results:

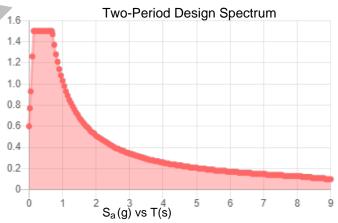
PGA _M :	0.83	T _L :	8
S _{MS} :	2.25	S _s :	2.13
S _{M1} :	1.54	S_1 :	0.63
S _{DS} :	1.5	V _{S30} :	260
S _{D1} :	1.03		

Seismic Design Category: D









MCE_R Vertical Response Spectrum Vertical ground motion data has not yet been made available by USGS.

Design Vertical Response Spectrum Vertical ground motion data has not yet been made available by USGS.

APPENDIX F

Phase I ESA Report

AVAIO CAPITAL

PHASE I ENVIRONMENTAL SITE ASSESSMENT AND LIMITED SOIL SCREENING

PITTSBURG TECHNOLOGY CENTER

JANUARY 2023 CONFIDENTIAL







PHASE I ENVIRONMENTAL SITE ASSESSMENT AND LIMITED SOIL SCREENING

PITTSBURG TECHNOLOGY CENTER

AVAIO CAPITAL

CONFIDENTIAL

PROJECT NO.: 31405786.000 DATE: JANUARY 2023

WSP USA INC.

WSP.COM



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FIGURE 2 SITE LAYOUT AND BORING LOCATIONS

FIGURE 3 FORMER CAMP STONEMAN

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APPENDICES

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EXECUTIVE SUMMARY

AVAIO Capital (Client, the User) retained WSP USA Inc. (WSP) to perform a Phase I Environmental Site Assessment (ESA) of the proposed Pittsburg Technology Center property located at 2222-2242 Golf Club Road, Pittsburg, California (the subject property). The purpose of this Phase I ESA was to identify recognized environmental conditions (RECs) in connection with the subject property, to the extent feasible, pursuant to the processes prescribed in the ASTM Practice E 1527-21 entitled "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process" (ASTM Standard); U.S. Environmental Protection Agency (EPA) Rule entitled "Standards and Practices for All Appropriate Inquiries, Final Rule" (AAI Rule), 40 CFR Part 312; the WSP proposal dated September 10, 2021 (the Proposal); and WSP's professional judgment. WSP representatives performed the Phase I ESA in conformance with these criteria.

This summary is to be used only in conjunction with the attached Phase I ESA (the Report), dated January 2023, for the proposed Pittsburg Technology Center property located at 2222-2242 Golf Club Road, Pittsburg, California. All definitions used in this summary have the same meanings as in the Report, and the use of this summary is subject to the limitations and conditions contained in the Report. The Report shall govern in the event of any inconsistency between this summary and the Report.

PROPERTY DESCRIPTION

The subject property located at 2222-2242 Golf Club Road, Pittsburg, California consists of approximately 105 acres of vegetated land owned by the City of Pittsburg, improved with paved parking areas and roads, and an aboveground storage tank. The subject property has been currently vacant since 2018. Prior to the current use, the subject property was used as a golf course from at least 1953 to 2018, and a shooting range of the former U.S. Army Camp Stoneman from 1942 to 1954.

DATA GAP

Individuals knowledgeable of the uses and physical characteristics of the former Golf Course that operated at the subject property from at least 1953 to 2018 were not available for interview for this assessment. However, all available historical and agency record associated with the Golf Course were located and reviewed by WSP. The limited soil screening conducted as part of this Phase I ESA (Section 5) also found no evidence of plausible impacts such as surficial pesticides release from the former Golf Course operation. Therefore, this data gap is not considered significant and not expected to alter the findings of this assessment.

The Small Arms Ranges and Impact Area of the former U.S. Army Camp Stoneman area located within one mile north of the subject property. This is an area of interest where the Military Munitions Recovery Program (MMRP) was tasked with further investigations under the jurisdiction of the U.S. Army Corps of Engineers. However, no records on any MMRP related assessments or investigations were discoverable and the subject property was not identified in the Formerly Used Defense Sites (FUDS) database. It is also possible that the deferral to the MMRP was not followed up or implemented. Nevertheless, a shallow soils investigation conducted in the area of interest found no elevated metals. Therefore, this data gap is not considered significant and not expected to alter the findings of this assessment.

RECOGNIZED ENVIRONMENTAL CONDITIONS

WSP did not identify any Recognized Environmental Conditions in connection with the subject property.

BUSINESS ENVIRONMENTAL RISKS

Prior environmental reports on the former U.S. Army Camp Stoneman established in 1942 and deactivated in 1954 identified the former Small Arms Ranges to be overlapping with the subject property area. Spent bullets and mortar rounds have been found in close proximity to the subject property. Historical use of the subject property as a shooting range may have incurred metal impacts on soil, soil vapor, and groundwater. Military bases and defense sites are generally associated with releases of hazardous substances and pollutants, discarded munitions, munitions constituents, and unexploded ordnance. However, a soil investigation conducted 0.5 miles north of the subject property in 2006 identified no potential contaminants of concern. No unexploded ordnances have been found at the subject property.

LIMITED SOIL SCREENING

Shallow soil sampling from four locations of the subject property found no evidence of significant releases of metals, petroleum products, polychlorinated biphenyls, pesticides, or herbicides. No significant impacts from historical operations of the Golf Course or the adjoining former Camp Stoneman have been found to date.

1 INTRODUCTION

1.1 SUBJECT PROPERTY DESCRIPTION

1.1.1 LOCATION

The subject property is located at 2222-2242 Golf Club Rd, Pittsburg, Contra Costa County, California. It is approximately 105 acres in central south City of Pittsburg, on the southern shore of the Suisun Bay in the East Bay region of the San Francisco Bay Area. The subject property is located on the United States Geological Survey (USGS) 7.5-minute, Pittsburg, CA 2018 topographic quadrangle map, as shown on Figure 1.

1.1.2 LEGAL DESCRIPTION

According to information available through the City of Pittsburg online GIS tool and the Contra Costa County CCMAP Portal, the subject property is located on six parcels of land owned by the City of Pittsburg, with Accessor's Parcel Numbers (APNs) 095-160-001, 095-160-002, 095-150-032, 094-080-011, 094-090-001 and 094-080-002.

1.2 PURPOSE

AVAIO Capital (the User) retained WSP USA Inc. (WSP) to perform a Phase I Environmental Site Assessment (ESA) of proposed Pittsburg Technology Center property located at 2222-2242 Golf Club Rd, Pittsburg, California (the subject property). The purpose of the Phase I ESA is to identify recognized environmental conditions (RECs) in connection with the subject property, to the extent feasible, pursuant to the processes prescribed in the ASTM Practice E1527-21 entitled "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process" (ASTM Standard); EPA Rule entitled "Standards and Practices for All Appropriate Inquiries, Final Rule" (AAI Rule), 40 CFR Part 312; the WSP proposal dated September 10, 2021 (the Proposal); and WSP's professional judgment. WSP representatives performed the Phase I ESA in conformance with these criteria.

Key definitions from ASTM Practice E1527-21, including REC, Controlled REC (CREC), Historical REC (HREC), and de minimis condition are included in Appendix A.

The AAI Rule states that the ASTM Practice may be used to comply with the requirements of the AAI Rule, so, whenever reference is made in this Report to the ASTM Standard, it shall include the AAI Rule.

1.3 SCOPE OF WORK

The scope of services for this ESA consisted of the following tasks:

RECORDS REVIEW

- Reviewing property information from publicly available sources (e.g., local property assessor) to confirm the legal description and location of the subject property (Appendix B).
- Reviewing environmental record sources including federal and state regulatory databases to identify facilities with past
 or current regulatory enforcement actions within applicable distances of the subject property as defined in the ASTM
 Standard. The regulatory database search report is presented in Appendix C.
- Reviewing physical setting information sources to identify information about the geologic, hydrogeologic, hydrologic, and topographic conditions in the area of the subject property. The US Geological Survey (USGS) 7.5-minute topographic map of the area of the subject property is shown in Figure 1.

Reviewing historical record sources to identify past land use activities at the subject property and surrounding properties.
 Selected historical information obtained during performance of the Phase I ESA is included in Appendix D.

SITE RECONNAISSANCE

Performing a visual inspection of the subject property and surrounding properties to identify potential sources of chemical and petroleum contamination such as aboveground storage tanks (ASTs), underground storage tanks (USTs), potential sources of polychlorinated biphenyls (PCBs), chemicals, and hazardous materials. Surficial evidence of potential RECs such as distressed vegetation, stained soils, and/or stained paving was also evaluated. A site reconnaissance was performed on November 16, 2022 by Rick E. Freudenberger, Executive Vice President of WSP. Photographs recorded during the Site reconnaissance are included in Appendix E.

INTERVIEWS

 Interviewing available individuals with knowledge of current or historical use, storage, or disposal of potentially hazardous materials or other environmentally related activities on or adjoining the subject property.

REPORT PREPARATION

— Preparing a report that documents the findings, opinions, and conclusions of the Phase I ESA investigation conducted at the subject property and provides the supporting documentation and references for those findings, opinions, and conclusions (the Report). Resumes for the environmental professionals (EPs) that performed or supervised the assessment and preparation this Phase I ESA Report are included in Appendix F.

NON-SCOPE CONSIDERATIONS

The scope of work for this Phase I ESA excluded non-scope considerations listed in ASTM E1527-21 (Section 13.1.5), except for a soil screening investigation. Limited soil sampling was conducted at the surface and five feet below ground surface (ft-bgs) at four soil borings each (Figure 2). The purpose of the limited sampling was to preliminarily determine whether the subject property had been impacted by historical operations, such as the use of pesticides and herbicides for the former Delta View Golf Course operation or other historical agricultural activities. The soil screening was limited in scope and was not a comprehensive evaluation of all areas on the subject property.

1.3.1 LIMITING CONDITIONS/DEVIATIONS

The performance of this assessment was limited by the following:

- WSP did not have access to parts of the subject property during the field assessment. Parts of the subject property were
 inaccessible and closed off with metal wire fencing, including areas adjoining the PG&E transmission corridor and areas
 where cattle grazing was observed.
- WSP was not provided access to the interior of a building next to the aboveground water tank on the subject property.
 The building appeared vacant during the field inspection.
- Individuals with knowledge of the historic operation at the former Delta View Golf Course were not available for interview for the purpose of this Phase I ESA. However, based upon the quality of information obtained from other sources, including a limited soil screening and agency records, this limitation is not expected to alter the findings of this assessment.

1.3.2 SIGNIFICANT ASSUMPTIONS

This Phase I ESA was conducted in accordance with ASTM E1527-21.

In preparing this report, WSP relied upon certain verbal information and representations provided by government employees and others, documents provided by the subject property owner and/or operator, and a computer search of government databases by a firm whose business is to provide that service. Except as discussed, WSP has relied upon that information and

did not attempt to independently verify its accuracy or completeness but did not detect any inconsistency or omission of a nature that might call into question its validity. To the extent that the conclusions in this report are based in whole or in part on such information, they are contingent on its validity and WSP assumes no responsibility for any consequence arising from any information or condition that was concealed, withheld, misrepresented, or otherwise not fully disclosed or available to WSP.

WSP has relied on the assumption that groundwater flow generally follows surface topography. There are limits to this interpretation and WSP has exercised professional judgment in applying this assumption to the evaluation of off-site properties with the potential to impact the subject property.

1.4 GENERAL LIMITATIONS

WSP performed our services in accordance with the following principles, which are an integral part of the ASTM Standard:

- No ESA can wholly eliminate uncertainty regarding the potential for RECs in connection with a property. Performance
 of this Phase I ESA is intended to reduce, but not eliminate, uncertainty regarding the potential for RECs in connection
 with the subject property, and the ASTM Standard recognizes reasonable limits of time and cost.
- "All appropriate inquiry" does not mean an exhaustive assessment of a property. WSP performed this ESA in conformance with the ASTM Standard's principle of identifying a balance between the competing goals of limiting the costs and time demands inherent in performing an ESA and the reduction of uncertainty about unknown conditions resulting from additional information.
- Not every property warrants the same level of assessment the type of property subject to the assessment, the expertise
 and risk tolerance of the user, and the information developed in the course of the inquiry guided the appropriate level of
 assessment for this ESA.
- ESAs must be evaluated based on the reasonableness of judgments made at the time and under the circumstances in
 which they were made. Subsequent ESAs should not be considered valid standards to judge the appropriateness of any
 prior assessment based on hindsight, new information, use of developing technology or analytical techniques, or other
 factors.

The conclusions presented in this report represent WSP's professional judgement based upon the information available and conditions existing as of the date of this report. As such, the conclusions in this report are valid only to the extent that the information provided was complete and accurate. This assessment is not intended as legal advice or as an exhaustive review of site conditions. WSP makes no representations or warranties, expressed or implied, related to the presence or absence of pollutants or that all pollutants have been identified.

1.5 RELIANCE

Client acknowledges and agrees that this report was prepared solely on its behalf and functions solely as a Phase I ESA. By accepting this report, Client acknowledges and agrees that it may in part rely upon sources, either written or oral, that WSP considers reliable, but which are not guaranteed or independently verified by WSP.

Where Client is required to disseminate this report, either by law or in connection with Client's business activities, to any other party to whom this report is not addressed (the "Third Party"), Client agrees to notify the Third Party of the terms of this disclaimer who in turn shall be bound by such terms. WSP is not responsible for independent conclusions, opinions, or recommendations made by others or otherwise based on the findings presented in this Report. Any Third Party wishing to rely on the information and opinions contained herein does so at its own risk.

1.6 TERM OF REPORT VIABILITY

In accordance with ASTM E 1527-21, this report is presumed to be viable when it is conducted within 180 days prior to the date of acquisition of the subject property (or, for transactions not involving an acquisition such as a lease or refinance, the date of the intended transaction). This Phase I ESA is viable for one year provided key components are updated within 180 days prior to the date of acquisition of the subject property. Note that the date of the report generally does not represent the

date of the acquisition of key components and should not be used when evaluating compliance with the 180-day or one-year all appropriate inquiries requirements.
all appropriate inquiries requirements.

2 SITE RECONNAISSANCE

2.1 GENERAL SITE SETTING

The City of Pittsburg owns approximately 105 acres of vacant land at 2222-2242 Golf Club Rd, Pittsburg, California (Figure 1). It is bounded by West Leland Rd to the north, Pacific Gas & Electric (PG&E) transmission corridor to the east, public open space and grazing land to the south and west. There are residential areas further to the north and east of the property, and vegetated public open space is located further to the south and west of the property.

The subject property is accessed via a gate at the southwestern end of the Golf Club Rd. The parking areas and an access road are paved from the entrance to approximately the former driving range. All former buildings had been demolished and there are no habitable structures (Figure 2).

Other than an aboveground water storage tank in the northeast portion of the property, the subject property is vacant and vegetated. Small paved and unpaved paths exist throughout the subject property. The Contra Cost Canal flows northeast to southwest through the center of the subject property.

2.2 CURRENT USES OF THE SUBJECT PROPERTY

The subject property is not in use at the time of this Phase I ESA. Cattle grazing was observed at the subject property but it apparently is not an intended use. Cattle likely access the property from adjoining open space and grazing lands south and west of the property.

2.3 PAST USES OF THE SUBJECT PROPERTY

The subject property had been vacant since the permanent closure of the former Delta View Golf Course in 2018. It had operated since at least 1953. Evidence of past uses of the subject property that involved the past use, treatment, storage, disposal or generation of hazardous substances or petroleum products was not observed during the site reconnaissance.

2.4 SUBJECT PROPERTY IMPROVEMENTS

The following table summarizes improvements observed at the subject property.

IMPROVEMENT	DESCRIPTION
Structures	An aboveground storage tank and an associated building located along the western boundary of the subject property. They are not in use and closed off with metal chain-link fencing and a locked gate. There are no habitable structures at the subject property.
Roads The subject property is accessed from the eastern terminus of Golf Club Road. West Lela Golf Club Road, and the Delta De Anza Trail are immediately north of the subject prope approximately 0.5 miles south of California State Route 4 and approximately one mile w Railroad Ave.	
	A paved path and adjoining parking areas extends from the site entrance on Golf Club Road for approximately 500 feet to the former golf course building locations.
Potable Water Supply/Source	None observed. Subsurface irrigation system piping from the former Golf Course operation is likely still present throughout the subject property.
Sewage Disposal System	None observed.
Heating/Cooling Systems	None observed.

2.5 INTERIOR AND EXTERIOR OBSERVATIONS

Features or conditions observed by WSP during the site reconnaissance are summarized in the following table.

FEATURE / CONDITION	OBSERVED	NOT OBSERVED
Hazardous Substances and/or Petroleum Products Use and Management		\boxtimes
Storage Tanks (USTs and ASTs)	\boxtimes	
Strong, Pungent, or Noxious Odors		
Standing Surface Water and Pools or Sumps Containing Liquids Likely to be Hazardous Substances or Petroleum Products		
Potential PCB-Containing Items		
Interior Stains and Corrosion		
Drains, Sumps, and Clarifiers		
Pits, Ponds and Lagoons		
Stained Soil or Exterior Hardscapes		
Stressed Vegetation		
Evidence of Solid Waste Disposal		
Water/Wastewater Discharges		
Wells	\boxtimes	
Septic Systems/Dry Wells		

Additional information regarding the features and conditions observed at the subject property is provided below.

Storage Tanks

One aboveground storage tank and an adjacent building are located near the eastern boundary of the subject property and the Contra Costa Canal. They appeared to be well-maintained. WSP did not observe evidence of USTs (such as fill or vent piping) during the site visit.

Drains, Sumps, and Clarifiers

The Contra Costa Canal running southeast to northwest across the subject property is effectively a storm drain channel.

Pits, Ponds, or Lagoons

Former artificial ponds and water hazards in the Golf Course exist throughout the subject property, but are no longer filled and maintained.

Wells

Several well boxes were observed in the northern portion and near the aboveground storage tank at the subject property. A well located 1,500 ft east of the intersection of Golf Club Rd and West Leland Rd is used for cathodic protection, as found in the California Department of Water Resources well database. Others may be valve boxes for the recycled water pipeline observed at the subject property.

2.6 ADJOINING PROPERTIES

Based on a visual "drive-by" review, the current uses of properties adjoining the subject property are summarized below:

Direction	Address	Occupant	Property Use
North	1-9 Golf Club Court, 2202-2220 Golf	Various	Residential
	Club Road		
North	2201 Golf Club Road	The Church of Jesus Christ	Commercial
		of Latter-Day Saints	
South	Not Applicable	None	Public Open Space and Grazing Lands
East	Not Applicable	None	Industrial, PG&E Transmission Corridor
West	Not Applicable	None	Public Open Space and Grazing Lands

Conditions indicative of likely migration of petroleum products and/or hazardous substances from adjoining properties to the subject property were not observed.

3 USER PROVIDED INFORMATION AND RECORDS REVIEW

3.1 PHYSICAL SETTING

The table below provides an overview of the physical setting for the subject property.

Feature	Description	
Topographic Gradient	The subject property is a relatively flat area north of the Contra Costa Canal at approximately 70 feet above mean sea level. South of the Contra Costa Canal, the subject property generally slopes up southward, reaching as high as approximately 250 feet above mean sea level.	
	Source: United States Geologic Survey (USGS) Topographic Map, Honker Bay, CA 2022; Site Reconnaissance	
Geologic and Hydrogeologic Conditions	Pittsburg, California is situated in the Great Valley geomorphic province, an alluvial plain in which sediments have deposited for the past 160 million years. The geology of the subject property is Holocene and Pleistocene surficial sediments of alluvial deposits in the northern and eastern portion of the property, and Pliocene to early Pleistocene Oro Loma Formation comprised of interbedded pebble conglomerate, sandstone, and claystone in the western portion of the property.	
	The subject property is within the San Francisco Bay Hydrologic Region and located in the Suisun Bay Watershed and Pittsburg Plain Groundwater Basin. Mean annual historical precipitation in the watershed is 9.49 inches. A nested groundwater monitoring well about 640 feet east of intersection of Golf Club Road and West Leland Road have measured fairly stable groundwater levels since 2012. Groundwater surface elevation was measured around 24 feet at 250-feet well depth and around 5 feet at 190-feet well depth. Assuming that hydrogeologic gradient follows surface topography and flows towards the Bay, groundwater flows south to north. Sources: California Geological Survey (2002); USGS National Geologic Map Database (2023); California	
	Water Watch (2023); California SGMA Portal (2023)	
Surface Water	Surface water and runoff from paved wereas percolates into the ground surface in vegetated areas of the property and into the Contra Costa Canal.	
	Source: Site Reconnaissance	
Nearest Surface Water Body to the Subject property	the drain into from the east. The Contra Costa Canal that cuts through the subject property southeast to northweety an open channel 48-mile aqueduct stretching from the Rock Slough intake to Clyde.	
	Source: USGS Topographic Map, Honker Bay, CA 2022; Contra Costa Water District, Main Canal Modernization Studies (2023); Site Reconnaissance	
Flood Plain	The subject property is not mapped as being located within a 100-year flood plain. Source: Federal Emergency Management Agency (FEMA) Flood Map Service	
Wetlands	Federally designated wetlands were not identified on the subject property.	
· · · · · · · · · · · · · · · · · · ·	Source: U.S. Fish and Wildlife Service's (USFWS) National Wetlands Inventory	
Soils	The native soils at the subject property are classified as Capay clay, Rincon clay loam, and Altamont Clay, all with slow to very slow infiltration rates. Much of the surficial soil appears to be artificial fill or disturbed native soil. The surficial soil is soft and poorly compacted.	
	Source: United States Department of Agriculture (USDA) National Cooperative Soil Survey (2023); Site Reconnaissance	

3.2 HISTORICAL USE REVIEW

The following table summarizes the historical use record sources reviewed for this Phase I ESA and includes whether the source reviewed was applicable to the subject property and/or the adjoining properties. The table also includes relevant comments and reasons for excluding a particular resource, if applicable.

Historical Resource Summary					
Historical	Source(s) / Dates	Applicability		Comments / Reasons for Excluding	
Resource Type		Subject Property	Adjoining Property		
Aerial Photographs	Environmental Data Resources, Inc. (EDR) / 2020, 2016, 2012, 2009, 2006, 1998, 1993, 1984, 1979, 1966, 1952, 1939, 1937 Google Earth Pro / 2022, 2019, 2018, 2016, 2014, 2012, 2008, 2004, 2002, 1993, 1939	⊠	\boxtimes	None	
Fire Insurance Maps	None			No fire insurance maps found in the Sanborn Library, LLC collection	
Local Street Directories	EDR / 2017, 2014, 2010, 2005, 2000, 1995	\boxtimes	×	The Property was not listed in the City Directories dated 1992 and earlier	
USGS Topographic Maps	EDR / 2018, 2015, 2012, 1994, 1997, 1980, 1973, 1968, 1953, 1918, 1908, 1907			None	
Building Department Records	EDR / 2021, 2018, 2017, 2016, 2014, 2013, 2002		×	No building permit department records of subject property found in Contra Costa County Public Works Services or City of Pittsburg Development Services Building Division	
Property Tax Files	None			No property tax maps found in EDR search	

3.2.1 HISTORICAL USES OF THE SUBJECT PROPERTY

A history of previous uses of the subject property since its first developed use was compiled from information obtained from standard historical sources to identify past uses that could have led to RECs in connection with the subject property. The following table summarizes the historical uses of the subject property.

	Historical Use Summary for the Subject Property			
Time Period	General Use	Findings / Discussion		
1907 - 1937	Undeveloped	The subject property was undeveloped.		
1937 - 1939	Agricultural / Undeveloped	A northern segment of the subject property showed signs of tillage and might have been used for agriculture by 1937. Most of the property was undeveloped.		
1939 - 1953	Agricultural / Undeveloped / Residential	The Contra Costa Canal had been constructed across the northern third of the property by 1939. The southeastern corner of the property was developed with rural residences by 1939.		
1953 - 1993	Commercial	The subject property was used as a golf course by 1953.		

Historical Use Summary for the Subject Property			
Time Period General Use Findings / Discussion		Findings / Discussion	
1993 - 2018	Commercial	Ponds and water hazards were constructed in the northwestern and central portions of the Golf Course by 1993.	
2018 -	Vacant	The Delta View Golf Course was permanently closed by 2018.	

3.2.2 DATA FAILURE

WSP did not identify data failure during the Phase I ESA.

3.2.3 HISTORICAL USE SUMMARY – ADJOINING PROPERTIES

Historical uses of adjoining properties were reviewed and determined from appropriate historical sources including aerial photographs, topographic maps, and city directories.

North of the subject property was the historical Small Arms Ranges of the former Camp Stoneman constructed in 1942 and closed in 1954 (Figure 3). Camp Stoneman was the main staging area and firing range for the San Francisco Port of Embarkation. By 1984, some development along Golf Club Road adjoining the northern boundary of the subject property had been constructed, including a residential neighborhood south of Golf Club Road and a church, presently the Church of Jesus Christ of Latter-day Saints, north of Golf Club Road.

West of the subject property was part of the former Camp Stoneman that operated 1942 to 1954. By 1993 an expansion of the Golf Course including two ponds had been constructed west of the property.

South of the subject property was part of the former Camp Stoneman that operated 1942 to 1954 and Stoneman Park. It had been generally undeveloped since 1907.

East of the subject property was part of the former Camp Stoneman that operated 1942 to 1954. The former Delta View Golf Course included areas east of the property from 1953 to 2018. An electric transmission corridor was present by 1979.

3.2.4 USES OF PROPERTIES IN SURROUNDING AREA

Surrounding properties north of the subject property were part of the former U.S. Army Camp Stoneman until 1954. Residential neighborhoods and the Pittsburg Unified School District's Range Road Site were constructed north of the property after 1984.

Surrounding properties west and south of the subject property were part of the former Camp Stoneman until 1954. Surrounding areas south and west of the subject property have remained generally undeveloped. The Keller Canyon Landfill located approximately one mile southwest of the subject property have operated since 1992.

Surrounding properties east of the subject property were part of the former Camp Stoneman which operated from 1942 to 1954. By 1952, the Pittsburg Water Treatment Facility was present approximately 1,000 feet east of the subject property in aerial photographs. By 1979, residential neighborhoods were developed east of the property.

A cursory review of historical uses of properties in the area surrounding did not identify evidence of industrial complexes or other obvious uses or conditions indicating a Recognized Environmental Condition (REC) may exist in connection with the subject property.

3.3 PRIOR ENVIRONMENTAL REPORTS

Draft Records Research Report, Former Camp Stoneman [Tetra Tech, Inc. (Tetra Tech), February 2005]

The purpose of this Records Research Report (RRR) is to research and evaluate operations and activities at the Former Camp Stoneman, and to identify activities related to hazardous or potentially hazardous substances during U.S. Department of

Defense (DoD) occupancy. Thirteen areas of interest (AOI) pertaining to DoD activities were identified and grouped into six areas: Fuel Storage Tanks, Small Arms Ranges, Chemical Warfare Instruction Areas, Sewage Treatment Plant, Radiological Studies, and Sanitary Landfill and Incinerators.

- The subject property overlaps or mostly falls within the boundaries of early and final Small Arms Ranges boundaries.
- The former Delta View Golf Course, the City-owned Stoneman Park, and residential neighborhoods near Golf Club Road and West Leland Road were partially developed on the former the Small Arms Ranges AOI area, including the 200-yard Rifle Range, 50-yard Pistol Range, 300-yard Rifle Range, and the Impact Area downrange of the rifle ranges. The Impact Area AOI adjoins the subject property on the western boundary; the 300-yard Rifle Range is a surrounding area north of Golf Club Road and the subject property (Figure 3, ITSI, 2008).
- A training mortar round was found in 1991 near former Hole #5 of the Golf Course in November 1991 and documented in a City of Pittsburg Police Department incident report. Several spent bullets were found in the target berm of the 300-yard range as well as the Impact Area (Golf Course former Hole #5 and Hole #14) and documented in an 1997 U.S. Army Corps of Engineers (USACE) St. Louis District Ordnance and Explosive Waste Chemical Warfare Materials Archives Search Report.
- The USACE recommended a 92-acre area be swept with a magnetometer for the presence of buried munitions and recommended further investigation of possible lead contamination in the Impact Area. No documentation of any further investigative or remediation activities was found in this RRR.

Preliminary Environmental Assessment Report, Proposed Range Road School Site, Intersection of W. Leland Road and Range Road, Pittsburg, California (Conestoga-Rovers & Associates, 2006)

This report was prepared for the Pittsburg Joint Unified School District for the proposed Range Road School Site, located north of the subject property. A previous Phase I Environmental Site Assessment conducted for this site found the potential for lead to be present within the backstop structures onsite and in site soils, and two underground fuel storage tanks (USTs) at the site. Shallow soil investigations, a magnetic utility locater survey, and in-depth records review are documented in this report. Relevant findings to the subject property are summarized as follow.

- The range road site was used as a target/shooting range from 1940s to the mid-1980s.
- No contaminants of potential concern (COPCs) are identified in the investigation of shallow soils. Metals concentrations
 detected in the site soil samples are within the ranges of local background concentrations.
- There does not appear to be a threat to human health or the environment at the Range Road School Site and no further actions regarding environmental investigative activities are recommended.

<u>Final Preliminary Assessment Report, Former Camp Stoneman [Innovative Technical Solutions (ITSI), Inc., August 2008]</u>

This Preliminary Assessment was conducted as part of the Formerly Used Defense Site (FUDS) Program to collect, document, and analyze available information regarding environmental conditions at the former Camp Stoneman, assess potential threats to public health and the environment, determine the need for removal or remedial action, and make recommendations for future action.

- In 2007, a practice mortar round was found at 499 West Leland Road, north of the subject property and former Golf Course. This is a second mortar round found in the former Camp Stoneman in addition to the munition round found in 1991 near the former Golf Course Hole #5.
- A removal action at the former 300-yard Rifle Range north of the subject property was initiated in 2007. It included the excavation and sifting of the upper one foot of soil, disposal of casings, bullets, and fragments, and the removal of three backstop berms and a concrete retaining wall.
- Among the thirteen AOIs identified in the 2005 Records Research Report (Tetra Tech), the 300-yard range, 200-yard range, pistol range, 1,000-inch Rifle Range, and golf course (Impact Area) sites, all within a 1-mile radius of the subject property, are deferred to the Military Munitions Response Program (MMRP) under the jurisdiction of the USACE Huntsville District for Preliminary Assessment and Site Investigation activities.
- Six other AOIs, including the additionally identified Wharf Facilities site in this report, are recommended for further investigation. The remaining areas are recommended for No Department of Defense Action Indicated (NDAI).

Final Site Inspection Work Plan, Former Camp Stoneman (ITSI, Inc., December 2008)

This Work Plan is based on the 2008 Preliminary Assessment by ITSI, Inc (PA). and proposes inspection and investigation in three AOIs: Sanitary Landfill, Incinerators, and Wharf Facilities sites. Of the eleven AOIs identified in the PA of potential environmental concern, four including the golf course Impact Area were deferred to the MMRP, three were former fuel tanks and would be addressed independently, and the remaining three are addressed in the scope of this Work Plan.

If contaminants of potential concern (COPC) are not detected in soil samples above the comparison criteria, the areas represented by those soil samples will be considered to have no environmental impact from former DoD activities, and will be recommended for NDAI. If a COPC is detected in soil above the comparison criteria, the maximum soil concentration will be further evaluated to determine if it would pose a human health threat or have the potential to leach and migrate to a groundwater pathway.

No Department of Defense Actions Indicated (NDAI) Letter (USACE, April 2010)

This letter transmits the finding of No Department of Defense Actions Indicated (NDAI) of the former Camp Stoneman to the San Francisco Bay Regional Water Quality Control Board Department of Defense Program. General information of the Camp Stoneman Hazardous, Toxic, and Radiological Waste (HTRW) Project was outlined. Results of the Site Inspection proposed in the Work Plan by ITSI (2008) were summarized. The Sanitary Landfill, Incinerators, and Wharf Facilities AOIs were determined ineligible under the FUDS program. Possible USTs identified in the Preliminary Assessment (ITSI, 2008) were difficult to locate due expansive improvements at the site and lack of visual evidence and public records.

Notably, there is no mention of AOIs adjacent to the subject property (Small Arms Ranges and Impact Area) previously deferred to the MMRP in this letter.

The conclusion of the report was that no further actions related to Department of Defense activities and their impacts on the environment within the site was required.

<u>Draft Phase I Environmental Site Assessment, Proposed Pittsburg Technology Park 311386 (TRC Solutions, Inc., January 2020)</u>

TRC Solutions, Inc. (TRC) was retained by Energy Delivery Solutions LLC (EDS) and the City of to perform a Phase I ESA of the proposed Pittsburg Technology Park Site located at 2222 Golf Club Road in Pittsburg, California. This ESA found no evidence of Recognized Environmental Conditions (RECs), Controlled Recognized Environmental Conditions (CRECs), Historical Recognized Environmental Conditions (HRECs), or *de minimis* conditions. The ESA discusses the former Camp Stoneman and concludes that because the subject property was not within the boundary of Camp Stoneman, and no evidence of the presence or former presence of ordnance on the subject property has been identified, Camp Stoneman is not considered a REC with respect to the subject property.

3.4 REGULATORY RECORDS REVIEW

WSP contracted Environmental Data Resources, Inc. (EDR) to conduct a search of publicly available information from federal, state, and tribal environmental regulatory agency databases that include information related to regulated facilities and facilities that have reported releases of hazardous substances and/or petroleum products. The standard government environmental records searched, and minimum search distances are consistent with criteria included in ASTM E1527-21 Section 8.2.2. The EDR report also included supplemental environmental record sources that are generally related to environmental compliance and may indicate a business environmental risk, but are not necessary indicative of a REC. The supplemental record sources were reviewed and discussed to the extent the record was pertinent within the scope of this assessment

EDR gathers the regulatory search data into a cohesive report utilizing geocoded location information that is provided by the respective database sources. Resources with inadequate information are identified as "orphan" or "unmappable sites." The listed sites are identified within the minimum search radii identified within the ASTM Standard E1527-21. The regulatory database report is included in Appendix C.

WSP generally considers the following criteria to determine if a listed database site is a potential environmental concern for the subject property: 1) the site's distance from and/or position in relation to topography and groundwater gradient from the subject property; 2) indication of a spill or release; and 3) status of associated regulatory agency environmental cases.

The sites that have the greatest potential to have caused environmental contamination were those that have had releases or spills of hazardous substances or petroleum products located upgradient or in close proximity to the facility. The direction of

localized groundwater flow at the 2222-2242 Golf Club Road site is presumed to be to the north. Therefore, the sites that are of the greatest potential concern are those that have had releases or spills of hazardous substances or petroleum products and are upgradient or in close proximity to the subject site.

Regulatory database listings associated with the subject property, adjacent site(s), and surrounding properties of concern that WSP determined warrant additional discussion based on the criteria above are identified in the summary table below. A list of database acronyms and summaries follows.

		Environmenta	l Records Review Summary	
Facility Name / Address	Distance / Direction	Database Listing(s)	Discussion / Finding	
AT&T Mobility / PG&E Tower / T-Mobile West, LLC B Facility / Pittsburg Golf Course / Delta View Golf Course / Pittsburg Country Club 2222-2242 Golf Club Road, Pittsburg, California	Subject Property	CONTRA COSTA CO. SITE LIST; CHMIRS; CORTESE; HIST CORTESE; CERS; SWEEP UST	In 2000, a power pole was down and approximately 75 gallons of transformer oil was spilled and cleaned up within two days. Spill did not contain polychlorinated biphenyls (PCBs). In 1994, an underground storage tank (UST) leak was discovered during the removal of a 1,100-gallon UST. Soil was the potential medium of concern and gasoline was the potential contaminant of concern. Substantially impacted soil was removed with extensive excavation and no groundwater was encountered during excavation. Pockets of impacted soils remain in the sidewalls. The case was closed in 1997.	
American Civil Constructors West Coast 2220 Golf Club Rd Pittsburg	0.25 miles North	RCRA NONGEN / NLR	This facility is registered as an RCRA waste handler with no violatic or evaluation records found.	
Verizon Wireless Willow Pass 101 Avila Road, Pittsburg, California	0.25 miles North	CONTRA COSTA CO. SITE LIST; CERS	This location is registered as a chemical storage facility and maintains related inspection records.	
Rancho Medanos Middle School / Rancho Medanos Junior High School / Range Road Middle School Site 2301 Range Road, Pittsburg, California	0.5 miles North	RCRA NONGEN / NLR; ENVIROSTOR; SCH	This site north of the subject property was under investigation as part of the former Camp Stoneman. It was part of the Small Arms Ranges AOI area (Section 4.3). The site was investigated for possible elevated concentrations of metals and ordnance. o COPCs were identified and no further environmental investigative activities were recommended.	
Stanley Works / Acme Steel / Cold Metal Products 855 North Parkside Dr Pittsburg, Ca	1 mile North	RCRA-SQG; ENVIROSTOR; CERS HAZ WASTE; SWEEPS UST; HIST UST; CONTRA COSTA CO. SITE LIST; CERS; NOTIFY 65	Three releases were reported at the site. Groundwater with uses other than drinking water and soil were potential media of concern. Petroleum/fuels/oils, and volatile organic compounds (VOCs) were potential contaminants of concern. A xylene leak was discovered during UST closure in 1987. VOCs contamination was associated with a septic system removed in 1992. A petroleum release from an adjacent property was discovered in 2004. Remedial actions were completed for all three cases. Deed restriction, land use restriction, and environmental covenants were implemented at the site.	

		Environmenta	l Records Review Summary
Facility Name / Address	Distance / Direction	Database Listing(s)	Discussion / Finding
Kevin Albertsen 2181 Dover Way Pittsburg, California	0.25 miles Northeast	RCRA NONGEN / NLR	This individual is registered as a RCRA waste handler with no violation or evaluation records found.
Pittsburg Water Treatment Plant / Pittsburg Water Filtration Plant / City of Pittsburg Public Services / 300 Olympia Drive, Pittsburg, California	0.25 miles East	CERS; CERS HAZ WASTE; SWEEPS UST; ENF; CONTRA COSTA CO. SITE LIST; WDS; CIWQS;	This site is a water treatment plant owned and operated by the City of Pittsburg. It holds five diesel USTs with 1,500-gallon, 2,385-gallon, 290-gallon, and 280-gallon capacities. The facility is also registered as a hazardous waste generator and handler and a wastewater discharger. A stormwater construction permit was active from 2014 to 2016 at the facility. Several administrative violations existed regarding USTs and hazardous materials and the facility returned to compliance within a few months. There is also a violation related to stormwater / wastewater discharge pH in 2007.
Veronica Alston 37 Orinda Circle Pittsburg, California	0.5 miles East	RCRA NONGEN / NLR	This individual is registered as a hazardous waste handler with no violation or evaluation records found.
Camp Stoneman IR- MMRP Railroad Avenue, Pittsburg, California	0.5 miles East	RESPONSE ENVIROSTOR	Former Camp Stoneman is a U.S. Army staging area and training facility. Thirteen areas of interest (AOIs) were identified at the site for potential environmental concern as a result of the DoD occupancy in 2005. Multiple investigations and assessments were carried out for the site (Section 4.3). Four of the AOIs were in close proximity to the subject property in the north, and deferred to the Military Munitions Response Program (MMRP) with succeeding records. A finding of No Department of Defense Actions Indicated (NDAI) for Hazardous, Toxic, and Radiological Waste (HTRW) was issued from USACE to the San Francisco Bay Regional Water Quality Control Board (RWQCB) in 2010.
Service Station - SAP 135771 3737 Railroad, Pittsburg, California	0.75 miles East	RCRA-LQG; LUST; CERS HAZ WASTE; HIST UST; CERS TANKS; FINDS; CORTES; HIST CORTESE; NOTIFY 65; CONTRA COSTA CO. SITE LIST; CERS	An UST leak was discovered during closure in 1989. Soil was the potential media of concern and gasoline was the potential contaminant of concern. The case was closed in 2004 as groundwater was found not to be impacted by the release in the Groundwater Assessment Program initiated by Shell Oil Products US. Several violations related to business administration and equipment maintenance exist edfor the facility, but it returned to compliance for all of them thereafter.

Generon IGS, a facility located at 992 Arcy Lane, appears to be located by EDR 0.094 miles away from the subject property by mistake. It is in fact 3.5 miles east of the subject property. The facility is registered as a hazardous waste generator and chemical storage facility in databases CONTRA COSTA CO. SITE LIST and CERS.

Environmental Databases Summary				
CERS HAZ WASTE	List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator and RCRA LQ HW Generator programs.			
CONTRA COSTA CO. SITE LIST	Lists includes sites from the Underground Tank Program, Hazardous Waste Generator Program and Business Plan 12185 Program.			
CORTESE	The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).			
ENVIROSTOR	The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifies sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites.			
HIST CORTESE	The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.			
LUST	Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the California State Water Resources Control Board (SWRCB) data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.			
NOTIFY 65	Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.			
RCRA NONGEN / NLR	RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.			
SCH	SCH: This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category. depending on the level of threat to public health and safety or the. environment they pose.			
SWEEPS UST	Statewide Environmental Evaluation and Planning System (SWEEPS UST) is an underground storage tank listing updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.			
UST	The Underground Storage Tank (UST) database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The			

Environmental Databases Summary			
	data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.		

3.5 ADDITIONAL ENVIRONMENTAL RECORD SOURCES

CITY OF PITTSBURG

WSP submitted a public records request to the City of Pittsburg City Clerk on January 4, 2023 for the subject property. As of the date of this assessment, a response has not been received from the City Clerk. Information obtained from the City Clerk is expected to contain local building and land records. This limitation is not expected to be significant due to available aerial photographs, topographic maps, historical building records, and historical city directories of the subject property.

BAY AREA AIR QUALITY MANAGEMENT DISTRICT

WSP submitted a public records request to the Bay Area Air Quality Management District (BAAQMD) on January 4, 2023, for the subject property. On January 4, 2023, the BAAQMD responded that no responsive records were identified for the subject property.

CONTRA COSTA COUNTY FIRE PROTECTION DISTRICT

WSP submitted a public records request to the Contra Costa County Fire Protection District (CCCFPD, Fire District) on January 4, 2023, for the subject property. On January 4, 2023, the Fire District responded, noting the possession of six files with 98 pages total. WSP reviewed all files released by the Fire District on January 9, 2023:

- File pertaining Zio Nicolo's Restaurant, Pittsburg Golf Course, 2222 Golf Links Rd, Pittsburg, CA from Riverview Fire Protection District dated December 28, 1992. The Fire District review food and duct fire suppression plans and code compliance. Invoices of permit applications and fire plans were also attached.
- CCCFPD Inspection Notice For 2222 Golf Club Road dated August 27, 2013. The Inspection Notice stated that violations have been found to exist; and that a reasonable degree of fire safety exists after correction.
- Project Referral & Request for Comments/Conditions from the City of Pittsburg on the addition of a new enclosure in the AT&T Wireless Telecommunications Facility, dated June 20, 2022. The project is located on APN: 095-160-005, south of Delta De Anza Trail.
- AT&T Wireless Telecom Facility New Enclosure, 2222 Golf Club Rd, Planning #: AP-22-0049, CCCFPD Project No.:
 P-2022-017679 from CCCFPD to City of Pittsburg Planning Department dated June 22, 2022. This letter requests generator plans for the referenced Project.
- Start-up inspection for Generac Power Systems Industrial Product, 2220 Golf Club Rd. Blank form; startup paperwork for AT&T generator tower, likely associated with the CCCFPD request of generator plans.
- File from CCCFPD Fire Prevention Bureau Project number P-2022-016139 stating that plans and specifications for the installation of a 30kW standby generator with a 132-gallon belly fuel tank and UPS enclosure submitted 01/25/2022 for review are approved with comments.

CONTRA COSTA COUNTY HAZARDOUS MATERIALS PROGRAM

WSP submitted a public records request to the Contra Costa County Hazardous Materials Program (CCCHMP) on January 10, 2023, for the subject property. On January 10, 2023, the CCCHMP responded with the following records identified for the subject property:

- CCCHMP Notice of Violation dated March 16, 2009, stating that the CCCHMP have not received Business Owner/Operator identification page, including chemical inventory pages.
- Unified Hazardous Waste and Hazardous Materials Management Regulatory Program Annual Business Authorization / Permit Number 77-4003 for the facility T-Mobile West Corporation BA01747A, 2222 Golf Club Rd, Pittsburg, CA,

- issued 07/01/2009 and expired 06/30/2010. Included inspection records document a violation and replacement related to a battery which had a gel material leaking out of cracked casing.
- CCCHMP Hazardous Materials Programs Certified Unified Program Agency Permit Number 07-000-775381 Permit to Operate, valid 7/1/2016 through 6/30/2017 for Facility T-Mobile West Corporation BA01747A, 2222 Golf Club Rd, Pittsburg, CA. Included inspection records document a violation due to the omission of a storm drain in the submitted site map.
- CCCHMP Hazardous Materials Programs Certified Unified Program Agency Permit Number 07-000-775381 Permit to Operate, valid 7/1/2017 through 6/30/2018 for Facility T-Mobile West Corporation BA01747A, 2222 Golf Club Rd, Pittsburg, CA.
- CCCHMP Hazardous Materials Programs Certified Unified Program Agency Permit Number 07-000-775381 Permit to Operate, valid 7/1/2018 through 6/30/2019 for Facility T-Mobile West Corporation BA01747A, 2222 Golf Club Rd, Pittsburg, CA.
- CCCHMP Hazardous Materials Programs Certified Unified Program Agency Permit Number 07-000-775381 Permit to Operate, valid 7/1/2019 through 6/30/2020 for Facility T-Mobile West Corporation BA01747A, 2222 Golf Club Rd, Pittsburg, CA.
- CCCHMP Hazardous Materials Programs Certified Unified Program Agency Permit Number 07-000-775381 Permit to Operate, valid 7/1/2021 through 6/30/2022 for Facility T-Mobile West Corporation BA01747A, 2222 Golf Club Rd, Pittsburg, CA.
- CCCHMP Hazardous Materials Business Plan Inspection Report for Business T-Mobile West, LLC BA01747A, 2222
 Golf Club Rd, Pittsburg, CA, documenting that hazardous materials business program elements were submitted to CERS containing all required elements.
- CCCHMP Hazardous Materials Programs Certified Unified Program Agency Permit Number 07-000-775381 Permit to Operate, valid 7/1/2022 through 6/30/2023 for Facility T-Mobile West Corporation BA01747A, 2222 Golf Club Rd, Pittsburg, CA.

CONTRA COSTA HEALTH SERVICES

WSP submitted a public records request to the Contra Costa Health Services on January 4, 2023, for the subject property. On January 4, 2023, the Contra Costa Health Services responded that no responsive records were identified for the subject property.

CALIFORNIA EPA AIR RESOURCES BOARD

WSP submitted a public records request to the California EPA Air Resources Board on January 4, 2023 for the subject property. On January 4, 2023, the California EPA Air Resources Board responded and directed the request to the local air district (BAAQMD).

CALIFORNIA DEPARTMENT OF PESTICIDE REGULATION

WSP submitted a public records request to the California Department of Pesticide Regulation on January 4, 2023, for the subject property. On January 11, 2023, the California Department of Pesticide Regulation responded that no responsive records were identified for the subject property.

CALIFORNIA OFFICE OF ENVIRONMENTAL HEALTH HAZARD ASSESSMENT

WSP submitted a public records request to the California Office of Environmental Health Hazard Assessment (OEHHA) on January 4, 2023, for the subject property. On January 19, 2023, the California OEHHA responded that no responsive records were identified for the subject property.

CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL (DTSC) REGULATORY ASSISTANCE OFFICE

WSP searched the DTSC EnviroStor database on January 6, 2023, for the subject property on January 9, 2023. No cases were listed for the subject property. Camp Stoneman and the Range Road Middle School sites are the only cases within a half-mile radius of the subject property, both discussed in Section 4.3 and 4.4.

STATE WATER RESOURCES CONTROL BOARD (SWRCB) AND SAN FRANCISCO BAY REGIONAL WATER QUALITY CONTROL BOARD (SFB RWQCB)

WSP searched the SWRCB GeoTracker database on January 6, 2023, for the subject property on January 9, 2023. A leaking UST case was listed for the subject property, discussed in Section 4.4. No cases exist within a half-mile radius of the subject property.

UNITED STATES ARMY CORPS OF ENGINEERS (USACE)

WSP submitted a public records request to the USACE Huntsville District and the USACE Sacramento District on January 11, 2023, for the subject property. On January 17, 2023, the USACE Huntsville District responded that no responsive records were identified for the subject property. As of the date of this assessment, a response has not been received from the USACE USACE Sacramento District. Information obtained from the USACE is expected to contain investigation reports of the former Camp Stoneman, including the Small Arms Ranges and Impact Area AOI adjoining the subject property.

3.6 ENVIRONMENTAL LIENS/ACTIVITY AND USE LIMITATIONS

An environmental lien/activity and use limitations search is a User responsibility and was not conducted as part of this Phase I ESA per the agreed upon scope of work; however, a search of engineering and institutional controls on the use of the property, including deed restrictions, was included in the regulatory database search conducted by EDR. The Environmental Lien and Activity and Use (AUL) Search is included in Appendix D.

4 NON-SCOPE CONSIDERATIONS

4.1 LIMITED SOIL SCREENING

WSP conducted limited soil sampling as part of this Phase I ESA. The purpose of the soil screening was to provide additional information related to the operation of the former Delta View Golf Course and Camp Stoneman, and preliminarily determine whether top soil in select areas had been potentially impacted by agricultural chemical use or the operation of the nearby former Camp Stoneman. The limited soil screening is based on knowledge of the Golf Course operation and previous reports on Camp Stoneman (Section 4.3) and metals identified as contaminants of potential concern. This investigation was limited in scope and is not intended to cover or identify all areas on the subject property that may have been impacted by historical operations.

4.1.1 SAMPLING METHODOLOGY

Prior to mobilizing for field activities, WSP marked proposed boring locations activities with stakes, notified Underground Service Alert (USA) so that local utility companies could mark their lines at proposed boring locations. On December 14, 2022, sampling fieldwork for Phase I ESA commenced in conjunction with the exploratory boring drilling and sampling for the purposes of a Geotechnical Due Diligence Report conducted by WSP (2023). Four borings were hand-augered and samples were collected at the surface and at 5 ft-bgs from the hand auger. Soil samples were collected from four borings (WSP-PDC-01 through WSP-PDC-04, Figure 2) at 0 feet below ground surface (ft-bgs) and 5 ft-bgs depths each. To minimize the potential for cross-contamination, any equipment that came into contact with the subsurface was decontaminated before use and between boring locations. All borings were backfilled with available cuttings and soils from the immediate area.

4.1.2 LABORATORY ANALYSES

Eight samples were submitted to McCampbell Analytical, Inc., a National Environmental Laboratory Accreditation Program (NELAP) certification laboratory under standard chain-of-custody procedures for the following analyses:

- Polychlorinated biphenyls (PCBs) by EPA Method 8082
- Organochlorine Pesticides (OCPs) by EPA Method 8081
- Herbicides by EPA Method 8151
- Total Petroleum Hydrocarbons (TPHs) by EPA Method 8015
- Metals (California Administrative Manual 17) by EPA Method 6020

4.1.3 SCREENING CRITERIA

The evaluation criteria for soil sampling results are the San Francisco Bay Region Regional Water Quality Control Board Environmental Screening Levels (ESLs) for Direct Exposure Human Risk (SFB RWQCB, 2019 Rev. 2). Designated for residential land use, commercial/industrial land use, or construction workers, the ESLs are intended to help expedite the identification and evaluation of potential environmental concerns at contaminated sites. Two ESL criteria are provided by the SFB RWQCB for Construction Worker: Any Land Use / Any Depth Soil Exposure, one applicable to Cancer Risk and one applicable to Non-Cancer Hazard. This assessment uses whichever of the two that is lower for a select contaminant.

4.1.4 RESULTS

Analytical results of collected samples are presented in Table 1, in conjunction with Environmental Screening Levels. Sampling locations are presented in Figure 2.

Metals, petroleum hydrocarbons, and pesticides werefound at the subject property. No polychlorinated biphenyls (PCBs) or herbicides weredetected in collected samples. No contaminant of potential concern were identified based on the results.

A number of metals werefound at almost all samples across all locations and depths: antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, silver, thallium, vanadium, and zinc. Only arsenic detections exceed the ESL at concentrations ranging from 3.1 to 6.2 milligrams per kilogram (mg/kg), while its Screening Level is 0.98 mg/kg. However, estimates of background concentrations for arsenic in the San Francisco Bay Area range from 8.3 mg/kg to 17 mg/kg [Lawrence Berkeley National Laboratory (LBNL), 2009]. A study sited by the SFB RWQCB calculated an upper estimate of the mean background concentration to be 11 mg/kg, which is often used as the standard (Duvergé, 2011). Based on these results, arsenic levels do not exceed expected background concentrations for local soil. Additionally, metals detections were highly homogenous across samples, and in the same orders of magnitude as the results from a shallow soil investigation conducted 0.5 miles north of the subject property (Conestoga-Rovers & Associates, 2006).

Total petroleum hydrocarbons (TPHs) were detected in low concentrations in three samples. TPH as gasoline is found at approximately 0.75 mg/kg and 1.6 mg/kg in two samples. TPH as diesel is found at 2.3 mg/kg and 2.5 mg/kg in two samples. TPH as motor oil concentrations ranges from non-detection to 10 mg/kg. Detected TPHs were well below their respective ESLs.

Two organochlorine pesticide analytes were found at the subject property: heptachlor and methoxychlor. Heptachlor is detected at approximately 0.00093 mg/kg in the surface sample of boring location WSP-PDC-02. Methoxychlor is detected at approximately 0.00014 mg/kg at 5 ft-bgs at WSP-PDC-01, and 0.00019 mg/kg at 5 ft-bgs at WSP-PDC-03. These concentrations were well below corresponding ESLs.

4.1.5 CONCLUSIONS

The limited soil screening found no evidence of significant releases of metals, TPHs, PCBs, pesticides, or herbicides. No significant impacts from historical operations of the Golf Course or the adjoining former Camp Stoneman were found.

Onsite or offsite reuse of soil will require further investigation of the soil to appropriate excavation depths, and comparison of soil analytical results to Soil Tier 1 Environmental Screening Levels (ESLs) from the San Francisco Bay Region Regional Water Quality Control Board (RWQCB, 2019) as well as background concentrations of several contaminants.

5 EVALUATION

5.1 FINDINGS

WSP did not identify evidence of RECs, HRECs, CRECs or de minimis conditions in connection with the subject property.

5.2 DATA GAPS

WSP identified the following data gaps during completion of this Phase I ESA:

- There were no individuals knowledgeable of the uses and physical characteristics of the former Golf Course that operated at the subject property available for WSP to interview. Alternative candidates for interview typically include present or previous site occupants; however, the subject property is currently unused and users in the past 70 years were associated with the former Golf Course. However, available historical and agency record associated with the Golf Course were located and reviewed by WSP. The limited soil screening conducted as part of this Phase I ESA (Section 5) also found no evidence of plausible impacts from the former Golf Course operation such as surficial pesticides release. Therefore, this data gap is not considered significant and not expected to alter the findings of this assessment.
- The Small Arms Ranges and Impact Area of the former U.S. Army Camp Stoneman were within one mile north of the subject property. This is an area of interest was previously deferred to the Military Munitions Recovery Program (MMRP) for further investigations under the jurisdiction of the USACE Huntsville District for Preliminary Assessment and Site Investigation activities. No records on the MMRP deferral or related assessments or investigations were located and the subject property was not identified in the Formerly Used Defense Sites (FUDS) database. It is also possible that the deferral to the MMRP was not followed up or implemented. Nevertheless, a shallow soils investigation conducted in the area of interest found no elevated metals concentration (Conestoga-Rovers & Associates, 2006). Therefore, this data gap is not considered significant and not expected to alter the findings of this assessment.

5.3 BUSINESS ENVIRONMENTAL RISKS

WSP identified the following noteworthy issues at the Site that may be considered business environmental risks, that while not considered RECs, were defined as a risk that can have a material environmental or environmentally driven impact on the business associated with the current or planned use of commercial real estate, and is not an issue required to be investigated under the ASTM standard:

— Prior environmental reports focused on the former U.S. Army Camp Stoneman established in 1942 and deactivated in 1954 identified the former Small Arms Ranges to be overlapping with the subject property area (Figure 3). Spent bullets and mortar rounds have been found in close proximity to the subject property. Historical use of the subject property as a shooting range may have incurred metal impacts on soil, soil vapor, and groundwater. Military bases and defense sites are associated with releases of hazardous substances and pollutants, discarded munitions, munitions constituents, and unexploded ordnance (EPA, 2023). However, a soil investigation conducted at the Range Road School Site at the intersection of West Leland Road and Range Road north of the subject property identified no potential contaminants of concern (Conestoga-Rovers & Associates, 2006). No unexploded ordnances have been found at the subject property.

6 CONCLUSIONS

WSP has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E1527-21 of [insert address or legal description], the subject property. Any exceptions to, or deletions from, this practice are described in Section 1.3.1 of this report. This assessment has revealed no RECs, CRECs or significant data gaps in connection with the subject property.

7 ENVIRONMENTAL PROFESSIONAL DECLARATION

This report was prepared by Xin Jiang under the supervision of Rick E. Freudenberger, Executive Vice President of WSP. Mr. Freudenberger's resume is included in Appendix B.

I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in Section 312.10 of 40 CFR Part 312. I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. I have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Rick E. Freudenberger, Executive Vice President

Ruhard E. Freudenberge

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ACRONYMS

AAI all appropriate inquiries

AST Aboveground Storage Tank

CERCLA Comprehensive Environmental Response, Compensation, and Liability Act

CERCLIS Comprehensive Environmental Response, Compensation, and Liability Act Information System database

CFR Code of Federal Regulations

CREC Controlled Recognized Environmental Conditions

DENR Department of Environmental and Natural Resources

EPA U.S. Environmental Protection Agency

EPA Environmental Protection Agency

ERIS Environmental Risk Information Services.

ESL Environmental Screening Level

FUDS Formerly Used Defense Site

HREC Historical Recognized Environmental Conditions

IMD incident management database

LUST leaking underground storage tank database

LUST leaking underground storage tank trust database

TRUST

MMRP Military Munitions Recovery Program

PCBs polychlorinated biphenyls

REC Recognized Environmental Conditions

SFB San Francisco Bay Regional Water Quality Control Board

RWQCB

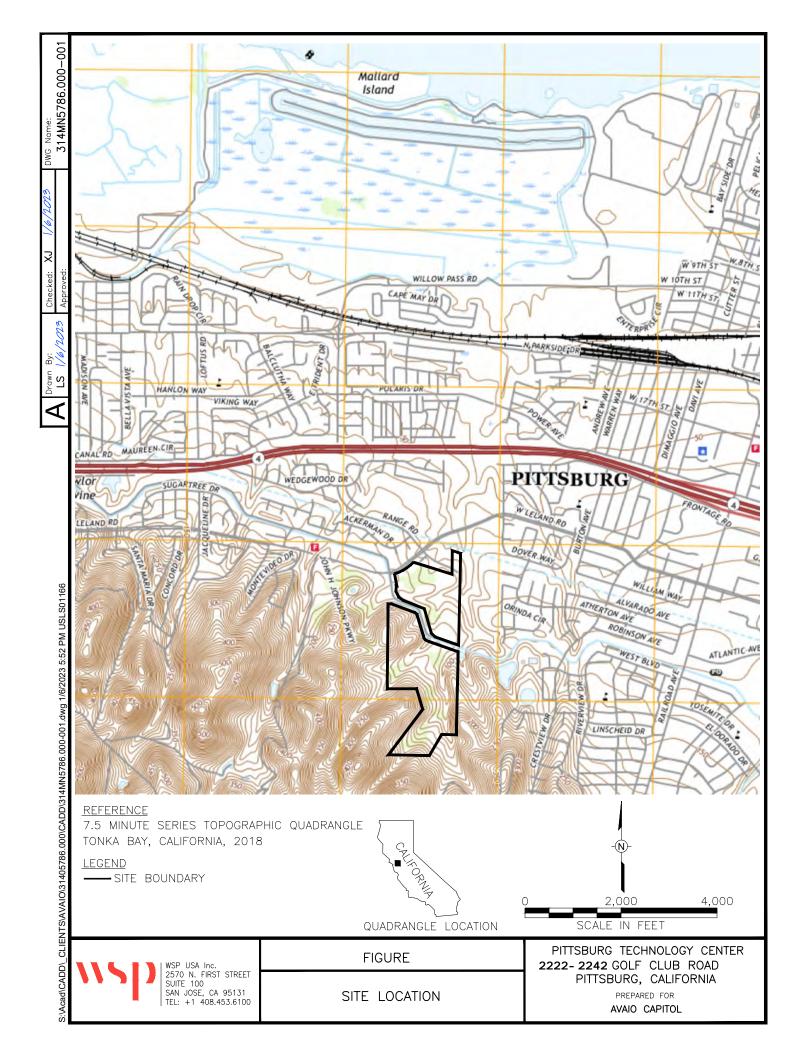
SWRCB State Water Resources Control Board

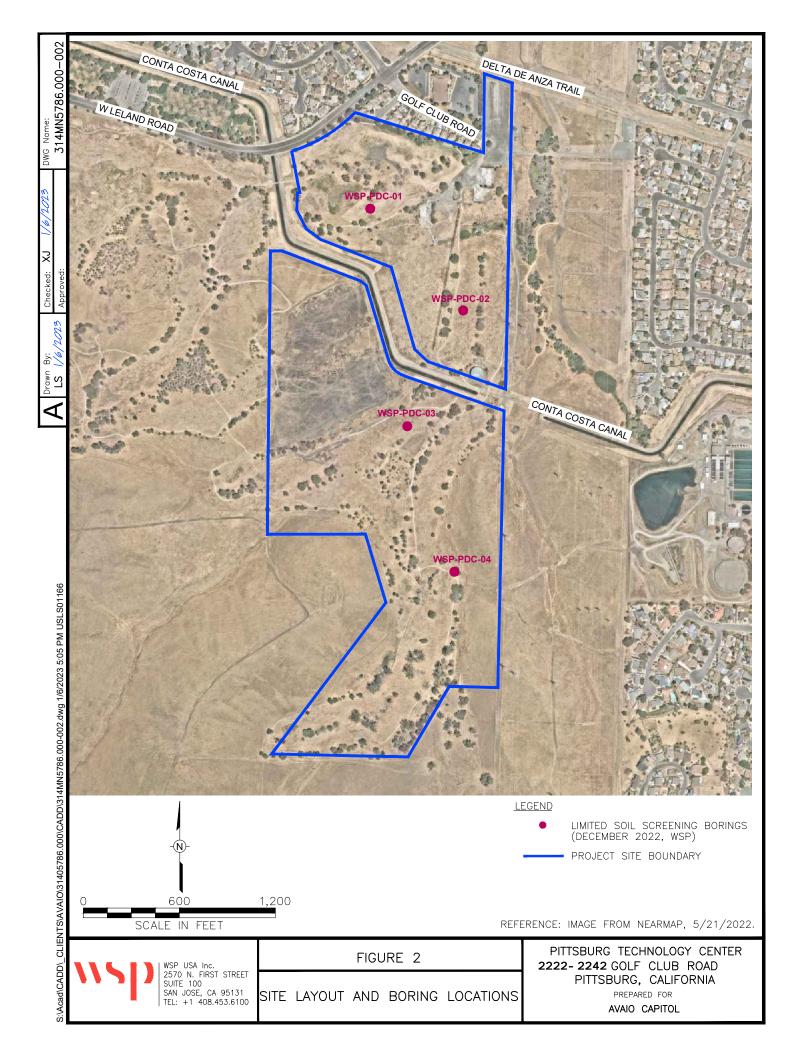
TPHs Total Petroleum Hydrocarbons

USACE United States Army Corps of Engineers

UST Underground Storage Tank

FIGURES & TABLE





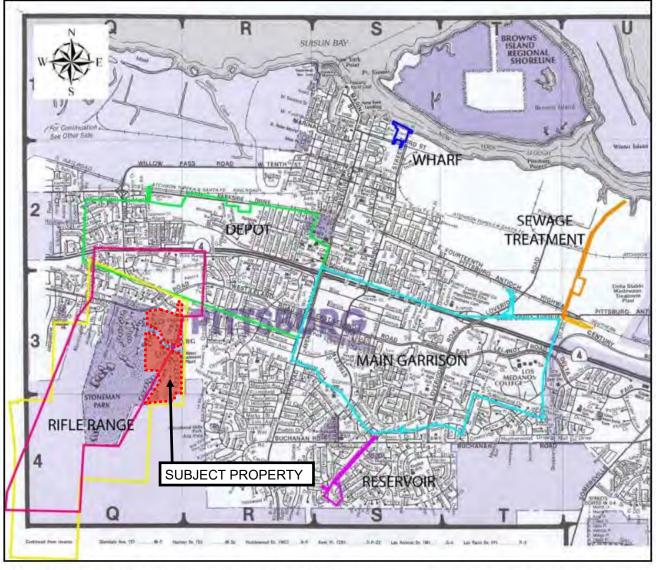
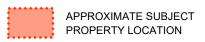


Figure 2-1 Location of former Camp Stoneman Areas overlaid upon Pittsburg Street Map: yellow = early Small Arms Ranges (Rifle Range) boundary; red = final Rifle Range boundary; green = Reclassification Depot; dark blue = Wharf; light blue = Main Garrison; and orange = Sewage Treatment Plant and Pipeline Corridor.



ADOPTED FROM FIGURE 2-1 IN DRAFT RECORDS RESEARCH REPORT, FORMER CAMP STONEMAN (TETRA TECH, INC., 2005)



FIGURE 3

FORMER CAMP STONEMAN

PITTSBURG TECHNOLOGY CENTER
2222-2242 GOLF COURSE ROAD
PITTSBURG, CALIFORNIA
PREPARED FOR
AVAIO CAPITAL

Table 1
Limited Soil Screening Results, Sampled December 14, 2022 at 2222-2242 Golf Club Road, Pittsburg, California

ı		1			1	ı			1	1	
Analyte Type	Analyte [a]	CAS Number	Environmental Screening Level ^[b]	WSP-PDC-01-0	WSP-PDC-01-5	WSP-PDC-02-0	WSP-PDC-02-5	WSP-PDC-03-0	WSP-PDC-03-5	WSP-PDC-04-0	WSP-PDC-04-5
		Number	Screening Level (*)	0 ft-bgs	5 ft-bgs	0 ft-bgs	5 ft-bgs	0 ft-bgs	5 ft-bgs	0 ft-bgs	5 ft-bgs
	Antimony	7440-36-0	49.55	0.34 J	0.35 J	0.31 J	0.36 J	0.29 J	0.35 J	0.31 J	0.4 J
	Arsenic ^[c]	7440-38-2	0.98	4.7	4.6	4.1	6.1	3.6	5.5	3.1	6.2
	Barium	7440-39-3	3019.10	120	160	84	200	110	190	120	140
	Beryllium	7440-41-7	27.19	0.45 J	0.62	0.33 J	0.75	0.44 J	0.61	0.4 J	0.8
	Cadmium	7440-43-9	50.90	0.17 J	0.093 J	0.3 J	0.092 U	0.23 J	0.14 J	0.21 J	0.092 U
	Chromium	7440-47-3		21	32	20	27	20	28	20	29
	Cobalt	7440-48-4	27.90	7.1	12	7.1	10	7.2	9.4	6.3	12
	Copper	7440-50-8	14157.58	17	19	15	24	15	19	16	23
Metals	Lead	7439-92-1	160.00	7.7	6.4	15	7.4	13	6.4	21	7.7
 	Mercury	7439-97-6	43.59	0.038 J	0.038 U	0.052	0.038 U	0.048 J	0.038 U	0.064	0.038 U
	Molybdenum	7439-98-7	1769.70	1	0.33 J	0.6	0.34 J	0.59	0.31 J	0.83	0.36 J
	Nickel	7440-02-0	86.34	19	26	17	27	17	23	17	28
	Selenium	7782-49-2	1745.21	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U
	Silver	7440-22-4	1769.70	0.077 J	0.079 J	0.096 J	0.11 J	0.16 J	0.057 U	0.075 J	0.079 J
	Thallium	7440-28-0	3.54	0.086 J	0.15 J	0.082 J	0.16 J	0.097 J	0.15 J	0.1 J	0.19 J
	Vanadium	7440-62-2	465.97	47	66	41	77	46	59	38	72
	Zinc	7440-66-6	106181.82	55	43	57	59	49	51	66	58
Total Petroleum	TPH-Gasoline	8006-61-9	1817.97	0.55 U	0.55 U	0.55 U	0.55 U	0.75 J	0.55 U	1.6	0.55 U
Hydrocarbons (TPHs)	TPH-Diesel	68334-30-5	1083.61	2.3	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	2.5	1.2 U
nyurocarbons (11 ns)	TPH-Motor Oil	8042-47-5	54452.21	7.8 J	5 U	8.4 J	5 U	5 U	5 U	10	5 U
	Aroclor1016	12674-11-2		0.02 U	0.002 U	0.02 U	0.004 U	0.02 U	0.002 U	0.01 U	0.002 U
	Aroclor1221	11104-28-2	-	0.022 U	0.0022 U	0.022 U	0.0044 U	0.022 U	0.0022 U	0.011 U	0.0022 U
Polychlorinated	Aroclor1232	11141-16-5	-	0.022 U	0.0022 U	0.022 U	0.0044 U	0.022 U	0.0022 U	0.011 U	0.0022 U
Biphenyls -	Aroclor1242	53469-21-9		0.022 U	0.0022 U	0.022 U	0.0044 U	0.022 U	0.0022 U	0.011 U	0.0022 U
(PCBs)	Aroclor1248	12672-29-6	-	0.022 U	0.0022 U	0.022 U	0.0044 U	0.022 U	0.0022 U	0.011 U	0.0022 U
(I CDs)	Aroclor1254	11097-69-1		0.022 U	0.0022 U	0.022 U	0.0044 U	0.022 U	0.0022 U	0.011 U	0.0022 U
	Aroclor1260	11096-82-5		0.022 U	0.0022 U	0.022 U	0.0044 U	0.022 U	0.0022 U	0.011 U	0.0022 U
	PCBs, total	1336-36-3	5.49	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
	2,4,5-T (Trichlorophenoxy acetic acid)	93-76-5		0.13 U	0.0026 U	0.13 U	0.0026 U	0.52 U	0.0026 U	0.13 U	0.0026 U
	2,4,5-TP (Silvex)	93-72-1		0.1 U	0.002 U	0.1 U	0.002 U	0.4 U	0.002 U	0.1 U	0.002 U
	2,4-D (Dichlorophenoxyacetic acid)	94-75-7		0.19 U	0.0038 U	0.19 U	0.0038 U	0.76 U	0.0038 U	0.19 U	0.0038 U
	2,4-DB	94-82-6		0.23 U	0.0046 U	0.23 U	0.0046 U	0.92 U	0.0046 U	0.23 U	0.0046 U
	3,5-Dichlorobenzoic Acid	51-36-5		0.17 U	0.0034 U	0.17 U	0.0034 U	0.68 U	0.0034 U	0.17 U	0.0034 U
	4-Nitrophenol_2	100-02-7		0.36 U	0.0073 U	0.36 U	0.0073 U	1.5 U	0.0073 U	0.36 U	0.0073 U
<u>_</u>	Acifluorfen	50594-66-6		0.21 U	0.0042 U	0.21 U	0.0042 U	0.84 U	0.0042 U	0.21 U	0.0042 U
<u>_</u>	Bentazon_2	25057-89-0		0.13 U	0.0026 U	0.13 U	0.0026 U	0.52 U	0.0026 U	0.13 U	0.0026 U
Herbicides	Chloramben	133-90-4		0.26 U	0.0053 U	0.26 U	0.0053 U	1.1 U	0.0053 U	0.26 U	0.0053 U
Her bictues	Dalapon_2	75-99-0		0.32 U	0.0063 U	0.32 U	0.0063 U	1.3 U	0.0063 U		0.0063 U
	DCPA (mono & diacid)	1861-32-1		0.21 U	0.0042 U	0.21 U	0.0042 U	0.84 U	0.0042 U	0.21 U	0.0042 U
	Dicamba_2	1918-00-9		0.12 U	0.0025 U	0.12 U	0.0025 U	0.5 U	0.0025 U	0.12 U	0.0025 U
	Dichloroprop	120-36-5		0.14 U	0.0028 U	0.14 U	0.0028 U	0.56 U	0.0028 U	0.14 U	0.0028 U
	Dinoseb (DNBP)_2	88-85-7		0.13 U	0.0026 U	0.13 U	0.0026 U	0.52 U	0.0026 U	0.13 U	0.0026 U
	MCPA	94-74-6		21 U	0.42 U	21 U	0.42 U	84 U	0.42 U	21 U	0.42 U
	MCPP	7085-19-0		16 U	0.33 U	16 U	0.33 U	66 U	0.33 U	16 U	0.33 U
	Pentachlorophenol (PCP)_2	87-86-5	19.74	0.095 U	0.0019 U	0.095 U	0.0019 U	0.38 U	0.0019 U	0.095 U	0.0019 U
	Picloram_2	1918-02-1		0.18 U	0.0037 U	0.18 U	0.0037 U	0.74 U	0.0037 U	0.18 U	0.0037 U

Table 1
Limited Soil Screening Results, Sampled December 14, 2022 at 2222-2242 Golf Club Road, Pittsburg, California

Analyte Type	Analyte ^[a]	CAS Number	Environmental Screening Level [b]	WSP-PDC-01-0	WSP-PDC-01-5	WSP-PDC-02-0	WSP-PDC-02-5	WSP-PDC-03-0	WSP-PDC-03-5	WSP-PDC-04-0	WSP-PDC-04-5
				0 ft-bgs	5 ft-bgs						
	a-BHC	319-84-6		0.00025 U	0.000025 U	0.00025 U	0.00005 U	0.00025 U	0.000025 U	0.00012 U	0.000025 U
	a-Chlordane	5103-71-9		0.00095 U	0.000095 U	0.00095 U	0.00019 U	0.00095 U	0.000095 U	0.00048 U	0.000095 U
	Aldrin	309-00-2	1.00	0.00036 U	0.000036 U	0.00036 U	0.000072 U	0.00036 U	0.000036 U	0.00018 U	0.000036 U
	b-BHC	319-85-7		0.0025 U	0.00025 U	0.0025 U	0.0005 U	0.0025 U	0.00025 U	0.0012 U	0.00025 U
	Chlordane	12789-03-6	14.05	0.0043 U	0.00043 U	0.0043 U	0.00086 U	0.0043 U	0.00043 U	0.0022 U	0.00043 U
	d-BHC	319-86-8		0.0013 U	0.00013 U	0.0013 U	0.00026 U	0.0013 U	0.00013 U	0.00065 U	0.00013 U
	Dieldrin	60-57-1	1.06	0.00061 U	0.000061 U	0.00061 U	0.00012 U	0.00061 U	0.000061 U	0.0003 U	0.000061 U
	Endosulfan I	959-98-8		0.00048 U	0.000048 U	0.00048 U	0.000096 U	0.00048 U	0.000048 U	0.00024 U	0.000048 U
	Endosulfan II	33213-65-9		0.00076 U	0.000076 U	0.00076 U	0.00015 U	0.00076 U	0.000076 U	0.00038 U	0.000076 U
	Endosulfan sulfate	1031-07-8		0.00078 U	0.000078 U	0.00078 U	0.00016 U	0.00078 U	0.000078 U	0.00039 U	0.000078 U
	Endrin	72-20-8	74.38	0.00035 U	0.000035 U	0.00035 U	0.00007 U	0.00035 U	0.000035 U	0.00018 U	0.000035 U
Pesticides	Endrin aldehyde	7421-93-4	-	0.00067 U	0.000067 U	0.00067 U	0.00013 U	0.00067 U	0.000067 U	0.00034 U	0.000067 U
resticiues	Endrin ketone	53494-70-5		0.00084 U	0.000084 U	0.00084 U	0.00017 U	0.00084 U	0.000084 U	0.00042 U	0.000084 U
	g-BHC	58-89-9	15.61	0.00066 U	0.000066 U	0.00066 U	0.00013 U	0.00066 U	0.000066 U	0.00033 U	0.000066 U
	g-Chlordane	5566-34-7	-	0.00047 U	0.000047 U	0.00047 U	0.000094 U	0.00047 U	0.000047 U	0.00024 U	0.000047 U
	Heptachlor	76-44-8	3.69	0.0004 U	0.00004 U	0.00093 J	0.00008 U	0.0004 U	0.00004 U	0.0002 U	0.00004 U
	Heptachlor epoxide	1024-57-3	1.85	0.00054 U	0.000054 U	0.00054 U	0.00011 U	0.00054 U	0.000054 U	0.00027 U	0.000054 U
	Hexachlorobenzene	118-74-1	7.74	0.0011 U	0.00011 U	0.0011 U	0.00022 U	0.0011 U	0.00011 U	0.00055 U	0.00011 U
	Hexachlorocyclopentadiene	77-47-4	-	0.0034 U	0.00034 U	0.0034 U	0.00068 U	0.0034 U	0.00034 U	0.0017 U	0.00034 U
	Methoxychlor	72-43-5	1239.70	0.0013 U	0.00014 J	0.0013 U	0.00026 U	0.0013 U	0.00019 J	0.00065 U	0.00013 U
	p,p-DDD	72-54-8	81.12	0.00043 U	0.000043 U	0.00043 U	0.000086 U	0.00043 U	0.000043 U	0.00022 U	0.000043 U
	p,p-DDE	72-55-9	56.78	0.00094 U	0.000094 U	0.00094 U	0.00019 U	0.00094 U	0.000094 U	0.00047 U	0.000094 U
	p,p-DDT	50-29-3	57.26	0.00092 U	0.000092 U	0.00092 U	0.00018 U	0.00092 U	0.000092 U	0.00046 U	0.000092 U
	Toxaphene	8001-35-2	14.30	0.034 U	0.0034 U	0.034 U	0.0068 U	0.034 U	0.0034 U	0.017 U	0.0034 U

Notes

ft-bgs feet below ground surface

- U Not detected; laboratory method detection limit shown.
- J Compound detected at an estimated concentration less than the laboratory reporting limit.

bold Detected above laboratory method detection limit (MDL) shown.

grey shaded Sample result exceeds Screening Level.

- [a] All results and environmental screening levels are in miligrams per kilogram (mg/kg).
- [b] San Francisco Bay Region Regional Water Quality Control Board Environmental Screening Levels (ESLs) for Direct Exposure Human Risk (SFB RWQCB, 2019 Rev. 2). The lower ESL of Construction Worker (Any Land Use / Any Depth Soil Exposure) Cancer Risk versus Non-Cancer Hazard (shown italicized) is listed.
- [c] All arsenic detections are below background concentrations established by the SFB RWQCB (11 mg/kg) and the Department of Toxic Substances Control (DTSC, 12 mg/kg).

APPENDIX

A KEY DEFINITIONS FROM ASTM E1527-21

KEY DEFINITIONS FROM ASTM E 1527-21, STANDARD PRACTICE FOR ENVIRONMENTAL SITE ASSESSMENTS: PHASE I ENVIRONMENTAL SITE ASSESSMENT PROCESS. SECTION 3.2

Recognized Environmental Condition (REC) - (1) the presence of hazardous substances or petroleum products in, on, or at the subject property due to a release to the environment; (2) the likely presence of hazardous substances or petroleum products in, on, or at the subject property due to a release or likely release to the environment; or (3) the presence of hazardous substances or petroleum products in, on, or at the subject property under conditions that pose a material threat of a future release to the environment.

Controlled Recognized Environmental Condition (CREC) - a REC affecting the subject property that has been addressed to the satisfaction of the applicable regulatory authority or authorities with hazardous substances or petroleum products allowed to remain in place subject to implementation of required controls (for example, activity and use limitations or other property use limitations). The identification of a CREC does not imply that WSP has evaluated or confirmed the adequacy, implementation, or continued effectiveness of the required control(s).

<u>Historical Recognized Environmental Condition (HREC)</u> - a previous release of hazardous substances or petroleum products affecting the subject property that has been addressed to the satisfaction of the applicable regulatory authority or authorities and meeting unrestricted use criteria established by the applicable regulatory authority or authorities without subjecting the subject property to any controls (for example, activity and use limitations or other property use limitations). An HREC is not a REC. WSP's rationale for identifying a condition as an HREC is based solely on the information stated herein.

<u>De minimis condition</u> - a condition related to a release that generally does not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. A condition determined to be a de minimis condition is not a REC or a CREC.

<u>Data Gap</u> – a lack or inability to obtain information required by this practice despite good faith efforts by the environmental professional to gather such information. Data gaps may result from incompleteness in any of the activities required by this practice, including, but not limited to, site reconnaissance (for example, an inability to conduct the site visit), and interviews (for example, an inability to interview the key site manager, regulatory officials, etc.).

Significant Data Gap – a data gap that affects the ability of the environmental professional to identify a REC.

APPENDIX

B SUBJECT PROPERTY INFORMATION

Delta View Golf Course 2232 Golf Club Rd PITTSBURG, CA 94565

Inquiry Number: 7217262.5 January 09, 2023

The EDR-City Directory Image Report



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City Directory Images

Thank you for your business.

Please contact EDR at 1-800-352-0050 with any questions or comments.

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DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Report includes a search of available city directory data at 5 year intervals.

RECORD SOURCES

EDR's Digital Archive combines historical directory listings from sources such as Cole Information and Dun & Brad street. These standard sources of property information complement and enhance each other to provide a more comprehensive report.

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RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

<u>Year</u>	Target Street	Cross Street	<u>Source</u>
2017	$\overline{\checkmark}$		EDR Digital Archive
2014	$\overline{\checkmark}$		EDR Digital Archive
2010	$\overline{\checkmark}$		EDR Digital Archive
2005	$\overline{\checkmark}$		EDR Digital Archive
2000	$\overline{\checkmark}$		EDR Digital Archive
1995	$\overline{\checkmark}$		EDR Digital Archive
1992			EDR Digital Archive
1990			Haines Criss-Cross Directory
1985			Haines Criss-Cross Directory
1980			Haines Criss-Cross Directory
1975			Haines Criss-Cross Directory

FINDINGS

TARGET PROPERTY STREET

2232 Golf Club Rd PITTSBURG, CA 94565

<u>Year</u>	<u>CD Image</u>	<u>Source</u>	
GOLF CLU	JB RD		
2017	pg A1	EDR Digital Archive	
2014	pg A2	EDR Digital Archive	
2010	pg A3	EDR Digital Archive	
2005	pg A4	EDR Digital Archive	
2000	pg A5	EDR Digital Archive	
1995	pg A6	EDR Digital Archive	
1992	-	EDR Digital Archive	Target and Adjoining not listed in Source
1990	-	Haines Criss-Cross Directory	Street not listed in Source
1985	-	Haines Criss-Cross Directory	Street not listed in Source
1980	-	Haines Criss-Cross Directory	Street not listed in Source
1975	-	Haines Criss-Cross Directory	Street not listed in Source

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FINDINGS

CROSS STREETS

No Cross Streets Identified

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2201	THE CHURCH OF JESUS CHRIST OF LATTER
2202	ISMEN, FRANKO M
2204	FRANK, DON H
2206	DIMERCURIO, TOM J
2208	GAVINO, JOANNE
2210	RATTU, RAMESH
2212	IGANO, FREDDIE A
2214	FELIPE, BELLA
2216	TUCKER, RICHARD D
2218	KOEPSELL, DONNA A
2220	WALKER, JAMES K
2222	DELTA VIEW WEDDINGS & BANQUETS
	DELTAVIEW GOLF FOOD & BEVERAGE INC
	WEDGEWOOD WEDDING & BANQUET CENTER
2232	CITY OF PITTSBURG
	DELTA VIEW GOLF COURSE
2242	DELTA VIEW GOLF COURSE

	GOLF CLUB RD	2010
2202 2204	ISMEN, FRANKO M FRANK, JUDITH M	
2208	GAVINO, JOSEPHINE J	
2212	IGANO, FREDDIE A	
2214 2216	CANTOT, GINO C TUCKER, RICHARD D	
2218	KOEPSELL, DONNA A	
2220	WALKER, JAMES K	
2222	WEDGEWOOD WEDDING & BANQUET	
2242	DELTA VIEW GOLF COURSE	

	GOLF CLUB RD	2005
2201	CHURCH OF L D S	
2202	GAILANI, PAULA	
2204	HUGO, C	
2206	DIMERCURIO, THOMAS J	
2208	GAVINO, JOSEPHINE J	
2210	SAW, SENG S	
2212	IGANO, FREDDIE A	
2214	CANTOT, GINO C	
2216	RT INTEGRATION	
224.0	TUCKER, RICHARD D	
2218 2220	KOEPSELL, DONNA A OCCUPANT UNKNOWN,	
2222	ZANDONELLAS INC	
2232	SALVADOR, JACQUELINE F	
2242	DELTA VIEW GOLF COURSE	

	GOLF CLUB RD 2000
2: 2: 2: 2: 2: 2: 2: 2: 2: 2:	BROOKS, ANDREA L LEWIS, ANDREA G GRISLER, JOANNE GRISLER, JOANNE OCCUPANT UNKNOWN, IGANO, FRED A CUPANT UNKNOWN, TUCKER, RICHARD D KOEPSELL, DONNA A WALKER, JAMES K ZANDONELLAS ITALIAN RESTAURANT DELTA VIEW GOLF COURSE PITTSBURG CITY OF PUBLIC SERVICES ADMINISTRATION

GOLF CLUB RD	1995
OCCUPANT UNKNOWNN DIMERCURIO, TOM GAVINO, J IGANO, FRED A NEUMANN, STACY OCCUPANT UNKNOWNN KOEPSELL, DONNA A WALKER, JAMES K	
	WILSON, LEON CCUPANT UNKNOWNN DIMERCURIO, TOM GAVINO, J IGANO, FRED A NEUMANN, STACY CCUPANT UNKNOWNN KOEPSELL, DONNA A WALKER, JAMES K DELTA VIEW GOLF COURSE

APPENDIX

C ENVIRONMENTAL DATABASE REPORT

Delta View Golf Course 2222-2242 Golf Club Rd Pittsburg, CA 94565

Inquiry Number: 7223276.1s

January 12, 2023

The EDR Radius Map™ Report with GeoCheck®



6 Armstrong Road, 4th floor Shelton, CT 06484 Toll Free: 800.352.0050 www.edrnet.com

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Thank you for your business. Please contact EDR at 1-800-352-0050 with any questions or comments.

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A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E1527-21), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

2222-2242 GOLF CLUB RD PITTSBURG, CA 94565

COORDINATES

Latitude (North): 38.0131590 - 38^ 0' 47.37" Longitude (West): 121.9098860 - 121^ 54' 35.58"

Universal Tranverse Mercator: Zone 10 UTM X (Meters): 595695.8 UTM Y (Meters): 4207630.0

Elevation: 85 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 12021611 HONKER BAY, CA

Version Date: 2018

South Map: 12008696 CLAYTON, CA

Version Date: 2018

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 20140606 Source: USDA

MAPPED SITES SUMMARY

Target Property Address: 2222-2242 GOLF CLUB RD PITTSBURG, CA 94565

Click on Map ID to see full detail.

MAP	CITE NAME	ADDDECC	DATABASE ACDONIVAG	RELATIVE	DIST (ft. & mi.)
ID A1	SITE NAME AT&T MOBILITY - USID	ADDRESS 2222 GOLF CLUB RD	DATABASE ACRONYMS SWEEPS UST, CERS	ELEVATION Higher	DIRECTION 1 ft.
B2	DELTA VIEW GOLF COUR	2242 GOLF CLUB RD	CHMIRS, CONTRA COSTA CO. SITE LIST	Higher	1 ft.
A3	PITTSBURG GOLF COURS	2222 GOLF CLUB DR	LUST, Cortese, HIST CORTESE, CONTRA COSTA CO. S	ITE Higher	1 ft.
A4	T-MOBILE WEST, LLC B	2222 GOLF CLUB RD	CONTRA COSTA CO. SITE LIST	Higher	1 ft.
B5	AMERICAN CIVIL CONST	2220 GOLF CLUB RD	RCRA NonGen / NLR	Higher	37, 0.007, SW
C6	GENERON IGS	992 ARCY LN	CONTRA COSTA CO. SITE LIST, CERS	Lower	498, 0.094, NNE
C7	VERIZON WIRELESS WIL	101 AVILA RD	CONTRA COSTA CO. SITE LIST, CERS	Lower	538, 0.102, NNE
D8	RANCHO MEDANOS JUNIO	2301 RANGE ROAD	RCRA NonGen / NLR	Higher	770, 0.146, NW
D9	RANCHO MEDANOS MIDDL	2301 RANGE ROAD	RCRA NonGen / NLR	Higher	770, 0.146, NW
10	RANGE ROAD MIDDLE SC	RANGE ROAD/LELAND RO	ENVIROSTOR, SCH	Lower	947, 0.179, NNW
11	VERONICA ALSTON	37 ORINDA CIRCLE	RCRA NonGen / NLR	Higher	1017, 0.193, SE
12	KEVIN ALBERTSEN	2181 DOVER WAY	RCRA NonGen / NLR	Lower	1268, 0.240, NE
E13	CITY OF PITTSBURG/PU	300 OLYMPIA DR	RCRA NonGen / NLR	Higher	1271, 0.241, SSE
E14	PITTSBURG WATER TREA	300 OLYMPIA DR	CERS HAZ WASTE, SWEEPS UST, ENF, CONTRA COST	ΓA COHigher	1271, 0.241, SSE
E15	CITY OF PITTSBURG WA	300 OLYMPIA DR	UST	Higher	1271, 0.241, SSE
E16	PITTSBURG WATER FILT	300 OLYMPIA DR	UST	Higher	1271, 0.241, SSE
17	CAMP STONEMAN IR-MMR	RAILROAD AVENUE	RESPONSE, ENVIROSTOR	Higher	2490, 0.472, ESE
18	SERVICE STATION - SA	3737 RAILROAD	RCRA-LQG, LUST, CERS HAZ WASTE, HIST UST, CERS	S Higher	4652, 0.881, ESE
F19	STANLEY WORKS THE	855 V PARKSIDE DR	RCRA-SQG, ENVIROSTOR, CERS HAZ WASTE, SWEEF	S US T , awer	4749, 0.899, NNE
F20	ACME STEEL/COLD META	855 NORTH PARKSIDE D	Notify 65	Lower	4749, 0.899, NNE

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites					
NPL Proposed NPL	National Priority List Proposed National Priority List Sites				
NPL LIENS	Federal Superfund Liens				
Lists of Federal Delisted NP	PL sites				
Delisted NPL	National Priority List Deletions				
Lists of Federal sites subject	ct to CERCLA removals and CERCLA orders				
	Federal Facility Site Information listing Superfund Enterprise Management System				
Lists of Federal CERCLA sit	tes with NFRAP				
SEMS-ARCHIVE	Superfund Enterprise Management System Archive				
Lists of Federal RCRA facili	ities undergoing Corrective Action				
CORRACTS	Corrective Action Report				
Lists of Federal RCRA TSD	facilities				
RCRA-TSDF	RCRA - Treatment, Storage and Disposal				
Lists of Federal RCRA gene	erators				
	RCRA - Large Quantity Generators RCRA - Small Quantity Generators				
	RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)				
Federal institutional control	ls / engineering controls registries				
LUCIS	Land Use Control Information System				

US ENG CONTROLS..... Engineering Controls Sites List US INST CONTROLS..... Institutional Controls Sites List

Federal ERNS list

ERNS..... Emergency Response Notification System

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF..... Solid Waste Information System

Lists of state and tribal leaking storage tanks

INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

CPS-SLIC Statewide SLIC Cases

Lists of state and tribal registered storage tanks

FEMA UST..... Underground Storage Tank Listing

AST..... Aboveground Petroleum Storage Tank Facilities

INDIAN UST...... Underground Storage Tanks on Indian Land

Lists of state and tribal voluntary cleanup sites

..... Voluntary Cleanup Program Properties

INDIAN VCP..... Voluntary Cleanup Priority Listing

Lists of state and tribal brownfield sites

BROWNFIELDS..... Considered Brownfieds Sites Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS..... A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT..... Waste Management Unit Database

SWRCY...... Recycler Database

HAULERS...... Registered Waste Tire Haulers Listing

INDIAN ODI...... Report on the Status of Open Dumps on Indian Lands

ODI Open Dump Inventory
DEBRIS REGION 9. Torres Martinez Reservation Illegal Dump Site Locations

IHS OPEN DUMPS..... Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL..... Delisted National Clandestine Laboratory Register

HIST Cal-Sites Database CDL...... Clandestine Drug Labs Toxic Pits...... Toxic Pits Cleanup Act Sites

US CDL...... National Clandestine Laboratory Register

Local Lists of Registered Storage Tanks

HIST UST...... Hazardous Substance Storage Container Database
CERS TANKS...... California Environmental Reporting System (CERS) Tanks

CA FID UST..... Facility Inventory Database

Local Land Records

LIENS...... Environmental Liens Listing
LIENS 2...... CERCLA Lien Information
DEED...... Deed Restriction Listing

Records of Emergency Release Reports

HMIRS...... Hazardous Materials Information Reporting System CHMIRS..... California Hazardous Material Incident Report System

LDS....... Land Disposal Sites Listing
MCS...... Military Cleanup Sites Listing
SPILLS 90...... SPILLS 90 data from FirstSearch

Other Ascertainable Records

FUDS....... Formerly Used Defense Sites DOD...... Department of Defense Sites

SCRD DRYCLEANERS...... State Coalition for Remediation of Drycleaners Listing

US FIN ASSUR_____ Financial Assurance Information

EPA WATCH LIST..... EPA WATCH LIST

TSCA...... Toxic Substances Control Act

TRIS...... Toxic Chemical Release Inventory System

RAATS......RCRA Administrative Action Tracking System

PRP....... Potentially Responsible Parties
PADS....... PCB Activity Database System

ICIS...... Integrated Compliance Information System

FTTS......FIFŘA/ TSCA Tracking System - FIFŘA (Federal Insecticide, Fungicide, & Rodenticide

Act)/TSCA (Toxic Substances Control Act)

COAL ASH EPA..... Coal Combustion Residues Surface Impoundments List

PCB TRANSFORMER...... PCB Transformer Registration Database

RADINFO...... Radiation Information Database

HIST FTTS..... FIFRA/TSCA Tracking System Administrative Case Listing

DOT OPS..... Incident and Accident Data

CONSENT...... Superfund (CERCLA) Consent Decrees

INDIAN RESERV.....Indian Reservations

FUSRAP..... Formerly Utilized Sites Remedial Action Program

UMTRA..... Uranium Mill Tailings Sites

LEAD SMELTERS..... Lead Smelter Sites

US AIRS...... Aerometric Information Retrieval System Facility Subsystem

US MINES Mines Master Index File

ABANDONED MINES..... Abandoned Mines

FINDS..... Facility Index System/Facility Registry System DOCKET HWC..... Hazardous Waste Compliance Docket Listing ECHO..... Enforcement & Compliance History Information UXO...... Unexploded Ordnance Sites FUELS PROGRAM..... EPA Fuels Program Registered Listing PFAS NPL.....Superfund Sites with PFAS Detections Information PFAS FEDERAL SITES..... Federal Sites PFAS Information PFAS TSCA...... PFAS Manufacture and Imports Information PFAS RCRA MANIFEST..... PFAS Transfers Identified In the RCRA Database Listing PFAS ATSDR..... PFAS Contamination Site Location Listing PFAS WQP..... Ambient Environmental Sampling for PFAS PFAS NPDES..... Clean Water Act Discharge Monitoring Information PFAS ECHO...... Facilities in Industries that May Be Handling PFAS Listing PFAS ECHO FIRE TRAINING Facilities in Industries that May Be Handling PFAS Listing PFAS PART 139 AIRPORT All Certified Part 139 Airports PFAS Information Listing AQUEOUS FOAM NRC..... Aqueous Foam Related Incidents Listing PFAS Contamination Site Location Listing AQUEOUS FOAM........ Former Fire Training Facility Assessments Listing CA BOND EXP. PLAN....... Bond Expenditure Plan CUPA Listings..... CUPA Resources List DRYCLEANERS...... Cleaner Facilities EMI_____ Emissions Inventory Data ENF..... Enforcement Action Listing Financial Assurance Information Listing ICE.....ICE HWP..... EnviroStor Permitted Facilities Listing HWT...... Registered Hazardous Waste Transporter Database HAZNET..... Facility and Manifest Data MINES..... Mines Site Location Listing MWMP..... Medical Waste Management Program Listing NPDES Permits Listing PEST LIC..... Pesticide Regulation Licenses Listing PROC..... Certified Processors Database UIC Listing WDS...... Waste Discharge System WIP..... Well Investigation Program Case List MILITARY PRIV SITES...... MILITARY PRIV SITES (GEOTRACKER) PROJECT.....PROJECT (GEOTRACKER) WDR...... Waste Discharge Requirements Listing CIWQS California Integrated Water Quality System CERS..... CERS NON-CASE INFO...... NON-CASE INFO (GEOTRACKER) OTHER OIL GAS..... OTHER OIL & GAS (GEOTRACKER) PROD WATER PONDS...... PROD WATER PONDS (GEOTRACKER) SAMPLING POINT..... SAMPLING POINT (GEOTRACKER) WELL STIM PROJ...... Well Stimulation Project (GEOTRACKER) MINES MRDS..... Mineral Resources Data System HWTS..... Hazardous Waste Tracking System

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP..... EDR Proprietary Manufactured Gas Plants

EDR Hist Auto______ EDR Exclusive Historical Auto Stations EDR Hist Cleaner.____ EDR Exclusive Historical Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF	Recovered Government Archive Solid Waste Facilities List
RGA LUST	Recovered Government Archive Leaking Underground Storage Tank

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in **bold italics** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Lists of state- and tribal (Superfund) equivalent sites

RESPONSE: Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

A review of the RESPONSE list, as provided by EDR, has revealed that there is 1 RESPONSE site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CAMP STONEMAN IR-MMR	RAILROAD AVENUE	ESE 1/4 - 1/2 (0.472 mi.)	17	70
Databasa: DECDONCE Data of Covernm	ont \/orgion, 07/05/0000			

Database: RESPONSE, Date of Government Version: 07/25/2022

Status: No Further Action Facility Id: 71000026

Lists of state- and tribal hazardous waste facilities

ENVIROSTOR: The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifies sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where

environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

A review of the ENVIROSTOR list, as provided by EDR, and dated 07/25/2022 has revealed that there are 3 ENVIROSTOR sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CAMP STONEMAN IR-MMR Facility Id: 71000026 Status: No Further Action	RAILROAD AVENUE	ESE 1/4 - 1/2 (0.472 mi.)	17	70
Lower Elevation	Address	Direction / Distance	Map ID	Page
RANGE ROAD MIDDLE SC Facility Id: 07650003 Status: No Further Action	RANGE ROAD/LELAND RO	NNW 1/8 - 1/4 (0.179 mi.)	10	37
STANLEY WORKS THE Facility Id: 71002838 Status: Refer: Other Agency	855 V PARKSIDE DR	NNE 1/2 - 1 (0.899 mi.)	F19	99

Lists of state and tribal leaking storage tanks

LUST: Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the LUST list, as provided by EDR, has revealed that there is 1 LUST site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
PITTSBURG GOLF COURS	2222 GOLF CLUB DR	0 - 1/8 (0.000 mi.)	A3	13
Database: LUST REG 2, Date of Go	vernment Version: 09/30/2004			
Database: LUST, Date of Governme	ent Version: 08/31/2022			

Status: Completed - Case Closed

Facility Id: 07-0658

Facility Status: Case Closed Global Id: T0601300607 date9: 10/1/1997

Lists of state and tribal registered storage tanks

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the UST list, as provided by EDR, has revealed that there are 2 UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CITY OF PITTSBURG WA Database: UST, Date of Governmen Facility Id: 07-000-770113	300 OLYMPIA DR at Version: 08/31/2022	SSE 1/8 - 1/4 (0.241 mi.)	E15	68
PITTSBURG WATER FILT Database: UST, Date of Governmen Facility Id: 770113	300 OLYMPIA DR at Version: 08/31/2022	SSE 1/8 - 1/4 (0.241 mi.)	E16	69

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Hazardous waste / Contaminated Sites

SCH: This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category. depending on the level of threat to public health and safety or the. environment they pose.

A review of the SCH list, as provided by EDR, and dated 07/25/2022 has revealed that there is 1 SCH site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
RANGE ROAD MIDDLE SC Facility Id: 07650003	RANGE ROAD/LELAND RO	NNW 1/8 - 1/4 (0.179 mi.)	10	37
Status: No Further Action				

CERS HAZ WASTE: List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

A review of the CERS HAZ WASTE list, as provided by EDR, and dated 01/05/2023 has revealed that there is 1 CERS HAZ WASTE site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
PITTSBURG WATER TREA	300 OLYMPIA DR	SSE 1/8 - 1/4 (0.241 mi.)	E14	50

Local Lists of Registered Storage Tanks

SWEEPS UST: Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

A review of the SWEEPS UST list, as provided by EDR, and dated 06/01/1994 has revealed that there are 2 SWEEPS UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
AT&T MOBILITY - USID	2222 GOLF CLUB RD	0 - 1/8 (0.000 mi.)	A1	9

Status: A Tank Status: A Comp Number: 70038

PITTSBURG WATER TREA 300 OL YMPIA DR SSE 1/8 - 1/4 (0.241 mi.) E14 50

Comp Number: 70113

Other Ascertainable Records

RCRA NonGen / NLR: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 11/21/2022 has revealed that there are 6 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
AMERICAN CIVIL CONST EPA ID:: CAC003115114	2220 GOLF CLUB RD	SW 0 - 1/8 (0.007 mi.)	B5	16
RANCHO MEDANOS JUNIO EPA ID:: CAC003022827	2301 RANGE ROAD	NW 1/8 - 1/4 (0.146 mi.)	D8	32
RANCHO MEDANOS MIDDL EPA ID:: CAC003077108	2301 RANGE ROAD	NW 1/8 - 1/4 (0.146 mi.)	D9	35
VERONICA ALSTON EPA ID:: CAC003106577	37 ORINDA CIRCLE	SE 1/8 - 1/4 (0.193 mi.)	11	42
CITY OF PITTSBURG/PU EPA ID:: CAL000191615	300 OLYMPIA DR	SSE 1/8 - 1/4 (0.241 mi.)	E13	47
Lower Elevation	Address	Direction / Distance	Map ID	Page
KEVIN ALBERTSEN EPA ID:: CAC003141733	2181 DOVER WAY	NE 1/8 - 1/4 (0.240 mi.)	12	45

Cortese: The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

A review of the Cortese list, as provided by EDR, and dated 09/19/2022 has revealed that there is 1 Cortese site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
PITTSBURG GOLF COURS	2222 GOLF CLUB DR	0 - 1/8 (0.000 mi.)	A3	13
Cleanup Status: COMPLETED - CASE CLOSED				

HIST CORTESE: The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

A review of the HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there is 1 HIST CORTESE site within approximately 0.5 miles of the target property.

	Page
PITTSBURG GOLF COURS 2222 GOLF CLUB DR 0 - 1/8 (0.000 mi.) A3 Rea Id: 07-0658	13

Notify 65: Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

A review of the Notify 65 list, as provided by EDR, and dated 09/07/2022 has revealed that there are 2 Notify 65 sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SERVICE STATION - SA	3737 RAILROAD	ESE 1/2 - 1 (0.881 mi.)	18	74
Lower Elevation	Address	Direction / Distance	Map ID	Page

CONTRA COSTA CO. SITE LIST: Lists includes sites from the Underground Tank Program, Hazardous Waste Generator Program & Business Plan 12185 Program

A review of the CONTRA COSTA CO. SITE LIST list, as provided by EDR, and dated 10/20/2022 has revealed that there are 6 CONTRA COSTA CO. SITE LIST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
DELTA VIEW GOLF COUR Facility Id: FA0028546	2242 GOLF CLUB RD	0 - 1/8 (0.000 mi.)	B2	11
PITTSBURG GOLF COURS Facility Id: FA0030573 Facility Id: FA0030672	2222 GOLF CLUB DR	0 - 1/8 (0.000 mi.)	A3	13
T-MOBILE WEST, LLC B Facility Id: FA0038738	2222 GOLF CLUB RD	0 - 1/8 (0.000 mi.)	A4	16
PITTSBURG WATER TREA Facility Id: FA0032667	300 OLYMPIA DR	SSE 1/8 - 1/4 (0.241 mi.)	E14	50
Lower Elevation	Address	Direction / Distance	Map ID	Page
GENERON IGS Facility Id: FA0028972	992 ARCY LN	NNE 0 - 1/8 (0.094 mi.)	C6	18
VERIZON WIRELESS WIL Facility Id: FA0030505 Facility Id: FA0030372	101 AVILA RD	NNE 0 - 1/8 (0.102 mi.)	C7	27

EXECUTIVE SUMMARY

Facility Id: FA0028907

EXECUTIVE SUMMARY

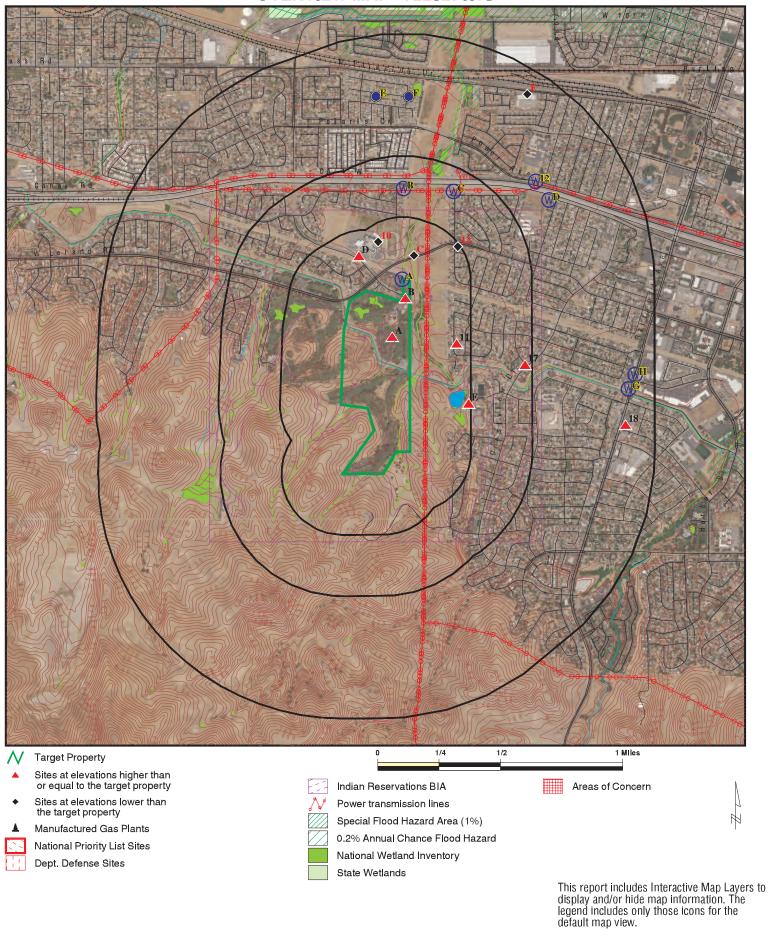
Due to poor or inadequate address information, the following sites were not mapped. Count: 1 records.

Site Name Database(s)

PACIFIC GAS AND ELECTRIC/SHELL - W

CA BOND EXP. PLAN

OVERVIEW MAP - 7223276.1S



SITE NAME: Delta View Golf Course ADDRESS: 2222-2242 Golf Club Rd Pittsburg CA 94565 LAT/LONG: 38.013159 / 121.909886

January 12, 2023 10:49 am Copyright © 2023 EDR, Inc. © 2015 TomTom Rel. 2015.

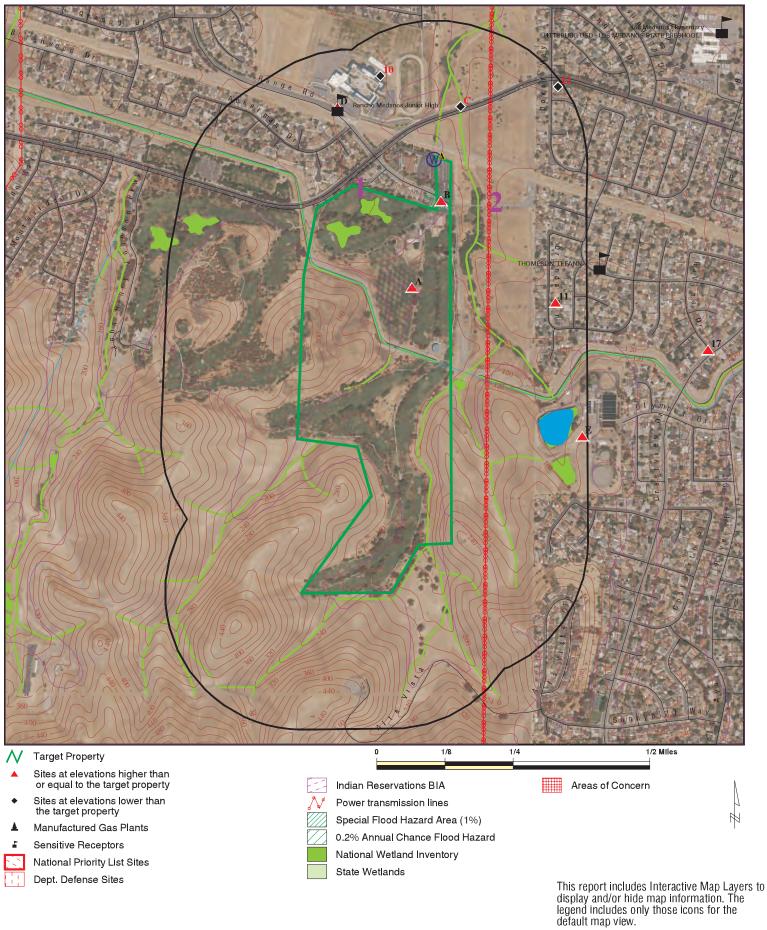
WSP USA Inc.

CLIENT: WSP USA CONTACT: Xin Jiang

DATE:

INQUIRY #: 7223276.1s

DETAIL MAP - 7223276.1S



SITE NAME: Delta View Golf Course ADDRESS: 2222-2242 Golf Club Rd Pittsburg CA 94565 LAT/LONG: 38.013159 / 121.909886 CLIENT: WSP USA CONTACT: Xin Jiang WSP USA Inc. INQUIRY #: 7223276.1s

January 12, 2023 10:55 am DATE:

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENT	TAL RECORDS							
Lists of Federal NPL (Su	perfund) sites	5						
NPL Proposed NPL NPL LIENS	1.000 1.000 1.000		0 0 0	0 0 0	0 0 0	0 0 0	NR NR NR	0 0 0
Lists of Federal Delisted	I NPL sites							
Delisted NPL	1.000		0	0	0	0	NR	0
Lists of Federal sites su CERCLA removals and (rs						
FEDERAL FACILITY SEMS	0.500 0.500		0 0	0 0	0 0	NR NR	NR NR	0 0
Lists of Federal CERCLA	A sites with NI	FRAP						
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA fa undergoing Corrective A								
CORRACTS	1.000		0	0	0	0	NR	0
Lists of Federal RCRA T	SD facilities							
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA g	enerators							
RCRA-LQG RCRA-SQG RCRA-VSQG	0.250 0.250 0.250		0 0 0	0 0 0	NR NR NR	NR NR NR	NR NR NR	0 0 0
Federal institutional con engineering controls reg								
LUCIS US ENG CONTROLS US INST CONTROLS	0.500 0.500 0.500		0 0 0	0 0 0	0 0 0	NR NR NR	NR NR NR	0 0 0
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
Lists of state- and tribal (Superfund) equivalent s								
RESPONSE	1.000		0	0	1	0	NR	1
Lists of state- and tribal hazardous waste facilitie	es							
ENVIROSTOR	1.000		0	1	1	1	NR	3
Lists of state and tribal l and solid waste disposa								
SWF/LF	0.500		0	0	0	NR	NR	0

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
Lists of state and tribal le	eaking storag	je tanks						
LUST INDIAN LUST CPS-SLIC	0.500 0.500 0.500		1 0 0	0 0 0	0 0 0	NR NR NR	NR NR NR	1 0 0
Lists of state and tribal re	egistered sto	rage tanks						
FEMA UST UST AST INDIAN UST	0.250 0.250 0.250 0.250		0 0 0	0 2 0 0	NR NR NR NR	NR NR NR NR	NR NR NR NR	0 2 0 0
Lists of state and tribal v	oluntary clea	nup sites						
VCP INDIAN VCP	0.500 0.500		0 0	0 0	0 0	NR NR	NR NR	0 0
Lists of state and tribal b	rownfield site	es						
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMEN	TAL RECORDS	<u> </u>						
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / S Waste Disposal Sites			Ü	Ü	Ü	NIX	MX	Ü
WMUDS/SWAT SWRCY HAULERS INDIAN ODI ODI DEBRIS REGION 9 IHS OPEN DUMPS	0.500 0.500 TP 0.500 0.500 0.500		0 0 NR 0 0	0 0 NR 0 0 0	0 0 NR 0 0 0	NR NR NR NR NR NR	NR NR NR NR NR NR	0 0 0 0 0
Local Lists of Hazardous Contaminated Sites	waste /							
US HIST CDL HIST Cal-Sites SCH CDL Toxic Pits CERS HAZ WASTE US CDL	TP 1.000 0.250 TP 1.000 0.250 TP		NR 0 0 NR 0 0 NR	NR 0 1 NR 0 1	NR 0 NR NR 0 NR NR	NR 0 NR NR 0 NR NR	NR NR NR NR NR NR	0 0 1 0 0 1
Local Lists of Registered	l Storage Tan	ks						
SWEEPS UST HIST UST CERS TANKS CA FID UST	0.250 0.250 0.250 0.250		1 0 0 0	1 0 0 0	NR NR NR NR	NR NR NR NR	NR NR NR NR	2 0 0 0
Local Land Records								
LIENS	TP		NR	NR	NR	NR	NR	0

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
LIENS 2 DEED	TP 0.500		NR 0	NR 0	NR 0	NR NR	NR NR	0 0
Records of Emergency F	Release Repo	rts						
HMIRS CHMIRS LDS MCS SPILLS 90	TP TP TP TP TP		NR NR NR NR NR	NR NR NR NR NR	NR NR NR NR NR	NR NR NR NR NR	NR NR NR NR NR	0 0 0 0
Other Ascertainable Rec	ords							
RCRA NonGen / NLR FUDS DOD SCRD DRYCLEANERS US FIN ASSUR EPA WATCH LIST 2020 COR ACTION TSCA TRIS SSTS ROD RMP RAATS PRP PADS ICIS FTTS MLTS COAL ASH DOE COAL ASH EPA PCB TRANSFORMER RADINFO HIST FTTS DOT OPS CONSENT INDIAN RESERV FUSRAP UMTRA LEAD SMELTERS US MINES ABANDONED MINES FINDS DOCKET HWC ECHO	0.250 1.000 1.000 0.500 TP TP TP 0.250 TP TP TP 1.000 TP TP TP TP TP TP TP TP TP TP TP TP TP		1 0 0 0 RR 0 RR R O R R R R R R R R R R R	5 0 0 0 RR 0 RR 0 R R R R R R R R R R O O O O	N O O O R R R R R O R R R R R R R R R R	N O O N N N N N N N O O N N N N N N N N	N	
UXO FUELS PROGRAM PFAS NPL PFAS FEDERAL SITES PFAS TSCA	1.000 0.250 0.250 0.250 0.250		0 0 0 0	0 0 0 0	0 NR NR NR NR	0 NR NR NR NR	NR NR NR NR NR	0 0 0 0

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
PFAS RCRA MANIFEST	0.250		0	0	NR	NR	NR	0
PFAS ATSDR	0.250		0	0	NR	NR	NR	0
PFAS WQP	0.250		0	0	NR	NR	NR	0
PFAS NPDES	0.250		0	0	NR	NR	NR	0
PFAS ECHO	0.250		0	0	NR	NR	NR	0
PFAS ECHO FIRE TRAINII			0	0	NR	NR	NR	0
PFAS PART 139 AIRPORT			0	0	NR	NR	NR	0
AQUEOUS FOAM NRC	0.250		0	0	NR	NR	NR	0
PFAS	0.250		0	0	NR	NR	NR	0
AQUEOUS FOAM	0.250		0	0	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
Cortese	0.500		1	0	0	NR	NR	1
CUPA Listings	0.250		0	0	NR	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
EMI	TP		NR	NR	NR	NR	NR	0
ENF	TP TP		NR	NR NR	NR NR	NR NR	NR	0
Financial Assurance ICE	TP		NR				NR	0
HIST CORTESE	0.500		NR 1	NR	NR 0	NR NR	NR NR	0 1
HWP	1.000		0	0 0	0	0	NR	0
HWT	0.250		0	0	NR	NR	NR	0
HAZNET	0.230 TP		NR	NR	NR	NR	NR	0
MINES	0.250		0	0	NR	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
NPDES	TP		NR	NR	NR	NR	NR	0
PEST LIC	TP		NR	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
Notify 65	1.000		Ö	Ö	Ö	2	NR	2
CONTRA COSTA CO. SITI			5	1	NR	NR	NR	6
UIC	TP		NR	NR	NR	NR	NR	Ō
UIC GEO	TP		NR	NR	NR	NR	NR	0
WASTEWATER PITS	0.500		0	0	0	NR	NR	0
WDS	TP		NR	NR	NR	NR	NR	0
WIP	0.250		0	0	NR	NR	NR	0
MILITARY PRIV SITES	TP		NR	NR	NR	NR	NR	0
PROJECT	TP		NR	NR	NR	NR	NR	0
WDR	TP		NR	NR	NR	NR	NR	0
CIWQS	TP		NR	NR	NR	NR	NR	0
CERS	TP		NR	NR	NR	NR	NR	0
NON-CASE INFO	TP		NR	NR	NR	NR	NR	0
OTHER OIL GAS	TP		NR	NR	NR	NR	NR	0
PROD WATER PONDS	TP		NR	NR	NR	NR	NR	0
SAMPLING POINT	TP		NR	NR	NR	NR	NR	0
WELL STIM PROJ	TP		NR	NR	NR	NR	NR	0
MINES MRDS	TP		NR	NR	NR	NR	NR	0
HWTS	TP		NR	NR	NR	NR	NR	0
EDR HIGH RISK HISTORICAL	L RECORDS							
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
EDR Hist Auto EDR Hist Cleaner	0.125 0.125		0 0	NR NR	NR NR	NR NR	NR NR	0 0
EDR RECOVERED GOVE	RNMENT ARCHIV	/ES						
Exclusive Recovered (Govt. Archives							
RGA LF RGA LUST	TP TP		NR NR	NR NR	NR NR	NR NR	NR NR	0 0
- Totals		0	10	12	2	3	0	27

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Direction Distance

Distance Elevation Site EDR ID Number

EDR ID Number

EPA ID Number

A1 AT&T MOBILITY - USID50647 SWEEPS UST S106930742
2222 GOLF CLUB RD CERS N/A

< 1/8 PITTSBURG, CA 94565 1 ft.

Site 1 of 3 in cluster A

Relative: SWEEPS UST:

 Higher
 Name:
 PITTSBURG COUNTRY CLUB

 Actual:
 Address:
 2222 GOLF CLUB RD

Actual: Address: 2222 GOLF C 88 ft. City: PITTSBURG

Status: Active
Comp Number: 70038
Number: 9
Roard Of Equalization: 44-00258

Board Of Equalization: 44-002582
Referral Date: 06-20-88
Action Date: Not reported
Created Date: 07-22-88
Owner Tank Id: Not reported

SWRCB Tank Id: 07-000-070038-000001

Tank Status: A
Capacity: 1000
Active Date: 06-20-88
Tank Use: M.V. FUEL

STG:

Content: REG UNLEADED

Number Of Tanks: 1

CERS:

Name: AT&T MOBILITY - USID50647
Address: 2222 GOLF CLUB RD
City,State,Zip: PITTSBURG, CA 94565

 Site ID:
 617088

 CERS ID:
 10913545

CERS Description: Chemical Storage Facilities

Coordinates:

Site ID: 617088

Facility Name: AT&T Mobility - USID50647

Env Int Type Code: HMBP
Program ID: 10913545
Coord Name: Not reported

Ref Point Type Desc: Center of a facility or station.,

Latitude: 38.012260 Longitude: -121.909930

Affiliation:

Parent Corporation Affiliation Type Desc: Entity Name: AT&T Mobility Entity Title: Not reported Affiliation Address: Not reported Affiliation City: Not reported Affiliation State: Not reported Affiliation Country: Not reported Affiliation Zip: Not reported

Affiliation Phone: ,

Affiliation Type Desc: Facility Mailing Address

Entity Name: Mailing Address
Entity Title: Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

AT&T MOBILITY - USID50647 (Continued)

S106930742

EDR ID Number

Affiliation Address: 311 S. Akard Street, 12th Floor

Affiliation City:

Affiliation State:

Affiliation Country:

Affiliation Zip:

Affiliation Phone:

Affiliation Phone:

Dallas

TX

Not reported

75202

Affiliation Type Desc: Identification Signer Entity Name: Jeremy McGrue

Entity Title: National EPCRA Manager

Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported

Affiliation Phone: ,

Affiliation Type Desc: Operator Entity Name: AT&T Mobility Entity Title: Not reported Affiliation Address: Not reported Affiliation City: Not reported Affiliation State: Not reported Affiliation Country: Not reported Not reported Affiliation Zip: Affiliation Phone: (800) 566-9347,

Affiliation Type Desc: CUPA District

Entity Name: Contra Costa County Health Services Department

Entity Title: Not reported

Affiliation Address: 4585 Pacheco BlvdSuite 100

Affiliation City: Martinez

Affiliation State: CA

Affiliation Country: Not reported

Affiliation Zip: 94553

Affiliation Phone: (925) 655-3200,

Affiliation Type Desc: Document Preparer

Entity Name: Peter Burnell, Sigma Consultants, Inc.

Entity Title: Not reported Affiliation Address: Not reported Affiliation City: Not reported Affiliation State: Not reported Affiliation Country: Not reported Affiliation Zip: Not reported

Affiliation Phone:

Affiliation Type Desc: Environmental Contact

Entity Name: AT&T EH&S Hotline - Option #1

Entity Title: Not reported

Affiliation Address: 311 S. Akard Street, 12th Floor

Affiliation City: Dallas Affiliation State: TX

Affiliation Country: Not reported Affiliation Zip: 75202
Affiliation Phone: ...

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

AT&T MOBILITY - USID50647 (Continued)

S106930742

S102261673

Affiliation Type Desc: Legal Owner

New Cingular Wireless PCS, LLC dba AT&T Mobility **Entity Name:**

Entity Title: Not reported

Affiliation Address: 311 S. Akard Street, 12th Floor

Affiliation City: Dallas Affiliation State: TX

Affiliation Country: **United States** Affiliation Zip: 75202

Affiliation Phone: (469) 295-2319,

B2 DELTA VIEW GOLF COURSE CHMIRS

Not reported

2242 GOLF CLUB RD < 1/8 PITTSBURG, CA 94565 **CONTRA COSTA CO. SITE LIST** N/A

1 ft.

Site 1 of 2 in cluster B

Surrounding Area:

CHMIRS: Relative: Higher Name:

Not reported Address: 2242 GOLF CLUB RD Actual:

City, State, Zip: PITTSBURG, CA 94518 86 ft.

OES Incident Number: 0-4925 OES notification: 10/24/2000 OES Date: Not reported **OES Time:** Not reported **Date Completed:** Not reported Property Use: Not reported Agency Id Number: Not reported Agency Incident Number: Not reported Time Notified: Not reported Time Completed: Not reported

Estimated Temperature: Not reported Property Management: Not reported More Than Two Substances Involved?: Not reported Resp Agncy Personel # Of Decontaminated: Not reported Responding Agency Personel # Of Injuries: Not reported Responding Agency Personel # Of Fatalities: Not reported Others Number Of Decontaminated: Not reported Others Number Of Injuries: Not reported Others Number Of Fatalities: Not reported Vehicle Make/year: Not reported Vehicle License Number: Not reported Vehicle State: Not reported

Vehicle Id Number: Not reported CA DOT PUC/ICC Number: Not reported Company Name: Not reported Reporting Officer Name/ID: Not reported Report Date: Not reported Facility Telephone: Not reported

Waterway Involved:

Waterway: Not reported Not reported Spill Site: Reporting Party Cleanup By: Containment: Not reported What Happened: Not reported Not reported Type: Measure: Not reported

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

DELTA VIEW GOLF COURSE (Continued)

S102261673

Other: Not reported Not reported Date/Time: 2000 Year: Agency: PG&E

10/22/200012:00:00 AM Incident Date:

Contra Costa County Health Services Dept. Admin Agency:

Not reported Amount: Contained: Yes Site Type: Road E Date: Not reported

Substance: transformer oil/no pcbs

Gallons: 75 Unknown:

Substance #2: Not reported Substance #3: Not reported

Evacuations: Number of Injuries: 0 Number of Fatalities: 0

#1 Pipeline: Not reported #2 Pipeline: Not reported #3 Pipeline: Not reported #1 Vessel >= 300 Tons: Not reported #2 Vessel >= 300 Tons: Not reported #3 Vessel >= 300 Tons: Not reported Not reported Evacs: Injuries: Not reported Fatals: Not reported Comments: Not reported

Description: high wind blew a pole down. All cleaned up.

CONTRA COSTA CO. SITE LIST:

Name: **DELTA VIEW GOLF COURSE** Address: 2242 GOLF CLUB RD

PITTSBURG City: Facility ID: FA0028546

Billing Status: INACTIVE, NON-BILLABLE CONTRA COSTA CO. SITE LIST Program Status:

Program/Elements: HMBP GENERAL Region: **CONTRA COSTA**

Cupa Number: 771805 CERS ID: 10013353

Name: **DELTA VIEW GOLF COURSE** 2242 GOLF CLUB RD

Address: **PITTSBURG** City:

Facility ID: FA0028546

INACTIVE, NON-BILLABLE Billing Status: Program Status: CONTRA COSTA CO. SITE LIST HWG: LESS THAN 5 TONS/YEAR Program/Elements:

CONTRA COSTA Region:

Cupa Number: 771805 CERS ID: 10013353

Direction Distance

Elevation Site Database(s) **EPA ID Number**

А3 PITTSBURG GOLF COURSE LUST S102444493 N/A

2222 GOLF CLUB DR Cortese

HIST CORTESE < 1/8 PITTSBURG, CA 94565 CONTRA COSTA CO. SITE LIST 1 ft.

Site 2 of 3 in cluster A

LUST: Relative: Higher PITTSBURG GOLF COURSE Name: Address: 2222 GOLF CLUB DR Actual: PITTSBURG, CA 94565 City,State,Zip: 88 ft.

Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)

Case Type: LUST Cleanup Site

Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0601300607

Global Id: T0601300607 Latitude: 38.010741 Longitude: -121.911024

Completed - Case Closed Status:

Status Date: 10/01/1997 Case Worker: Not reported RB Case Number: 07-0658

CONTRA COSTA COUNTY Local Agency:

Not reported File Location: Local Case Number: 71814 Potential Media Affect: Soil Potential Contaminants of Concern: Gasoline Site History: Not reported

LUST:

T0601300607 Global Id:

Contact Type: Local Agency Caseworker

Contact Name: SUE LOYD

CONTRA COSTA COUNTY Organization Name: Address: 4333 PACHECO BLVD.

City: **MARTINEZ**

Email: sloyd@hsd.co.contra-costa.ca.us

Phone Number: Not reported

LUST:

Global Id: T0601300607 Action Type: Other 03/28/1994 Date: Action: Leak Discovery

Global Id: T0601300607 Action Type: Other 03/28/1994 Date: Action: Leak Reported

Global Id: T0601300607 Action Type: Other 03/28/1994 Date: Action: Leak Stopped

T0601300607 Global Id: **RESPONSE** Action Type: Date: 07/07/1997

Action: Request for Closure **EDR ID Number**

Direction Distance Elevation

vation Site Database(s) EPA ID Number

PITTSBURG GOLF COURSE (Continued)

S102444493

EDR ID Number

LUST:

Global Id: T0601300607

Status: Open - Case Begin Date

Status Date: 03/28/1994

Global Id: T0601300607

Status: Open - Site Assessment

Status Date: 12/28/1994

Global Id: T0601300607

Status: Completed - Case Closed

Status Date: 10/01/1997

LUST REG 2:

Region: 2

Facility Id: 07-0658
Facility Status: Case Closed
Case Number: 71814
How Discovered: Tank Closure
Leak Cause: UNK
Leak Source: UNK
Date Leak Confirmed: 12/28/1994

Date Leak Confirmed: 12/28/1994
Oversight Program: LUST

Prelim. Site Assesment Wokplan Submitted:
Preliminary Site Assesment Began:
Pollution Characterization Began:
Pollution Remediation Plan Submitted:
Date Remediation Action Underway:
Not reported
Not reported
Not reported
Not reported
Not reported
Not reported
Not reported

CORTESE:

File Name:

Name: PITTSBURG GOLF COURSE Address: 2222 GOLF CLUB DR City,State,Zip: PITTSBURG, CA 94565

Region: CORTESE
Envirostor Id: Not reported
Global ID: T0601300607

Site/Facility Type: LUST CLEANUP SITE

Cleanup Status: COMPLETED - CASE CLOSED

Active Open

Status Date: Not reported Site Code: Not reported Latitude: Not reported Longitude: Not reported Owner: Not reported Enf Type: Not reported Not reported Swat R: Flag: active Order No: Not reported Not reported Waste Discharge System No: Effective Date: Not reported Region 2: Not reported Not reported WID Id: Solid Waste Id No: Not reported Waste Management Uit Name: Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

PITTSBURG GOLF COURSE (Continued)

S102444493

EDR ID Number

HIST CORTESE:

edr_fname: PITTSBURG GOLF COURSE

edr_fadd1: 2222 GOLF CLUB City,State,Zip: PITTSBURG, CA 94565

Region: CORTESE

Facility County Code:

Reg By: LTNKA Reg Id: 07-0658

CONTRA COSTA CO. SITE LIST:

Name: AT&T MOBILITY/PG&E TOWER 2/11 (50647)

Address: 2222 GOLF CLUB RD

City: PITTSBURG Facility ID: FA0030573

Billing Status: INACTIVE, NON-BILLABLE
Program Status: CONTRA COSTA CO. SITE LIST

Program/Elements: HMBP GENERAL Region: CONTRA COSTA

Cupa Number: 773904 CERS ID: 10019437

Name: T-MOBILE WEST CORP/BA01747A

Address: 2222 GOLF CLUB RD

City: PITTSBURG Facility ID: FA0030672

Billing Status: INACTIVE, NON-BILLABLE
Program Status: CONTRA COSTA CO. SITE LIST
Program/Elements: HMBP: LESS THAN 1000 LBS

Region: CONTRA COSTA

Cupa Number: 774003 CERS ID: Not reported

CERS:

Name: PITTSBURG GOLF COURSE
Address: 2222 GOLF CLUB DR
City,State,Zip: PITTSBURG, CA 94565

 Site ID:
 187156

 CERS ID:
 T0601300607

CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc: Local Agency Caseworker

Entity Name: SUE LOYD - CONTRA COSTA COUNTY

Entity Title: Not reported

Affiliation Address: 4333 PACHECO BLVD.

Affiliation City: MARTINEZ
Affiliation State: CA

Affiliation Country: Not reported Affiliation Zip: Not reported

Affiliation Phone:

Direction

Distance

EDR ID Number

Elevation Site

Database(s) EPA ID Number

A4 T-MOBILE WEST, LLC BA01747A CONTRA COSTA CO. SITE LIST S120629560

2222 GOLF CLUB RD N/A

< 1/8 PITTSBURG, CA 94565

1 ft.

Site 3 of 3 in cluster A

Relative: CONTRA COSTA CO. SITE LIST:

Higher Name: T-MOBILE WEST, LLC BA01747A

Actual: Address: 2222 GOLF CLUB RD

88 ft. City: PITTSBURG Facility ID: FA0038738

Facility ID: FA0038738

Billing Status: ACTIVE, BILLABLE

Program Status: CONTRA COSTA CO. SITE LIST Program/Elements: HMBP: LESS THAN 1000 LBS

Region: CONTRA COSTA

Cupa Number: 775381 CERS ID: 10718959

B5 AMERICAN CIVIL CONSTRUCTORS WEST COAST RCRA NonGen / NLR 1026803071

SW 2220 GOLF CLUB RD < 1/8 PITTSBURG, CA 94565

0.007 mi.

37 ft. Site 2 of 2 in cluster B

Relative: RCRA Listings:

Higher Date Form Received by Agency: 20210415

Actual: Handler Name: AMERICAN CIVIL CONSTRUCTORS WEST COAST
88 ft. Handler Address: 2220 GOLF CLUB RD

Handler City, State, Zip:

EPA ID:

CAC003115114

Contact Name:

ARNOLD ARTEAGA

Contact Address:

2990 BAY VISTA COURT

Contact City, State, Zip:

BENICIA, CA 94510

Contact Telephone:

707-398-8582

Contact Fax: Not reported
Contact Email: ARNOLD.ARTEAGA@ACCBUILT.COM

Contact Title: Not reported

EPA Region: 09

Land Type: Not reported

Federal Waste Generator Description:

Non-Notifier:

Not reported

Biennial Report Cycle:

Not reported

Not reported

Accessibility: Not reported
Active Site Indicator: Not reported
State District Owner: Not reported
State District: Not reported

Mailing Address: 2990 BAY VISTA COURT Mailing City, State, Zip: BENICIA, CA 94510

Owner Name: AMERICAN CIVIL CONSTRUCTORS WC
Owner Type: Other

Operator Name: ARNOLD ARTEAGA

Operator Type: Other Short-Term Generator Activity: No Importer Activity: No Mixed Waste Generator: No Transporter Activity: No Transfer Facility Activity: No Recycler Activity with Storage: No Small Quantity On-Site Burner Exemption: No Smelting Melting and Refining Furnace Exemption: No

CAC003115114

Map ID MAP FINDINGS
Direction

Distance
Elevation Site

AMERICAN CIVIL CONSTRUCTORS WEST COAST (Continued)

1026803071

Database(s)

EDR ID Number

EPA ID Number

Underground Injection Control:

Off-Site Waste Receipt:

Universal Waste Indicator:

Universal Waste Destination Facility:

No
Federal Universal Waste:

No

Active Site Fed-Reg Treatment Storage and Disposal Facility:
Active Site Converter Treatment storage and Disposal Facility:
Active Site State-Reg Treatment Storage and Disposal Facility:
Active Site State-Reg Handler:

Not reported
Not reported

Federal Facility Indicator:

Not reported

Hazardous Secondary Material Indicator: N

Sub-Part K Indicator: Not reported

Commercial TSD Indicator: No

Treatment Storage and Disposal Type: Not reported 2018 GPRA Permit Baseline: Not on the Baseline 2018 GPRA Renewals Baseline: Not on the Baseline Permit Renewals Workload Universe: Not reported Permit Workload Universe: Not reported Permit Progress Universe: Not reported Post-Closure Workload Universe: Not reported Closure Workload Universe: Not reported

202 GPRA Corrective Action Baseline:

Corrective Action Workload Universe:

Subject to Corrective Action Universe:

No
Non-TSDFs Where RCRA CA has Been Imposed Universe:

TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:

No
TSDFs Only Subject to CA under Discretionary Auth Universe:

No

Corrective Action Priority Ranking: No NCAPS ranking

Environmental Control Indicator:

Institutional Control Indicator:

Human Exposure Controls Indicator:

Groundwater Controls Indicator:

N/A

N/A

Operating TSDF Universe:

Full Enforcement Universe:

Not reported
Not reported

Significant Non-Complier Universe: No Unaddressed Significant Non-Complier Universe: No Addressed Significant Non-Complier Universe: No Significant Non-Complier With a Compliance Schedule Universe: No

Financial Assurance Required: Not reported

Handler Date of Last Change:20210415Recognized Trader-Importer:NoRecognized Trader-Exporter:No

Importer of Spent Lead Acid Batteries:NoExporter of Spent Lead Acid Batteries:NoRecycler Activity Without Storage:NoManifest Broker:NoSub-Part P Indicator:No

Handler - Owner Operator:

Owner/Operator Indicator: Operator

Owner/Operator Name: ARNOLD ARTEAGA

 Legal Status:
 Other

 Date Became Current:
 Not reported

 Date Ended Current:
 Not reported

Owner/Operator Address: 2990 BAY VISTA COURT Owner/Operator City,State,Zip: BENICIA, CA 94510

Direction Distance

Elevation Site Database(s) EPA ID Number

AMERICAN CIVIL CONSTRUCTORS WEST COAST (Continued)

1026803071

EDR ID Number

Owner/Operator Telephone: 707-398-8582
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator:
Owner/Operator Name: AMERICAN CIVIL CONSTRUCTORS WC
Legal Status:
Other
Date Became Current:
Not reported
Date Ended Current:
Not reported

Owner/Operator Address:

Owner/Operator City, State, Zip:

Owner/Operator Telephone:

Owner/Operator Telephone Ext:

Owner/Operator Fax:

Owner/Operator Email:

Description:

2990 BAY VISTA COURT
BENICIA, CA 94510
707-746-8028
Not reported
Not reported
Not reported

Historic Generators:

Receive Date: 20210415

Handler Name: AMERICAN CIVIL CONSTRUCTORS WEST COAST Federal Waste Generator Description: Not a generator, verified

State District Owner: Not reported

Large Quantity Handler of Universal Waste: No Recognized Trader Importer: No Recognized Trader Exporter: No Spent Lead Acid Battery Importer: Nο Spent Lead Acid Battery Exporter: No Current Record: Yes Non Storage Recycler Activity: No Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:

NAICS Code: 237310

NAICS Description: HIGHWAY, STREET, AND BRIDGE CONSTRUCTION

Facility Has Received Notices of Violations:

Violations: No Violations Found

Evaluation Action Summary:

Evaluations: No Evaluations Found

C6 GENERON IGS CONTRA COSTA CO. SITE LIST S126138806
NNE 992 ARCY LN CERS N/A

< 1/8 PITTSBURG, CA 94565

0.094 mi.

498 ft. Site 1 of 2 in cluster C

Relative: CONTRA COSTA CO. SITE LIST:

 Lower
 Name:
 GENERON IGS

 Actual:
 Address:
 992 ARCY LN

 55 ft.
 City:
 PITTSBURG

 Facility ID:
 FA0028972

Billing Status: ACTIVE, BILLABLE

Program Status: CONTRA COSTA CO. SITE LIST

Program/Elements: HMBP: >500K-2.5M LBS

Direction Distance Elevation

ation Site Database(s) EPA ID Number

GENERON IGS (Continued)

S126138806

EDR ID Number

Region: CONTRA COSTA

Cupa Number: 772267 CERS ID: 10014631

Name: GENERON IGS
Address: 992 ARCY LN
City: PITTSBURG
Facility ID: FA0028972
Billing Status: ACTIVE, BILLABLE

Program Status: CONTRA COSTA CO. SITE LIST Program/Elements: HWG: 5 - <12 TONS/YEAR

Region: CONTRA COSTA

Cupa Number: 772267 CERS ID: 10014631

CERS:

Name: GENERON IGS Address: 992 ARCY LN

City, State, Zip: PITTSBURG, CA 94565

Site ID: 393774 CERS ID: 10014631

CERS Description: Chemical Storage Facilities

Violations:

 Site ID:
 393774

 Site Name:
 GENERON IGS

 Violation Date:
 11-12-2019

Citation: 22 CCR 12 66262.11 - California Code of Regulations, Title 22, Chapter

12, Section(s) 66262.11

Violation Description: Failure to determine if wastes generated are hazardous waste by using

generator knowledge or applying testing method.

Violation Notes: Returned to compliance on 12/03/2019. OBSERVATION: The facility has a

machine shop and bead blast machine. The facility states the machine shop is not used often. CCHSHMP observed some powder on a machine, but

it was unclear how the facility handles fine metal powder. The

facility must determine if the fine metal powder is a hazardous waste. The facility has cold and hot water baths that a manufactured product goes through. The waste in the cold and hot baths circulates to tanks T1 and/or T6. The facility had analytical results for the materials put into the water, but it was a percentage of those materials. The facility must determine at the point of generation for each water source (each bath) is a hazardous waste. A sample from either tank (T1

and T6) would not be sufficient because the waster would be commingled from multiple sources. CORRECTIVE ACTION: By December 12, 2019, provide information to CCHSHMP that determines if the fine metal powder or any water stream going to tanks T1 or T6 are [Truncated]

Violation Division: Contra Costa County Health Services Department

Violation Program: HW Violation Source: CERS,

 Site ID:
 393774

 Site Name:
 GENERON IGS

 Violation Date:
 08-21-2015

Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5,

Section(s) Multiple

Violation Description: Haz Waste Generator Program - Administration/Documentation - General

Violation Notes: Returned to compliance on 09/18/2015. CCR22-66261 FAILED TO MARK EMPTY

Direction Distance

EDR ID Number Elevation **EPA ID Number** Site Database(s)

GENERON IGS (Continued)

CONTAINERS

Violation Division: Contra Costa County Health Services Department

Violation Program: ΗW Violation Source: CERS.

Site ID: 393774

GENERON IGS Site Name: Violation Date: 11-12-2019

Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter

6.95, Section(s) 25505(a)(4)

Violation Description: Failure to provide initial and annual training to all employees in

> safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training

records for a minimum of three years.

Returned to compliance on 12/03/2019. OBSERVATION: Facility staff are Violation Notes:

trained within 6 months of hire and receive continuing training during safety briefings. The last emergency response training was July 2018.

CORRECTIVE ACTION: By December 12, 2019, provide documentation of most

recent training on the emergency response plan.

Violation Division: Contra Costa County Health Services Department

HMRRP Violation Program: Violation Source: CERS.

Site ID: 393774

Site Name: **GENERON IGS** Violation Date: 08-21-2015

Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5,

Section(s) Multiple

Violation Description: Haz Waste Generator Program - Administration/Documentation - General Returned to compliance on 09/18/2015. CCR22 66262-34(E)(1)(A) Violation Notes:

CONTAINER UTILIZING SATELLITE ACCUMULATION RULES

Violation Division: Contra Costa County Health Services Department

Violation Program: Violation Source: CERS.

Site ID: 393774

GENERON IGS Site Name: Violation Date: 11-12-2019

Citation: 40 CFR 1 265.31 - U.S. Code of Federal Regulations, Title 40, Chapter

1, Section(s) 265.31

Violation Description: Failure to maintain and operate the facility to minimize the

possibility of a fire, explosion, or any unplanned sudden or

non-sudden release of hazardous waste or hazardous waste constituents to air, soil, or surface water which could threaten human health or

the environment.

Returned to compliance on 12/06/2019. OBSERVATION: The secondary Violation Notes:

containment for the Bay 2 drums storage had liquid that appeared to be product. The secondary containment must be free of liquids, especially of hazardous materials. CORRECTIVE ACTION: By December 12, 2019, provide documentation, such as photos, to CCHSHMP that shows the secondary containment at Bay 2 has been cleaned out and materials taken out of secondary containment were properly disposed of.

Violation Division: Contra Costa County Health Services Department

Violation Program: Violation Source: CERS,

Site ID: 393774 S126138806

Map ID MAP FINDINGS
Direction

Distance EDR ID Number
Elevation Site EPA ID Number

GENERON IGS (Continued) S126138806

Site Name: GENERON IGS Violation Date: 11-12-2019

Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22,

Chapter 12, Section(s) 66262.34(f)

Violation Description: Failure to properly label hazardous waste accumulation containers and

portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical

characteristics of the Hazardous Waste, and starting accumulation

date.

Violation Notes: Returned to compliance on 12/03/2019. OBSERVATION: The containers at

the mixing area (Bay 1) had labels that listed the material in the jugs as a hazardous waste, but did not meet the hazardous waste labeling requirements specified in California Code of Regulations

Title 22 Section 66262.34(f). CORRECTIVE ACTION: By December 12, 2019,

provide documentation, such as photos, to CCHSHMP that show the containers in the Bay 1 mixing area are appropriately labeled as

hazardous waste.

Violation Division: Contra Costa County Health Services Department

Violation Program: HW Violation Source: CERS,

 Site ID:
 393774

 Site Name:
 GENERON IGS

 Violation Date:
 08-21-2015

Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95,

Section(s) Multiple

Violation Description: Business Plan Program - Administration/Documentation - General

Violation Notes: Returned to compliance on 09/18/2015.
Violation Division: Contra Costa County Health Services Department

Violation Program: HMRRP Violation Source: CERS,

 Site ID:
 393774

 Site Name:
 GENERON IGS

 Violation Date:
 08-21-2015

Citation: HSC 6.5 Multiple Sections - California Health and Safety Code, Chapter

6.5, Section(s) Multiple Sections

Violation Description: Haz Waste Generator Program - Operations/Maintenance - General

Violation Notes: Returned to compliance on 09/18/2015.

Violation Division: Contra Costa County Health Services Department

Violation Program: HW Violation Source: CERS,

 Site ID:
 393774

 Site Name:
 GENERON IGS

 Violation Date:
 11-12-2019

Citation: 22 CCR 12 66262.23(a) - California Code of Regulations, Title 22,

Chapter 12, Section(s) 66262.23(a)

Violation Description: Failure to properly complete the Uniform Hazardous Waste Manifest.

Violation Notes: Returned to compliance on 12/03/2019. OBSERVATION: Manifests

013209178FLE and 011932342FLE had hazardous waste listed (row 1 of each manifest) that provides federal waste codes, but not the

California Waste Code. CORRECTIVE ACTION: By December 12, 2019, send a

manifest correction letter to DTSC (Department of Toxic Substances Control) to provide complete hazardous waste information for manifests

013209178FLE and 011932342FLE and copy CCHSHMP.

Violation Division: Contra Costa County Health Services Department

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

GENERON IGS (Continued) S126138806

Violation Program: HW Violation Source: CERS,

Site ID: 393774 Site Name: **GENERON IGS** Violation Date: 11-29-2018

Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter

6.95, Section(s) 25508(a)(1)

Failure to complete and electronically submit a site map with all Violation Description:

required content.

Returned to compliance on 12/24/2018. OBSERVATION: The business site Violation Notes:

> map needs to be updated with: storm and sewer drains, access and exit points, emergency shut offs (electricity/water/note to map there is no natura I gas) emergency response equipment (fire risers). CORRECTIVE

ACTION: Complete and electronically submit a site map with this

required content.

Violation Division: Contra Costa County Health Services Department

Violation Program: **HMRRP** Violation Source: CERS,

Evaluation:

Eval General Type: Compliance Evaluation Inspection

Eval Date: 08-21-2015 Violations Found: Yes

Eval Type: Routine done by local agency

Eval Notes: Not reported

Eval Division: Contra Costa County Health Services Department

Eval Program: **HMRRP** Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection

Eval Date: 12-06-2021 Violations Found:

Eval Type: Routine done by local agency

Eval Notes: Not reported

Eval Division: Contra Costa County Health Services Department

Eval Program: **HMRRP** Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection

12-08-2020 Eval Date:

Violations Found:

Eval Type: Routine done by local agency

Eval Notes: Not reported

Eval Division: Contra Costa County Health Services Department

Eval Program: **HMRRP** Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection

Eval Date: 12-08-2020 Violations Found:

Eval Type: Routine done by local agency

Eval Notes: Not reported

Eval Division: Contra Costa County Health Services Department

Eval Program: HW Eval Source: CERS,

MAP FINDINGS Map ID Direction

Distance

Elevation Site Database(s) **EPA ID Number**

GENERON IGS (Continued) S126138806

Eval General Type: Other/Unknown 09-23-2015 Eval Date: No

Violations Found:

Eval Type: Other, not routine, done by local agency

Eval Notes: Not reported

Contra Costa County Health Services Department **Eval Division:**

Eval Program: HW Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection

Eval Date: 11-29-2018 Violations Found: Yes

Eval Type: Routine done by local agency

Eval Notes: Not reported

Eval Division: Contra Costa County Health Services Department

Eval Program: **HMRRP** CERS. Eval Source:

Eval General Type: Compliance Evaluation Inspection

Eval Date: 12-01-2022 Violations Found: No

Eval Type: Routine done by local agency

Not reported **Eval Notes:**

Eval Division: Contra Costa County Health Services Department

Eval Program: **HMRRP Eval Source:** CERS,

Eval General Type: Compliance Evaluation Inspection

Eval Date: 12-01-2022 Violations Found: No

Eval Type: Routine done by local agency

Eval Notes: Not reported

Eval Division: Contra Costa County Health Services Department

Eval Program: HW CERS, **Eval Source:**

Eval General Type: Other/Unknown Eval Date: 12-09-2019

Violations Found: No

Eval Type: Other, not routine, done by local agency

Not reported **Eval Notes:**

Eval Division: Contra Costa County Health Services Department

Eval Program: **HMRRP Eval Source:** CERS,

Eval General Type: Compliance Evaluation Inspection

Eval Date: 11-12-2019 Violations Found:

Eval Type: Routine done by local agency

Eval Notes: Not reported

Eval Division: Contra Costa County Health Services Department

Eval Program: CERS, Eval Source:

Eval General Type: Other/Unknown Eval Date: 12-24-2018

Violations Found: No **EDR ID Number**

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

GENERON IGS (Continued) S126138806

Eval Type: Other, not routine, done by local agency

Not reported **Eval Notes:**

Eval Division: Contra Costa County Health Services Department

Eval Program: **HMRRP Eval Source:** CERS,

Eval General Type: Compliance Evaluation Inspection

Eval Date: 08-21-2015 Violations Found: Yes

Eval Type: Routine done by local agency

Eval Notes: Not reported

Eval Division: Contra Costa County Health Services Department

Eval Program: HW **Eval Source:** CERS,

Other/Unknown **Eval General Type:** 09-23-2015 Eval Date:

Violations Found: No

Eval Type: Other, not routine, done by local agency

Not reported **Eval Notes:**

Eval Division: Contra Costa County Health Services Department

Eval Program: **HMRRP Eval Source:** CERS.

Eval General Type: Compliance Evaluation Inspection

Eval Date: 11-12-2019 Violations Found: Yes

Eval Type: Routine done by local agency

Eval Notes: Not reported

Eval Division: Contra Costa County Health Services Department

Eval Program: **HMRRP Eval Source:** CERS.

Eval General Type: Compliance Evaluation Inspection

Eval Date: 11-29-2018

Violations Found: No

Eval Type: Routine done by local agency

Eval Notes: Not reported

Eval Division: Contra Costa County Health Services Department

Eval Program: HW Eval Source: CERS,

Eval General Type: Other/Unknown Eval Date: 12-09-2019

Violations Found: No

Eval Type: Other, not routine, done by local agency

Eval Notes: Not reported

Eval Division: Contra Costa County Health Services Department

Eval Program: HW **Eval Source:** CERS,

Enforcement Action:

Site ID: 393774 Site Name: **GENERON IGS**

Site Address: 992 ARCY LN Site City: **PITTSBURG** Site Zip: 94565

Direction Distance

EDR ID Number Elevation Site **EPA ID Number** Database(s)

GENERON IGS (Continued) S126138806

Enf Action Date: 08-21-2015

Enf Action Type: Notice of Violation (Unified Program)

Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection

Enf Action Notes: Not reported

Enf Action Division: Contra Costa County Health Services Department

Enf Action Program: **HMRRP** Enf Action Source: CERS,

Site ID: 393774 Site Name: **GENERON IGS**

Site Address: 992 ARCY LN Site City: **PITTSBURG** Site Zip: 94565 Enf Action Date: 08-21-2015

Enf Action Type: Notice of Violation (Unified Program)

Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection

Enf Action Notes: Not reported

Enf Action Division: Contra Costa County Health Services Department

Enf Action Program: HW Enf Action Source: CERS,

Site ID: 393774

Site Name: **GENERON IGS** Site Address: 992 ARCY LN Site City: **PITTSBURG** Site Zip: 94565 Enf Action Date: 11-12-2019

Enf Action Type: Notice of Violation (Unified Program)

Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection

Enf Action Notes: Not reported

Enf Action Division: Contra Costa County Health Services Department

Enf Action Program: **HMRRP** Enf Action Source: CERS.

Site ID: 393774 **GENERON IGS** Site Name: Site Address: 992 ARCY LN Site City: **PITTSBURG** Site Zip: 94565 Enf Action Date: 11-12-2019

Enf Action Type: Notice of Violation (Unified Program)

Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection

Enf Action Notes: Not reported

Enf Action Division: Contra Costa County Health Services Department

Enf Action Program: HW Enf Action Source: CERS,

Site ID: 393774 **GENERON IGS** Site Name: Site Address: 992 ARCY LN Site City: **PITTSBURG** Site Zip: 94565 Enf Action Date: 11-29-2018

Enf Action Type: Notice of Violation (Unified Program)

Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection

Enf Action Notes: Not reported

Enf Action Division: Contra Costa County Health Services Department

Direction Distance Elevation

vation Site Database(s) EPA ID Number

GENERON IGS (Continued)

S126138806

EDR ID Number

Enf Action Program: HMRRP Enf Action Source: CERS,

Affiliation:

Affiliation Type Desc: CUPA District

Entity Name: Contra Costa County Health Services Department

Entity Title: Not reported

Affiliation Address: 4585 Pacheco BlvdSuite 100

Affiliation City: Martinez

Affiliation State: CA

Affiliation Country: Not reported

Affiliation Zip: 94553

Affiliation Phone: (925) 655-3200,

Affiliation Type Desc: **Document Preparer** Entity Name: Kyle Jensvold Entity Title: Not reported Affiliation Address: Not reported Affiliation City: Not reported Affiliation State: Not reported Affiliation Country: Not reported Affiliation Zip: Not reported

Affiliation Phone: ,

Affiliation Type Desc: Legal Owner

Entity Name: Innovative Gas Systems

Entity Title: Not reported

Affiliation Address: 16250 Tomball Parkway

Affiliation City: Houston Affiliation State: TX

Affiliation Country: United States Affiliation Zip: 77086

Affiliation Phone: (713) 937-5200,

Affiliation Type Desc: Operator Entity Name: **Bob Norman** Not reported **Entity Title:** Affiliation Address: Not reported Affiliation City: Not reported Affiliation State: Not reported Affiliation Country: Not reported Affiliation Zip: Not reported Affiliation Phone: (925) 431-1030,

Affiliation Type Desc:

Entity Name:

Entity Title:

Affiliation Address:

Affiliation City:

Affiliation State:

Affiliation Country:

Affiliation Country:

Facility Mailing Address

Mailing Address

Po Box 271

Pittsburg

CA

Not reported

Affiliation Country: Not rep
Affiliation Zip: 94565
Affiliation Phone: ,

Affiliation Type Desc: Identification Signer Entity Name: Karen Skala Entity Title: Plant Manager

Direction Distance

Elevation Site Database(s) EPA ID Number

GENERON IGS (Continued) S126138806

Affiliation Address:

Affiliation City:

Affiliation State:

Affiliation Country:

Affiliation Country:

Affiliation Zip:

Not reported

Not reported

Not reported

Affiliation Phone: ,

Affiliation Type Desc: Parent Corporation Entity Name: **GENERON IGS Entity Title:** Not reported Affiliation Address: Not reported Affiliation City: Not reported Affiliation State: Not reported Affiliation Country: Not reported Affiliation Zip: Not reported

Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact

Entity Name: Kyle Jensvold
Entity Title: Not reported
Affiliation Address: PO Box 271
Affiliation City: Pittsburg
Affiliation State: CA

Affiliation Country: Not reported
Affiliation Zip: 94565
Affiliation Phone: ,

NNE 101 AVILA RD

< 1/8 PITTSBURG, CA 94565

0.102 mi.

C7

538 ft. Site 2 of 2 in cluster C

Relative: CONTRA COSTA CO. SITE LIST:

Lower Name: SPRINT CELL SITE FN03XC129

Actual: Address: 101 AVILA RD
54 ft. City: PITTSBURG
Facility ID: FA0030505
Billing Status: ACTIVE, BILLABLE

VERIZON WIRELESS WILLOW PASS

Program Status: CONTRA COSTA CO. SITE LIST
Program/Elements: HMBP: 1K-10K LBS, 0-19 EMPLOYEES

Region: CONTRA COSTA

Cupa Number: 773836 CERS ID: 10019233

Name: AMERICAN TOWER CORP/W PITTSBURG, #301277

Address: 101 AVILA RD
City: PITTSBURG
Facility ID: FA0030372

Billing Status: INACTIVE, NON-BILLABLE
Program Status: CONTRA COSTA CO. SITE LIST
Program/Elements: HMBP: 1K-10K LBS, 0-19 EMPLOYEES

Region: CONTRA COSTA

Cupa Number: 773703 CERS ID: 10018834

Name: VERIZON WIRELESS WILLOW PASS

S105455527

N/A

CERS

CONTRA COSTA CO. SITE LIST

EDR ID Number

Direction Distance

Elevation Site Database(s) EPA ID Number

VERIZON WIRELESS WILLOW PASS (Continued)

S105455527

EDR ID Number

Address: 101 AVILA RD
City: PITTSBURG
Facility ID: FA0028907
Billing Status: ACTIVE, BILLABLE

Program Status: CONTRA COSTA CO. SITE LIST
Program/Elements: HMBP: 1K-10K LBS, 0-19 EMPLOYEES

Region: CONTRA COSTA

Cupa Number: 772197 CERS ID: 10014436

CERS:

Name: VERIZON WIRELESS WILLOW PASS

Address: 101 AVILA RD

City, State, Zip: PITTSBURG, CA 94565

Site ID: 406644 CERS ID: 10014436

CERS Description: Chemical Storage Facilities

Evaluation:

Eval General Type: Compliance Evaluation Inspection

Eval Date: 04-18-2016

Violations Found: No

Eval Type: Routine done by local agency

Eval Notes: Not reported

Eval Division: Contra Costa County Health Services Department

Eval Program: HMRRP Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection

Eval Date: 12-11-2019

Violations Found: No

Eval Type: Routine done by local agency

Eval Notes: Not reported

Eval Division: Contra Costa County Health Services Department

Eval Program: HMRRP Eval Source: CERS,

Affiliation:

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 295 Parkshore Drive

Affiliation City: Folsom
Affiliation State: CA

Affiliation Country: Not reported
Affiliation Zip: 95630
Affiliation Phone: ,

Affiliation Type Desc: Identification Signer Entity Name: armand delgado

Entity Title: environmental compliance mgr

Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported

Affiliation Phone:

Direction Distance

Elevation Site Database(s) EPA ID Number

VERIZON WIRELESS WILLOW PASS (Continued)

S105455527

EDR ID Number

Affiliation Type Desc: Operator Verizon Wireless **Entity Name:** Entity Title: Not reported Affiliation Address: Not reported Affiliation City: Not reported Affiliation State: Not reported Affiliation Country: Not reported Affiliation Zip: Not reported Affiliation Phone: (866) 694-2415,

Affiliation Type Desc: **Document Preparer** Entity Name: Steve Skanderson Entity Title: Not reported Affiliation Address: Not reported Affiliation City: Not reported Not reported Affiliation State: Affiliation Country: Not reported Affiliation Zip: Not reported

Affiliation Phone:

Affiliation Type Desc: Environmental Contact
Entity Name: Environmental Compliance

Entity Title: Not reported

Affiliation Address: 295 Parkshore Drive

Affiliation City: Folsom
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 95630
Affiliation Phone:

Affiliation Type Desc: CUPA District

Entity Name: Contra Costa County Health Services Department

Entity Title: Not reported

Affiliation Address: 4585 Pacheco BlvdSuite 100

Affiliation City: Martinez

Affiliation State: CA

Affiliation Country: Not reported

Affiliation Zip: 94553

Affiliation Phone: (925) 655-3200,

Affiliation Type Desc:

Entity Name:

Entity Title:

Affiliation Address:

Legal Owner

Verizon Wireless

Not reported

295 Parkshore Drive

Affiliation City: Folsom
Affiliation State: CA

Affiliation Country: United States
Affiliation Zip: 95630

Affiliation Phone: (866) 694-2415,

Affiliation Type Desc: Parent Corporation

Entity Name: Verizon Wireless [Northern California]

Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

VERIZON WIRELESS WILLOW PASS (Continued)

S105455527

EDR ID Number

Affiliation Zip: Not reported

Affiliation Phone:

Name: SPRINT CELL SITE FN03XC129

Address: 101 AVILA RD

City, State, Zip: PITTSBURG, CA 94565

Site ID: 402711 CERS ID: 10019233

CERS Description: Chemical Storage Facilities

Violations:

Site ID: 402711

Site Name: SPRINT CELL SITE FN03XC129

Violation Date: 03-15-2016

Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95,

Section(s) Multiple

Violation Description: Business Plan Program - Administration/Documentation - General

Violation Notes: Returned to compliance on 03/16/2016.

Violation Division: Contra Costa County Health Services Department

Violation Program: HMRRP Violation Source: CERS,

Evaluation:

Eval General Type: Compliance Evaluation Inspection

Eval Date: 03-15-2016

Violations Found: Yes

Eval Type: Routine done by local agency

Eval Notes: Not reported

Eval Division: Contra Costa County Health Services Department

Eval Program: HMRRP Eval Source: CERS,

Eval General Type: Other/Unknown Eval Date: 05-27-2016

Violations Found: No

Eval Type: Other, not routine, done by local agency

Eval Notes: Not reported

Eval Division: Contra Costa County Health Services Department

Eval Program: HMRRP Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection

Eval Date: 04-03-2019

Violations Found: No

Eval Type: Routine done by local agency

Eval Notes: Not reported

Eval Division: Contra Costa County Health Services Department

Eval Program: HMRRP Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection

Eval Date: 04-06-2022

Violations Found: No

Eval Type: Routine done by local agency

Eval Notes: Not reported

Eval Division: Contra Costa County Health Services Department

Direction Distance

Elevation Site Database(s) EPA ID Number

VERIZON WIRELESS WILLOW PASS (Continued)

S105455527

EDR ID Number

Eval Program: HMRRP Eval Source: CERS,

Enforcement Action:

Site ID: 402711

Site Name: SPRINT CELL SITE FN03XC129

 Site Address:
 101 AVILA RD

 Site City:
 PITTSBURG

 Site Zip:
 94565

 Enf Action Date:
 03-15-2016

Enf Action Type: Notice of Violation (Unified Program)

Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection

Enf Action Notes: Not reported

Enf Action Division: Contra Costa County Health Services Department

Enf Action Program: HMRRP Enf Action Source: CERS,

Affiliation:

Affiliation Type Desc: Identification Signer Entity Name: Noel Martinez

Entity Title: Sr Program Manager, EHS

Affiliation Address: Not reported Affiliation City: Not reported Affiliation State: Not reported Affiliation Country: Not reported Affiliation Zip: Not reported

Affiliation Phone: ,

Affiliation Type Desc: CUPA District

Entity Name: Contra Costa County Health Services Department

Entity Title: Not reported

Affiliation Address: 4585 Pacheco BlvdSuite 100

Affiliation City: Martinez

Affiliation State: CA

Affiliation Country: Not reported

Affiliation Zip: 94553

Affiliation Phone: (925) 655-3200,

Affiliation Type Desc: **Document Preparer** Entity Name: Noel Martinez Entity Title: Not reported Affiliation Address: Not reported Affiliation City: Not reported Affiliation State: Not reported Affiliation Country: Not reported Affiliation Zip: Not reported

Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact Entity Name: EHS Territory Manager

Entity Title: Not reported
Affiliation Address: P.O. Box 7994
Affiliation City: Shawnee Mission

Affiliation State: KS

Affiliation Country: Not reported Affiliation Zip: 66207-0994

Direction Distance

Elevation Site Database(s) EPA ID Number

VERIZON WIRELESS WILLOW PASS (Continued)

S105455527

EDR ID Number

Affiliation Phone:

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: P.O. Box 7994
Affiliation City: Shawnee Mission

Affiliation State: KS

Affiliation Country: Not reported Affiliation Zip: 66207-0994

Affiliation Phone:

Affiliation Type Desc: Operator Entity Name: Sprint Entity Title: Not reported Affiliation Address: Not reported Affiliation City: Not reported Affiliation State: Not reported Affiliation Country: Not reported Affiliation Zip: Not reported Affiliation Phone: (877) 347-4457,

Affiliation Type Desc:

Entity Name:

Entity Title:

Affiliation Address:

Legal Owner

Sprint

Not reported

P.O. Box 7994

Affiliation City: Shawnee Mission
Affiliation State: KS

Affiliation Country: United States
Affiliation Zip: 66207-0994
Affiliation Phone: (877) 347-4457,

Affiliation Type Desc: Parent Corporation

Entity Name: Sprint United Management Co.

Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported

Affiliation Phone: ,

D8 RANCHO MEDANOS JUNIOR HIGH SCHOOL RCRA NonGen / NLR 1025843214
NW 2301 RANGE ROAD CAC003022827

NW 2301 RANGE ROAD 1/8-1/4 PITTSBURG, CA 94565

0.146 mi.

770 ft. Site 1 of 2 in cluster D

Relative: RCRA Listings:
Higher Date Form Received by Agency:

HigherDate Form Received by Agency:20190708Actual:Handler Name:RANCHO MEDANOS JUNIOR HIGH SCHOOL98 ft.Handler Address:2301 RANGE ROAD

Handler City, State, Zip:

EPA ID:

Contact Name:

Contact Address:

Contact City, State, Zip:

PITTSBURG, CA 94565

CAC003022827

MATTHEW BELASCO

2301 RANGE ROAD

PITTSBURG, CA 94565

Map ID MAP FINDINGS
Direction

Distance
Elevation Site Database(s)

RANCHO MEDANOS JUNIOR HIGH SCHOOL (Continued)

1025843214

EDR ID Number

EPA ID Number

 Contact Telephone:
 925-473-2362

 Contact Fax:
 925-473-4295

Contact Email: MBELASCO@PITTSBURG.K12.CA.US

Other

Nο

Contact Title: Not reported EPA Region: 09

EPA Region: 09
Land Type: Not

Land Type: Not reported Federal Waste Generator Description: Not a generator, verified

Non-Notifier:

Biennial Report Cycle:
Accessibility:
Active Site Indicator:
State District Owner:
State District:

Not reported
Handler Activities
Not reported
Not reported
Not reported
Not reported

Mailing Address: 3200 LOVERIDGE RD Mailing City,State,Zip: PITTSBURG, CA 94565

Owner Name: MATTHEW BELASCO

Owner Type:

Federal Universal Waste:

Operator Name: MATTHEW BELASCO

Operator Type: Other Short-Term Generator Activity: No Importer Activity: No Mixed Waste Generator: No Transporter Activity: No Transfer Facility Activity: No Recycler Activity with Storage: No Small Quantity On-Site Burner Exemption: Nο Smelting Melting and Refining Furnace Exemption: Nο **Underground Injection Control:** No Off-Site Waste Receipt: No Universal Waste Indicator: Yes Universal Waste Destination Facility: Yes

Active Site Fed-Reg Treatment Storage and Disposal Facility:
Active Site Converter Treatment storage and Disposal Facility:
Active Site State-Reg Treatment Storage and Disposal Facility:

Not reported
Not reported

Active Site State-Reg Handler: --

Federal Facility Indicator: Not reported

Hazardous Secondary Material Indicator: N

Sub-Part K Indicator: Not reported Commercial TSD Indicator: No

Treatment Storage and Disposal Type: Not reported 2018 GPRA Permit Baseline: Not on the Baseline 2018 GPRA Renewals Baseline: Not on the Baseline Permit Renewals Workload Universe: Not reported Permit Workload Universe: Not reported Permit Progress Universe: Not reported Post-Closure Workload Universe: Not reported Closure Workload Universe: Not reported

202 GPRA Corrective Action Baseline:

Corrective Action Workload Universe:

Subject to Corrective Action Universe:

No
Non-TSDFs Where RCRA CA has Been Imposed Universe:

TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:

TSDFs Only Subject to CA under Discretionary Auth Universe:

No

Corrective Action Priority Ranking: No NCAPS ranking

Environmental Control Indicator: No Institutional Control Indicator: No

Map ID MAP FINDINGS
Direction

Distance Elevation

ion Site Database(s) EPA ID Number

RANCHO MEDANOS JUNIOR HIGH SCHOOL (Continued)

1025843214

EDR ID Number

Human Exposure Controls Indicator: N/A
Groundwater Controls Indicator: N/A

Operating TSDF Universe:

Full Enforcement Universe:

Not reported
Not reported

Significant Non-Complier Universe: No Unaddressed Significant Non-Complier Universe: No Addressed Significant Non-Complier Universe: No Significant Non-Complier With a Compliance Schedule Universe: No

Financial Assurance Required: Not reported

Handler Date of Last Change: 20190729 Recognized Trader-Importer: No Recognized Trader-Exporter: No Importer of Spent Lead Acid Batteries: No Exporter of Spent Lead Acid Batteries: No Recycler Activity Without Storage: No Manifest Broker: No Sub-Part P Indicator: Nο

Handler - Owner Operator:

Owner/Operator Indicator: Owner

Owner/Operator Name: MATTHEW BELASCO

 Legal Status:
 Other

 Date Became Current:
 Not reported

 Date Ended Current:
 Not reported

Owner/Operator Address: 3200 LOVERIDGE RD
Owner/Operator City, State, Zip: PITTSBURG, CA 94565

Owner/Operator Telephone: 925-473-2362
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator

Owner/Operator Name: MATTHEW BELASCO

Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported

Owner/Operator Address: 2301 RANGE ROAD
Owner/Operator City, State, Zip: PITTSBURG, CA 94565

Owner/Operator Telephone: 925-473-2362
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 20190708 Handler Name: RANCHO MEDANOS JUNIOR HIGH SCHOOL

Federal Waste Generator Description: Not a generator, verified

State District Owner: Not reported

Large Quantity Handler of Universal Waste:

Recognized Trader Importer:

No
Recognized Trader Exporter:

No
Spent Lead Acid Battery Importer:

No
Spent Lead Acid Battery Exporter:

No
Current Record:

Yes

Non Storage Recycler Activity: Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

Not reported

RANCHO MEDANOS JUNIOR HIGH SCHOOL (Continued)

1025843214

EDR ID Number

List of NAICS Codes and Descriptions:

Electronic Manifest Broker:

NAICS Code: 611110

NAICS Description: ELEMENTARY AND SECONDARY SCHOOLS

Facility Has Received Notices of Violations:

Violations: No Violations Found

Evaluation Action Summary:

Evaluations: No Evaluations Found

D9 RANCHO MEDANOS MIDDLE SCHOOL RCRA NonGen / NLR 1026471521
NW 2301 RANGE ROAD CAC003077108

1/8-1/4 PITTSBURG, CA 94565

0.146 mi.

770 ft. Site 2 of 2 in cluster D

Relative: RCRA Listings:

 Higher
 Date Form Received by Agency:
 20200730

 Actual:
 Handler Name:
 RANCHO MEDANOS MIDDLE SCHOOL

98 ft. Handler Address: 2301 RANGE ROAD Handler City, State, Zip: PITTSBURG, CA 94565

EPA ID: CAC003077108

Contact Name: MATTHEW BELASCO

Contact Address: 2301 RANGE ROAD

Contact City, State, Zip: PITTSBURG, CA 94565

Contact Telephone: 925-473-2362 Contact Fax: Not reported

Contact Email: JPARWIZ@ALLCLEANHAZ.COM

Contact Title: Not reported

EPA Region: 09

Land Type: Not reported

Federal Waste Generator Description:

Not a generator, verified

Non-Notifier:

Not reported

Non-Notifier:

Not reported
Biennial Report Cycle:

Accessibility:

Not reported
Active Site Indicator:

State District Owner:

State District:

Not reported
Mailing Address:

Not reported

Mailing City, State, Zip: PITTSBURG, CA 94565

Owner Name: PITTSBURG UNIFIED SCHOOL DISTRICT
Owner Type: Other

Operator Name: MATTHEW BELASCO

Operator Type: Other Short-Term Generator Activity: No Importer Activity: No Mixed Waste Generator: No Transporter Activity: No Transfer Facility Activity: No Recycler Activity with Storage: No Small Quantity On-Site Burner Exemption: No Smelting Melting and Refining Furnace Exemption: No **Underground Injection Control:** Nο

Distance

Elevation Site Database(s) EPA ID Number

RANCHO MEDANOS MIDDLE SCHOOL (Continued)

1026471521

EDR ID Number

Off-Site Waste Receipt:

Universal Waste Indicator:

Universal Waste Destination Facility:

No Federal Universal Waste:

No

Active Site Fed-Reg Treatment Storage and Disposal Facility:
Active Site Converter Treatment storage and Disposal Facility:
Active Site State-Reg Treatment Storage and Disposal Facility:
Not reported
Not reported

Active Site State-Reg Handler: --

Federal Facility Indicator: Not reported

Hazardous Secondary Material Indicator: N

Sub-Part K Indicator: Not reported Commercial TSD Indicator: No

Treatment Storage and Disposal Type:

2018 GPRA Permit Baseline:

2018 GPRA Renewals Baseline:

Permit Renewals Workload Universe:

Permit Workload Universe:

Permit Progress Universe:

Not reported

Not reported

Not reported

Not reported

Post-Closure Workload Universe:

Closure Workload Universe:

Not reported
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Subject to Corrective Action Universe:

No
Non-TSDFs Where RCRA CA has Been Imposed Universe:

TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:

TSDFs Only Subject to CA under Discretionary Auth Universe:

No

Corrective Action Priority Ranking: No NCAPS ranking

 Environmental Control Indicator:
 No

 Institutional Control Indicator:
 No

 Human Exposure Controls Indicator:
 N/A

 Groundwater Controls Indicator:
 N/A

Operating TSDF Universe:

Full Enforcement Universe:

Not reported

Not reported

Significant Non-Complier Universe:

Unaddressed Significant Non-Complier Universe:

No Addressed Significant Non-Complier Universe:

No Significant Non-Complier With a Compliance Schedule Universe:

No

Financial Assurance Required: Not reported

Handler Date of Last Change: 20200814
Recognized Trader-Importer: No
Recognized Trader-Exporter: No

Importer of Spent Lead Acid Batteries:

Exporter of Spent Lead Acid Batteries:

No Recycler Activity Without Storage:

No Manifest Broker:

Sub-Part P Indicator:

No

Handler - Owner Operator:

Owner/Operator Indicator: Operator

Owner/Operator Name: MATTHEW BELASCO

Legal Status:OtherDate Became Current:Not reportedDate Ended Current:Not reportedOwner/Operator Address:2301 RANGE ROADOwner/Operator City, State, Zip:PITTSBURG, CA 94565

Owner/Operator Telephone: 925-473-2362

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

PITTSBURG, CA 94565

RANCHO MEDANOS MIDDLE SCHOOL (Continued)

1026471521

Owner/Operator Telephone Ext: Not reported Not reported Owner/Operator Fax: Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner Owner/Operator Name: PITTSBURG UNIFIED SCHOOL DISTRICT Legal Status: Other Date Became Current: Not reported Date Ended Current: Not reported Owner/Operator Address: 2301 RANGE ROAD

Owner/Operator Telephone: 925-473-2362 Owner/Operator Telephone Ext: Not reported Owner/Operator Fax: Not reported Owner/Operator Email: Not reported

Historic Generators:

Owner/Operator City, State, Zip:

Receive Date: 20200730 Handler Name: RANCHO MEDANOS MIDDLE SCHOOL

Federal Waste Generator Description: Not a generator, verified

State District Owner: Not reported

Large Quantity Handler of Universal Waste: No Recognized Trader Importer: No Recognized Trader Exporter: No Spent Lead Acid Battery Importer: No Spent Lead Acid Battery Exporter: No Current Record: Yes

Non Storage Recycler Activity: Not reported Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:

NAICS Code: 611110

NAICS Description: **ELEMENTARY AND SECONDARY SCHOOLS**

Facility Has Received Notices of Violations:

Violations: No Violations Found

Evaluation Action Summary:

Evaluations: No Evaluations Found

RANGE ROAD MIDDLE SCHOOL SITE **ENVIROSTOR**

NNW **RANGE ROAD/LELAND ROAD** 1/8-1/4 PITTSBURG, CA 94565

0.179 mi. 947 ft.

10

Relative: **ENVIROSTOR:**

RANGE ROAD MIDDLE SCHOOL SITE Lower Name:

Address: RANGE ROAD/LELAND ROAD Actual: PITTSBURG, CA 94565 City,State,Zip: 83 ft.

Facility ID: 07650003 Status: No Further Action

03/01/2010 Status Date: Site Code: 204152

Site Type: School Investigation S116165420

N/A

SCH

Direction Distance

Elevation Site Database(s) EPA ID Number

RANGE ROAD MIDDLE SCHOOL SITE (Continued)

S116165420

EDR ID Number

Site Type Detailed: School
Acres: 24.76
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Not reported
Supervisor: Mark Malinowski

Division Branch: Northern California Schools & Santa Susana

Assembly: 14 Senate: 07

Special Program: Not reported

Restricted Use: NO

Site Mgmt Req: NONE SPECIFIED Funding: School District Latitude: 38.01642 Longitude: -121.9118 APN: 095150020

Past Use: FIRING RANGE - SMALL ARMS ETC...

Potential COC: Arsenic Total Chromium (1:6 ratio Cr VI:Cr III Explosives (UXO, MEC

Lead Mercury (elemental Silver

Confirmed COC: 30021-NO 30001-NO 30005-NO 30011-NO 30013-NO 30014-NO

Potential Description: SOIL

Alias Name: PITTSBURG USD-RANGE ROAD SITE

Alias Type: Alternate Name
Alias Name: Range Road Site
Alias Type: Alternate Name
Alias Name: 095150020
Alias Type: APN

Alias Name: Camp Stoneman
Alias Type: Former Project ID

Alias Name: 204152

Alias Type: Project Code (Site Code)

Alias Name: 07650003

Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 05/24/2007

Comments: This Post-PEA report documents air and soil sampling conducted during screening of the soil removed from the shooting range backstops. The

soil was screened to remove bullet fragments and bullet casings prior

to school construction. No determination letter required.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 08/24/2007

Comments: Revised UXO workplan approved.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: *Correspondence - Received

Completed Date: 07/05/2007

Comments: Letter to District with direction on the ordnance issue. DTSC is

reopening the site.

Direction Distance

Elevation Site Database(s) EPA ID Number

RANGE ROAD MIDDLE SCHOOL SITE (Continued)

S116165420

EDR ID Number

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Preliminary Endangerment Assessment Workplan

Completed Date: 10/11/2005

Comments: Workplan was determined to be complete and was approved 10/11/05.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 07/23/2007

Comments: DTSC issued a letter to the US Army Corps of Engineers requesting the

release of information pertaining to the Range Road site of former Camp Stoneman in light of the uncovering of an unexploded mortar on

site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 03/29/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Cost Recovery Closeout Memo

Completed Date: 06/27/2006 Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Environmental Oversight Agreement

Completed Date: 06/23/2005 Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Supplemental Site Investigation Report

Completed Date: 03/01/2010

Comments: DTSC concluded that the geophysical survey for the middle school

portion of the site is complete; however, there is further surveying necessary in the elementary school portion of the site. After removal of the 5-feet of fill material that was previously cleared for UXO, the consultant will need to complete a final survey of the native soil surface to ensure that their are no UXO components left on the

future elementary school site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Date: 02/28/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Demand
Completed Date: 02/15/2012

Comments: First Collection Letter Inv 10SM2143 & 11SM0351

Direction Distance

Elevation Site Database(s) EPA ID Number

RANGE ROAD MIDDLE SCHOOL SITE (Continued)

S116165420

EDR ID Number

Future Area Name: Not reported Not reported Future Sub Area Name: Future Document Type: Not reported Future Due Date: Not reported Schedule Area Name: Not reported Schedule Sub Area Name: Not reported Not reported Schedule Document Type: Schedule Due Date: Not reported Schedule Revised Date: Not reported

SCH:

Name: RANGE ROAD MIDDLE SCHOOL SITE

Address: RANGE ROAD/LELAND ROAD

City, State, Zip: PITTSBURG, CA 94565

Facility ID: 07650003

Site Type: School Investigation

Site Type Detail: School

Site Mgmt. Req.: NONE SPECIFIED

Acres: 24.76
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP

Lead Agency Description: DTSC - Site Cleanup Program

Project Manager: Not reported Supervisor: Mark Malinowski

Division Branch: Northern California Schools & Santa Susana

 Site Code:
 204152

 Assembly:
 14

 Senate:
 07

Special Program Status: Not reported Status: No Further Action Status Date: 03/01/2010 NO Restricted Use: School District Funding: 38.01642 Latitude: Longitude: -121.9118 APN: 095150020

Past Use: FIRING RANGE - SMALL ARMS ETC...

Potential COC: Arsenic, Total Chromium (1:6 ratio Cr VI:Cr III, Explosives (UXO,

MEC, Lead, Mercury (elemental, Silver

Confirmed COC: 30021-NO, 30001-NO, 30005-NO, 30011-NO, 30013-NO, 30014-NO

Potential Description: SOIL

Alias Name: PITTSBURG USD-RANGE ROAD SITE

Alias Type: Alternate Name
Alias Name: Range Road Site
Alias Type: Alternate Name
Alias Name: 095150020
Alias Type: APN

Alias Name: Camp Stoneman
Alias Type: Former Project ID

Alias Name: 204152

Alias Type: Project Code (Site Code)

Alias Name: 07650003

Alias Type: Envirostor ID Number

Completed Info:

Direction Distance

Elevation Site Database(s) EPA ID Number

RANGE ROAD MIDDLE SCHOOL SITE (Continued)

S116165420

EDR ID Number

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 05/24/2007

Comments: This Post-PEA report documents air and soil sampling conducted during

screening of the soil removed from the shooting range backstops. The soil was screened to remove bullet fragments and bullet casings prior

to school construction. No determination letter required.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 08/24/2007

Comments: Revised UXO workplan approved.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: *Correspondence - Received

Completed Date: 07/05/2007

Comments: Letter to District with direction on the ordnance issue. DTSC is

reopening the site.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Preliminary Endangerment Assessment Workplan

Completed Date: 10/11/2005

Comments: Workplan was determined to be complete and was approved 10/11/05.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 07/23/2007

Comments: DTSC issued a letter to the US Army Corps of Engineers requesting the

release of information pertaining to the Range Road site of former Camp Stoneman in light of the uncovering of an unexploded mortar on

site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 03/29/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Cost Recovery Closeout Memo

Completed Date: 06/27/2006 Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Environmental Oversight Agreement

Completed Date: 06/23/2005 Comments: Not reported

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

RANGE ROAD MIDDLE SCHOOL SITE (Continued)

S116165420

EDR ID Number

Completed Document Type: Supplemental Site Investigation Report

Completed Date: 03/01/2010

Comments: DTSC concluded that the geophysical survey for the middle school

portion of the site is complete; however, there is further surveying necessary in the elementary school portion of the site. After removal of the 5-feet of fill material that was previously cleared for UXO, the consultant will need to complete a final survey of the native soil surface to ensure that their are no UXO components left on the

future elementary school site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 02/28/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Demand
Completed Date: 02/15/2012

Comments: First Collection Letter Inv 10SM2143 & 11SM0351

Future Area Name: Not reported Future Sub Area Name: Not reported Future Document Type: Not reported Future Due Date: Not reported Schedule Area Name: Not reported Schedule Sub Area Name: Not reported Schedule Document Type: Not reported Schedule Due Date: Not reported Schedule Revised Date: Not reported

VERONICA ALSTON RCRA NonGen / NLR 1026718021 37 ORINDA CIRCLE CAC003106577

1/8-1/4 0.193 mi. 1017 ft.

113 ft.

11

SF

Relative: RCRA Listings:

PITTSBURG, CA 94565

Higher Date Form Received by Agency: 20210219

Actual: Handler Name: VERONICA ALSTON

Handler Address:
Handler City, State, Zip:
PITTSBURG, CA 94565
EPA ID:
CAC003106577
Contact Name:
VERONICA ALSTON
Contact Address:
37 ORINDA CIRCLE
PITTSBURG, CA 94565
PA ID:
PITTSBURG, CA 94565

Contact City, State, Zip: PITTSBURG, Contact Telephone: 925-864-9296
Contact Fax: Not reported

Contact Email: NICOLE@ENV-REM.COM

Contact Title: Not reported EPA Region: 09

Land Type: Not reported

Federal Waste Generator Description:

Not a generator, verified
Non-Notifier:

Not reported

Not reported

Not reported

Accessibility:

Not reported

Not reported

Not reported

Not reported

Not reported

Distance EDR ID Number
Elevation Site EDR ID Number
Database(s) EPA ID Number

VERONICA ALSTON (Continued)

1026718021

State District Owner: Not reported State District: Not reported

Mailing Address: 37 ORINDA CIRCLE
Mailing City,State,Zip: PITTSBURG, CA 94565

Owner Name: VERONICA ALSTON

Owner Type: Other

Operator Name: VERONICA ALSTON
Operator Type: Other

Short-Term Generator Activity: No Importer Activity: No Mixed Waste Generator: Nο Transporter Activity: No Transfer Facility Activity: No Recycler Activity with Storage: No Small Quantity On-Site Burner Exemption: No Smelting Melting and Refining Furnace Exemption: No **Underground Injection Control:** Nο

Off-Site Waste Receipt:

Universal Waste Indicator:

Universal Waste Destination Facility:

No
Federal Universal Waste:

No

Active Site Fed-Reg Treatment Storage and Disposal Facility:
Active Site Converter Treatment storage and Disposal Facility:
Not reported
Not reported

Active Site State-Reg Treatment Storage and Disposal Facility: Not reported Active Site State-Reg Handler: ---

Federal Facility Indicator:

Not reported

Hazardous Secondary Material Indicator: N

Sub-Part K Indicator: Not reported

Commercial TSD Indicator: No

Treatment Storage and Disposal Type:

2018 GPRA Permit Baseline:

2018 GPRA Renewals Baseline:

Permit Renewals Workload Universe:

Permit Workload Universe:

Permit Progress Universe:

Post-Closure Workload Universe:

Not reported

Not reported

Not reported

Not reported

Not reported

Closure Workload Universe:

202 GPRA Corrective Action Baseline:

No

Corrective Action Workload Universe:

Subject to Corrective Action Universe:

No
Non-TSDFs Where RCRA CA has Been Imposed Universe:

No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:

No

TSDFs Only Subject to CA under Discretionary Auth Universe: No

Corrective Action Priority Ranking:

Environmental Control Indicator:

Institutional Control Indicator:

No

No

Human Exposure Controls Indicator: N/A
Groundwater Controls Indicator: N/A
Operating TSDF Universe: Not repo

Operating TSDF Universe:

Full Enforcement Universe:

Significant Non-Complier Universe:

Not reported

No

Unaddressed Significant Non-Complier Universe:

Addressed Significant Non-Complier Universe:

No Significant Non-Complier With a Compliance Schedule Universe:

Financial Assurance Required:

Not reported

Handler Date of Last Change: 20210226
Recognized Trader-Importer: No

MAP FINDINGS Map ID Direction

Distance Elevation

EDR ID Number Site Database(s) **EPA ID Number**

VERONICA ALSTON (Continued)

1026718021

Recognized Trader-Exporter: No Importer of Spent Lead Acid Batteries: No Exporter of Spent Lead Acid Batteries: No Recycler Activity Without Storage: No Manifest Broker: No Sub-Part P Indicator: No

Handler - Owner Operator:

Owner/Operator Indicator: Operator

Owner/Operator Name: VERONICA ALSTON

Legal Status: Other Date Became Current: Not reported Date Ended Current: Not reported Owner/Operator Address: 37 ORINDA CIRCLE Owner/Operator City, State, Zip: PITTSBURG, CA 94565 Owner/Operator Telephone: 925-864-9296

Owner/Operator Telephone Ext: Not reported Owner/Operator Fax: Not reported Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner

Owner/Operator Name: VERONICA ALSTON

Legal Status: Other Date Became Current: Not reported Date Ended Current: Not reported Owner/Operator Address: 37 ORINDA CIRCLE Owner/Operator City, State, Zip: PITTSBURG, CA 94565

Owner/Operator Telephone: 925-864-9296 Owner/Operator Telephone Ext: Not reported Owner/Operator Fax: Not reported Owner/Operator Email: Not reported

Historic Generators:

20210219 Receive Date:

VERONICA ALSTON Handler Name:

Federal Waste Generator Description: Not a generator, verified

State District Owner: Not reported

Large Quantity Handler of Universal Waste: No Recognized Trader Importer: No Recognized Trader Exporter: No Spent Lead Acid Battery Importer: No Spent Lead Acid Battery Exporter: No Current Record: Yes Non Storage Recycler Activity: No

Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:

NAICS Code:

NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:

Violations: No Violations Found

MAP FINDINGS Map ID Direction

Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

VERONICA ALSTON (Continued)

1026718021

Evaluation Action Summary:

No Evaluations Found Evaluations:

12 **KEVIN ALBERTSEN** RCRA NonGen / NLR 1027070287

2181 DOVER WAY ΝE 1/8-1/4 PITTSBURG, CA 94565

Land Type:

CAC003141733

0.240 mi. 1268 ft.

Relative: RCRA Listings:

Lower Date Form Received by Agency: 20211001

Handler Name: KEVIN ALBERTSEN Actual:

2181 DOVER WAY Handler Address: 54 ft. Handler City, State, Zip: PITTSBURG, CA 94565 EPA ID: CAC003141733 Contact Name: **KEVIN ALBERTSEN** Contact Address: 2181 DOVER WAY

Contact City, State, Zip: PITTSBURG, CA 94565 Contact Telephone: 925-915-0799 Contact Fax: Not reported

Contact Email: MELISA@ENV-REM.COM

Not reported

No

PITTSBURG, CA 94565

Contact Title: Not reported EPA Region: 09

Not a generator, verified Federal Waste Generator Description:

Non-Notifier: Not reported Not reported Biennial Report Cycle: Accessibility: Not reported Active Site Indicator: Not reported State District Owner: Not reported State District: Not reported Mailing Address: 2181 DOVER WAY

Mailing City, State, Zip: Owner Name: KEVIN ALBERTSEN

Universal Waste Destination Facility:

Owner Type: Other

Operator Name: KEVIN ALBERTSEN

Operator Type: Other Short-Term Generator Activity: No Importer Activity: No Mixed Waste Generator: No Transporter Activity: No Transfer Facility Activity: No Recycler Activity with Storage: No Small Quantity On-Site Burner Exemption: No Smelting Melting and Refining Furnace Exemption: No Underground Injection Control: No Off-Site Waste Receipt: Nο Universal Waste Indicator: No

Federal Universal Waste: No Active Site Fed-Reg Treatment Storage and Disposal Facility: Not reported Active Site Converter Treatment storage and Disposal Facility: Not reported Active Site State-Reg Treatment Storage and Disposal Facility: Not reported

Active Site State-Reg Handler:

Federal Facility Indicator: Not reported

Hazardous Secondary Material Indicator: Ν

Direction Distance Elevation

tance EDR ID Number vation Site Database(s) EPA ID Number

KEVIN ALBERTSEN (Continued)

1027070287

Sub-Part K Indicator: Not reported

Commercial TSD Indicator: No

Treatment Storage and Disposal Type: Not reported 2018 GPRA Permit Baseline: Not on the Baseline 2018 GPRA Renewals Baseline: Not on the Baseline Permit Renewals Workload Universe: Not reported Permit Workload Universe: Not reported Permit Progress Universe: Not reported Post-Closure Workload Universe: Not reported Closure Workload Universe: Not reported

202 GPRA Corrective Action Baseline:

Corrective Action Workload Universe:

Subject to Corrective Action Universe:

No
Non-TSDFs Where RCRA CA has Been Imposed Universe:

TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:

TSDFs Only Subject to CA under Discretionary Auth Universe:

No

Corrective Action Priority Ranking: No NCAPS ranking

Environmental Control Indicator:

Indicator:

No
Institutional Control Indicator:

No
Human Exposure Controls Indicator:

N/A
Groundwater Controls Indicator:

N/A

Operating TSDF Universe:

Not reported
Full Enforcement Universe:

Not reported

Significant Non-Complier Universe:
Unaddressed Significant Non-Complier Universe:
No
Addressed Significant Non-Complier Universe:
No
Significant Non-Complier With a Compliance Schedule Universe:
No

Financial Assurance Required: Not reported

Handler Date of Last Change:

Recognized Trader-Importer:

No
Recognized Trader-Exporter:

No
Importer of Spent Lead Acid Batteries:

No
Exporter of Spent Lead Acid Batteries:

No
Recycler Activity Without Storage:

No
Manifest Broker:

No

No

Handler - Owner Operator:

Sub-Part P Indicator:

Owner/Operator Indicator: Operator

Owner/Operator Name: KEVIN ALBERTSEN

Legal Status: Other

Date Became Current: Not reported

Date Ended Current: Not reported

Owner/Operator Address: 2181 DOVER WAY

Owner/Operator City, State, Zip: PITTSBURG, CA 94565

Owner/Operator Telephone: 925-915-0799
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner

Owner/Operator Name: KEVIN ALBERTSEN

 Legal Status:
 Other

 Date Became Current:
 Not reported

 Date Ended Current:
 Not reported

 Owner/Operator Address:
 2181 DOVER WAY

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

KEVIN ALBERTSEN (Continued) 1027070287

Owner/Operator City, State, Zip: PITTSBURG, CA 94565

Owner/Operator Telephone: 925-915-0799 Owner/Operator Telephone Ext: Not reported Owner/Operator Fax: Not reported Owner/Operator Email: Not reported

Historic Generators:

20211001 Receive Date:

Handler Name: **KEVIN ALBERTSEN**

Federal Waste Generator Description: Not a generator, verified

State District Owner: Not reported

Large Quantity Handler of Universal Waste: No Recognized Trader Importer: No Recognized Trader Exporter: No Spent Lead Acid Battery Importer: No Spent Lead Acid Battery Exporter: No Current Record: Yes Non Storage Recycler Activity: No Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:

NAICS Code:

NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:

Violations: No Violations Found

Evaluation Action Summary:

Evaluations: No Evaluations Found

E13 CITY OF PITTSBURG/PUBLIC SVCS RCRA NonGen / NLR 1024797814 SSE **300 OLYMPIA DR** CAL000191615

1/8-1/4 PITTSBURG, CA 94565

0.241 mi.

Site 1 of 4 in cluster E 1271 ft.

Relative: RCRA Listings:

Higher Date Form Received by Agency: 20000629 Handler Name: CITY OF PITTSBURG/PUBLIC SVCS Actual:

Handler Address: 300 OLYMPIA DR 153 ft.

> Handler City, State, Zip: PITTSBURG, CA 94565-0000

EPA ID: CAL000191615 Contact Name: LAURA WRIGHT Contact Address: **65 CIVIC AVENUE** Contact City, State, Zip: PITTSBURG, CA 94565

Contact Telephone: 925-252-4114 Contact Fax: 925-252-4851

LWRIGHT@CI.PITTSBURG.CA.US Contact Email:

Contact Title: Not reported EPA Region: 09

Land Type: Not reported

Federal Waste Generator Description: Not a generator, verified

Non-Notifier: Not reported Biennial Report Cycle: Not reported Not reported Accessibility:

MAP FINDINGS Map ID Direction

EDR ID Number Distance Elevation Site Database(s) **EPA ID Number**

CITY OF PITTSBURG/PUBLIC SVCS (Continued)

1024797814

Active Site Indicator: Handler Activities State District Owner: Not reported State District: Not reported 65 CIVIC AVE Mailing Address:

Mailing City, State, Zip: PITTSBURG, CA 94565

Owner Name: CITY OF PITTSBURG

Owner Type: Other

Operator Name: LAURA WRIGHT Operator Type: Other

Short-Term Generator Activity: No Importer Activity: No Mixed Waste Generator: No Transporter Activity: No Transfer Facility Activity: No Recycler Activity with Storage: No Small Quantity On-Site Burner Exemption: No Smelting Melting and Refining Furnace Exemption: Nο **Underground Injection Control:** No Off-Site Waste Receipt: No Universal Waste Indicator: Yes Universal Waste Destination Facility: Yes Federal Universal Waste: No

Active Site Fed-Reg Treatment Storage and Disposal Facility: Not reported Active Site Converter Treatment storage and Disposal Facility: Not reported Active Site State-Reg Treatment Storage and Disposal Facility: Not reported Active Site State-Reg Handler:

Federal Facility Indicator:

Not reported Hazardous Secondary Material Indicator:

Sub-Part K Indicator: Not reported

Commercial TSD Indicator: No

Treatment Storage and Disposal Type: Not reported 2018 GPRA Permit Baseline: Not on the Baseline 2018 GPRA Renewals Baseline: Not on the Baseline Permit Renewals Workload Universe: Not reported Permit Workload Universe: Not reported

Permit Progress Universe: Not reported Post-Closure Workload Universe: Not reported Closure Workload Universe: Not reported

202 GPRA Corrective Action Baseline: No Corrective Action Workload Universe: No Subject to Corrective Action Universe: No Non-TSDFs Where RCRA CA has Been Imposed Universe: No TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: No

TSDFs Only Subject to CA under Discretionary Auth Universe: No Corrective Action Priority Ranking: No NCAPS ranking

Environmental Control Indicator: No Institutional Control Indicator: No Human Exposure Controls Indicator: N/A Groundwater Controls Indicator: N/A

Operating TSDF Universe: Not reported Full Enforcement Universe: Not reported

Significant Non-Complier Universe: No Unaddressed Significant Non-Complier Universe: No Addressed Significant Non-Complier Universe: No Significant Non-Complier With a Compliance Schedule Universe: No Financial Assurance Required: Not reported

Handler Date of Last Change: 20180905

Distance Elevation Site

te Database(s) EPA ID Number

CITY OF PITTSBURG/PUBLIC SVCS (Continued)

1024797814

EDR ID Number

Recognized Trader-Importer:

Recognized Trader-Exporter:

No
Importer of Spent Lead Acid Batteries:

No
Exporter of Spent Lead Acid Batteries:

No
Recycler Activity Without Storage:

No
Manifest Broker:

No
Sub-Part P Indicator:

No

Handler - Owner Operator:

Owner/Operator Indicator: Operator

Owner/Operator Name: LAURA WRIGHT

Legal Status:OtherDate Became Current:Not reportedDate Ended Current:Not reportedOwner/Operator Address:65 CIVIC AVENUEOwner/Operator City, State, Zip:PITTSBURG, CA 94565

Owner/Operator Telephone: 925-252-4114
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner

Owner/Operator Name: CITY OF PITTSBURG

Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 65 CIVIC AVE

Owner/Operator City,State,Zip: PITTSBURG, CA 94565

Owner/Operator Telephone: 925-252-4936
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 20000629 Handler Name: CITY OF PITTSBURG/PUBLIC SVCS

Federal Waste Generator Description: Not a generator, verified

State District Owner: Not reported

Large Quantity Handler of Universal Waste: No Recognized Trader Importer: No Recognized Trader Exporter: No Spent Lead Acid Battery Importer: No Spent Lead Acid Battery Exporter: No Current Record: Yes

Non Storage Recycler Activity: Not reported Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:

NAICS Code: 92111

NAICS Description: EXECUTIVE OFFICES

Facility Has Received Notices of Violations:

Violations: No Violations Found

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

CITY OF PITTSBURG/PUBLIC SVCS (Continued)

1024797814

Evaluation Action Summary:

Evaluations: No Evaluations Found

E14 PITTSBURG WATER TREATMENT PLNT **CERS HAZ WASTE** S105091658 SSE **300 OLYMPIA DR SWEEPS UST** N/A

1/8-1/4 PITTSBURG, CA 94565 **ENF**

0.241 mi. **CONTRA COSTA CO. SITE LIST**

1271 ft. Site 2 of 4 in cluster E **WDS**

CIWQS Relative: **CERS** Higher

CERS HAZ WASTE: Actual:

CITY OF PITTSBURG WATER TREATMENT PLANT 153 ft. Name:

300 OLYMPIA DR Address: PITTSBURG, CA 94565 City,State,Zip:

Site ID: 19813 CERS ID: 10008526

CERS Description: Hazardous Chemical Management

CITY OF PITTSBURG WATER TREATMENT PLANT Name:

Address: 300 OLYMPIA DR PITTSBURG, CA 94565 City,State,Zip:

Site ID: 19813 CERS ID: 10008526

CERS Description: Hazardous Waste Generator

SWEEPS UST:

PITTSBURG WATER TREATMENT PLNT Name:

Address: 300 OLYMPIA DR City: **PITTSBURG** Status: Not reported Comp Number: 70113 Not reported Number: Board Of Equalization: Not reported Referral Date: Not reported Not reported Action Date: Created Date: Not reported Owner Tank Id: Not reported

SWRCB Tank Id: 07-000-070113-000001

Tank Status: Not reported

Capacity: 280

Active Date: Not reported Tank Use: M.V. FUEL **PRODUCT** STG: **DIESEL** Content: Number Of Tanks: 5

Name: PITTSBURG WATER TREATMENT PLNT

Address: 300 OLYMPIA DR **PITTSBURG** City: Status: Not reported Comp Number: 70113 Number: Not reported Board Of Equalization: Not reported Referral Date: Not reported Action Date: Not reported

Distance

Elevation Site Database(s) EPA ID Number

PITTSBURG WATER TREATMENT PLNT (Continued)

S105091658

EDR ID Number

Created Date: Not reported Owner Tank Id: Not reported

SWRCB Tank ld: 07-000-070113-000002

Tank Status: Not reported

Capacity: 280

Active Date: Not reported Tank Use: M.V. FUEL STG: PRODUCT Content: DIESEL Number Of Tanks: Not reported

Name: PITTSBURG WATER TREATMENT PLNT

300 OLYMPIA DR Address: City: **PITTSBURG** Status: Not reported Comp Number: 70113 Number: Not reported Board Of Equalization: Not reported Referral Date: Not reported Not reported Action Date: Created Date: Not reported Not reported Owner Tank Id:

SWRCB Tank Id: 07-000-070113-000003

Tank Status: Not reported

Capacity: 290

Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: REG UNLEADED
Number Of Tanks: Not reported

Name: PITTSBURG WATER TREATMENT PLNT

Address: 300 OLYMPIA DR City: **PITTSBURG** Not reported Status: Comp Number: 70113 Number: Not reported Board Of Equalization: Not reported Not reported Referral Date: Not reported Action Date: Created Date: Not reported Owner Tank Id: Not reported

SWRCB Tank Id: 07-000-070113-000004

Tank Status: Not reported
Capacity: 1500
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: DIESEL
Number Of Tanks: Not reported

Name: PITTSBURG WATER TREATMENT PLNT

Address: 300 OLYMPIA DR
City: PITTSBURG
Status: Not reported
Comp Number: 70113
Number: Not reported

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

PITTSBURG WATER TREATMENT PLNT (Continued)

S105091658

Board Of Equalization: Not reported Not reported Referral Date: Action Date: Not reported Created Date: Not reported Owner Tank Id: Not reported

07-000-070113-000005 SWRCB Tank Id:

Not reported Tank Status: Capacity: 2385 Active Date: Not reported Tank Use: M.V. FUEL **PRODUCT** STG: DIESEL Content: Number Of Tanks: Not reported

ENF:

PITTSBURG WATER TREATMENT PLANT Name:

Address: 300 OLYMPIA

City,State,Zip: PITTSBURG, CA 94565

Region: Facility Id: 250475 Agency Name: Not reported Place Type: Utility

Place Subtype: Water Treatment Plant Municipal/Domestic Facility Type: Agency Type: Not reported # Of Agencies: Not reported Place Latitude: 38.039381 Place Longitude: -121.907936 SIC Code 1: Not reported SIC Desc 1: Not reported SIC Code 2: Not reported SIC Desc 2: Not reported SIC Code 3: Not reported SIC Desc 3: Not reported

NAICS Code 1: Not reported NAICS Desc 1: Not reported NAICS Code 2: Not reported NAICS Desc 2: Not reported Not reported NAICS Code 3: NAICS Desc 3: Not reported # Of Places:

Source Of Facility: Enf Action Design Flow: Not reported Threat To Water Quality: Not reported Complexity: Not reported Not reported Pretreatment: Facility Waste Type: Not reported Facility Waste Type 2: Not reported Facility Waste Type 3: Not reported Facility Waste Type 4: Not reported

Program: **NPDNONMUNIPRCS**

Program Category1: **NPDESWW** Program Category2: **NPDESWW**

Of Programs:

WDID: Not reported Reg Measure Id: 132813 **NPDES Permits** Reg Measure Type:

Direction Distance

Elevation Site Database(s) EPA ID Number

PITTSBURG WATER TREATMENT PLNT (Continued)

S105091658

EDR ID Number

Region: 2

Order #: R2-2003-0062
Npdes# CA#: CAG382001
Major-Minor: Minor
Npdes Type: OTH
Reclamation: Not reported
Dredge Fill Fee: Not reported

301H: Ν Application Fee Amt Received: 2900 Status: Historical 04/01/2010 Status Date: 06/18/2003 Effective Date: Expiration/Review Date: 02/28/2010 Termination Date: Not reported WDR Review - Amend: Not reported WDR Review - Revise/Renew: Not reported WDR Review - Rescind: Not reported WDR Review - No Action Required: Not reported WDR Review - Pending: Not reported WDR Review - Planned: Not reported

Status Enrollee: N Individual/General: G

Fee Code: Not reported Direction/Voice: **Passive** Enforcement Id(EID): 326102 2 Region: Order / Resolution Number: 2003-0062 Enforcement Action Type: Notice of Violation Effective Date: 05/31/2007 Adoption/Issuance Date: 05/31/2007 Achieve Date: Not reported Termination Date: Not reported

Title: Enforcement - NOV

Description: NOV for failure to submit Annual report

Not reported

Not reported Historical

Program: NPDNONMUNIPRCS

Latest Milestone Completion Date: Not reported

Of Programs1: 1
Total Assessment Amount: 0
Initial Assessed Amount: 0
Liability \$ Amount: 0
Project \$ Amount: 0
Liability \$ Paid: 0
Project \$ Completed: 0
Total \$ Paid/Completed Amount: 0

CONTRA COSTA CO. SITE LIST:

ACL Issuance Date:

EPL Issuance Date:

Status:

Name: CITY OF PITTSBURG WATER TREATMENT PLANT

Address: 300 OLYMPIA DR
City: PITTSBURG
Facility ID: FA0032667

Billing Status: INACTIVE, NON-BILLABLE
Program Status: CONTRA COSTA CO. SITE LIST
Program/Elements: UNDERGROUND STORAGE TANK SITE

Region: CONTRA COSTA

Direction Distance

Elevation Site Database(s) EPA ID Number

PITTSBURG WATER TREATMENT PLNT (Continued)

S105091658

EDR ID Number

Cupa Number: 770113 CERS ID: 10008526

Name: CITY OF PITTSBURG WATER TREATMENT PLANT

Address: 300 OLYMPIA DR
City: PITTSBURG
Facility ID: FA0032667
Billing Status: ACTIVE, BILLABLE

Program Status: CONTRA COSTA CO. SITE LIST

Program/Elements: CALARP RMP Region: CONTRA COSTA

Cupa Number: 770113 CERS ID: 10008526

Name: CITY OF PITTSBURG WATER TREATMENT PLANT

Address: 300 OLYMPIA DR
City: PITTSBURG
Facility ID: FA0032667
Billing Status: ACTIVE, BILLABLE

Program Status: CONTRA COSTA CO. SITE LIST

Program/Elements: CALARP: UNANNOUNCED INSPECTION PROGRAM

Region: CONTRA COSTA

Cupa Number: 770113 CERS ID: 10008526

Name: CITY OF PITTSBURG WATER TREATMENT PLANT

Address: 300 OLYMPIA DR
City: PITTSBURG
Facility ID: FA0032667
Billing Status: ACTIVE, BILLABLE

Program Status: CONTRA COSTA CO. SITE LIST

Program/Elements: HMBP: >250K-500K LBS, 0-19 EMPLOYEES

Region: CONTRA COSTA

Cupa Number: 770113 CERS ID: 10008526

Name: CITY OF PITTSBURG WATER TREATMENT PLANT

Address: 300 OLYMPIA DR
City: PITTSBURG
Facility ID: FA0032667
Billing Status: ACTIVE, BILLABLE

Program Status: CONTRA COSTA CO. SITE LIST Program/Elements: HWG: LESS THAN 5 TONS/YEAR

Region: CONTRA COSTA

Cupa Number: 770113 CERS ID: 10008526

WDS:

Name: PITTSBURG WATER TREATMENT PLAN

Address: 300 Olympia Dr City: PITTSBURG

Facility ID: San Francisco Bay 071240001

Facility Type: Municipal/Domestic - Facility that treats sewage or a mixture of

predominantly sewage and other waste from districts, municipalities, communities, hospitals, schools, and publicly or privately owned systems (excluding individual subsurface leaching systems disposing of

less than 1,000 gallons per day).

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

PITTSBURG WATER TREATMENT PLNT (Continued)

S105091658

Facility Status: Active - Any facility with a continuous or seasonal discharge that is

under Waste Discharge Requirements.

NPDES Number: CAG382001 The 1st 2 characters designate the state. The remaining 7

are assigned by the Regional Board

Subregion:

Facility Telephone: 9252526966 Facility Contact: Walter C. Pease CITY OF PITTSBURG Agency Name: Agency Address: 65 Civic Avenue Agency City, St, Zip: Pittsburg 94565 Agency Contact: Walter C. Pease Agency Telephone: 9252526966

Agency Type: City SIC Code:

SIC Code 2: Not reported Primary Waste Type: Not reported Not reported Primary Waste: Waste Type2: Not reported Waste2: Not reported Primary Waste Type: Not reported Secondary Waste: Not reported Secondary Waste Type: Not reported

Design Flow: Baseline Flow:

Reclamation: Not reported POTW: Not reported

Treat To Water:

Not reported Complexity:

CIWQS:

TTWQ:

Name: PITTSBURG WTP PHASE 1A

Address: 300 OLYMPIA DR City, State, Zip: PITTSBURG, CA 94565

Agency: City of Pittsburg

Agency Address: 65 Civic Avenue, Pittsburg, CA 94565 Place/Project Type: Construction - Utility: Water Treatment Plant

Not reported

SIC/NAICS: Not reported Region: Program: **CONSTW** Regulatory Measure Status: Terminated

Regulatory Measure Type: Storm water construction Order Number: 2009-0009-DWQ WDID: 2 07C371715 NPDES Number: CAS000002 Adoption Date: Not reported 12/15/2014 Effective Date: Termination Date: 04/12/2016 Expiration/Review Date: Not reported Not reported Design Flow: Major/Minor: Not reported Complexity: Not reported

Enforcement Actions within 5 years: 0 Violations within 5 years:

Latitude: 38.006924 Longitude: -121.905058

Direction Distance

Elevation Site Database(s) EPA ID Number

PITTSBURG WATER TREATMENT PLNT (Continued)

S105091658

EDR ID Number

Name: PITTSBURG WATER TREATMENT PLANT

Address: 300 OLYMPIA

City,State,Zip: PITTSBURG, CA 94565

Agency: Pittsburg City

Agency Address: 65 Civic Avenue, Pittsburg, CA 94565

Place/Project Type: Water Treatment Plant

SIC/NAICS: Not reported

Region: 2

Program: NPDNONMUNIPRCS

Regulatory Measure Status: Historical Regulatory Measure Type: Enrollee Order Number: R2-2009-0033 WDID: 2 071240002 NPDES Number: CAG382001 Adoption Date: 04/15/2010 Effective Date: 07/16/2010 Termination Date: 11/16/2015 Expiration/Review Date: 02/28/2015 Design Flow: Not reported Major/Minor: Minor Complexity: В TTWQ: 2 Enforcement Actions within 5 years: 0 Violations within 5 years:

Latitude: 38.039381 Longitude: -121.907936

CERS:

Name: CITY OF PITTSBURG WATER TREATMENT PLANT

Address: 300 OLYMPIA DR
City,State,Zip: PITTSBURG, CA 94565

Site ID: 19813 CERS ID: 10008526

CERS Description: Chemical Storage Facilities

Violations:

Site ID: 19813

Site Name: City of Pittsburg Water Treatment Plant

Violation Date: 07-07-2016

Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95,

Section(s) Multiple

Violation Description: Business Plan Program - Administration/Documentation - General

Violation Notes: Returned to compliance on 08/08/2016.

Violation Division: Contra Costa County Health Services Department

Violation Program: HMRRP Violation Source: CERS,

Site ID: 19813

Site Name: City of Pittsburg Water Treatment Plant

Violation Date: 06-29-2017

Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95,

Section(s) Multiple

Violation Description: Business Plan Program - Administration/Documentation - General

Violation Notes: Returned to compliance on 07/26/2017.

Violation Division: Contra Costa County Health Services Department

Violation Program: HMRRP Violation Source: CERS,

Direction Distance

Elevation Site Database(s) EPA ID Number

PITTSBURG WATER TREATMENT PLNT (Continued)

S105091658

EDR ID Number

Site ID: 19813

Site Name: City of Pittsburg Water Treatment Plant

Violation Date: 06-24-2014

Citation: HSC 6.7 Multiple Sections - California Health and Safety Code, Chapter

6.7, Section(s) Multiple Sections

Violation Description: UST Program - Administration/Documentation - General

Violation Notes: Returned to compliance on 06/25/2014.

Violation Division: Contra Costa County Health Services Department

Violation Program: UST Violation Source: CERS,

Site ID: 19813

Site Name: City of Pittsburg Water Treatment Plant

Violation Date: 07-10-2015

Citation: HSC 6.5 Multiple Sections - California Health and Safety Code, Chapter

6.5, Section(s) Multiple Sections

Violation Description: Haz Waste Generator Program - Operations/Maintenance - General

Violation Notes: Returned to compliance on 08/10/2015.

Violation Division: Contra Costa County Health Services Department

Violation Program: HW Violation Source: CERS,

Site ID: 19813

Site Name: City of Pittsburg Water Treatment Plant

Violation Date: 06-24-2014

Citation: HSC 6.67 Multiple - California Health and Safety Code, Chapter 6.67,

Section(s) Multiple

Violation Description: Haz Waste Generator Program - Administration/Documentation - General

Violation Notes: Returned to compliance on 06/25/2014.

Violation Division: Contra Costa County Health Services Department

Violation Program: HW
Violation Source: CERS,
Site ID: 19813

Site Name: City of Pittsburg Water Treatment Plant

Violation Date: 07-14-2014

Citation: HSC 6.5 Multiple Sections - California Health and Safety Code, Chapter

6.5, Section(s) Multiple Sections

Violation Description: Haz Waste Generator Program - Operations/Maintenance - General

Violation Notes: Returned to compliance on 07/16/2014.

Violation Division: Contra Costa County Health Services Department

Violation Program: HW Violation Source: CERS,

Site ID: 19813

Site Name: City of Pittsburg Water Treatment Plant

Violation Date: 05-09-2013

Citation: HSC 6.67 Multiple - California Health and Safety Code, Chapter 6.67,

Section(s) Multiple

Violation Description: Haz Waste Generator Program - Operations/Maintenance - General

Violation Notes: Returned to compliance on 06/11/2013.

Violation Division: Contra Costa County Health Services Department

Violation Program: HW
Violation Source: CERS,

Site ID: 19813

Site Name: City of Pittsburg Water Treatment Plant

Direction Distance

Elevation Site Database(s) EPA ID Number

PITTSBURG WATER TREATMENT PLNT (Continued)

S105091658

EDR ID Number

Violation Date: 07-10-2015

Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95,

Section(s) Multiple

Violation Description: Business Plan Program - Training - General Violation Notes: Returned to compliance on 08/24/2015.

Violation Division: Contra Costa County Health Services Department

Violation Program: HMRRP Violation Source: CERS,

Site ID: 19813

Site Name: City of Pittsburg Water Treatment Plant

Violation Date: 05-09-2013

Citation: HSC 6.67 Multiple - California Health and Safety Code, Chapter 6.67,

Section(s) Multiple

Violation Description: Haz Waste Generator Program - Operations/Maintenance - General

Violation Notes: Returned to compliance on 07/16/2014.

Violation Division: Contra Costa County Health Services Department

Violation Program: HW
Violation Source: CERS,

Site ID: 19813

Site Name: City of Pittsburg Water Treatment Plant

Violation Date: 07-10-2015 Citation: Un-Specified

Violation Description: UST Program - Training - For use of Local Ordinance only.

Violation Notes: Returned to compliance on 07/10/2015.

Violation Division: Contra Costa County Health Services Department

Violation Program: UST Violation Source: CERS,

Site ID: 19813

Site Name: City of Pittsburg Water Treatment Plant

Violation Date: 07-10-2015

Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95,

Section(s) Multiple

Violation Description: Business Plan Program - Administration/Documentation - General

Violation Notes: Returned to compliance on 08/18/2015.

Violation Division: Contra Costa County Health Services Department

Violation Program: HMRRP Violation Source: CERS,

Site ID: 19813

Site Name: City of Pittsburg Water Treatment Plant

Violation Date: 03-25-2015 Citation: Un-Specified

Violation Description: UST Program - Administration/Documentation - For use of Local

Ordinance only

Violation Notes: Returned to compliance on 04/07/2015.

Violation Division: Contra Costa County Health Services Department

Violation Program: UST Violation Source: CERS,

Evaluation:

Eval General Type: Other/Unknown
Eval Date: 03-25-2015
Violations Found: Yes

Eval Type: Other, not routine, done by local agency

Map ID MAP FINDINGS
Direction

Direction

Elevation Site Database(s) EPA ID Number

PITTSBURG WATER TREATMENT PLNT (Continued)

Eval Notes: Not reported

Eval Division: Contra Costa County Health Services Department

Eval Program: UST Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection

Eval Date: 05-08-2017 Violations Found: No

Eval Type: Routine done by local agency

Eval Notes: Not reported

Eval Division: Contra Costa County Health Services Department

Eval Program: CalARP Eval Source: CERS,

Eval General Type: Other/Unknown Eval Date: 05-09-2013

Violations Found: No

Eval Type: Other, not routine, done by local agency

Eval Notes: Not reported

Eval Division: Contra Costa County Health Services Department

Eval Program: UST Eval Source: CERS,

Eval General Type: Other/Unknown Eval Date: 06-24-2014

Violations Found: Yes

Eval Type: Other, not routine, done by local agency

Eval Notes: Not reported

Eval Division: Contra Costa County Health Services Department

Eval Program: HW Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection

Eval Date: 07-14-2014

Violations Found: No

Eval Type: Routine done by local agency

Eval Notes: Not reported

Eval Division: Contra Costa County Health Services Department

Eval Program: HMRRP Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection

Eval Date: 12-18-2020

Violations Found: No

Eval Type: Routine done by local agency

Eval Notes: Not reported

Eval Division: Contra Costa County Health Services Department

Eval Program: HMRRP Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection

Eval Date: 12-18-2020 Violations Found: No

Eval Type: Routine done by local agency

Eval Notes: Not reported

Eval Division: Contra Costa County Health Services Department

Eval Program: HW

EDR ID Number

S105091658

Direction Distance

Elevation Site Database(s) EPA ID Number

PITTSBURG WATER TREATMENT PLNT (Continued)

S105091658

EDR ID Number

Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection

Eval Date: 06-01-2017 Violations Found: No

Eval Type: Routine done by local agency

Eval Notes: Not reported

Eval Division: Contra Costa County Health Services Department

Eval Program: CalARP Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection

Eval Date: 06-09-2014

Violations Found: No

Eval Type: Routine done by local agency

Eval Notes: Not reported

Eval Division: Contra Costa County Health Services Department

Eval Program: CalARP Eval Source: CERS,

Eval General Type: Other/Unknown Eval Date: 06-24-2014

Violations Found:

Eval Type: Other, not routine, done by local agency

Eval Notes: Not reported

Eval Division: Contra Costa County Health Services Department

Eval Program: UST Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection

Eval Date: 06-29-2017

Violations Found: No

Eval Type: Routine done by local agency

Eval Notes: Not reported

Eval Division: Contra Costa County Health Services Department

Eval Program: HW Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection

Eval Date: 07-07-2016

Violations Found: No

Eval Type: Routine done by local agency

Eval Notes: Not reported

Eval Division: Contra Costa County Health Services Department

Eval Program: HW Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection

Eval Date: 07-10-2015 Violations Found: Yes

riolations Found.

Eval Type: Routine done by local agency

Eval Notes: Not reported

Eval Division: Contra Costa County Health Services Department

Eval Program: UST Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection

Direction Distance

Elevation Site Database(s) **EPA ID Number**

PITTSBURG WATER TREATMENT PLNT (Continued)

Eval Date: 07-10-2018

Violations Found: No

Eval Type: Routine done by local agency

Eval Notes: Not reported

Eval Division: Contra Costa County Health Services Department

Eval Program: Eval Source: CERS,

Eval General Type: Other/Unknown Eval Date: 07-17-2014

Violations Found: Nο

Eval Type: Other, not routine, done by local agency

Eval Notes: Not reported

Eval Division: Contra Costa County Health Services Department

Eval Program: Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection

Eval Date: 07-07-2016 Violations Found: Yes

Eval Type: Routine done by local agency

Eval Notes: Not reported

Eval Division: Contra Costa County Health Services Department

Eval Program: **HMRRP** Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection

Eval Date: 07-10-2015 Violations Found: Yes

Eval Type: Routine done by local agency

Eval Notes: Not reported

Eval Division: Contra Costa County Health Services Department

Eval Program: **Eval Source:** CERS,

Other/Unknown Eval General Type: 08-08-2016 Eval Date: No

Violations Found:

Eval Type: Other, not routine, done by local agency

Eval Notes: Not reported

Eval Division: Contra Costa County Health Services Department

Eval Program: **HMRRP** Eval Source: CERS,

Other/Unknown Eval General Type: 08-27-2015 Eval Date:

Violations Found: No

Eval Type: Other, not routine, done by local agency

Eval Notes: Not reported

Eval Division: Contra Costa County Health Services Department

Eval Program: **HMRRP** Eval Source: CERS,

Eval General Type: Other/Unknown Eval Date: 05-09-2013

Violations Found: No

Eval Type: Other, not routine, done by local agency **EDR ID Number**

S105091658

Map ID MAP FINDINGS
Direction

Distance

Elevation Site Database(s) EPA ID Number

PITTSBURG WATER TREATMENT PLNT (Continued)

Eval Notes: Not reported

Eval Division: Contra Costa County Health Services Department

Eval Program: HMRRP Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 05-09-2013
Violations Found: Yes

Eval Type: Other, not routine, done by local agency

Eval Notes: Not reported

Eval Division: Contra Costa County Health Services Department

Eval Program: HW Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection

Eval Date: 05-11-2020

Violations Found: No

Eval Type: Routine done by local agency

Eval Notes: Not reported

Eval Division: Contra Costa County Health Services Department

Eval Program: CalARP Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection

Eval Date: 06-29-2017

Violations Found: Yes

Eval Type: Routine done by local agency

Eval Notes: Not reported

Eval Division: Contra Costa County Health Services Department

Eval Program: HMRRP Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection

Eval Date: 07-10-2015 Violations Found: Yes

Eval Type: Routine done by local agency

Eval Notes: Not reported

Eval Division: Contra Costa County Health Services Department

Eval Program: HMRRP Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection

Eval Date: 07-10-2018

Violations Found: No

Eval Type: Routine done by local agency

Eval Notes: Not reported

Eval Division: Contra Costa County Health Services Department

Eval Program: HMRRP Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection

Eval Date: 07-14-2014

Violations Found: No

Eval Type: Routine done by local agency

Eval Notes: Not reported

Eval Division: Contra Costa County Health Services Department

Eval Program: US1

EDR ID Number

S105091658

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

PITTSBURG WATER TREATMENT PLNT (Continued)

S105091658

Eval Source: CERS.

Eval General Type: Compliance Evaluation Inspection

Eval Date: 07-14-2014 Violations Found: Yes

Eval Type: Routine done by local agency

Eval Notes: Not reported

Eval Division: Contra Costa County Health Services Department

Eval Program: HW Eval Source: CERS,

Other/Unknown Eval General Type: Eval Date: 07-27-2017

Violations Found:

Eval Type: Other, not routine, done by local agency

Eval Notes: Not reported

Eval Division: Contra Costa County Health Services Department

Eval Program: **HMRRP** Eval Source: CERS,

Eval General Type: Other/Unknown Eval Date: 08-27-2015 Violations Found:

Eval Type: Other, not routine, done by local agency

Eval Notes: Not reported

Eval Division: Contra Costa County Health Services Department

Eval Program: HW **Eval Source:** CERS.

Eval General Type: Other/Unknown 11-28-2018 Eval Date:

Violations Found:

Other, not routine, done by local agency Eval Type:

Eval Notes: Not reported

Eval Division: Contra Costa County Health Services Department

Eval Program: **HMRRP** Eval Source: CERS.

Enforcement Action:

Site ID: 19813

City of Pittsburg Water Treatment Plant Site Name:

Site Address: 300 OLYMPIA DR Site City: **PITTSBURG** Site Zip: 94565 Enf Action Date: 03-25-2015

Enf Action Type: Notice of Violation (Unified Program)

Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection

Enf Action Notes: Not reported

Contra Costa County Health Services Department Enf Action Division:

Enf Action Program: UST Enf Action Source: CERS,

Site ID: 19813

Site Name: City of Pittsburg Water Treatment Plant

300 OLYMPIA DR Site Address: Site City: **PITTSBURG** Site Zip: 94565

Direction Distance

EDR ID Number Elevation Site **EPA ID Number** Database(s)

PITTSBURG WATER TREATMENT PLNT (Continued)

S105091658

Enf Action Date: 05-09-2013

Enf Action Type: Notice of Violation (Unified Program)

Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection

Enf Action Notes: Not reported

Enf Action Division: Contra Costa County Health Services Department

Enf Action Program: HW Enf Action Source: CERS, Site ID:

Site Name: City of Pittsburg Water Treatment Plant

300 OLYMPIA DR Site Address: Site City: **PITTSBURG** Site Zip: 94565 Enf Action Date: 06-24-2014

Enf Action Type: Notice of Violation (Unified Program)

Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection

Enf Action Notes: Not reported

Enf Action Division: Contra Costa County Health Services Department

Enf Action Program: HW CERS, Enf Action Source:

Site ID: 19813

Site Name: City of Pittsburg Water Treatment Plant

Site Address: 300 OLYMPIA DR Site City: **PITTSBURG** Site Zip: 94565 Enf Action Date: 06-24-2014

Enf Action Type: Notice of Violation (Unified Program)

Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection

Enf Action Notes: Not reported

Enf Action Division: Contra Costa County Health Services Department

Enf Action Program: UST Enf Action Source: CERS.

Site ID: 19813

Site Name: City of Pittsburg Water Treatment Plant

300 OLYMPIA DR Site Address: Site City: **PITTSBURG** Site Zip: 94565 Enf Action Date: 06-29-2017

Enf Action Type: Notice of Violation (Unified Program)

Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection

Enf Action Notes: Not reported

Enf Action Division: Contra Costa County Health Services Department

Enf Action Program: **HMRRP** Enf Action Source: CERS.

Site ID: 19813

Site Name: City of Pittsburg Water Treatment Plant

Site Address: 300 OLYMPIA DR Site City: **PITTSBURG** Site Zip: 94565 Enf Action Date: 07-07-2016

Enf Action Type: Notice of Violation (Unified Program)

Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection

Enf Action Notes: Not reported

Enf Action Division: Contra Costa County Health Services Department

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

PITTSBURG WATER TREATMENT PLNT (Continued)

S105091658

Enf Action Program: **HMRRP** Enf Action Source: CERS,

Site ID: 19813

Site Name: City of Pittsburg Water Treatment Plant 300 OLYMPIA DR Site Address:

PITTSBURG Site City: Site Zip: 94565 Enf Action Date: 07-10-2015

Enf Action Type: Notice of Violation (Unified Program)

Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection

Enf Action Notes: Not reported

Enf Action Division: Contra Costa County Health Services Department

Enf Action Program: **HMRRP** Enf Action Source: CERS,

Site ID: 19813

Site Name: City of Pittsburg Water Treatment Plant

Site Address: 300 OLYMPIA DR **PITTSBURG** Site City: Site Zip: 94565 Enf Action Date: 07-10-2015

Enf Action Type: Notice of Violation (Unified Program)

Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection

Enf Action Notes: Not reported

Contra Costa County Health Services Department Enf Action Division:

Enf Action Program: HW Enf Action Source: CERS. Site ID: 19813

Site Name:

City of Pittsburg Water Treatment Plant

Site Address: 300 OLYMPIA DR Site City: **PITTSBURG** Site Zip: 94565 07-10-2015 Enf Action Date:

Enf Action Type: Notice of Violation (Unified Program)

Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection

Enf Action Notes: Not reported

Enf Action Division: Contra Costa County Health Services Department

Enf Action Program: UST Enf Action Source: CERS,

Site ID:

City of Pittsburg Water Treatment Plant Site Name:

300 OLYMPIA DR Site Address: Site City: **PITTSBURG** Site Zip: 94565 Enf Action Date: 07-14-2014

Enf Action Type: Notice of Violation (Unified Program)

Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection

Enf Action Notes: Not reported

Enf Action Division: Contra Costa County Health Services Department

Enf Action Program: HW Enf Action Source: CERS,

Coordinates:

Site ID: 19813

Direction Distance Elevation

nce EDR ID Number ation Site Database(s) EPA ID Number

PITTSBURG WATER TREATMENT PLNT (Continued)

S105091658

Facility Name: City of Pittsburg Water Treatment Plant

Env Int Type Code:

Program ID:

Coord Name:

Ref Point Type Desc:

Latitude:

Longitude:

CalARP

10008526

Not reported

Unknown,

38.006847

-121.905014

Affiliation:

Affiliation Type Desc: Environmental Contact
Entity Name: Zuna Barker Portillo
Entity Title: Not reported
Affiliation Address: 65 civic avenue
Affiliation City: Pittsburg

Affiliation State: CA

Affiliation Country: Not reported Affiliation Zip: 94565

Affiliation Phone: ,

Affiliation Type Desc: Facility Mailing Address

Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 65 Civic Avenue
Affiliation City: Pittsburg
Affiliation State: CA

Affiliation Country: Not reported Affiliation Zip: 94565
Affiliation Phone: ...

Affiliation Type Desc:

Entity Name:
City of Pittsburg
Entity Title:
Not reported
Affiliation Address:
Affiliation City:
Pittsburg
Affiliation State:
CA

Affiliation State.

Affiliation Country:

Affiliation Zip:

Affiliation Phone:

United States
94565

(925) 252-4026,

Affiliation Type Desc: Operator Entity Name: City of Pittsburg **Entity Title:** Not reported Affiliation Address: Not reported Not reported Affiliation City: Affiliation State: Not reported Affiliation Country: Not reported Affiliation Zip: Not reported Affiliation Phone: (925) 252-4026,

Affiliation Type Desc: **Document Preparer** Entity Name: Laura Wright **Entity Title:** Not reported Affiliation Address: Not reported Not reported Affiliation City: Not reported Affiliation State: Affiliation Country: Not reported Affiliation Zip: Not reported

Direction Distance Elevation

vation Site Database(s) EPA ID Number

PITTSBURG WATER TREATMENT PLNT (Continued)

S105091658

EDR ID Number

Affiliation Phone:

Affiliation Type Desc: Identification Signer
Entity Name: Richard Abono

Entity Title: Director of Public Works

Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported

Affiliation Phone:

Affiliation Type Desc: CUPA District

Entity Name: Contra Costa County Health Services Department

Entity Title: Not reported

Affiliation Address: 4585 Pacheco BlvdSuite 100

Affiliation City: Martinez
Affiliation State: CA

Affiliation Country: Not reported Affiliation Zip: 94553

Affiliation Phone: (925) 655-3200,

Affiliation Type Desc: Parent Corporation Entity Name: City of Pittsburg Entity Title: Not reported Not reported Affiliation Address: Affiliation City: Not reported Affiliation State: Not reported Affiliation Country: Not reported Not reported Affiliation Zip:

Affiliation Phone:

Affiliation Type Desc: Property Owner
Entity Name: City of Pittsburg
Entity Title: Not reported
Affiliation Address: 65 Civic Avenue
Affiliation City: Pittsburg
Affiliation State: CA

Affiliation Country: United States
Affiliation Zip: 94565

Affiliation Phone: (925) 252-4850,

Name: PITTSBURG WATER TREATMENT PLANT

Address: 300 OLYMPIA

City, State, Zip: PITTSBURG, CA 94565

 Site ID:
 352504

 CERS ID:
 250475

CERS Description: NPDES Wastewater and Stormwater

Enforcement Action:

Site ID: 352504

Site Name: Pittsburg Water Treatment Plant

 Site Address:
 300 OLYMPIA

 Site City:
 PITTSBURG

 Site Zip:
 94565

 Enf Action Date:
 05-31-2007

Enf Action Type: Notice of Violation (Water)

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

PITTSBURG WATER TREATMENT PLNT (Continued)

S105091658

UST U004343649

N/A

Enf Action Description: Notice of Violation Letter (Informal)

Enf Action Notes: Not reported Water Boards Enf Action Division: UNSPEC Enf Action Program: Enf Action Source: CIWQS,

CITY OF PITTSBURG WATER TREATMENT PLANT E15

SSE 300 OLYMPIA DR

1/8-1/4 PITTSBURG, CA 94565

0.241 mi.

1271 ft. Site 3 of 4 in cluster E

Relative: UST:

Higher CITY OF PITTSBURG WATER TREATMENT PLANT Name:

Address: 300 OLYMPIA DR Actual: City, State, Zip: PITTSBURG, CA 94565 153 ft.

Facility ID: 07-000-770113

Permitting Agency: Contra Costa County Health Services Department

CERSID: 10008526 Latitude: 38.0068510 Longitude: -121.9050290 Owner type: Local Agency/District

Facility type: Other Num of inuse ust: Not reported

Num of closed ust: 2 Num of oos ust: 0 Epa region: 9 Tribal lands: No

Tank owner name: City of Pittsburg Tank owner mailing address: 65 Civic Avenue Tank owner mailing city: Pittsburg Tank owner mailing zip: 94565 Tank owner mailing state: CA

City of Pittsburg Water Treatment Plant Tank operator name:

Tank operator mailing address:65 Civic Avenue Tank operator mailing city: Pittsburg 94565 Tank operator mailing zip: Tank operator mailing state: CA

Tankidnumber: 770113-5

Tank status: UST Permanent Closure on Site

Tank configuration: Stand Alone Tank Tank closure date: 6/16/2016 12:00:00 AM Tank installation date: 1/1/1990 12:00:00 AM

Tank num of compartments: 1 Tank contents: Diesel Tank capacity gallons: 2385 Double Wall Tank type: Tank pc construction: **Fiberglass** Tank pwpiping construction: Not reported Tank piping type: Conventional Suction Tank piping construction: Double Walled

Tank sacrificial anode: No Tank cp impressed current: No Tank cp shutoff: No

Tank alarms: Yes Tank ball float: No Tank spill bucket: Yes

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

CITY OF PITTSBURG WATER TREATMENT PLANT (Continued)

U004343649

Name: CITY OF PITTSBURG WATER TREATMENT PLANT

Address: 300 OLYMPIA DR City,State,Zip: PITTSBURG, CA 94565 Facility ID: 07-000-770113

Permitting Agency: Contra Costa County Health Services Department

CERSID: 10008526 Latitude: 38.0068510 Longitude: -121.9050290 Owner type: Local Agency/District

Facility type: Other Num of inuse ust: Not reported

Num of closed ust: 2 Num of oos ust: 0 Epa region: 9 Tribal lands: No

Tank owner name: City of Pittsburg Tank owner mailing address: 65 Civic Avenue Tank owner mailing city: Pittsburg Tank owner mailing zip: 94565 Tank owner mailing state: CA

Tank operator name: City of Pittsburg Water Treatment Plant

Tank operator mailing address:65 Civic Avenue Tank operator mailing city: Pittsburg Tank operator mailing zip: 94565 Tank operator mailing state: CA Tankidnumber: 770113-4

Tank status: UST Permanent Closure on Site

Tank configuration: Stand Alone Tank 7/27/2016 12:00:00 AM Tank closure date: 1/1/1988 12:00:00 AM Tank installation date:

Tank num of compartments: 1 Tank contents: Diesel 2367 Tank capacity gallons: Tank type: Double Wall Tank pc construction: **Fiberglass** Not reported Tank pwpiping construction: Conventional Suction Tank piping type:

Tank piping construction: **Double Walled**

Tank sacrificial anode: No Tank cp impressed current: No Tank cp shutoff: No Tank alarms: Yes Tank ball float: No Tank spill bucket: Yes

E16 PITTSBURG WATER FILTRATION PLT

300 OLYMPIA DR 1/8-1/4 PITTSBURG, CA 94565

0.241 mi.

SSF

1271 ft. Site 4 of 4 in cluster E

Relative: UST:

Higher PITTSBURG WATER FILTRATION PLT Name:

Address: 300 OLYMPIA DR Actual: City, State, Zip: PITTSBURG, CA 94565 153 ft.

> Facility ID: 770113

CONTRA COSTA COUNTY Permitting Agency:

CERSID: Not reported U004350093

N/A

UST

Direction Distance

Elevation Site Database(s) EPA ID Number

PITTSBURG WATER FILTRATION PLT (Continued)

U004350093

EDR ID Number

Latitude: 38.008197 Longitude: -121.903666 Not reported Owner type: Not reported Facility type: Num of inuse ust: Not reported Num of closed ust: Not reported Num of oos ust: Not reported Epa region: Not reported Tribal lands: Not reported Tank owner name: Not reported Tank owner mailing address: Not reported Tank owner mailing city: Not reported Tank owner mailing zip: Not reported Tank owner mailing state: Not reported Tank operator name: Not reported Tank operator mailing address:Not reported Tank operator mailing city: Not reported Tank operator mailing zip: Not reported Tank operator mailing state: Not reported Tankidnumber: Not reported Tank status: Not reported Tank configuration: Not reported Tank closure date: Not reported Tank installation date: Not reported Tank num of compartments: Not reported Not reported Tank contents: Tank capacity gallons: Not reported Tank type: Not reported Tank pc construction: Not reported Not reported Tank pwpiping construction: Tank piping type: Not reported Tank piping construction: Not reported Tank sacrificial anode: Not reported Tank cp impressed current: Not reported Tank cp shutoff: Not reported Tank alarms: Not reported Tank ball float: Not reported

17 CAMP STONEMAN IR-MMRP (J09CA0773)

Tank spill bucket:

ESE RAILROAD AVENUE 1/4-1/2 PITTSBURG, CA 94563

0.472 mi. 2490 ft.

Relative: RESPONSE:

Higher Name: CAMP STONEMAN IR-MMRP (J09CA0773)

Not reported

Actual: Address: RAILROAD AVENUE 88 ft. City,State,Zip: PITTSBURG, CA 94563

Facility ID: 71000026 Site Type: State Response

Site Type Detail: FUDS
Acres: 2840
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP

Lead Agency Description: DTSC - Site Cleanup Program

Project Manager: Carrie Tatoian-Cain

Supervisor: Dan Ward

S105791156

N/A

RESPONSE

ENVIROSTOR

Direction Distance

Elevation Site Database(s) EPA ID Number

CAMP STONEMAN IR-MMRP (J09CA0773) (Continued)

S105791156

EDR ID Number

Division Branch: Engineering & Special Projects

Site Code: 204116
Site Mgmt. Req.: NONE SPECIFIED

Assembly: 14 Senate: 07

Special Program Status: Not reported
Status: No Further Action
Status Date: 07/12/2013
Restricted Use: NO
Funding: DERA

Restricted Use: NO
Funding: DERA
Latitude: 38.00914
Longitude: -121.9008
APN: NONE SPECIFIED

Past Use: FIRING RANGE - SMALL ARMS ETC...

Potential COC : Munitions Debris (MD Confirmed COC: Munitions Debris (MD

Potential Description: SOIL
Alias Name: J09CA0773
Alias Type: Alternate Name
Alias Name: T0601382793

Alias Type: GeoTracker Global ID

Alias Name: 200633

Alias Type: Project Code (Site Code)

Alias Name: 204116

Alias Type: Project Code (Site Code)

Alias Name: 71000026

Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 06/30/2010

Comments: DTSC responded to public inquiries re activities on/near Camp

Stoneman.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: *Site Inspection (SI) Workplan

Completed Date: 12/29/2008

Comments: DTSC concurred with the methodology specified in the SI Work Plan.

DTSC emphasized its concern regarding the investigation of the area

of the school site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 06/25/2008

Comments: DTSC concurrence with the TPP Memorandum was given as the activities

specified in the memorandum appear to be adequate for the

investigation of the site.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Preliminary Assessment/Site Inspection Report (PA/SI)

Completed Date: 09/21/2009

Comments: DTSC concurred with the findings of the SI Report with two

exceptions. DTSC did not concur that further MC sampling was not

Direction Distance

Elevation Site Database(s) EPA ID Number

CAMP STONEMAN IR-MMRP (J09CA0773) (Continued)

S105791156

EDR ID Number

needed in the Training Mortar Recovery Area. DTSC did not concur with

the NDAI recommendatoin for the 1,000-inch rifle range.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Inventory Project Report (INPR)

Completed Date: 12/23/1993

Comments: Informational copy provided by USACE. DTSC had no input into the

document that was completed in 1993.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: No Department of Defense Action Indicated (NDAI)

Completed Date: 03/12/2013

Comments: An NDAI was submitted for the HTRW site and a potion of the MMRP

site. DTSC staff concurred on the recommendation in NDAI of not further DoD action. If more information is discovered about possible

CoC's DTSC or the RWQCB will reopen the site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Date: 09/14/2008
Comments: Not reported

Future Area Name: Not reported Future Sub Area Name: Not reported Future Document Type: Not reported Future Due Date: Not reported Not reported Schedule Area Name: Not reported Schedule Sub Area Name: Schedule Document Type: Not reported Schedule Due Date: Not reported Not reported Schedule Revised Date:

ENVIROSTOR:

Name: CAMP STONEMAN IR-MMRP (J09CA0773)

Address: RAILROAD AVENUE
City,State,Zip: PITTSBURG, CA 94563

Facility ID: 71000026
Status: No Further Action
Status Date: 07/12/2013
Site Code: 204116
Site Type: State Response

Site Type Detailed: FUDS
Acres: 2840
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP

Program Manager: Carrie Tatoian-Cain

Supervisor: Dan Ward

Division Branch: Engineering & Special Projects

Assembly: 14 Senate: 07

Special Program: Not reported

Restricted Use: NO

Site Mgmt Req: NONE SPECIFIED

Direction Distance

Elevation Site Database(s) EPA ID Number

CAMP STONEMAN IR-MMRP (J09CA0773) (Continued)

S105791156

EDR ID Number

Funding: DERA
Latitude: 38.00914
Longitude: -121.9008
APN: NONE SPECIFIED

Past Use: FIRING RANGE - SMALL ARMS ETC...

Potential COC: Munitions Debris (MD Confirmed COC: Munitions Debris (MD Munitions Debris (MD

Potential Description: SOIL

Alias Name: J09CA0773
Alias Type: Alternate Name
Alias Name: T0601382793
Alias Type: GeoTracker Global ID

Alias Name: 200633

Alias Type: Project Code (Site Code)

Alias Name: 204116

Alias Type: Project Code (Site Code)

Alias Name: 71000026

Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 06/30/2010

Comments: DTSC responded to public inquiries re activities on/near Camp

Stoneman.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: *Site Inspection (SI) Workplan

Completed Date: 12/29/2008

Comments: DTSC concurred with the methodology specified in the SI Work Plan.

DTSC emphasized its concern regarding the investigation of the area

of the school site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 06/25/2008

Comments: DTSC concurrence with the TPP Memorandum was given as the activities

specified in the memorandum appear to be adequate for the

investigation of the site.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Preliminary Assessment/Site Inspection Report (PA/SI)

Completed Date: 09/21/2009

Comments: DTSC concurred with the findings of the SI Report with two

exceptions. DTSC did not concur that further MC sampling was not needed in the Training Mortar Recovery Area. DTSC did not concur with

the NDAI recommendatoin for the 1,000-inch rifle range.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Inventory Project Report (INPR)

Completed Date: 12/23/1993

Comments: Informational copy provided by USACE. DTSC had no input into the

document that was completed in 1993.

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

CAMP STONEMAN IR-MMRP (J09CA0773) (Continued)

S105791156

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: No Department of Defense Action Indicated (NDAI)

Completed Date: 03/12/2013

Comments: An NDAI was submitted for the HTRW site and a potion of the MMRP

> site. DTSC staff concurred on the recommendation in NDAI of not further DoD action. If more information is discovered about possible

CoC's DTSC or the RWQCB will reopen the site.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported Correspondence Completed Document Type: 09/14/2008 Completed Date: Comments: Not reported

Future Area Name: Not reported Not reported Future Sub Area Name: Future Document Type: Not reported Future Due Date: Not reported Not reported Schedule Area Name: Schedule Sub Area Name: Not reported Schedule Document Type: Not reported Not reported Schedule Due Date: Schedule Revised Date: Not reported

18 **SERVICE STATION - SAP 135771** RCRA-LQG 1000288659 **ESE** 3737 RAILROAD LUST CAD981402431

PITTSBURG, CA 94565 **CERS HAZ WASTE** 1/2-1 0.881 mi. **HIST UST** 4652 ft. **CERS TANKS FINDS** Relative: Cortese Higher **HIST CORTESE** Actual: Notify 65 134 ft.

CONTRA COSTA CO. SITE LIST CERS

RCRA Listings:

Date Form Received by Agency: 20100603 SERVICE STATION - SAP 135771 Handler Name:

Handler Address: 3737 RAILROAD Handler City, State, Zip: PITTSBURG, CA 94565 EPA ID: CAD981402431 Contact Name: DON F WISDOM Contact Address: P O BOX 3127 Contact City, State, Zip: HOUSTON, TX 77253 Contact Telephone: 713-241-7011 x7011

Contact Fax: Not reported DON.F.WISDOM@SHELL.COM Contact Email:

Contact Title: **RDC** EPA Region: 09 Land Type: Private

Federal Waste Generator Description: Large Quantity Generator

Non-Notifier: Not reported Biennial Report Cycle: 2009 Accessibility: Not reported Active Site Indicator: Handler Activities State District Owner: Not reported

MAP FINDINGS Map ID Direction

Distance

EDR ID Number Elevation Site **EPA ID Number** Database(s)

SERVICE STATION - SAP 135771 (Continued)

1000288659

State District: Not reported Mailing Address: P O BOX 3127 Mailing City, State, Zip: HOUSTON, TX 77253

Owner Name: EQUILON ENT LLC/ DBA SHELL OIL PROD US

Owner Type: Private

Operator Name: EQUILON ENT LLC/ DBA SHELL OIL PROD US

Operator Type: Private Short-Term Generator Activity: No Importer Activity: No Mixed Waste Generator: No Transporter Activity: No Transfer Facility Activity: No Recycler Activity with Storage: No Small Quantity On-Site Burner Exemption: No Smelting Melting and Refining Furnace Exemption: No **Underground Injection Control:** No Off-Site Waste Receipt: Nο Universal Waste Indicator: No Universal Waste Destination Facility: No

Active Site Fed-Reg Treatment Storage and Disposal Facility: Not reported Active Site Converter Treatment storage and Disposal Facility: Not reported Active Site State-Reg Treatment Storage and Disposal Facility: Not reported

No

Active Site State-Reg Handler:

Federal Universal Waste:

Federal Facility Indicator: Not reported

Hazardous Secondary Material Indicator: Ν

Sub-Part K Indicator: Not reported

Commercial TSD Indicator: No

Treatment Storage and Disposal Type: Not reported 2018 GPRA Permit Baseline: Not on the Baseline 2018 GPRA Renewals Baseline: Not on the Baseline Permit Renewals Workload Universe: Not reported Permit Workload Universe: Not reported Permit Progress Universe: Not reported Post-Closure Workload Universe: Not reported Closure Workload Universe: Not reported

202 GPRA Corrective Action Baseline: No Corrective Action Workload Universe: No Subject to Corrective Action Universe: No Non-TSDFs Where RCRA CA has Been Imposed Universe: No TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: No TSDFs Only Subject to CA under Discretionary Auth Universe: No

Corrective Action Priority Ranking: No NCAPS ranking

Environmental Control Indicator: No Institutional Control Indicator: No Human Exposure Controls Indicator: N/A Groundwater Controls Indicator: N/A

Operating TSDF Universe: Not reported Full Enforcement Universe: Not reported

Significant Non-Complier Universe: No Unaddressed Significant Non-Complier Universe: No Addressed Significant Non-Complier Universe: No Significant Non-Complier With a Compliance Schedule Universe: No Financial Assurance Required: Not reported

Handler Date of Last Change: 20101006 Recognized Trader-Importer: No Recognized Trader-Exporter: No

MAP FINDINGS Map ID Direction

Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

SERVICE STATION - SAP 135771 (Continued)

1000288659

Importer of Spent Lead Acid Batteries: No Exporter of Spent Lead Acid Batteries: No Recycler Activity Without Storage: No Manifest Broker: No Sub-Part P Indicator: No

Biennial: List of Years

2009 Year:

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:

Waste Code: D001

Waste Description: **IGNITABLE WASTE**

Waste Code: D018 Waste Description: **BENZENE**

Handler - Owner Operator:

Owner/Operator Indicator: Operator

Owner/Operator Name: EQUILON ENT LLC/ DBA SHELL OIL PROD US

Legal Status: Private Date Became Current: 19980801 Date Ended Current: Not reported Owner/Operator Address: Not reported Not reported Owner/Operator City, State, Zip: Owner/Operator Telephone: Not reported Owner/Operator Telephone Ext: Not reported Owner/Operator Fax: Not reported Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner Owner/Operator Name: EQUILON ENTERPRISES LLC Legal Status: Private Date Became Current: Not reported

Not reported Date Ended Current: Owner/Operator Address: P O BOX 4453

Owner/Operator City, State, Zip: HOUSTON, TX 77210-4453

Owner/Operator Telephone: 713-241-2258 Owner/Operator Telephone Ext: Not reported Owner/Operator Fax: Not reported Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner

Owner/Operator Name: EQUILON ENT LLC/ DBA SHELL OIL PROD US

Legal Status: Private Date Became Current: 19980801 Date Ended Current: Not reported Owner/Operator Address: P O BOX 3127 Owner/Operator City, State, Zip: HOUSTON, TX 77253

Owner/Operator Telephone: Not reported Owner/Operator Telephone Ext: Not reported Not reported Owner/Operator Fax: Owner/Operator Email: Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

SERVICE STATION - SAP 135771 (Continued)

1000288659

EDR ID Number

Historic Generators:

Receive Date: 20100603

Handler Name: SERVICE STATION - SAP 135771

Federal Waste Generator Description: Large Quantity Generator

State District Owner: Not reported

Large Quantity Handler of Universal Waste: No Recognized Trader Importer: No Recognized Trader Exporter: No Spent Lead Acid Battery Importer: No Spent Lead Acid Battery Exporter: No Current Record: Yes

Non Storage Recycler Activity:

Electronic Manifest Broker:

Not reported

Not reported

Receive Date: 19980408

Handler Name: SHELL OIL CO

Federal Waste Generator Description: Small Quantity Generator

State District Owner: Not reported

Large Quantity Handler of Universal Waste: No Recognized Trader Importer: No Recognized Trader Exporter: No Spent Lead Acid Battery Importer: No Spent Lead Acid Battery Exporter: No Current Record: No

Non Storage Recycler Activity: Not reported Electronic Manifest Broker: Not reported

Receive Date: 19900413

Handler Name: SHELL OIL CO 204-6084-0505

Federal Waste Generator Description: Large Quantity Generator

State District Owner: Not reported

Large Quantity Handler of Universal Waste:

Recognized Trader Importer:

No
Recognized Trader Exporter:

No
Spent Lead Acid Battery Importer:

No
Spent Lead Acid Battery Exporter:

No
Current Record:

No

Non Storage Recycler Activity: Not reported Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:

NAICS Code: 4471

NAICS Description: GASOLINE STATIONS

NAICS Code: 44711

NAICS Description: GASOLINE STATIONS WITH CONVENIENCE STORES

Facility Has Received Notices of Violations:

Violations: No Violations Found

Evaluation Action Summary:

Evaluations: No Evaluations Found

Direction Distance

Elevation Site Database(s) EPA ID Number

SERVICE STATION - SAP 135771 (Continued)

1000288659

EDR ID Number

LUST:

Name: SHELL

Address: 3737 RAILROAD AVE City, State, Zip: PITTSBURG, CA 94565

Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)

Case Type: LUST Cleanup Site

Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0601300274

Global Id: T0601300274
Latitude: 38.005587
Longitude: -121.893265

Status: Completed - Case Closed

 Status Date:
 04/21/2004

 Case Worker:
 KEB

 RB Case Number:
 07-0294

Local Agency: CONTRA COSTA COUNTY

File Location: Not reported Local Case Number: 51842
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline Site History: Not reported

LUST:

Global Id: T0601300274

Contact Type: Regional Board Caseworker

Contact Name: KEVIN BROWN

Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)

Address: 1515 CLAY STREET, SUITE 1400

City: OAKLAND

Email: kebrown@waterboards.ca.gov

Phone Number: Not reported

Global Id: T0601300274

Contact Type: Local Agency Caseworker

Contact Name: SUE LOYD

Organization Name: CONTRA COSTA COUNTY Address: 4333 PACHECO BLVD.

City: MARTINEZ

Email: sloyd@hsd.co.contra-costa.ca.us

Phone Number: Not reported

LUST:

 Global Id:
 T0601300274

 Action Type:
 ENFORCEMENT

 Date:
 07/27/1998

 Action:
 13267 Requirement

Global Id: T0601300274
Action Type: ENFORCEMENT
Date: 06/23/1989

Action: Unauthorized Release Form

Global Id: T0601300274
Action Type: RESPONSE
Date: 07/07/2003

Action: Monitoring Report - Quarterly

Global Id: T0601300274

Direction Distance

Elevation Site Database(s) EPA ID Number

SERVICE STATION - SAP 135771 (Continued)

1000288659

EDR ID Number

Action Type: RESPONSE Date: 03/25/2004

Action: Monitoring Report - Quarterly

 Global Id:
 T0601300274

 Action Type:
 RESPONSE

 Date:
 03/13/2003

Action: Monitoring Report - Other

Global Id: T0601300274
Action Type: RESPONSE
Date: 03/27/2002

Action: Other Report / Document

 Global Id:
 T0601300274

 Action Type:
 RESPONSE

 Date:
 03/27/2002

 Action:
 Correspondence

 Global Id:
 T0601300274

 Action Type:
 RESPONSE

 Date:
 08/17/1989

Action: Other Report / Document

Global Id: T0601300274
Action Type: RESPONSE
Date: 01/08/2004

Action: Monitoring Report - Quarterly

 Global Id:
 T0601300274

 Action Type:
 RESPONSE

 Date:
 08/12/1989

Action: Tank Removal Report / UST Sampling Report

Global Id: T0601300274
Action Type: RESPONSE
Date: 03/08/1989

Action: Other Report / Document

 Global Id:
 T0601300274

 Action Type:
 RESPONSE

 Date:
 06/09/1989

 Action:
 Correspondence

Global Id: T0601300274
Action Type: Other
Date: 02/01/1989
Action: Leak Discovery

 Global Id:
 T0601300274

 Action Type:
 ENFORCEMENT

 Date:
 07/27/1998

 Action:
 Other Report

Global Id: T0601300274
Action Type: Other
Date: 06/09/1989

Direction Distance

Elevation Site Database(s) EPA ID Number

SERVICE STATION - SAP 135771 (Continued)

1000288659

EDR ID Number

Action: Leak Reported

Global Id: T0601300274
Action Type: RESPONSE
Date: 03/31/1989

Action: Other Report / Document

 Global Id:
 T0601300274

 Action Type:
 RESPONSE

 Date:
 03/29/1989

 Action:
 Correspondence

 Global Id:
 T0601300274

 Action Type:
 RESPONSE

 Date:
 05/19/1995

Action: Other Report / Document

 Global Id:
 T0601300274

 Action Type:
 RESPONSE

 Date:
 03/30/1989

 Action:
 Correspondence

 Global Id:
 T0601300274

 Action Type:
 ENFORCEMENT

 Date:
 06/06/1989

Action: Unauthorized Release Form

 Global Id:
 T0601300274

 Action Type:
 Other

 Date:
 05/23/1989

 Action:
 Leak Stopped

 Global Id:
 T0601300274

 Action Type:
 RESPONSE

 Date:
 04/09/2009

Action: Soil and Water Investigation Report

 Global Id:
 T0601300274

 Action Type:
 RESPONSE

 Date:
 06/30/1990

 Action:
 Correspondence

 Global Id:
 T0601300274

 Action Type:
 RESPONSE

 Date:
 06/30/1990

 Action:
 Correspondence

 Global Id:
 T0601300274

 Action Type:
 RESPONSE

 Date:
 03/30/1990

 Action:
 Correspondence

LUST:

Global Id: T0601300274

Status: Open - Case Begin Date

Status Date: 02/01/1989

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

SERVICE STATION - SAP 135771 (Continued)

1000288659

Global Id: T0601300274

Open - Site Assessment Status:

09/06/1994 Status Date:

T0601300274 Global Id:

Completed - Case Closed Status:

Status Date: 04/21/2004

LUST REG 2:

Region: 2

07-0294 Facility Id: Facility Status: Case Closed Case Number: 51842 How Discovered: Tank Closure Leak Cause: UNK UNK Leak Source:

Date Leak Confirmed: 9/6/1994 Oversight Program: LUST

Prelim. Site Assesment Wokplan Submitted: Not reported Preliminary Site Assesment Began: Not reported Pollution Characterization Began: Not reported Pollution Remediation Plan Submitted: Not reported Date Remediation Action Underway: Not reported Date Post Remedial Action Monitoring Began: Not reported

CERS HAZ WASTE:

PITTSBURG SHELL Name: Address: 3737 RAILROAD AVE City,State,Zip: PITTSBURG, CA 94565

Site ID: 57740 CERS ID: 10007614

Hazardous Waste Generator CERS Description:

HIST UST:

SHELL PLANT STORE Name: Address: 3737 RAILROAD AVE City,State,Zip: PITTSBURG, CA 94565

File Number: 00022F38

URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00022F38.pdf

Region: STATE Facility ID: 00000051842 Facility Type: Gas Station Other Type: Not reported Contact Name: SHELIA CULVER Telephone: 4154392233

SHELL OIL COMPANY Owner Name: P.O. BOX 4848 Owner Address: ANAHEIM, CA 92803 Owner City, St, Zip:

Total Tanks: 0005

001 Tank Num: Container Num: 1 Year Installed: 1969 Tank Capacity: 0008000 Tank Used for: **PRODUCT**

Direction Distance

Elevation Site Database(s) EPA ID Number

SERVICE STATION - SAP 135771 (Continued)

1000288659

EDR ID Number

Type of Fuel: UNLEADED

Container Construction Thickness: 1/4

Leak Detection: Stock Inventor, 10

 Tank Num:
 002

 Container Num:
 2

 Year Installed:
 1969

 Tank Capacity:
 00005000

 Tank Used for:
 PRODUCT

 Type of Fuel:
 UNLEADED

Container Construction Thickness: 1/4

Leak Detection: Stock Inventor, 10

 Tank Num:
 003

 Container Num:
 3

 Year Installed:
 1969

 Tank Capacity:
 00000550

 Tank Used for:
 WASTE

 Type of Fuel:
 WASTE OIL

Container Construction Thickness: 12

Leak Detection: Stock Inventor, 10

Tank Num: 004
Container Num: 4
Year Installed: 1969
Tank Capacity: 00005000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED

Container Construction Thickness: 1/4

Leak Detection: Stock Inventor, 10

 Tank Num:
 005

 Container Num:
 5

 Year Installed:
 1969

 Tank Capacity:
 00008000

 Tank Used for:
 PRODUCT

 Type of Fuel:
 REGULAR

Container Construction Thickness: 1/4

Leak Detection: Stock Inventor, 10

Click here for Geo Tracker PDF:

CERS TANKS:

Name: PITTSBURG SHELL
Address: 3737 RAILROAD AVE
City,State,Zip: PITTSBURG, CA 94565

Site ID: 57740 CERS ID: 10007614

CERS Description: Underground Storage Tank

FINDS:

Registry ID: 110055710039

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:

AIR EMISSIONS CLASSIFICATION UNKNOWN

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

SERVICE STATION - SAP 135771 (Continued)

1000288659

STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

CORTESE:

SHELL Name:

3737 RAILROAD AVE Address: PITTSBURG, CA 94565 City,State,Zip:

Region: **CORTESE** Envirostor Id: Not reported T0601300274 Global ID:

Site/Facility Type: LUST CLEANUP SITE

Cleanup Status: **COMPLETED - CASE CLOSED**

Status Date: Not reported Site Code: Not reported Not reported Latitude: Longitude: Not reported Owner: Not reported Enf Type: Not reported Swat R: Not reported Flag: active Order No: Not reported Waste Discharge System No: Not reported Not reported Effective Date: Not reported Region 2: WID Id: Not reported Not reported Solid Waste Id No: Waste Management Uit Name: Not reported File Name: Active Open

HIST CORTESE:

edr fname: SHELL

edr_fadd1: 3737 RAILROAD City,State,Zip: PITTSBURG, CA CORTESE Region:

Facility County Code: Reg By: **LTNKA** Reg Id: 07-0294

NOTIFY 65:

Name: SHELL STATION

Address: 3737 RAILROAD AVENUE City, State, Zip: PITTSBURG, CA 92557

Date Reported: Not reported Staff Initials: Not reported Board File Number: Not reported Not reported Facility Type: Discharge Date: Not reported Not reported Issue Date: Incident Description: Not reported Global ID: Not reported Status: Not reported

CONTRA COSTA CO. SITE LIST:

Name: PITTSBURG SHELL

Distance

Elevation Site Database(s) EPA ID Number

SERVICE STATION - SAP 135771 (Continued)

1000288659

EDR ID Number

Address: 3737 RAILROAD AVE

City: PITTSBURG
Facility ID: FA0032363
Billing Status: ACTIVE, BILLABLE

Program Status: CONTRA COSTA CO. SITE LIST

Program/Elements: HMBP: >100K-250K LBS, 0-19 EMPLOYEES

Region: CONTRA COSTA

Cupa Number: 751842 CERS ID: 10007614

Name: PITTSBURG SHELL Address: 3737 RAILROAD AVE

City: PITTSBURG
Facility ID: FA0032363
Billing Status: ACTIVE, BILLABLE

Program Status: CONTRA COSTA CO. SITE LIST Program/Elements: HWG: REPORTED ZERO

Region: HWG: REPORTED ZERC

Cupa Number: 751842 CERS ID: 10007614

Name: PITTSBURG SHELL Address: 3737 RAILROAD AVE

City: PITTSBURG
Facility ID: FA0032363
Billing Status: ACTIVE, BILLABLE

Program Status: CONTRA COSTA CO. SITE LIST
Program/Elements: UNDERGROUND STORAGE TANK SITE

Region: CONTRA COSTA

Cupa Number: 751842 CERS ID: 10007614

CERS:

Name: PITTSBURG SHELL
Address: 3737 RAILROAD AVE
City,State,Zip: PITTSBURG, CA 94565

Site ID: 57740 CERS ID: 10007614

CERS Description: Chemical Storage Facilities

Violations:

Site ID: 57740

Site Name: PITTSBURG SHELL

Violation Date: 09-10-2019

Citation: 23 CCR 16 2715(f) - California Code of Regulations, Title 23, Chapter

16, Section(s) 2715(f)

Violation Description: Failure to have a properly qualified service technician test leak

detection equipment as required every 12 months (vapor, pressure, hydrostatic (VPH) system, sensors, line-leak detectors (LLD),

automatic tank gauge (ATG), etc.).

Violation Notes: Returned to compliance on 09/17/2019. Observation: Facility has failed

to do one of the following: 1) Certify Monitoring system every 12 months for operability, proper operating condition, and proper calibration. 2) Owners or operators shall submit a completed Monitoring System Certification Form to the local agency within 30 days of the completion of the inspection. 3) The owner or operator shall notify the local agency at least 48 hours prior to conducting

Distance EDR ID Number Elevation Site EDR ID Number Database(s) EPA ID Number

SERVICE STATION - SAP 135771 (Continued)

1000288659

the installation, repair, replacement, calibration, or certification of monitoring equipment. Corrective Action: Notify CCHSHMP of the Monitoring System Certification testing date with 48 hours notice and/or Submit a completed Monitoring System Certification Form to

CCHSHMP within 30 days of the testing date.

Violation Division: Contra Costa County Health Services Department Violation Program: UST

Violation Source: CERS,

Site ID: 57740

Site Name: PITTSBURG SHELL

Violation Date: 01-12-2022

Citation: 23 CCR 16 2712(b)(1)(G) - California Code of Regulations, Title 23,

Chapter 16, Section(s) 2712(b)(1)(G)

Violation Description: Failure to comply with one or more of the following overfill

prevention equipment requirements: Alert the transfer operator when the tank is 90 percent full by restricting the flow into the tank or triggering an audible and visual alarm; or Restrict delivery of flow to the tank at least 30 minutes before the tank overfills, provided the restriction occurs when the tank is filled to no more than 95 percent of capacity; and activate an audible alarm at least five minutes before the tank overfills; or Provide positive shut-off of flow to the tank when the tank is filled to no more than 95 percent of capacity; or Provide positive shut-off of flow to the tank so that none of the fittings located on the top of the tank are exposed to product due to overfilling. Install/retrofit overfill prevention equipment that does not use flow restrictors on vent piping to meet overfill prevention equipment requirements when the overfill prevention equipment is installed, repaired, or replaced on and after October 1, 2018. For USTs installed before October 1, 2018, perform an inspection by October 13, 2018 and every 36 months thereafter. For USTs installed on and after October 1, 2018, perform an inspection at installation and every 36 months thereafter. Inspected within 30 days after a repair to the overfill prevention equipment. Inspected using an applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Inspected

prevention equipment inspection for 36 months.

Violation Notes: OBSERVATION: Owner/Operator failed to meet one or more of the

requirements applicable to overfill prevention equipment. Overfill Prevention Equipment (OPE) failed inspection on 1/2/2019. OPE not replaced. OPE (shut off valves) not tested every 36 month as required. CORRECTIVE ACTION: Maintain overfill prevention system to comply with

by a certified UST service technician. Maintain records of overfill

the deficiencies noted above. Submit verification.

Violation Division: Contra Costa County Health Services Department

Violation Program: UST Violation Source: CERS,

Site ID: 57740

Site Name: PITTSBURG SHELL

Violation Date: 01-02-2019

Citation: 23 CCR 16 2641(j) - California Code of Regulations, Title 23, Chapter

16, Section(s) 2641(j)

Violation Description: Failure of the leak detection equipment to be installed, calibrated,

operated, and/or maintained properly.

Violation Notes: Returned to compliance on 01/02/2019. OBSERVATION: CCHSHMP observed

that 87-2 fill sump sensor (208) did not properly operate during the

Distance

EDR ID Number Elevation **EPA ID Number** Site Database(s)

SERVICE STATION - SAP 135771 (Continued)

1000288659

inspection. The technician replaced the existing sensor to a new one. The technician tested the new sensor. CORRECTIVE ACTION: No further

action is required.

Contra Costa County Health Services Department Violation Division:

Violation Program: UST Violation Source: CERS,

Site ID: 57740

PITTSBURG SHELL Site Name:

Violation Date: 10-05-2018

23 CCR 16 2638(d) - California Code of Regulations, Title 23, Chapter Citation:

16, Section(s) 2638(d)

Violation Description: Failure to submit the Monitoring System Certification Form to the UPA

within 30 days of completion of the test.

Violation Notes: Returned to compliance on 10/09/2018.

Violation Division: Contra Costa County Health Services Department

Violation Program: UST Violation Source: CERS.

Site ID: 57740

Site Name: PITTSBURG SHELL

Violation Date: 01-04-2021

HSC 6.75 25299.30-25299.34 - California Health and Safety Code. Citation:

Chapter 6.75, Section(s) 25299.30-25299.34

Violation Description: Failure to submit and maintain complete and current Certification of

> Financial Responsibility or other mechanism of financial assurance. Returned to compliance on 04/16/2021. OBSERVATION: Financial

Violation Notes: responsibility documents have not been submitted to the CUPA. Current

> financial responsibility documents are required to be submitted annually. Facility had expired cert on CERS. Also facility says they have insurance, must include declaration page as well. Send either to

UPA or upload to CERS. CORRECTIVE ACTION: Complete and submit a copy

of the financial responsibility by [date, 30 days from now].

Violation Division: Contra Costa County Health Services Department

UST Violation Program: Violation Source: CERS,

Site ID: 57740

PITTSBURG SHELL Site Name:

Violation Date: 08-02-2017

Citation: HSC 6.7 Multiple - California Health and Safety Code, Chapter 6.7,

Section(s) Multiple

Violation Description: UST Program - Administration/Documentation - General - Must include

violation description, proper statute and regulation citation in the

"comment" section.

Violation Notes: Returned to compliance on 08/10/2017.

Contra Costa County Health Services Department Violation Division:

Violation Program: UST Violation Source: CERS,

Site ID: 57740

Site Name: PITTSBURG SHELL

Violation Date: 01-02-2019

23 CCR 16 2712(b)(1)(G) - California Code of Regulations, Title 23, Citation:

Chapter 16, Section(s) 2712(b)(1)(G)

Violation Description: Failure to comply with one or more of the following overfill

prevention equipment requirements: Alert the transfer operator when

Distance

Elevation Site Database(s) EPA ID Number

SERVICE STATION - SAP 135771 (Continued)

1000288659

EDR ID Number

triggering an audible and visual alarm; or Restrict delivery of flow to the tank at least 30 minutes before the tank overfills, provided the restriction occurs when the tank is filled to no more than 95 percent of capacity; and activate an audible alarm at least five minutes before the tank overfills; or Provide positive shut-off of flow to the tank when the tank is filled to no more than 95 percent of capacity; or Provide positive shut-off of flow to the tank so that none of the fittings located on the top of the tank are exposed to product due to overfilling. Install/retrofit overfill prevention equipment that does not use flow restrictors on vent piping to meet overfill prevention equipment requirements when the overfill prevention equipment is installed, repaired, or replaced on and after October 1, 2018. For USTs installed before October 1, 2018, perform an inspection by October 13, 2018 and every 36 months thereafter. For USTs installed on and after October 1, 2018, perform an inspection at installation and every 36 months thereafter. Inspected within 30 days after a repair to the overfill prevention equipment. Inspected using an applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Inspected by a certified UST service technician. Maintain records of overfill prevention equipment inspection for 36 months.

the tank is 90 percent full by restricting the flow into the tank or

prevention equipment inspection for 30 months.

Violation Notes: Returned to compliance on 01/04/2021. OBSERVATION: CCHSHMP observed

that the Owner/Operator failed to perform an inspection of the overfill prevention equipment by October 13, 2018. CCHSHMP was on site to observe the overfill prevention equipment testing. CCHSHMP observed

that 91 and 87-2 overfill prevention equipment did not set at 95%. 87-1 overfill prevention equipment was unable to be inspected. CORRECTIVE ACTION: The owner/operator must maintain overfill prevention system to comply with the deficiencies noted above. The

business must submit verification to CCHSHMP.
Contra Costa County Health Services Department

Violation Program: UST Violation Source: CERS,

Violation Division:

Site ID: 57740

Site Name: PITTSBURG SHELL

Violation Date: 04-01-2019

Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter

6.95, Section(s) 25508(a)(1)

Violation Description: Failure to complete and electronically submit a business plan when

storing/handling a hazardous material at or above reportable

quantities.

Violation Notes: Returned to compliance on 04/04/2019. OBSERVATION: AS OF APRIL 1,

2019, CCHSHMP HAS NOT RECEIVED/ACCEPTED A COMPLETE AND CORRECT CALIFORNIA ENVIRONMENTAL REPORTING SYSTEM (CERS) SUBMITTAL FOR THE

FOLLOWING SUBMITTAL ELEMENT(S): Hazardous Materials

Inventory.CORRECTIVE ACTION: IMMEDIATELY LOG ONTO CERS (https://cers.calepa.ca.gov/) AND SUBMIT COMPLETE/CORRECT Hazardous

itips://ceis.caiepa.ca.gov/) AND SOBIVIT CONFECTE/CORN

Materials Inventory.

Violation Division: Contra Costa County Health Services Department

Violation Program: HMRRP Violation Source: CERS,

Site ID: 57740

Site Name: PITTSBURG SHELL Violation Date: 07-01-2019

Distance Elevation Site EDR ID Number

Database(s) EPA ID Number

SERVICE STATION - SAP 135771 (Continued)

1000288659

Citation: HSC 6.7 25284 - California Health and Safety Code, Chapter 6.7,

Section(s) 25284

Violation Description: Failure to obtain a valid permit to operate from the UPA including but

not limited to unpaid permit fees.

Violation Notes: Returned to compliance on 08/27/2020. Observation: As of September 6,

2019, the subject facility does not possess a current and valid CUPA Permit. Corrective Action: 1) Conduct tightness testing of secondary containment at least once every 36 months 1) Immediately Remit payment for all outstanding Certified Unified Program Agency permit fees to CCHS Finance Department (925) 957-5520. and/or 2) Immediately address and correct all outstanding Underground Storage Tank violations and/or

any Class I violations in other CUPA programs. A list of outstanding

violations is enclosed, if applicable.

Violation Division: Contra Costa County Health Services Department

Violation Program: UST Violation Source: UST CERS,

Site ID: 57740

Site Name: PITTSBURG SHELL

Violation Date: 01-09-2017

Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95,

Section(s) Multiple

Violation Description: Business Plan Program - Administration/Documentation - General

Violation Notes: Returned to compliance on 02/03/2017.

Violation Division: Contra Costa County Health Services Department

Violation Program: HMRRP Violation Source: CERS,

Site ID: 57740

Site Name: PITTSBURG SHELL

Violation Date: 01-04-2021

Citation: 23 CCR 16 2641(j) - California Code of Regulations, Title 23, Chapter

16, Section(s) 2641(j)

Violation Description: Failure of the leak detection equipment to be installed, calibrated,

operated, and/or maintained properly.

Violation Notes: Returned to compliance on 01/04/2021. OBSERVATION: Owner/Operator did

not properly maintain leak detection equipment. Sump sensor on 87 failed. CORRECTIVE ACTION:None it was replaced on site and passed.

Violation Division: Contra Costa County Health Services Department

Violation Program: UST Violation Source: CERS,

Site ID: 57740

Site Name: PITTSBURG SHELL

Violation Date: 09-10-2019

Citation: 23 CCR 16 2712(b)(1)(G) - California Code of Regulations, Title 23,

Chapter 16, Section(s) 2712(b)(1)(G)

Violation Description: Failure to comply with one or more of the following overfill

prevention equipment requirements: Alert the transfer operator when the tank is 90 percent full by restricting the flow into the tank or triggering an audible and visual alarm; or Restrict delivery of flow to the tank at least 30 minutes before the tank overfills, provided the restriction occurs when the tank is filled to no more than 95 percent of capacity; and activate an audible alarm at least five minutes before the tank overfills; or Provide positive shut-off of flow to the tank when the tank is filled to no more than 95 percent of capacity; or Provide positive shut-off of flow to the tank so that

Distance EDR ID Number Elevation Site EDR ID Number Database(s) EPA ID Number

SERVICE STATION - SAP 135771 (Continued)

1000288659

none of the fittings located on the top of the tank are exposed to product due to overfilling. Install/retrofit overfill prevention equipment that does not use flow restrictors on vent piping to meet overfill prevention equipment requirements when the overfill prevention equipment is installed, repaired, or replaced on and after October 1, 2018. For USTs installed before October 1, 2018, perform an inspection by October 13, 2018 and every 36 months thereafter. For USTs installed on and after October 1, 2018, perform an inspection at installation and every 36 months thereafter. Inspected within 30 days after a repair to the overfill prevention equipment. Inspected using an applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Inspected by a certified UST service technician. Maintain records of overfill

prevention equipment inspection for 36 months.

Violation Notes: Returned to compliance on 01/04/2021. Observa

Returned to compliance on 01/04/2021. Observation: Facility has failed to do one of the following: 1) Test overfill Once by October 13, 2018 and every 36 months thereafter 2) Owners or operators shall submit a copy of the Overfill Prevention Equipment Inspection Report Form to the local agency within 30 days of the completion of the overfill prevention equipment inspection. 3) Owners or operators shall notify the local agency at least 48 hours prior to conducting the inspection. Corrective Action: Notify CCHSHMP of the Overfill Prevention testing date within 48 hours notice and/or Submit a completed "Overfill"

Prevention Equipment Inspection Report Form" to CCHSHMP within 30 days

of the testing date.

Violation Division: Contra Costa County Health Services Department

Violation Program: UST Violation Source: CERS,

Site ID: 57740

Site Name: PITTSBURG SHELL

Violation Date: 01-12-2022

Citation: 23 CCR 16 2636(f)(1) - California Code of Regulations, Title 23,

Chapter 16, Section(s) 2636(f)(1)

Violation Description: Failure of the leak detection equipment to have an audible and visual

alarm as required.

Violation Notes: OBSERVATION: Owner/Operator did not maintain leak detection equipment

with an audible and visual alarm. The 87-2 STP VR208 sensor failed to activate an audible and visual alarm and shut down the turbine when tested. The senor float was cleaned and the sensor was retested and

observed to pass. CORRECTIVE ACTION: Maintain leak detection equipment

with an audible and visual alarm and to shut down the turbine when

required.

Violation Division: Contra Costa County Health Services Department

Violation Program: UST Violation Source: CERS,

Site ID: 57740

Site Name: PITTSBURG SHELL

Violation Date: 09-10-2019

Citation: HSC 6.7 25284.2 - California Health and Safety Code, Chapter 6.7,

Section(s) 25284.2

Violation Description: "Failure to meet one or more of the following requirements: Install or

maintain a liquid-tight spill container. Have a minimum capacity of five gallons. Have a functional drain valve or other method for the removal of liquid from the spill container. Be resistant to galvanic corrosion. Perform a tightness test at installation, every 12 months

Distance

Elevation Site Database(s) EPA ID Number

SERVICE STATION - SAP 135771 (Continued)

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EDR ID Number

thereafter, or within 30 days after a repair to the spill container. Tested using applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Tested by a certified UST service technician. Maintain

records of spill containment testing for 36 months. '

Violation Notes: Returned to compliance on 09/17/2019. Observation: Facility has failed

to do one of the following: 1) Test spill container every 12 months 2) Owners or operators shall submit a copy of the Spill Container Testing Report Form to the local agency within 30 days of the completion of the spill container test. 3) Owners or operators shall notify the local agency at least 48 hours prior to conducting the spill container test. Corrective Action: Notify CCHSHMP of the Spill Container testing date with 48 hours notice and/or Submit a completed ""Spill Container Testing Report Form" to CCHSHMP within 30 days of the testing date.

Violation Division: Contra Costa County Health Services Department

Violation Program: UST Violation Source: CERS,

Site ID: 57740

Site Name: PITTSBURG SHELL

Violation Date: 01-14-2016 Citation: Un-Specified

Violation Description: UST Program - Operations/Maintenance - For use of Local Ordinance

only

Violation Notes: Returned to compliance on 01/14/2016.

Violation Division: Contra Costa County Health Services Department

Violation Program: UST Violation Source: UST CERS,

Site ID: 57740

Site Name: PITTSBURG SHELL

Violation Date: 01-09-2017

Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95,

Section(s) Multiple

Violation Description: Business Plan Program - Training - General Violation Notes: Returned to compliance on 01/18/2017.

Violation Division: Contra Costa County Health Services Department

Violation Program: HMRRP Violation Source: CERS,

Evaluation:

Eval General Type: Other/Unknown
Eval Date: 04-01-2019

Violations Found: Yes

Eval Type: Other, not routine, done by local agency

Eval Notes: Not reported

Eval Division: Contra Costa County Health Services Department

Eval Program: HMRRP Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 09-10-2019
Violations Found: Yes

Eval Type: Other, not routine, done by local agency

Eval Notes: Not reported

Eval Division: Contra Costa County Health Services Department

Eval Program: UST

Direction Distance

Elevation Site Database(s) EPA ID Number

SERVICE STATION - SAP 135771 (Continued)

1000288659

EDR ID Number

Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection

Eval Date: 01-02-2019

Violations Found: No

Eval Type: Routine done by local agency

Eval Notes: Not reported

Eval Division: Contra Costa County Health Services Department

Eval Program: HMRRP Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection

Eval Date: 01-02-2019 Violations Found: Yes

Eval Type: Routine done by local agency

Eval Notes: Not reported

Eval Division: Contra Costa County Health Services Department

Eval Program: UST Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection

Eval Date: 01-09-2017

Violations Found: N

Eval Type: Routine done by local agency

Eval Notes: Not reported

Eval Division: Contra Costa County Health Services Department

Eval Program: HW Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection

Eval Date: 01-12-2022 Violations Found: Yes

Eval Type: Routine done by local agency

Eval Notes: Not reported

Eval Division: Contra Costa County Health Services Department

Eval Program: UST Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection

Eval Date: 01-14-2016 Violations Found: Yes

Eval Type: Routine done by local agency

Eval Notes: Not reported

Eval Division: Contra Costa County Health Services Department

Eval Program: UST Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection

Eval Date: 01-02-2020

Violations Found: No

Eval Type: Routine done by local agency

Eval Notes: Not reported

Eval Division: Contra Costa County Health Services Department

Eval Program: HW Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection

Distance

Elevation Site Database(s) EPA ID Number

SERVICE STATION - SAP 135771 (Continued)

Eval Date:

01-02-2020

Violations Found: No

Eval Type: Routine done by local agency

Eval Notes: Not reported

Eval Division: Contra Costa County Health Services Department

Eval Program: UST Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection

Eval Date: 01-04-2021

Violations Found: No

Eval Type: Routine done by local agency

Eval Notes: Not reported

Eval Division: Contra Costa County Health Services Department

Eval Program: HMRRP Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection

Eval Date: 01-04-2021 Violations Found: Yes

Eval Type: Routine done by local agency

Eval Notes: Not reported

Eval Division: Contra Costa County Health Services Department

Eval Program: UST Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection

Eval Date: 01-08-2018

Violations Found: No

Eval Type: Routine done by local agency

Eval Notes: Not reported

Eval Division: Contra Costa County Health Services Department

Eval Program: UST Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection

Eval Date: 02-04-2013 Violations Found: No

Eval Type: Routine done by local agency

Eval Notes: Not reported

Eval Division: Contra Costa County Health Services Department

Eval Program: HW Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection

Eval Date: 02-05-2014

Violations Found: No

Eval Type: Routine done by local agency

Eval Notes: Not reported

Eval Division: Contra Costa County Health Services Department

Eval Program: UST Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection

Eval Date: 02-05-2015

Violations Found: No

Eval Type: Routine done by local agency

EDR ID Number

1000288659

MAP FINDINGS Map ID Direction

Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

SERVICE STATION - SAP 135771 (Continued)

1000288659

Eval Notes: Not reported

Contra Costa County Health Services Department Eval Division:

Eval Program: HW Eval Source: CERS.

Eval General Type: Other/Unknown Eval Date: 06-17-2021

Violations Found: No

Eval Type: Other, not routine, done by local agency

Eval Notes: Not reported

Eval Division: Contra Costa County Health Services Department

Eval Program: UST **Eval Source:** CERS,

Eval General Type: Other/Unknown **Eval Date:** 10-05-2018 Violations Found: Yes

Eval Type: Other, not routine, done by local agency

Eval Notes: Not reported

Contra Costa County Health Services Department Eval Division:

Eval Program: UST Eval Source: CERS.

Eval General Type: Other/Unknown Eval Date: 02-03-2017

Violations Found: Nο

Eval Type: Other, not routine, done by local agency

Eval Notes: Not reported

Eval Division: Contra Costa County Health Services Department

Eval Program: **HMRRP** Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection

Eval Date: 02-04-2013 Violations Found: No

Eval Type: Routine done by local agency

Eval Notes: Not reported

Eval Division: Contra Costa County Health Services Department

HMRRP Eval Program: Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection

Eval Date: 01-09-2017 Violations Found: Nο

Eval Type: Routine done by local agency

Eval Notes: Not reported

Eval Division: Contra Costa County Health Services Department

Eval Program: UST Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection

Eval Date: 01-09-2017 Violations Found:

Eval Type: Routine done by local agency

Eval Notes: Not reported

Eval Division: Contra Costa County Health Services Department

Eval Program: **HMRRP**

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

SERVICE STATION - SAP 135771 (Continued)

1000288659

Eval Source: CERS.

Eval General Type: Compliance Evaluation Inspection

Eval Date: 02-04-2013 Violations Found: No

Eval Type: Routine done by local agency

Eval Notes: Not reported

Eval Division: Contra Costa County Health Services Department

Eval Program: UST Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection

02-05-2015 Eval Date:

Violations Found:

Eval Type: Routine done by local agency

Eval Notes: Not reported

Eval Division: Contra Costa County Health Services Department

Eval Program: **HMRRP** Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection

Eval Date: 02-05-2015

Violations Found:

Eval Type: Routine done by local agency

Eval Notes: Not reported

Eval Division: Contra Costa County Health Services Department

Eval Program: UST **Eval Source:** CERS.

Eval General Type: Other/Unknown Eval Date: 08-02-2017

Violations Found:

Eval Type: Other, not routine, done by local agency

Eval Notes: Not reported

Eval Division: Contra Costa County Health Services Department

Eval Program: UST Eval Source: CERS.

Enforcement Action:

Site ID: 57740

Site Name: PITTSBURG SHELL Site Address: 3737 RAILROAD AVE

Site City: **PITTSBURG** Site Zip: 94565 Enf Action Date: 01-02-2019

Enf Action Type: Notice of Violation (Unified Program)

Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection

Enf Action Notes: Not reported

Contra Costa County Health Services Department Enf Action Division:

Enf Action Program: UST Enf Action Source: CERS,

Site ID: 57740

Site Name: PITTSBURG SHELL Site Address: 3737 RAILROAD AVE

Site City: **PITTSBURG** Site Zip: 94565

Direction Distance

EDR ID Number Elevation Site **EPA ID Number** Database(s)

SERVICE STATION - SAP 135771 (Continued)

1000288659

Enf Action Date: 01-04-2021

Enf Action Type: Notice of Violation (Unified Program)

Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection

Enf Action Notes: Not reported

Enf Action Division: Contra Costa County Health Services Department

UST Enf Action Program: Enf Action Source: CERS,

Site ID: 57740

Site Name: PITTSBURG SHELL Site Address: 3737 RAILROAD AVE

PITTSBURG Site City: Site Zip: 94565 Enf Action Date: 01-09-2017

Enf Action Type: Notice of Violation (Unified Program)

Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection

Enf Action Notes: Not reported

Enf Action Division: Contra Costa County Health Services Department

Enf Action Program: **HMRRP** Enf Action Source: CERS,

Site ID: 57740

Site Name: PITTSBURG SHELL Site Address: 3737 RAILROAD AVE

Site City: **PITTSBURG** Site Zip: 94565 Enf Action Date: 01-12-2022

Enf Action Type: Notice of Violation (Unified Program)

Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection

Enf Action Notes: Not reported

Enf Action Division: Contra Costa County Health Services Department

Enf Action Program: UST Enf Action Source: CERS.

Site ID: 57740

PITTSBURG SHELL Site Name: Site Address: 3737 RAILROAD AVE

Site City: **PITTSBURG** Site Zip: 94565 Enf Action Date: 01-14-2016

Enf Action Type: Notice of Violation (Unified Program)

Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection

Enf Action Notes: Not reported

Enf Action Division: Contra Costa County Health Services Department

Enf Action Program: UST Enf Action Source: CERS,

Site ID: 57740

Site Name: PITTSBURG SHELL Site Address: 3737 RAILROAD AVE

Site City: **PITTSBURG** Site Zip: 94565 Enf Action Date: 04-01-2019

Enf Action Type: Notice of Violation (Unified Program)

Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection

Enf Action Notes: Not reported

Enf Action Division: Contra Costa County Health Services Department

Direction Distance

Elevation Site Database(s) EPA ID Number

SERVICE STATION - SAP 135771 (Continued)

1000288659

EDR ID Number

Enf Action Program: HMRRP Enf Action Source: CERS,

Site ID: 57740

Site Name: PITTSBURG SHELL Site Address: 3737 RAILROAD AVE

Site City: PITTSBURG
Site Zip: 94565
Enf Action Date: 08-02-2017

Enf Action Type: Notice of Violation (Unified Program)

Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection

Enf Action Notes: Not reported

Enf Action Division: Contra Costa County Health Services Department

Enf Action Program: UST Enf Action Source: CERS,

Site ID: 57740

Site Name: PITTSBURG SHELL
Site Address: 3737 RAILROAD AVE

Site City: PITTSBURG
Site Zip: 94565
Enf Action Date: 09-10-2019

Enf Action Type: Notice of Violation (Unified Program)

Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection

Enf Action Notes: Not reported

Enf Action Division: Contra Costa County Health Services Department

Enf Action Program: UST Enf Action Source: CERS,

Site ID: 57740

Site Name: PITTSBURG SHELL Site Address: 3737 RAILROAD AVE

Site City: PITTSBURG
Site Zip: 94565
Enf Action Date: 10-05-2018

Enf Action Type: Notice of Violation (Unified Program)

Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection

Enf Action Notes: Not reported

Enf Action Division: Contra Costa County Health Services Department

Enf Action Program: UST Enf Action Source: CERS,

Coordinates:

Site ID: 57740

Facility Name: PITTSBURG SHELL

Env Int Type Code: HWG
Program ID: 10007614
Coord Name: Not reported
Ref Point Type Desc: Unknown,
Latitude: 38.005589
Longitude: -121.893272

Affiliation:

Affiliation Type Desc: Parent Corporation
Entity Name: PITTSBURG SHELL
Entity Title: Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

SERVICE STATION - SAP 135771 (Continued)

1000288659

EDR ID Number

Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported

Affiliation Phone: ,

Affiliation Type Desc: Property Owner

Entity Name: GURSHARANJEET CHEEMA

Entity Title: Not reported
Affiliation Address: 16 SKY TERRACE

Affiliation City: DANVILLE

Affiliation State: CA

Affiliation Country: United States
Affiliation Zip: 94526

Affiliation Phone: (925) 864-9121,

Affiliation Type Desc:
Entity Name:
Entity Title:
Affiliation Address:
Affiliation City:
Environmental Contact
SHIRISH PATEL
Not reported
3737 rail road ave
PITTSBURG

Affiliation State: CA

Affiliation Country: Not reported
Affiliation Zip: 94565
Affiliation Phone:

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 3737 rail road ave
Affiliation City: PITTSBURG

Affiliation State: CA

Affiliation Country: Not reported
Affiliation Zip: 94565
Affiliation Phone: ,

Affiliation Type Desc: Identification Signer Entity Name: SHIRISH PATEL

Entity Title: OWNER
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported

Affiliation Phone:

Affiliation Type Desc:

Entity Name:

Entity Title:

Legal Owner

SHIRISH PATEL

Not reported

Affiliation Address: 3737 RAILROAD AVE

Affiliation City: PITTSBURG

Affiliation State: CA

Affiliation Country: United States
Affiliation Zip: 94565

Affiliation Phone: (925) 325-6256,

Direction Distance

Elevation Site Database(s) EPA ID Number

SERVICE STATION - SAP 135771 (Continued)

1000288659

EDR ID Number

Affiliation Type Desc: UST Tank Operator
Entity Name: SHIRISH PATEL
Entity Title: Not reported

Affiliation Address: 3737 RAIL ROAD AVE

Affiliation City: PITTSBURG

Affiliation State: CA

Affiliation Country: United States
Affiliation Zip: 94565

Affiliation Phone: (925) 325-6256,

Affiliation Type Desc: UST Tank Owner Entity Name: SHIRISH PATEL Entity Title: Not reported

Affiliation Address: 3737 RAIL ROAD AVE

Affiliation City: PITTSBURG

Affiliation State: CA

Affiliation Country: United States
Affiliation Zip: 94565

Affiliation Phone: (925) 325-6256,

Affiliation Type Desc: CUPA District

Entity Name: Contra Costa County Health Services Department

Entity Title: Not reported

Affiliation Address: 4585 Pacheco BlvdSuite 100

Affiliation City: Martinez
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 94553

Affiliation Phone: (925) 655-3200,

Affiliation Type Desc: Operator Entity Name: SHIISH PATEL **Entity Title:** Not reported Affiliation Address: Not reported Affiliation City: Not reported Affiliation State: Not reported Affiliation Country: Not reported Affiliation Zip: Not reported (925) 325-6256, Affiliation Phone:

Affiliation Type Desc: UST Permit Applicant

Entity Name: Shirish Patel Entity Title: Owner Affiliation Address: Not reported Affiliation City: Not reported Affiliation State: Not reported Affiliation Country: Not reported Affiliation Zip: Not reported Affiliation Phone: (925) 325-6256,

Affiliation Type Desc:

Entity Name:

Entity Title:

Affiliation Address:

Affiliation City:

Affiliation State:

Affiliation Country:

Not reported

Not reported

Not reported

Not reported

Not reported

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

SERVICE STATION - SAP 135771 (Continued)

1000288659

Affiliation Zip: Not reported

Affiliation Phone:

Affiliation Type Desc: **UST Property Owner Name Entity Name:** Gursharnjeet Cheema

Entity Title: Not reported Affiliation Address: 16 Sky Terrace Affiliation City: Danville Affiliation State: CA

Affiliation Country: **United States** Affiliation Zip: 94526

Affiliation Phone: (925) 864-9121,

Name:

Address: 3737 RAILROAD AVE City,State,Zip: PITTSBURG, CA 94565

Site ID: 251160 CERS ID: T0601300274

Leaking Underground Storage Tank Cleanup Site **CERS** Description:

Affiliation:

Local Agency Caseworker Affiliation Type Desc:

SUE LOYD - CONTRA COSTA COUNTY Entity Name:

Entity Title: Not reported

Affiliation Address: 4333 PACHECO BLVD.

MARTINEZ Affiliation City: Affiliation State: CA

Affiliation Country: Not reported Affiliation Zip: Not reported

Affiliation Phone:

Affiliation Type Desc: Regional Board Caseworker

Entity Name: KEVIN BROWN - SAN FRANCISCO BAY RWQCB (REGION 2)

Entity Title: Not reported

Affiliation Address: 1515 CLAY STREET, SUITE 1400

Affiliation City: OAKLAND Affiliation State: CA

Affiliation Country: Not reported Affiliation Zip: Not reported

Affiliation Phone:

F19 STANLEY WORKS THE RCRA-SQG 1000317275 NNE 855 V PARKSIDE DR **ENVIROSTOR** CAD981427008

1/2-1 PITTSBURG, CA 94565 **CERS HAZ WASTE SWEEPS UST** 0.899 mi. **HIST UST** Site 1 of 2 in cluster F

4749 ft. **CONTRA COSTA CO. SITE LIST** Relative: **CERS**

RCRA Listings: Actual:

Lower

Date Form Received by Agency: 19960901 23 ft.

STANLEY WORKS THE Handler Name:

Handler Address: 855 V PARKSIDE DR Handler City, State, Zip: PITTSBURG, CA 94565 CAD981427008

EPA ID: Not reported Contact Name:

Distance EDR ID Number
Elevation Site EDR ID Number
Database(s) EPA ID Number

STANLEY WORKS THE (Continued)

1000317275

Contact Address:

Contact City, State, Zip:

Contact Telephone:

Contact Fax:

Contact Email:

Contact Email:

Contact Title:

Not reported

Not reported

Not reported

Not reported

Not reported

Not reported

Ontact Title:

Not reported

O9

Land Type: Not reported

Federal Waste Generator Description: Small Quantity Generator

Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Handler Activities

State District Owner: CA
State District: 2

Mailing Address: BOX SEVENTH THOUSAND 1000 STAN

NEW BRITAIN, CT 06050

Not reported

No

Mailing City,State,Zip:
Owner Name:
Not reported

Owner Type:

Federal Universal Waste:

Operator Name: NOT REQUIRED

Operator Type: Private Short-Term Generator Activity: No Importer Activity: No Mixed Waste Generator: No Transporter Activity: No Transfer Facility Activity: Nο Recycler Activity with Storage: Nο Small Quantity On-Site Burner Exemption: No Smelting Melting and Refining Furnace Exemption: No **Underground Injection Control:** No Off-Site Waste Receipt: Nο Universal Waste Indicator: No Universal Waste Destination Facility: No

Active Site Fed-Reg Treatment Storage and Disposal Facility:
Active Site Converter Treatment storage and Disposal Facility:
Active Site State-Reg Treatment Storage and Disposal Facility:
Not reported
Not reported

Active Site State-Reg Handler: --

Federal Facility Indicator: Not reported

Hazardous Secondary Material Indicator:

NN
Sub-Part K Indicator:

Not reported

Commercial TSD Indicator: No

Treatment Storage and Disposal Type:

2018 GPRA Permit Baseline:

2018 GPRA Renewals Baseline:

Not on the Baseline

Permit Renewals Workload Universe:

Not reported

Permit Renewals Workload Universe:

Permit Workload Universe:

Permit Progress Universe:

Post-Closure Workload Universe:

Closure Workload Universe:

Not reported

Corrective Action Workload Universe:

Subject to Corrective Action Universe:

No
Non-TSDFs Where RCRA CA has Been Imposed Universe:

No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:

No
TSDFs Only Subject to CA under Discretionary Auth Universe:

No

Corrective Action Priority Ranking: No NCAPS ranking

Direction Distance Elevation

on Site Database(s) EPA ID Number

STANLEY WORKS THE (Continued)

1000317275

EDR ID Number

Environmental Control Indicator: No
Institutional Control Indicator: No
Human Exposure Controls Indicator: N/A
Groundwater Controls Indicator: N/A

Operating TSDF Universe:

Full Enforcement Universe:

Not reported

Not reported

Significant Non-Complier Universe: No Unaddressed Significant Non-Complier Universe: No Addressed Significant Non-Complier Universe: No Significant Non-Complier With a Compliance Schedule Universe: No

Financial Assurance Required: Not reported

Handler Date of Last Change:

Recognized Trader-Importer:

Recognized Trader-Exporter:

Importer of Spent Lead Acid Batteries:

No

Exporter of Spent Lead Acid Batteries:

No

Recycler Activity Without Storage: Not reported Manifest Broker: Not reported

Sub-Part P Indicator: No

Handler - Owner Operator:

Owner/Operator Indicator: Operator

Owner/Operator Name: NOT REQUIRED

Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: NOT REQUIRED

Owner/Operator City, State, Zip: NOT REQUIRED, ME 99999

Owner/Operator Telephone: 415-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner

Owner/Operator Name: THE STANLEY WORKS

Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: NOT REQUIRED

Owner/Operator City, State, Zip: NOT REQUIRED, ME 99999

Owner/Operator Telephone: 415-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 19960901

Handler Name: STANLEY WORKS THE

Federal Waste Generator Description: Small Quantity Generator

State District Owner:

CA

Large Quantity Handler of Universal Waste:

No

Recognized Trader Importer:

No

Recognized Trader Exporter:

No

Spent Lead Acid Battery Importer:

No

Spent Lead Acid Battery Exporter:

No

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

STANLEY WORKS THE (Continued)

1000317275

Current Record: Yes

Non Storage Recycler Activity: Not reported Electronic Manifest Broker: Not reported

Receive Date: 19901112

STANLEY WORKS THE Handler Name:

Federal Waste Generator Description: Large Quantity Generator

State District Owner: No

Large Quantity Handler of Universal Waste: Recognized Trader Importer: No Recognized Trader Exporter: No Spent Lead Acid Battery Importer: No Spent Lead Acid Battery Exporter: No Current Record: No

Non Storage Recycler Activity: Not reported Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:

No NAICS Codes Found NAICS Codes:

Facility Has Received Notices of Violations:

Violations: No Violations Found

Evaluation Action Summary:

Evaluations: No Evaluations Found

ENVIROSTOR:

ACME STEEL CO. Name: Address: 855 N. PARKSIDE DRIVE City,State,Zip: PITTSBURG, CA 94565

Facility ID: 71002838

Refer: Other Agency Status: Status Date: Not reported Site Code: Not reported Site Type: **Tiered Permit** Site Type Detailed: Tiered Permit Acres: Not reported

NPL: NO

Regulatory Agencies: NONE SPECIFIED Lead Agency: NONE SPECIFIED Program Manager: Not reported Supervisor: Not reported . Cleanup Berkeley Division Branch:

Assembly: 14 07 Senate:

Special Program: Not reported

Restricted Use: NO

Potential COC:

NONE SPECIFIED Site Mamt Reg: Funding: Not reported 38.02493 Latitude: Longitude: -121.9008 APN: 086020011 Past Use: NONE SPECIFIED

NONE SPECIFIED

Direction Distance

Elevation Site Database(s) EPA ID Number

STANLEY WORKS THE (Continued)

1000317275

EDR ID Number

Confirmed COC: NONE SPECIFIED Potential Description: NONE SPECIFIED NONE SPECIFIED Alias Name: 086020011
Alias Type: APN

Alias Name: CAD981427008

Alias Type: EPA Identification Number

Alias Name: 71002838

Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 09/30/1999

Comments: Site screening indicates that RWQCB is actively cleaning up this site.

Not reported

Future Area Name: Not reported Future Sub Area Name: Not reported Future Document Type: Not reported Not reported Future Due Date: Not reported Schedule Area Name: Not reported Schedule Sub Area Name: Schedule Document Type: Not reported Not reported Schedule Due Date: Schedule Revised Date: Not reported

CERS HAZ WASTE:

Name: ALLIED CRANE
Address: 855 N PARKSIDE DR
City,State,Zip: PITTSBURG, CA 94565

Site ID: 4520 CERS ID: 10017547

CERS Description: Hazardous Waste Generator

ACME STEEL COMPANY

SWEEPS UST: Name:

Owner Tank Id:

855 N PARKSIDE DR Address: **PITTSBURG** City: Not reported Status: 70005 Comp Number: Number: Not reported Board Of Equalization: Not reported Not reported Referral Date: Action Date: Not reported Not reported Created Date:

SWRCB Tank Id: 07-000-070005-000001

Not reported

Tank Status: Not reported
Capacity: 2000
Active Date: Not reported
Tank Use: CHEMICAL
STG: PRODUCT
Content: XYLENE
Number Of Tanks: 2

Name: ACME STEEL COMPANY

Direction Distance

Elevation Site Database(s) EPA ID Number

STANLEY WORKS THE (Continued)

1000317275

EDR ID Number

855 N PARKSIDE DR Address: **PITTSBURG** City: Status: Not reported Comp Number: 70005 Number: Not reported Board Of Equalization: Not reported Referral Date: Not reported Not reported Action Date: Created Date: Not reported Owner Tank Id: Not reported

SWRCB Tank Id: 07-000-070005-000002

Tank Status: Not reported
Capacity: 5000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: REG UNLEADED
Number Of Tanks: Not reported

HIST UST:

Name: STANLEY STEEL STRAPPING

Address: 855 N PARKSIDE DR City,State,Zip: PITTSBURG, CA 94565

File Number: Not reported URL: Not reported Region: STATE Facility ID: 0000068591 Facility Type: Other

Other Type: MANUFACTURE Contact Name: TERRY R. SMITLEY

Telephone: 4154323801

Owner Name: THE STANLEY WORKS
Owner Address: SLATER ROAD

Owner City, St, Zip: NEW BRITIAN, CT 06053

Total Tanks: 0001

 Tank Num:
 001

 Container Num:
 #1

 Year Installed:
 1970

 Tank Capacity:
 00005000

 Tank Used for:
 PRODUCT

 Type of Fuel:
 Not reported

Container Construction Thickness: X
Leak Detection: Visual

CONTRA COSTA CO. SITE LIST:

Name: ALLIED CRANE
Address: 855 N PARKSIDE DR
City: PITTSBURG
Facility ID: FA0029944
Billing Status: ACTIVE, BILLABLE

Program Status: CONTRA COSTA CO. SITE LIST
Program/Elements: HMBP: 1K-10K LBS, 20+ EMPLOYEES

Region: CONTRA COSTA

Cupa Number: 773274 CERS ID: 10017547

Direction Distance

Elevation Site Database(s) EPA ID Number

STANLEY WORKS THE (Continued)

1000317275

EDR ID Number

Name: ALLIED CRANE Address: 855 N PARKSIDE DR

City: PITTSBURG
Facility ID: FA0029944
Billing Status: ACTIVE, BILLABLE

Program Status: CONTRA COSTA CO. SITE LIST Program/Elements: HWG: LESS THAN 5 TONS/YEAR

Region: CONTRA COSTA

Cupa Number: 773274 CERS ID: 10017547

Name: ACME PACKAGING CORP/PITTS EAST

Address: 855 N PARKSIDE DR

City: PITTSBURG Facility ID: FA0032563

Billing Status: INACTIVE, NON-BILLABLE
Program Status: CONTRA COSTA CO. SITE LIST

Program/Elements: HMBP GENERAL Region: CONTRA COSTA

Cupa Number: 770005 CERS ID: 10008214

Name: ACME PACKAGING CORP/PITTS EAST

Address: 855 N PARKSIDE DR
City: PITTSBURG
Facility ID: FA0032563

Billing Status: INACTIVE, NON-BILLABLE
Program Status: CONTRA COSTA CO. SITE LIST

Program/Elements: HWG GENERAL CONTRA COSTA

Cupa Number: 770005 CERS ID: 10008214

Name: ACME PACKAGING CORP/PITTS EAST

Address: 855 N PARKSIDE DR

City: PITTSBURG Facility ID: FA0032563

Billing Status: INACTIVE, NON-BILLABLE
Program Status: CONTRA COSTA CO. SITE LIST
Program/Elements: UNDERGROUND STORAGE TANK SITE

Region: CONTRA COSTA

Cupa Number: 770005 CERS ID: 10008214

CERS:

Name: ALLIED CRANE
Address: 855 N PARKSIDE DR
City,State,Zip: PITTSBURG, CA 94565

Site ID: 4520 CERS ID: 10017547

CERS Description: Chemical Storage Facilities

Violations:

Site ID: 4520

Site Name: ALLIED CRANE Violation Date: 12-02-2016

Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5,

Distance

Elevation Site Database(s) EPA ID Number

STANLEY WORKS THE (Continued)

1000317275

EDR ID Number

Section(s) Multiple

Violation Description: Hazardous Waste Generator Program - Administration/Documentation -

General

Violation Notes: Returned to compliance on 06/06/2017.

Violation Division: Contra Costa County Health Services Department

Violation Program: HW
Violation Source: CERS,

Site ID: 4520

Site Name: ALLIED CRANE Violation Date: 04-14-2017

Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95,

Section(s) Multiple

Violation Description: Business Plan Program - Administration/Documentation - General

Violation Notes: Returned to compliance on 04/24/2017.

Violation Division: Contra Costa County Health Services Department

Violation Program: HMRRP Violation Source: CERS,

Site ID: 4520

Site Name: ALLIED CRANE Violation Date: 12-02-2016

Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95,

Section(s) Multiple

Violation Description: Business Plan Program - Administration/Documentation - General

Violation Notes: Returned to compliance on 04/09/2017.

Violation Division: Contra Costa County Health Services Department

Violation Program: HMRRP Violation Source: CERS,

Site ID: 4520

Site Name: ALLIED CRANE Violation Date: 12-02-2016

Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95,

Section(s) Multiple

Violation Description: Business Plan Program - Administration/Documentation - General

Violation Notes: Returned to compliance on 04/20/2017.

Violation Division: Contra Costa County Health Services Department

Violation Program: HMRRP Violation Source: CERS,

Site ID: 4520

Site Name: ALLIED CRANE Violation Date: 12-02-2016

Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95,

Section(s) Multiple

Violation Description: Business Plan Program - Administration/Documentation - General

Violation Notes: Returned to compliance on 04/25/2017.

Violation Division: Contra Costa County Health Services Department

Violation Program: HMRRP Violation Source: CERS,

Evaluation:

Eval General Type: Compliance Evaluation Inspection

Eval Date: 11-06-2019

Violations Found: No

Eval Type: Routine done by local agency

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

STANLEY WORKS THE (Continued)

1000317275

Eval Notes: Not reported

Contra Costa County Health Services Department Eval Division:

Eval Program: HW Eval Source: CERS,

Eval General Type: Other/Unknown Eval Date: 04-20-2017

Violations Found: No

Eval Type: Other, not routine, done by local agency

Eval Notes: Not reported

Eval Division: Contra Costa County Health Services Department

Eval Program: **HMRRP Eval Source:** CERS,

Eval General Type: Compliance Evaluation Inspection

Eval Date: 11-06-2019

Violations Found: No

Eval Type: Routine done by local agency

Eval Notes: Not reported

Contra Costa County Health Services Department Eval Division:

Eval Program: **HMRRP** Eval Source: CERS.

Eval General Type: Compliance Evaluation Inspection

Eval Date: 12-02-2016

Violations Found: Yes

Eval Type: Routine done by local agency

Eval Notes: Not reported

Eval Division: Contra Costa County Health Services Department

Eval Program: **HMRRP** Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection

Eval Date: 12-02-2016 Violations Found: Yes

Eval Type: Routine done by local agency

Eval Notes: Not reported

Eval Division: Contra Costa County Health Services Department

Eval Program: HW Eval Source: CERS,

Eval General Type: Other/Unknown Eval Date: 04-14-2017 Yes

Violations Found:

Eval Type: Other, not routine, done by local agency

Eval Notes: Not reported

Eval Division: Contra Costa County Health Services Department

Eval Program: **HMRRP** Eval Source: CERS,

Eval General Type: Other/Unknown Eval Date: 06-06-2017

Violations Found:

Eval Type: Other, not routine, done by local agency

Eval Notes: Not reported

Eval Division: Contra Costa County Health Services Department

Eval Program:

MAP FINDINGS Map ID

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

STANLEY WORKS THE (Continued)

1000317275

Eval Source: CERS.

Enforcement Action:

Site ID: 4520

Site Name: **ALLIED CRANE** 855 N PARKSIDE DR Site Address:

PITTSBURG Site City: Site Zip: 94565 Enf Action Date: 04-14-2017

Enf Action Type: Notice of Violation (Unified Program)

Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection

Enf Action Notes: Not reported

Enf Action Division: Contra Costa County Health Services Department

Enf Action Program: **HMRRP** Enf Action Source: CERS,

Site ID: 4520

Site Name: **ALLIED CRANE** Site Address: 855 N PARKSIDE DR

Site City: **PITTSBURG** Site Zip: 94565 Enf Action Date: 12-02-2016

Enf Action Type: Notice of Violation (Unified Program)

Notice of Violation Issued by the Inspector at the Time of Inspection Enf Action Description:

Enf Action Notes: Not reported

Enf Action Division: Contra Costa County Health Services Department

HMRRP Enf Action Program: Enf Action Source: CERS.

4520 Site ID:

Site Name: **ALLIED CRANE** Site Address: 855 N PARKSIDE DR

Site City: **PITTSBURG** Site Zip: 94565 Enf Action Date: 12-02-2016

Enf Action Type: Notice of Violation (Unified Program)

Notice of Violation Issued by the Inspector at the Time of Inspection Enf Action Description:

Enf Action Notes: Not reported

Contra Costa County Health Services Department Enf Action Division:

HW Enf Action Program: Enf Action Source: CERS,

Coordinates:

Site ID: 4520

Facility Name: **ALLIED CRANE**

Env Int Type Code: **HWG** Program ID: 10017547 Coord Name: Not reported Ref Point Type Desc: Unknown, Latitude: 38.024750 Longitude: -121.900749

Affiliation:

Identification Signer Affiliation Type Desc: Entity Name: Sandy Cariel Entity Title: Controller

Map ID MAP FINDINGS

Distance

Elevation Site Database(s) EPA ID Number

STANLEY WORKS THE (Continued)

1000317275

EDR ID Number

Affiliation Address:

Affiliation City:

Affiliation State:

Affiliation Country:

Affiliation Country:

Affiliation Zip:

Not reported

Not reported

Not reported

Affiliation Phone: ,

Affiliation Type Desc: Operator Entity Name: Dave Costa Entity Title: Not reported Affiliation Address: Not reported Affiliation City: Not reported Affiliation State: Not reported Affiliation Country: Not reported Affiliation Zip: Not reported Affiliation Phone: (925) 427-9200,

Affiliation Type Desc: CUPA District

Entity Name: Contra Costa County Health Services Department

Entity Title: Not reported

Affiliation Address: 4585 Pacheco BlvdSuite 100

Affiliation City: Martinez
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 94553
Affiliation Phone: (925) 655-320

Affiliation Phone: (925) 655-3200,

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 855 N Parkside Dr

Affiliation City: Pittsburg
Affiliation State: CA
Affiliation Country: Not reported

Affiliation Country: Not reported Affiliation Zip: 94565
Affiliation Phone: ,

Affiliation Type Desc:
Entity Name:
Entity Title:
Affiliation Address:
Legal Owner
ALLIED CRANE
Not reported
855 N Parkside Dr

Affiliation City: Pittsburg
Affiliation State: CA

Affiliation Country: United States
Affiliation Zip: 94565

Affiliation Phone: (925) 427-9200,

Affiliation Type Desc: Document Preparer

Entity Name: Sandy Cariel
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported

Affiliation Phone: ,

Map ID MAP FINDINGS

Direction Distance

Elevation Site Database(s) EPA ID Number

STANLEY WORKS THE (Continued)

EDR ID Number

1000317275

S100178716

N/A

Notify 65

Affiliation Type Desc: Environmental Contact

Entity Name: Sandy Cariel Entity Title: Not reported

Affiliation Address: 855 NORTH PARKSIDE

Affiliation City: PITTSBURG

Affiliation State: CA

Affiliation Country: Not reported Affiliation Zip: 94565
Affiliation Phone: ,

Affiliation Type Desc: Parent Corporation Entity Name: **ALLIED CRANE** Entity Title: Not reported Affiliation Address: Not reported Affiliation City: Not reported Affiliation State: Not reported Affiliation Country: Not reported Affiliation Zip: Not reported

Affiliation Phone:

F20 ACME STEEL/COLD METAL PRODUCTS

NNE 855 NORTH PARKSIDE DRIVE

1/2-1 PITTSBURG, CA 92557

0.899 mi.

4749 ft. Site 2 of 2 in cluster F

Relative: NOTIFY 65:

Lower Name: ACME STEEL/COLD METAL PRODUCTS

Actual: Address: 855 NORTH PARKSIDE DRIVE

23 ft. City,State,Zip: PITTSBURG, CA 92557

Date Reported: Not reported Staff Initials: Not reported Board File Number: Not reported Not reported Facility Type: Discharge Date: Not reported Issue Date: Not reported Incident Description: Not reported Global ID: Not reported Not reported Status:

Count: 1 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
WEST PITTSBURG	S100833504	PACIFIC GAS AND ELECTRIC/SHELL - W	WILLOW PASS/ROAD	94565	CA BOND EXP. PLAN

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 10/27/2022 Source: EPA
Date Data Arrived at EDR: 11/01/2022 Telephone: N/A

Date Made Active in Reports: 11/15/2022 Last EDR Contact: 01/03/2023

Number of Days to Update: 14 Next Scheduled EDR Contact: 04/10/2023
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources

EPA's Environmental Photographic Interpretation Center (EPIC)

Telephone: 202-564-7333

EPA Region 1 EPA Region 6

Telephone 617-918-1143 Telephone: 214-655-6659

EPA Region 3 EPA Region 7

Telephone 215-814-5418 Telephone: 913-551-7247

EPA Region 4 EPA Region 8

Telephone 404-562-8033 Telephone: 303-312-6774

EPA Region 5 EPA Region 9

Telephone 312-886-6686 Telephone: 415-947-4246

EPA Region 10

Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 10/27/2022 Source: EPA
Date Data Arrived at EDR: 11/01/2022 Telephone: N/A

Number of Days to Update: 14 Next Scheduled EDR Contact: 04/10/2023
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991 Date Data Arrived at EDR: 02/02/1994 Date Made Active in Reports: 03/30/1994

Number of Days to Update: 56

Source: EPA

Telephone: 202-564-4267 Last EDR Contact: 08/15/2011

Next Scheduled EDR Contact: 11/28/2011 Data Release Frequency: No Update Planned

Lists of Federal Delisted NPL sites

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 10/27/2022 Date Data Arrived at EDR: 11/01/2022 Date Made Active in Reports: 11/15/2022

Number of Days to Update: 14

Source: EPA Telephone: N/A

Last EDR Contact: 01/03/2023

Next Scheduled EDR Contact: 04/10/2023 Data Release Frequency: Quarterly

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 08/25/2022 Date Data Arrived at EDR: 09/06/2022 Date Made Active in Reports: 12/05/2022

Number of Days to Update: 90

Source: Environmental Protection Agency Telephone: 703-603-8704

Last EDR Contact: 12/21/2022

Next Scheduled EDR Contact: 04/10/2023 Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 10/27/2022 Date Data Arrived at EDR: 11/01/2022 Date Made Active in Reports: 11/15/2022

Number of Days to Update: 14

Source: EPA

Telephone: 800-424-9346 Last EDR Contact: 01/03/2023

Next Scheduled EDR Contact: 04/24/2023 Data Release Frequency: Quarterly

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 10/27/2022 Date Data Arrived at EDR: 11/01/2022 Date Made Active in Reports: 11/15/2022

Number of Days to Update: 14

Source: EPA

Telephone: 800-424-9346 Last EDR Contact: 01/03/2023

Next Scheduled EDR Contact: 04/24/2023 Data Release Frequency: Quarterly

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 11/21/2022 Date Data Arrived at EDR: 11/21/2022 Date Made Active in Reports: 12/05/2022

Number of Days to Update: 14

Source: EPA

Telephone: 800-424-9346 Last EDR Contact: 12/21/2022

Next Scheduled EDR Contact: 04/03/2023 Data Release Frequency: Quarterly

Lists of Federal RCRA TSD facilities

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 11/21/2022 Date Data Arrived at EDR: 11/21/2022 Date Made Active in Reports: 12/05/2022

Number of Days to Update: 14

Source: Environmental Protection Agency

Telephone: (415) 495-8895 Last EDR Contact: 12/21/2022

Next Scheduled EDR Contact: 04/03/2023 Data Release Frequency: Quarterly

Lists of Federal RCRA generators

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 11/21/2022 Date Data Arrived at EDR: 11/21/2022 Date Made Active in Reports: 12/05/2022

Number of Days to Update: 14

Source: Environmental Protection Agency

Telephone: (415) 495-8895 Last EDR Contact: 12/21/2022

Next Scheduled EDR Contact: 04/03/2023 Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 11/21/2022 Date Data Arrived at EDR: 11/21/2022 Date Made Active in Reports: 12/05/2022

Number of Days to Update: 14

Source: Environmental Protection Agency

Telephone: (415) 495-8895 Last EDR Contact: 12/21/2022

Next Scheduled EDR Contact: 04/03/2023 Data Release Frequency: Quarterly

RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)
RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation
and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database
includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste
as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate
less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 11/21/2022 Date Data Arrived at EDR: 11/21/2022 Date Made Active in Reports: 12/05/2022

Number of Days to Update: 14

Source: Environmental Protection Agency

Telephone: (415) 495-8895 Last EDR Contact: 12/21/2022

Next Scheduled EDR Contact: 04/03/2023 Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 11/02/2022 Date Data Arrived at EDR: 11/08/2022 Date Made Active in Reports: 01/10/2023

Number of Days to Update: 63

Source: Department of the Navy Telephone: 843-820-7326 Last EDR Contact: 11/01/2022

Next Scheduled EDR Contact: 02/20/2023 Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 08/15/2022 Date Data Arrived at EDR: 08/17/2022 Date Made Active in Reports: 10/24/2022

Number of Days to Update: 68

Source: Environmental Protection Agency

Telephone: 703-603-0695 Last EDR Contact: 11/16/2022

Next Scheduled EDR Contact: 03/06/2023 Data Release Frequency: Varies

US INST CONTROLS: Institutional Controls Sites List

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 08/15/2022 Date Data Arrived at EDR: 08/17/2022 Date Made Active in Reports: 10/24/2022

Number of Days to Update: 68

Source: Environmental Protection Agency

Telephone: 703-603-0695 Last EDR Contact: 11/16/2022

Next Scheduled EDR Contact: 03/06/2023

Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous

substances.

Date of Government Version: 12/12/2022 Date Data Arrived at EDR: 12/14/2022 Date Made Active in Reports: 12/19/2022

Number of Days to Update: 5

Source: National Response Center, United States Coast Guard

Telephone: 202-267-2180 Last EDR Contact: 12/14/2022

Next Scheduled EDR Contact: 04/03/2023 Data Release Frequency: Quarterly

Lists of state- and tribal (Superfund) equivalent sites

RESPONSE: State Response Sites

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity.

These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 07/25/2022 Date Data Arrived at EDR: 07/25/2022 Date Made Active in Reports: 10/05/2022

Number of Days to Update: 72

Source: Department of Toxic Substances Control

Telephone: 916-323-3400 Last EDR Contact: 10/24/2022

Next Scheduled EDR Contact: 02/06/2023 Data Release Frequency: Quarterly

Lists of state- and tribal hazardous waste facilities

ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

Date of Government Version: 07/25/2022 Date Data Arrived at EDR: 07/25/2022 Date Made Active in Reports: 10/05/2022

Number of Days to Update: 72

Source: Department of Toxic Substances Control

Telephone: 916-323-3400 Last EDR Contact: 10/24/2022

Next Scheduled EDR Contact: 02/06/2023 Data Release Frequency: Quarterly

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inventory of solid waste disposal facilities or landfills. These may be active or inactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 08/08/2022 Date Data Arrived at EDR: 08/08/2022 Date Made Active in Reports: 10/20/2022

Number of Days to Update: 73

Source: Department of Resources Recycling and Recovery

Telephone: 916-341-6320 Last EDR Contact: 11/03/2022

Next Scheduled EDR Contact: 02/20/2023 Data Release Frequency: Quarterly

Lists of state and tribal leaking storage tanks

LUST REG 9: Leaking Underground Storage Tank Report

Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001 Date Data Arrived at EDR: 04/23/2001 Date Made Active in Reports: 05/21/2001

Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)

Telephone: 858-637-5595 Last EDR Contact: 09/26/2011

Next Scheduled EDR Contact: 01/09/2012 Data Release Frequency: No Update Planned

LUST: Leaking Underground Fuel Tank Report (GEOTRACKER)

Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 08/31/2022 Date Data Arrived at EDR: 08/31/2022 Date Made Active in Reports: 11/17/2022

Number of Days to Update: 78

Source: State Water Resources Control Board

Telephone: see region list Last EDR Contact: 12/02/2022

Next Scheduled EDR Contact: 03/20/2023 Data Release Frequency: Quarterly

LUST REG 6L: Leaking Underground Storage Tank Case Listing

For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003 Date Data Arrived at EDR: 09/10/2003 Date Made Active in Reports: 10/07/2003

Number of Days to Update: 27

Source: California Regional Water Quality Control Board Lahontan Region (6)

Telephone: 530-542-5572 Last EDR Contact: 09/12/2011

Next Scheduled EDR Contact: 12/26/2011 Data Release Frequency: No Update Planned

LUST REG 8: Leaking Underground Storage Tanks

California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005 Date Data Arrived at EDR: 02/15/2005 Date Made Active in Reports: 03/28/2005

Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)

Telephone: 909-782-4496 Last EDR Contact: 08/15/2011

Next Scheduled EDR Contact: 11/28/2011 Data Release Frequency: No Update Planned

LUST REG 7: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004 Date Data Arrived at EDR: 02/26/2004 Date Made Active in Reports: 03/24/2004

Number of Days to Update: 27

Telephone: 760-776-8943

Last EDR Contact: 08/01/2011

Next Scheduled EDR Contact: 11/14/2011 Data Release Frequency: No Update Planned

LUST REG 5: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

Date of Government Version: 07/01/2008 Date Data Arrived at EDR: 07/22/2008 Date Made Active in Reports: 07/31/2008

Number of Days to Update: 9

Source: California Regional Water Quality Control Board Central Valley Region (5)

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)

Telephone: 916-464-4834 Last EDR Contact: 07/01/2011

Next Scheduled EDR Contact: 10/17/2011 Data Release Frequency: No Update Planned

LUST REG 4: Underground Storage Tank Leak List

Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control

Board's LUST database.

Date of Government Version: 09/07/2004 Date Data Arrived at EDR: 09/07/2004 Date Made Active in Reports: 10/12/2004

Number of Days to Update: 35

Source: California Regional Water Quality Control Board Los Angeles Region (4)

Source: California Regional Water Quality Control Board Central Coast Region (3)

Telephone: 213-576-6710 Last EDR Contact: 09/06/2011

Next Scheduled EDR Contact: 12/19/2011 Data Release Frequency: No Update Planned

LUST REG 3: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003 Date Data Arrived at EDR: 05/19/2003 Date Made Active in Reports: 06/02/2003

Number of Days to Update: 14

Telephone: 805-542-4786 Last EDR Contact: 07/18/2011

Next Scheduled EDR Contact: 10/31/2011 Data Release Frequency: No Update Planned

LUST REG 2: Fuel Leak List

Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa

Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004 Date Data Arrived at EDR: 10/20/2004 Date Made Active in Reports: 11/19/2004

Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)

Telephone: 510-622-2433 Last EDR Contact: 09/19/2011

Next Scheduled EDR Contact: 01/02/2012 Data Release Frequency: No Update Planned

LUST REG 1: Active Toxic Site Investigation

Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information,

please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001 Date Data Arrived at EDR: 02/28/2001 Date Made Active in Reports: 03/29/2001

Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)

Telephone: 707-570-3769 Last EDR Contact: 08/01/2011

Next Scheduled EDR Contact: 11/14/2011 Data Release Frequency: No Update Planned

LUST REG 6V: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005 Date Data Arrived at EDR: 06/07/2005 Date Made Active in Reports: 06/29/2005

Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)

Telephone: 760-241-7365 Last EDR Contact: 09/12/2011

Next Scheduled EDR Contact: 12/26/2011 Data Release Frequency: No Update Planned

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 06/02/2022 Date Data Arrived at EDR: 06/13/2022 Date Made Active in Reports: 08/31/2022

Number of Days to Update: 79

Source: EPA Region 4 Telephone: 404-562-8677 Last EDR Contact: 12/06/2022

Next Scheduled EDR Contact: 01/30/2023 Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land

Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 04/11/2022 Date Data Arrived at EDR: 06/13/2022 Date Made Active in Reports: 08/16/2022

Number of Days to Update: 64

Source: EPA, Region 5 Telephone: 312-886-7439 Last EDR Contact: 12/06/2022

Next Scheduled EDR Contact: 01/30/2023 Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 04/28/2022 Date Data Arrived at EDR: 06/13/2022 Date Made Active in Reports: 08/16/2022

Number of Days to Update: 64

Source: EPA Region 6 Telephone: 214-665-6597 Last EDR Contact: 12/06/2022

Next Scheduled EDR Contact: 01/30/2023 Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 04/20/2022 Date Data Arrived at EDR: 06/13/2022 Date Made Active in Reports: 08/16/2022

Number of Days to Update: 64

Source: EPA Region 10 Telephone: 206-553-2857 Last EDR Contact: 12/06/2022

Next Scheduled EDR Contact: 01/30/2023 Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 04/20/2022 Date Data Arrived at EDR: 06/13/2022 Date Made Active in Reports: 08/16/2022

Number of Days to Update: 64

Source: EPA Region 8 Telephone: 303-312-6271 Last EDR Contact: 12/06/2022

Next Scheduled EDR Contact: 01/30/2023 Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 04/28/2021 Date Data Arrived at EDR: 06/11/2021 Date Made Active in Reports: 09/07/2021

Number of Days to Update: 88

Source: EPA Region 1 Telephone: 617-918-1313 Last EDR Contact: 10/06/2022

Next Scheduled EDR Contact: 01/30/2023 Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 04/08/2022 Date Data Arrived at EDR: 06/13/2022 Date Made Active in Reports: 08/16/2022

Number of Days to Update: 64

Source: Environmental Protection Agency

Telephone: 415-972-3372 Last EDR Contact: 12/06/2022

Next Scheduled EDR Contact: 01/30/2023 Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 04/14/2022 Date Data Arrived at EDR: 06/13/2022 Date Made Active in Reports: 08/16/2022

Number of Days to Update: 64

Source: EPA Region 7 Telephone: 913-551-7003 Last EDR Contact: 12/06/2022

Next Scheduled EDR Contact: 01/30/2023 Data Release Frequency: Varies

CPS-SLIC: Statewide SLIC Cases (GEOTRACKER)

Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 08/31/2022 Date Data Arrived at EDR: 08/31/2022 Date Made Active in Reports: 11/17/2022

Number of Days to Update: 78

Source: State Water Resources Control Board

Telephone: 866-480-1028 Last EDR Contact: 12/02/2022

Next Scheduled EDR Contact: 03/20/2023 Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality

from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003 Date Data Arrived at EDR: 04/07/2003 Date Made Active in Reports: 04/25/2003

Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)

Telephone: 707-576-2220 Last EDR Contact: 08/01/2011

Next Scheduled EDR Contact: 11/14/2011 Data Release Frequency: No Update Planned

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality

from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004 Date Data Arrived at EDR: 10/20/2004 Date Made Active in Reports: 11/19/2004

Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)

Telephone: 510-286-0457 Last EDR Contact: 09/19/2011

Next Scheduled EDR Contact: 01/02/2012 Data Release Frequency: No Update Planned

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality

from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006 Date Data Arrived at EDR: 05/18/2006 Date Made Active in Reports: 06/15/2006

Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)

Telephone: 805-549-3147 Last EDR Contact: 07/18/2011

Next Scheduled EDR Contact: 10/31/2011 Data Release Frequency: No Update Planned

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality

from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004 Date Data Arrived at EDR: 11/18/2004 Date Made Active in Reports: 01/04/2005

Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)

Telephone: 213-576-6600 Last EDR Contact: 07/01/2011

Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality

from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005 Date Data Arrived at EDR: 04/05/2005 Date Made Active in Reports: 04/21/2005

Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)

Telephone: 916-464-3291 Last EDR Contact: 09/12/2011

Next Scheduled EDR Contact: 12/26/2011 Data Release Frequency: No Update Planned

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality

from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005 Date Data Arrived at EDR: 05/25/2005 Date Made Active in Reports: 06/16/2005

Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch

Telephone: 619-241-6583 Last EDR Contact: 08/15/2011

Next Scheduled EDR Contact: 11/28/2011 Data Release Frequency: No Update Planned

SLIC REG 6L: SLIC Sites

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality

from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004 Date Data Arrived at EDR: 09/07/2004 Date Made Active in Reports: 10/12/2004

Number of Days to Update: 35

Source: California Regional Water Quality Control Board, Lahontan Region

Telephone: 530-542-5574 Last EDR Contact: 08/15/2011

Next Scheduled EDR Contact: 11/28/2011 Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality

from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004 Date Data Arrived at EDR: 11/29/2004 Date Made Active in Reports: 01/04/2005

Number of Days to Update: 36

Source: California Regional Quality Control Board, Colorado River Basin Region

Telephone: 760-346-7491 Last EDR Contact: 08/01/2011

Next Scheduled EDR Contact: 11/14/2011 Data Release Frequency: No Update Planned

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality

from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008 Date Data Arrived at EDR: 04/03/2008 Date Made Active in Reports: 04/14/2008

Number of Days to Update: 11

Source: California Region Water Quality Control Board Santa Ana Region (8)

Telephone: 951-782-3298 Last EDR Contact: 09/12/2011

Next Scheduled EDR Contact: 12/26/2011 Data Release Frequency: No Update Planned

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality

from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007 Date Data Arrived at EDR: 09/11/2007 Date Made Active in Reports: 09/28/2007

Number of Days to Update: 17

Source: California Regional Water Quality Control Board San Diego Region (9)

Telephone: 858-467-2980 Last EDR Contact: 08/08/2011

Next Scheduled EDR Contact: 11/21/2011 Data Release Frequency: No Update Planned

Lists of state and tribal registered storage tanks

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 10/14/2021 Date Data Arrived at EDR: 11/05/2021 Date Made Active in Reports: 02/01/2022

Number of Days to Update: 88

Source: FEMA

Telephone: 202-646-5797 Last EDR Contact: 12/28/2022

Next Scheduled EDR Contact: 04/17/2023

Data Release Frequency: Varies

UST CLOSURE: Proposed Closure of Underground Storage Tank (UST) Cases

UST cases that are being considered for closure by either the State Water Resources Control Board or the Executive Director have been posted for a 60-day public comment period. UST Case Closures being proposed for consideration by the State Water Resources Control Board. These are primarily UST cases that meet closure criteria under the decisional framework in State Water Board Resolution No. 92-49 and other Board orders. UST Case Closures proposed for consideration by the Executive Director pursuant to State Water Board Resolution No. 2012-0061. These are cases that meet the criteria of the Low-Threat UST Case Closure Policy. UST Case Closure Review Denials and Approved Orders.

Date of Government Version: 08/24/2022 Date Data Arrived at EDR: 08/31/2022 Date Made Active in Reports: 11/21/2022

Number of Days to Update: 82

Source: State Water Resources Control Board

Telephone: 916-327-7844 Last EDR Contact: 12/02/2022

Next Scheduled EDR Contact: 03/20/2023 Data Release Frequency: Varies

UST: Active UST Facilities

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 08/31/2022 Date Data Arrived at EDR: 08/31/2022 Date Made Active in Reports: 11/28/2022

Number of Days to Update: 89

Source: SWRCB Telephone: 916-341-5851 Last EDR Contact: 12/02/2022

Next Scheduled EDR Contact: 03/20/2023 Data Release Frequency: Semi-Annually

MILITARY UST SITES: Military UST Sites (GEOTRACKER)

Military ust sites

Date of Government Version: 08/31/2022 Date Data Arrived at EDR: 08/31/2022 Date Made Active in Reports: 11/17/2022

Number of Days to Update: 78

Source: State Water Resources Control Board

Telephone: 866-480-1028 Last EDR Contact: 12/02/2022

Next Scheduled EDR Contact: 03/20/2023

Data Release Frequency: Varies

AST: Aboveground Petroleum Storage Tank Facilities

A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 07/06/2016 Date Data Arrived at EDR: 07/12/2016 Date Made Active in Reports: 09/19/2016

Number of Days to Update: 69

Source: California Environmental Protection Agency

Telephone: 916-327-5092 Last EDR Contact: 12/06/2022

Next Scheduled EDR Contact: 03/27/2023

Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 06/02/2022 Date Data Arrived at EDR: 06/13/2022 Date Made Active in Reports: 08/31/2022

Number of Days to Update: 79

Source: EPA Region 4 Telephone: 404-562-9424 Last EDR Contact: 12/06/2022

Next Scheduled EDR Contact: 01/30/2023 Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 04/20/2022 Date Data Arrived at EDR: 06/13/2022 Date Made Active in Reports: 08/16/2022

Number of Days to Update: 64

Source: EPA Region 10 Telephone: 206-553-2857 Last EDR Contact: 12/06/2022

Next Scheduled EDR Contact: 01/30/2023 Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 04/14/2022 Date Data Arrived at EDR: 06/13/2022 Date Made Active in Reports: 08/16/2022

Number of Days to Update: 64

Source: EPA Region 7 Telephone: 913-551-7003 Last EDR Contact: 12/06/2022

Next Scheduled EDR Contact: 01/30/2023 Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 04/20/2022 Date Data Arrived at EDR: 06/13/2022 Date Made Active in Reports: 08/16/2022

Number of Days to Update: 64

Source: EPA Region 8 Telephone: 303-312-6137 Last EDR Contact: 12/06/2022

Next Scheduled EDR Contact: 01/30/2023 Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 04/08/2022 Date Data Arrived at EDR: 06/13/2022 Date Made Active in Reports: 08/16/2022

Number of Days to Update: 64

Source: EPA Region 9 Telephone: 415-972-3368 Last EDR Contact: 12/06/2022

Next Scheduled EDR Contact: 01/30/2023

Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 04/07/2022 Date Data Arrived at EDR: 06/13/2022 Date Made Active in Reports: 08/16/2022

Number of Days to Update: 64

Source: EPA, Region 1 Telephone: 617-918-1313 Last EDR Contact: 12/06/2022

Next Scheduled EDR Contact: 01/30/2023

Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 04/28/2022 Date Data Arrived at EDR: 06/13/2022 Date Made Active in Reports: 08/16/2022

Number of Days to Update: 64

Source: EPA Region 6 Telephone: 214-665-7591 Last EDR Contact: 12/06/2022

Next Scheduled EDR Contact: 01/30/2023

Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 04/11/2022 Date Data Arrived at EDR: 06/13/2022 Date Made Active in Reports: 08/16/2022

Number of Days to Update: 64

Source: EPA Region 5 Telephone: 312-886-6136 Last EDR Contact: 12/06/2022

Next Scheduled EDR Contact: 01/30/2023

Data Release Frequency: Varies

Lists of state and tribal voluntary cleanup sites

VCP: Voluntary Cleanup Program Properties

Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 07/25/2022 Date Data Arrived at EDR: 07/25/2022 Date Made Active in Reports: 10/05/2022

Number of Days to Update: 72

Source: Department of Toxic Substances Control

Telephone: 916-323-3400 Last EDR Contact: 10/24/2022

Next Scheduled EDR Contact: 02/06/2023 Data Release Frequency: Quarterly

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008 Date Data Arrived at EDR: 04/22/2008 Date Made Active in Reports: 05/19/2008

Number of Days to Update: 27

Source: EPA, Region 7 Telephone: 913-551-7365 Last EDR Contact: 07/08/2021

Next Scheduled EDR Contact: 07/20/2009 Data Release Frequency: Varies

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015 Date Data Arrived at EDR: 09/29/2015 Date Made Active in Reports: 02/18/2016

Number of Days to Update: 142

Source: EPA, Region 1 Telephone: 617-918-1102 Last EDR Contact: 12/13/2022

Next Scheduled EDR Contact: 04/03/2023

Data Release Frequency: Varies

Lists of state and tribal brownfield sites

BROWNFIELDS: Considered Brownfieds Sites Listing

A listing of sites the SWRCB considers to be Brownfields since these are sites have come to them through the MOA Process.

Date of Government Version: 09/19/2022 Date Data Arrived at EDR: 09/19/2022 Date Made Active in Reports: 12/07/2022

Number of Days to Update: 79

Source: State Water Resources Control Board

Telephone: 916-323-7905 Last EDR Contact: 12/14/2022

Next Scheduled EDR Contact: 04/03/2023 Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 02/23/2022 Date Data Arrived at EDR: 03/10/2022 Date Made Active in Reports: 03/10/2022

Number of Days to Update: 0

Source: Environmental Protection Agency

Telephone: 202-566-2777 Last EDR Contact: 12/07/2022

Next Scheduled EDR Contact: 03/27/2023 Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT: Waste Management Unit Database

Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000 Date Data Arrived at EDR: 04/10/2000 Date Made Active in Reports: 05/10/2000

Number of Days to Update: 30

Source: State Water Resources Control Board

Telephone: 916-227-4448 Last EDR Contact: 10/20/2022

Next Scheduled EDR Contact: 02/06/2023 Data Release Frequency: No Update Planned

SWRCY: Recycler Database

A listing of recycling facilities in California.

Date of Government Version: 08/31/2022 Date Data Arrived at EDR: 08/31/2022 Date Made Active in Reports: 11/18/2022

Number of Days to Update: 79

Source: Department of Conservation

Telephone: 916-323-3836 Last EDR Contact: 12/02/2022

Next Scheduled EDR Contact: 03/20/2023 Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing A listing of registered waste tire haulers.

Date of Government Version: 08/12/2022 Date Data Arrived at EDR: 08/16/2022 Date Made Active in Reports: 08/26/2022

Number of Days to Update: 10

Source: Integrated Waste Management Board

Telephone: 916-341-6422 Last EDR Contact: 11/15/2022

Next Scheduled EDR Contact: 02/20/2023 Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998 Date Data Arrived at EDR: 12/03/2007 Date Made Active in Reports: 01/24/2008

Number of Days to Update: 52

Source: Environmental Protection Agency

Telephone: 703-308-8245 Last EDR Contact: 10/20/2022

Next Scheduled EDR Contact: 02/06/2023 Data Release Frequency: Varies

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009 Date Data Arrived at EDR: 05/07/2009 Date Made Active in Reports: 09/21/2009

Number of Days to Update: 137

Source: EPA, Region 9 Telephone: 415-947-4219 Last EDR Contact: 10/11/2022

Next Scheduled EDR Contact: 01/30/2023 Data Release Frequency: No Update Planned

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985 Date Data Arrived at EDR: 08/09/2004 Date Made Active in Reports: 09/17/2004

Number of Days to Update: 39

Source: Environmental Protection Agency

Telephone: 800-424-9346 Last EDR Contact: 06/09/2004 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land

A listing of all open dumps located on Indian Land in the United States

Date of Government Version: 04/01/2014 Date Data Arrived at EDR: 08/06/2014 Date Made Active in Reports: 01/29/2015

Telephone: 301-443-1452 Last EDR Contact: 10/28/2022

Number of Days to Update: 176

Next Scheduled EDR Contact: 02/06/2023 Data Release Frequency: Varies

Source: Department of Health & Human Serivces, Indian Health Service

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 07/29/2022 Date Data Arrived at EDR: 08/18/2022 Date Made Active in Reports: 10/24/2022

Telephone: 202-307-1000 Last EDR Contact: 11/16/2022

Number of Days to Update: 67

Next Scheduled EDR Contact: 03/06/2023 Data Release Frequency: No Update Planned

Source: Drug Enforcement Administration

HIST CAL-SITES: Calsites Database

The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005 Date Data Arrived at EDR: 08/03/2006 Date Made Active in Reports: 08/24/2006 Source: Department of Toxic Substance Control Telephone: 916-323-3400

Last EDR Contact: 02/23/2009

Number of Days to Update: 21

Next Scheduled EDR Contact: 05/25/2009 Data Release Frequency: No Update Planned

SCH: School Property Evaluation Program

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 07/25/2022 Date Data Arrived at EDR: 07/25/2022 Date Made Active in Reports: 10/05/2022 Source: Department of Toxic Substances Control

Telephone: 916-323-3400 Last EDR Contact: 10/24/2022

Number of Days to Update: 72

Next Scheduled EDR Contact: 02/06/2023 Data Release Frequency: Quarterly

CDL: Clandestine Drug Labs

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 12/31/2019 Date Data Arrived at EDR: 01/20/2021

Source: Department of Toxic Substances Control

Date Made Active in Reports: 04/08/2021

Telephone: 916-255-6504 Last EDR Contact: 11/23/2022

Number of Days to Update: 78

Next Scheduled EDR Contact: 02/13/2023 Data Release Frequency: Varies

CERS HAZ WASTE: CERS HAZ WASTE

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

Date of Government Version: 01/05/2023 Date Data Arrived at EDR: 01/06/2023 Date Made Active in Reports: 01/11/2023

Number of Days to Update: 5

Source: CalEPA

Telephone: 916-323-2514 Last EDR Contact: 01/06/2023

Next Scheduled EDR Contact: 01/30/2023 Data Release Frequency: Quarterly

TOXIC PITS: Toxic Pits Cleanup Act Sites

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup

has not yet been completed.

Date of Government Version: 07/01/1995 Date Data Arrived at EDR: 08/30/1995 Date Made Active in Reports: 09/26/1995

Number of Days to Update: 27

Source: State Water Resources Control Board

Telephone: 916-227-4364 Last EDR Contact: 01/26/2009

Next Scheduled EDR Contact: 04/27/2009

Data Release Frequency: No Update Planned

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 07/29/2022 Date Data Arrived at EDR: 08/18/2022 Date Made Active in Reports: 10/24/2022

Number of Days to Update: 67

Source: Drug Enforcement Administration

Telephone: 202-307-1000 Last EDR Contact: 11/16/2022

Next Scheduled EDR Contact: 03/06/2023 Data Release Frequency: Quarterly

Local Lists of Registered Storage Tanks

SWEEPS UST: SWEEPS UST Listing

Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

Date of Government Version: 06/01/1994 Date Data Arrived at EDR: 07/07/2005 Date Made Active in Reports: 08/11/2005

Number of Days to Update: 35

Source: State Water Resources Control Board

Telephone: N/A

Last EDR Contact: 06/03/2005 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

HIST UST: Hazardous Substance Storage Container Database

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990 Date Data Arrived at EDR: 01/25/1991 Date Made Active in Reports: 02/12/1991

Number of Days to Update: 18

Source: State Water Resources Control Board

Telephone: 916-341-5851 Last EDR Contact: 07/26/2001 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

SAN FRANCISCO AST: Aboveground Storage Tank Site Listing

Aboveground storage tank sites

Date of Government Version: 08/04/2022 Date Data Arrived at EDR: 08/04/2022 Date Made Active in Reports: 10/20/2022

Number of Days to Update: 77

Source: San Francisco County Department of Public Health

Telephone: 415-252-3896 Last EDR Contact: 10/26/2022

Next Scheduled EDR Contact: 02/16/2023

Data Release Frequency: Varies

CERS TANKS: California Environmental Reporting System (CERS) Tanks

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs.

Date of Government Version: 01/06/2023 Date Data Arrived at EDR: 01/06/2023 Date Made Active in Reports: 01/11/2023

Number of Days to Update: 5

Source: California Environmental Protection Agency

Telephone: 916-323-2514 Last EDR Contact: 10/17/2022

Next Scheduled EDR Contact: 01/30/2023 Data Release Frequency: Quarterly

CA FID UST: Facility Inventory Database

The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994 Date Data Arrived at EDR: 09/05/1995 Date Made Active in Reports: 09/29/1995

Number of Days to Update: 24

Source: California Environmental Protection Agency

Telephone: 916-341-5851 Last EDR Contact: 12/28/1998 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

Local Land Records

LIENS: Environmental Liens Listing

A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 08/23/2022 Date Data Arrived at EDR: 08/24/2022 Date Made Active in Reports: 11/14/2022

Number of Days to Update: 82

Source: Department of Toxic Substances Control

Telephone: 916-323-3400 Last EDR Contact: 01/05/2023

Next Scheduled EDR Contact: 03/13/2023

Data Release Frequency: Varies

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 10/27/2022 Date Data Arrived at EDR: 11/01/2022 Date Made Active in Reports: 11/15/2022

Number of Days to Update: 14

Source: Environmental Protection Agency

Telephone: 202-564-6023 Last EDR Contact: 01/03/2023

Next Scheduled EDR Contact: 04/10/2023 Data Release Frequency: Semi-Annually

DEED: Deed Restriction Listing

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 08/25/2022 Date Data Arrived at EDR: 08/25/2022 Date Made Active in Reports: 11/14/2022

Number of Days to Update: 81

Source: DTSC and SWRCB Telephone: 916-323-3400 Last EDR Contact: 11/29/2022

Next Scheduled EDR Contact: 03/13/2023 Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 09/19/2022 Date Data Arrived at EDR: 09/19/2022 Date Made Active in Reports: 09/30/2022

Number of Days to Update: 11

Source: U.S. Department of Transportation

Telephone: 202-366-4555 Last EDR Contact: 12/14/2022

Next Scheduled EDR Contact: 04/03/2023 Data Release Frequency: Quarterly

CHMIRS: California Hazardous Material Incident Report System

California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material

incidents (accidental releases or spills).

Date of Government Version: 08/02/2022 Date Data Arrived at EDR: 10/17/2022 Date Made Active in Reports: 01/04/2023

Number of Days to Update: 79

Source: Office of Emergency Services

Telephone: 916-845-8400 Last EDR Contact: 10/17/2022

Next Scheduled EDR Contact: 01/30/2023 Data Release Frequency: Semi-Annually

LDS: Land Disposal Sites Listing (GEOTRACKER)

Land Disposal sites (Landfills) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 08/31/2022 Date Data Arrived at EDR: 08/31/2022 Date Made Active in Reports: 11/17/2022

Number of Days to Update: 78

Source: State Water Quality Control Board

Telephone: 866-480-1028 Last EDR Contact: 12/02/2022

Next Scheduled EDR Contact: 03/20/2023 Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing (GEOTRACKER)

Military sites (consisting of: Military UST sites; Military Privatized sites; and Military Cleanup sites [formerly known as DoD non UST]) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 08/31/2022 Date Data Arrived at EDR: 08/31/2022 Date Made Active in Reports: 11/17/2022

Number of Days to Update: 78

Source: State Water Resources Control Board

Telephone: 866-480-1028 Last EDR Contact: 12/02/2022

Next Scheduled EDR Contact: 03/20/2023 Data Release Frequency: Quarterly

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/06/2012 Date Data Arrived at EDR: 01/03/2013 Date Made Active in Reports: 02/22/2013 Number of Days to Update: 50 Source: FirstSearch Telephone: N/A

Last EDR Contact: 01/03/2013 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 11/21/2022 Date Data Arrived at EDR: 11/21/2022 Date Made Active in Reports: 12/05/2022

Number of Days to Update: 14

Source: Environmental Protection Agency

Telephone: (415) 495-8895 Last EDR Contact: 12/21/2022

Next Scheduled EDR Contact: 04/03/2023 Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 08/11/2022 Date Data Arrived at EDR: 08/11/2022 Date Made Active in Reports: 09/30/2022

Number of Days to Update: 50

Source: U.S. Army Corps of Engineers

Telephone: 202-528-4285 Last EDR Contact: 11/10/2022

Next Scheduled EDR Contact: 02/27/2023

Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 06/07/2021 Date Data Arrived at EDR: 07/13/2021 Date Made Active in Reports: 03/09/2022

Number of Days to Update: 239

Source: USGS

Telephone: 888-275-8747 Last EDR Contact: 10/13/2022

Next Scheduled EDR Contact: 01/23/2023

Data Release Frequency: Varies

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 04/02/2018 Date Data Arrived at EDR: 04/11/2018 Date Made Active in Reports: 11/06/2019

Number of Days to Update: 574

Source: U.S. Geological Survey Telephone: 888-275-8747 Last EDR Contact: 01/03/2023

Next Scheduled EDR Contact: 04/17/2023

Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 01/01/2017 Date Data Arrived at EDR: 02/03/2017 Date Made Active in Reports: 04/07/2017

Number of Days to Update: 63

Source: Environmental Protection Agency

Telephone: 615-532-8599 Last EDR Contact: 11/03/2022

Next Scheduled EDR Contact: 02/20/2023 Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 09/19/2022 Date Data Arrived at EDR: 09/20/2022 Date Made Active in Reports: 12/22/2022

Number of Days to Update: 93

Source: Environmental Protection Agency

Telephone: 202-566-1917 Last EDR Contact: 12/14/2022

Next Scheduled EDR Contact: 04/03/2023 Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013 Date Data Arrived at EDR: 03/21/2014 Date Made Active in Reports: 06/17/2014

Number of Days to Update: 88

Source: Environmental Protection Agency

Telephone: 617-520-3000 Last EDR Contact: 10/28/2022

Next Scheduled EDR Contact: 02/16/2023 Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017 Date Data Arrived at EDR: 05/08/2018 Date Made Active in Reports: 07/20/2018

Number of Days to Update: 73

Source: Environmental Protection Agency

Telephone: 703-308-4044 Last EDR Contact: 10/28/2022

Next Scheduled EDR Contact: 02/16/2023 Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2016 Date Data Arrived at EDR: 06/17/2020 Date Made Active in Reports: 09/10/2020

Number of Days to Update: 85

Source: EPA

Telephone: 202-260-5521 Last EDR Contact: 12/12/2022

Next Scheduled EDR Contact: 03/27/2023 Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2018 Date Data Arrived at EDR: 08/14/2020 Date Made Active in Reports: 11/04/2020

Number of Days to Update: 82

Source: EPA

Telephone: 202-566-0250 Last EDR Contact: 11/01/2022

Next Scheduled EDR Contact: 02/27/2023 Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 10/17/2022 Date Data Arrived at EDR: 10/18/2022 Date Made Active in Reports: 01/10/2023

Number of Days to Update: 84

Source: EPA

Telephone: 202-564-4203 Last EDR Contact: 10/18/2022

Next Scheduled EDR Contact: 01/30/2023 Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 10/27/2022 Date Data Arrived at EDR: 11/01/2022 Date Made Active in Reports: 11/15/2022

Number of Days to Update: 14

Source: EPA

Telephone: 703-416-0223 Last EDR Contact: 01/03/2023

Next Scheduled EDR Contact: 03/13/2023 Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 04/27/2022 Date Data Arrived at EDR: 05/04/2022 Date Made Active in Reports: 05/10/2022

Number of Days to Update: 6

Source: Environmental Protection Agency

Telephone: 202-564-8600 Last EDR Contact: 10/27/2022

Next Scheduled EDR Contact: 01/30/2023 Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995 Date Data Arrived at EDR: 07/03/1995 Date Made Active in Reports: 08/07/1995

Number of Days to Update: 35

Source: EPA

Telephone: 202-564-4104 Last EDR Contact: 06/02/2008

Next Scheduled EDR Contact: 09/01/2008 Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 10/27/2022 Date Data Arrived at EDR: 11/01/2022 Date Made Active in Reports: 11/15/2022

Number of Days to Update: 14

Source: EPA

Telephone: 202-564-6023 Last EDR Contact: 01/03/2023

Next Scheduled EDR Contact: 02/16/2023 Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 01/20/2022 Date Data Arrived at EDR: 01/20/2022 Date Made Active in Reports: 03/25/2022

Number of Days to Update: 64

Source: EPA

Telephone: 202-566-0500 Last EDR Contact: 01/04/2023

Next Scheduled EDR Contact: 04/17/2023 Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016 Date Data Arrived at EDR: 11/23/2016 Date Made Active in Reports: 02/10/2017

Number of Days to Update: 79

Source: Environmental Protection Agency

Telephone: 202-564-2501 Last EDR Contact: 12/28/2022

Next Scheduled EDR Contact: 04/17/2023 Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009 Date Data Arrived at EDR: 04/16/2009 Date Made Active in Reports: 05/11/2009

Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances

Telephone: 202-566-1667 Last EDR Contact: 08/18/2017

Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009 Date Data Arrived at EDR: 04/16/2009 Date Made Active in Reports: 05/11/2009

Number of Days to Update: 25

Source: EPA

Telephone: 202-566-1667 Last EDR Contact: 08/18/2017

Next Scheduled EDR Contact: 12/04/2017 Data Release Frequency: No Update Planned

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 10/26/2022 Date Data Arrived at EDR: 11/22/2022 Date Made Active in Reports: 12/05/2022

Number of Days to Update: 13

Source: Nuclear Regulatory Commission

Telephone: 301-415-7169 Last EDR Contact: 10/11/2022

Next Scheduled EDR Contact: 01/30/2023 Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2020 Date Data Arrived at EDR: 11/30/2021 Date Made Active in Reports: 02/22/2022

Number of Days to Update: 84

Source: Department of Energy Telephone: 202-586-8719 Last EDR Contact: 11/29/2022

Next Scheduled EDR Contact: 03/13/2023 Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 01/12/2017 Date Data Arrived at EDR: 03/05/2019 Date Made Active in Reports: 11/11/2019

Number of Days to Update: 251

Source: Environmental Protection Agency

Telephone: N/A

Last EDR Contact: 11/23/2022

Next Scheduled EDR Contact: 03/13/2023

Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 09/13/2019 Date Data Arrived at EDR: 11/06/2019 Date Made Active in Reports: 02/10/2020

Number of Days to Update: 96

Source: Environmental Protection Agency

Telephone: 202-566-0517 Last EDR Contact: 11/03/2022

Next Scheduled EDR Contact: 02/13/2023 Data Release Frequency: Varies

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S.

Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/01/2019 Date Data Arrived at EDR: 07/01/2019 Date Made Active in Reports: 09/23/2019

Number of Days to Update: 84

Source: Environmental Protection Agency

Telephone: 202-343-9775 Last EDR Contact: 12/20/2022

Next Scheduled EDR Contact: 04/10/2023 Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006 Date Data Arrived at EDR: 03/01/2007 Date Made Active in Reports: 04/10/2007

Number of Days to Update: 40

Source: Environmental Protection Agency

Telephone: 202-564-2501 Last EDR Contact: 12/17/2007

Next Scheduled EDR Contact: 03/17/2008 Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006 Date Data Arrived at EDR: 03/01/2007 Date Made Active in Reports: 04/10/2007

Number of Days to Update: 40

Source: Environmental Protection Agency

Telephone: 202-564-2501 Last EDR Contact: 12/17/2008

Next Scheduled EDR Contact: 03/17/2008 Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 01/02/2020 Date Data Arrived at EDR: 01/28/2020 Date Made Active in Reports: 04/17/2020

Number of Days to Update: 80

Source: Department of Transporation, Office of Pipeline Safety

Telephone: 202-366-4595 Last EDR Contact: 10/24/2022

Next Scheduled EDR Contact: 02/06/2023 Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 09/30/2022 Date Data Arrived at EDR: 10/21/2022 Date Made Active in Reports: 01/10/2023

Number of Days to Update: 81

Source: Department of Justice, Consent Decree Library

Telephone: Varies

Last EDR Contact: 01/03/2023

Next Scheduled EDR Contact: 04/17/2023 Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2019 Date Data Arrived at EDR: 03/02/2022 Date Made Active in Reports: 03/25/2022

Number of Days to Update: 23

Source: EPA/NTIS Telephone: 800-424-9346 Last EDR Contact: 12/21/2022

Next Scheduled EDR Contact: 04/03/2023 Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater

than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Lindate: 546

Number of Days to Update: 546

Source: USGS

Telephone: 202-208-3710 Last EDR Contact: 01/06/2023

Next Scheduled EDR Contact: 04/17/2023 Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 07/26/2021 Date Data Arrived at EDR: 07/27/2021 Date Made Active in Reports: 10/22/2021

Number of Days to Update: 87

Source: Department of Energy Telephone: 202-586-3559 Last EDR Contact: 10/27/2022

Next Scheduled EDR Contact: 02/16/2023 Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 08/30/2019 Date Data Arrived at EDR: 11/15/2019 Date Made Active in Reports: 01/28/2020

Number of Days to Update: 74

Source: Department of Energy Telephone: 505-845-0011 Last EDR Contact: 11/09/2022

Next Scheduled EDR Contact: 02/27/2023 Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 10/27/2022 Date Data Arrived at EDR: 11/01/2022 Date Made Active in Reports: 11/15/2022

Number of Days to Update: 14

Source: Environmental Protection Agency

Telephone: 703-603-8787 Last EDR Contact: 01/03/2023

Next Scheduled EDR Contact: 04/10/2023 Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001 Date Data Arrived at EDR: 10/27/2010 Date Made Active in Reports: 12/02/2010

Number of Days to Update: 36

Source: American Journal of Public Health

Telephone: 703-305-6451 Last EDR Contact: 12/02/2009 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016 Date Data Arrived at EDR: 10/26/2016 Date Made Active in Reports: 02/03/2017

Number of Days to Update: 100

Source: EPA

Telephone: 202-564-2496 Last EDR Contact: 09/26/2017

Next Scheduled EDR Contact: 01/08/2018 Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data A listing of minor source facilities.

Date of Government Version: 10/12/2016 Date Data Arrived at EDR: 10/26/2016 Date Made Active in Reports: 02/03/2017

Number of Days to Update: 100

Source: EPA

Telephone: 202-564-2496 Last EDR Contact: 09/26/2017

Next Scheduled EDR Contact: 01/08/2018 Data Release Frequency: Annually

MINES VIOLATIONS: MSHA Violation Assessment Data

Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 11/29/2022 Date Data Arrived at EDR: 11/30/2022 Date Made Active in Reports: 12/22/2022

Number of Days to Update: 22

Source: DOL, Mine Safety & Health Admi

Telephone: 202-693-9424 Last EDR Contact: 01/03/2023

Next Scheduled EDR Contact: 03/13/2023 Data Release Frequency: Quarterly

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 08/03/2022 Date Data Arrived at EDR: 08/17/2022 Date Made Active in Reports: 08/31/2022

Number of Days to Update: 14

Source: Department of Labor, Mine Safety and Health Administration

Telephone: 303-231-5959 Last EDR Contact: 11/17/2022

Next Scheduled EDR Contact: 03/06/2023 Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 05/06/2020 Date Data Arrived at EDR: 05/27/2020 Date Made Active in Reports: 08/13/2020

Number of Days to Update: 78

Source: USGS

Telephone: 703-648-7709 Last EDR Contact: 11/21/2022

Next Scheduled EDR Contact: 03/06/2023

Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011 Date Data Arrived at EDR: 06/08/2011 Date Made Active in Reports: 09/13/2011

Number of Days to Update: 97

Source: USGS

Telephone: 703-648-7709 Last EDR Contact: 11/21/2022

Next Scheduled EDR Contact: 03/06/2023 Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 09/13/2022 Date Data Arrived at EDR: 09/14/2022 Date Made Active in Reports: 12/05/2022

Number of Days to Update: 82

Source: Department of Interior Telephone: 202-208-2609 Last EDR Contact: 12/13/2022

Next Scheduled EDR Contact: 03/20/2023 Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 08/03/2022 Date Data Arrived at EDR: 08/25/2022 Date Made Active in Reports: 10/24/2022

Number of Days to Update: 60

Source: EPA Telephone: (415) 947-8000 Last EDR Contact: 11/29/2022

Next Scheduled EDR Contact: 03/13/2023 Data Release Frequency: Quarterly

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 09/25/2022 Date Data Arrived at EDR: 09/30/2022 Date Made Active in Reports: 12/22/2022

Number of Days to Update: 83

Source: Environmental Protection Agency

Telephone: 202-564-2280 Last EDR Contact: 01/04/2023

Next Scheduled EDR Contact: 04/17/2023 Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/06/2021 Date Data Arrived at EDR: 05/21/2021 Date Made Active in Reports: 08/11/2021

Number of Days to Update: 82

Source: Environmental Protection Agency

Telephone: 202-564-0527 Last EDR Contact: 11/15/2022

Next Scheduled EDR Contact: 03/06/2023 Data Release Frequency: Varies

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 11/09/2021 Date Data Arrived at EDR: 10/20/2022 Date Made Active in Reports: 01/10/2023

Number of Days to Update: 82

Source: Department of Defense Telephone: 703-704-1564 Last EDR Contact: 01/09/2023

Next Scheduled EDR Contact: 04/24/2023 Data Release Frequency: Varies

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 08/11/2022 Date Data Arrived at EDR: 08/11/2022 Date Made Active in Reports: 09/30/2022

Number of Days to Update: 50

Source: EPA

Telephone: 800-385-6164 Last EDR Contact: 11/10/2022

Next Scheduled EDR Contact: 02/27/2023 Data Release Frequency: Quarterly

PFAS NPL: Superfund Sites with PFAS Detections Information

EPA's Office of Land and Emergency Management and EPA Regional Offices maintain data describing what is known about site investigations, contamination, and remedial actions under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) where PFAS is present in the environment.

Date of Government Version: 02/23/2022
Date Data Arrived at EDR: 07/08/2022
Date Made Active in Reports: 11/08/2022

Number of Days to Update: 123

Source: Environmental Protection Agency

Telephone: 703-603-8895 Last EDR Contact: 01/10/2023

Next Scheduled EDR Contact: 04/17/2023 Data Release Frequency: Varies

PFAS FEDERAL SITES: Federal Sites PFAS Information

Several federal entities, such as the federal Superfund program, Department of Defense, National Aeronautics and Space Administration, Department of Transportation, and Department of Energy provided information for sites with known or suspected detections at federal facilities.

Date of Government Version: 02/23/2022 Date Data Arrived at EDR: 03/31/2022 Date Made Active in Reports: 11/08/2022

Number of Days to Update: 222

Source: Environmental Protection Agency

Telephone: 202-272-0167 Last EDR Contact: 01/05/2023

Next Scheduled EDR Contact: 04/17/2023 Data Release Frequency: Varies

PFAS TSCA: PFAS Manufacture and Imports Information

EPA issued the Chemical Data Reporting (CDR) Rule under the Toxic Substances Control Act (TSCA) and requires chemical manufacturers and facilities that manufacture or import chemical substances to report data to EPA. EPA publishes non-confidential business information (non-CBI) and includes descriptive information about each site, corporate parent, production volume, other manufacturing information, and processing and use information.

Date of Government Version: 01/03/2022 Date Data Arrived at EDR: 03/31/2022 Date Made Active in Reports: 11/08/2022

Number of Days to Update: 222

Source: Environmental Protection Agency

Telephone: 202-272-0167 Last EDR Contact: 01/05/2023

Next Scheduled EDR Contact: 04/17/2023 Data Release Frequency: Varies

PFAS RCRA MANIFEST: PFAS Transfers Identified In the RCRA Database Listing

To work around the lack of PFAS waste codes in the RCRA database, EPA developed the PFAS Transfers dataset by mining e-Manifest records containing at least one of these common PFAS keywords: PFAS, PFOA, PFOS, PERFL, AFFF, GENX, GEN-X (plus the VT waste codes). These keywords were searched for in the following text fields: Manifest handling instructions (MANIFEST_HANDLING_INSTR), Non-hazardous waste description (NON_HAZ_WASTE_DESCRIPTION), DOT printed information (DOT_PRINTED_INFORMATION), Waste line handling instructions (WASTE_LINE_HANDLING_INSTR), Waste residue comments (WASTE_RESIDUE_COMMENTS).

Date of Government Version: 01/03/2022 Date Data Arrived at EDR: 03/31/2022 Date Made Active in Reports: 11/08/2022

Number of Days to Update: 222

Source: Environmental Protection Agency

Telephone: 202-272-0167 Last EDR Contact: 01/05/2023

Next Scheduled EDR Contact: 04/17/2023 Data Release Frequency: Varies

PFAS ATSDR: PFAS Contamination Site Location Listing

PFAS contamination site locations from the Department of Health & Human Services, Center for Disease Control & Prevention. ATSDR is involved at a number of PFAS-related sites, either directly or through assisting state and federal partners. As of now, most sites are related to drinking water contamination connected with PFAS production facilities or fire training areas where aqueous film-forming firefighting foam (AFFF) was regularly used.

Date of Government Version: 06/24/2020 Date Data Arrived at EDR: 03/17/2021 Date Made Active in Reports: 11/08/2022

Number of Days to Update: 601

Source: Department of Health & Human Services

Telephone: 202-741-5770 Last EDR Contact: 10/28/2022

Next Scheduled EDR Contact: 02/06/2023 Data Release Frequency: Varies

PFAS WQP: Ambient Environmental Sampling for PFAS

The Water Quality Portal (WQP) is a part of a modernized repository storing ambient sampling data for all environmental media and tissue samples. A wide range of federal, state, tribal and local governments, academic and non-governmental organizations and individuals submit project details and sampling results to this public repository. The information is commonly used for research and assessments of environmental quality.

Date of Government Version: 01/03/2022 Date Data Arrived at EDR: 03/31/2022 Date Made Active in Reports: 11/08/2022

Number of Days to Update: 222

Source: Environmental Protection Agency

Telephone: 202-272-0167 Last EDR Contact: 01/05/2023

Next Scheduled EDR Contact: 04/17/2023 Data Release Frequency: Varies

PFAS NPDES: Clean Water Act Discharge Monitoring Information

Any discharger of pollutants to waters of the United States from a point source must have a National Pollutant Discharge Elimination System (NPDES) permit. The process for obtaining limits involves the regulated entity (permittee) disclosing releases in a NPDES permit application and the permitting authority (typically the state but sometimes EPA) deciding whether to require monitoring or monitoring with limits.

Date of Government Version: 01/03/2022 Date Data Arrived at EDR: 03/31/2022 Date Made Active in Reports: 11/08/2022

Number of Days to Update: 222

Source: Environmental Protection Agency

Telephone: 202-272-0167 Last EDR Contact: 01/05/2023

Next Scheduled EDR Contact: 04/17/2023 Data Release Frequency: Varies

PFAS ECHO: Facilities in Industries that May Be Handling PFAS Listing

Regulators and the public have expressed interest in knowing which regulated entities may be using PFAS. EPA has developed a dataset from various sources that show which industries may be handling PFAS. Approximately 120,000 facilities subject to federal environmental programs have operated or currently operate in industry sectors with processes that may involve handling and/or release of PFAS.

Date of Government Version: 01/03/2022 Date Data Arrived at EDR: 03/31/2022 Date Made Active in Reports: 11/08/2022

Number of Days to Update: 222

Source: Environmental Protection Agency

Telephone: 202-272-0167 Last EDR Contact: 01/05/2023

Next Scheduled EDR Contact: 04/17/2023 Data Release Frequency: Varies

PFAS ECHO FIRE TRAINING: Facilities in Industries that May Be Handling PFAS Listing

A list of fire training sites was added to the Industry Sectors dataset using a keyword search on the permitted facilitys name to identify sites where fire-fighting foam may have been used in training exercises. Additionally, you may view an example spreadsheet of the subset of fire training facility data, as well as the keywords used in selecting or deselecting a facility for the subset. as well as the keywords used in selecting or deselecting a facility for the subset. These keywords were tested to maximize accuracy in selecting facilities that may use fire-fighting foam in training exercises, however, due to the lack of a required reporting field in the data systems for designating fire training sites, this methodology may not identify all fire training sites or may potentially misidentify them.

Date of Government Version: 08/22/2018 Date Data Arrived at EDR: 03/31/2022 Date Made Active in Reports: 11/08/2022

Number of Days to Update: 222

Source: Environmental Protection Agency

Telephone: 202-272-0167 Last EDR Contact: 01/05/2023

Next Scheduled EDR Contact: 04/17/2023

Data Release Frequency: Varies

PFAS PART 139 AIRPORT: All Certified Part 139 Airports PFAS Information Listing

Since July 1, 2006, all certified part 139 airports are required to have fire-fighting foam onsite that meet military specifications (MIL-F-24385) (14 CFR 139.317). To date, these military specification fire-fighting foams are fluorinated and have been historically used for training and extinguishing. The 2018 FAA Reauthorization Act has a provision stating that no later than October 2021, FAA shall not require the use of fluorinated AFFF. This provision does not prohibit the use of fluorinated AFFF at Part 139 civilian airports; it only prohibits FAA from mandating its use. The Federal Aviation Administration?s document AC 150/5210-6D - Aircraft Fire Extinguishing Agents provides guidance on Aircraft Fire Extinguishing Agents, which includes Aqueous Film Forming Foam (AFFF).

Date of Government Version: 08/22/2018 Date Data Arrived at EDR: 10/26/2022 Date Made Active in Reports: 11/08/2022

Number of Days to Update: 13

Source: Environmental Protection Agency

Telephone: 202-272-0167 Last EDR Contact: 01/05/2023

Next Scheduled EDR Contact: 04/17/2023 Data Release Frequency: Varies

AQUEOUS FOAM NRC: Aqueous Foam Related Incidents Listing

The National Response Center (NRC) serves as an emergency call center that fields initial reports for pollution and railroad incidents and forwards that information to appropriate federal/state agencies for response. The spreadsheets posted to the NRC website contain initial incident data that has not been validated or investigated by a federal/state response agency. Response center calls from 1990 to the most recent complete calendar year where there was indication of Aqueous Film Forming Foam (AFFF) usage are included in this dataset. NRC calls may reference AFFF usage in the ?Material Involved? or ?Incident Description? fields.

Date of Government Version: 02/23/2022 Date Data Arrived at EDR: 03/31/2022 Date Made Active in Reports: 11/08/2022

Number of Days to Update: 222

Source: Environmental Protection Agency

Telephone: 202-272-0167 Last EDR Contact: 01/05/2023

Next Scheduled EDR Contact: 04/17/2023

Data Release Frequency: Varies

PFAS: PFAS Contamination Site Location Listing

A listing of PFAS contaminated sites included in the GeoTracker database.

Date of Government Version: 08/31/2022 Date Data Arrived at EDR: 08/31/2022 Date Made Active in Reports: 10/31/2022

Number of Days to Update: 61

Source: State Water Resources Control Board

Telephone: 866-480-1028 Last EDR Contact: 12/02/2022

Next Scheduled EDR Contact: 03/20/2023 Data Release Frequency: Varies

AQUEOUS FOAM: Former Fire Training Facility Assessments Listing

Airports shown on this list are those believed to use Aqueous Film Forming Foam (AFFF), and certified by the Federal Aviation Administration (FAA) under Title 14, Code of Federal Regulations (CFR), Part 139 (14 CFR Part 139). This list was created by SWRCB using information available from the FAA. Location points shown are from the latitude and longitude listed on the FAA airport master record.

Date of Government Version: 09/06/2022 Date Data Arrived at EDR: 09/06/2022 Date Made Active in Reports: 10/26/2022

Number of Days to Update: 50

Source: State Water Resources Control Board

Telephone: 916-341-5455 Last EDR Contact: 10/09/2022

Next Scheduled EDR Contact: 03/20/2023 Data Release Frequency: Varies

CA BOND EXP. PLAN: Bond Expenditure Plan

Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989 Date Data Arrived at EDR: 07/27/1994 Date Made Active in Reports: 08/02/1994

Number of Days to Update: 6

Source: Department of Health Services

Telephone: 916-255-2118 Last EDR Contact: 05/31/1994 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

CORTESE: "Cortese" Hazardous Waste & Substances Sites List

The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste

Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

Date of Government Version: 09/19/2022 Date Data Arrived at EDR: 09/19/2022 Date Made Active in Reports: 12/07/2022

Number of Days to Update: 79

Source: CAL EPA/Office of Emergency Information

Telephone: 916-323-3400 Last EDR Contact: 12/14/2022

Next Scheduled EDR Contact: 04/03/2023 Data Release Frequency: Quarterly

CUPA LIVERMORE-PLEASANTON: CUPA Facility Listing

list of facilities associated with the various CUPA programs in Livermore-Pleasanton

Date of Government Version: 12/07/2021 Date Data Arrived at EDR: 05/09/2022 Date Made Active in Reports: 05/17/2022

Number of Days to Update: 8

Source: Livermore-Pleasanton Fire Department

Telephone: 925-454-2361 Last EDR Contact: 11/10/2022

Next Scheduled EDR Contact: 02/20/2023

Data Release Frequency: Varies

DRYCLEANERS: Cleaner Facilities

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 08/27/2021 Date Data Arrived at EDR: 09/01/2021 Date Made Active in Reports: 11/19/2021

Number of Days to Update: 79

Source: Department of Toxic Substance Control

Telephone: 916-327-4498 Last EDR Contact: 11/07/2022

Next Scheduled EDR Contact: 03/13/2023 Data Release Frequency: Annually

DRYCLEAN AVAQMD: Antelope Valley Air Quality Management District Drycleaner Listing A listing of dry cleaners in the Antelope Valley Air Quality Management District.

Date of Government Version: 05/25/2022 Date Data Arrived at EDR: 05/26/2022 Date Made Active in Reports: 08/11/2022

Number of Days to Update: 77

Source: Antelope Valley Air Quality Management District

Telephone: 661-723-8070 Last EDR Contact: 11/14/2022

Next Scheduled EDR Contact: 03/13/2023

Data Release Frequency: Varies

DRYCLEAN SOUTH COAST: South Coast Air Quality Management District Drycleaner Listing

A listing of dry cleaners in the South Coast Air Quality Management District

Date of Government Version: 08/18/2022 Date Data Arrived at EDR: 08/29/2022 Date Made Active in Reports: 11/14/2022

Number of Days to Update: 77

Source: South Coast Air Quality Management District

Telephone: 909-396-3211 Last EDR Contact: 11/15/2022

Next Scheduled EDR Contact: 03/06/2023

Data Release Frequency: Varies

EMI: Emissions Inventory Data

Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2020 Date Data Arrived at EDR: 06/13/2022 Date Made Active in Reports: 08/30/2022

Number of Days to Update: 78

Source: California Air Resources Board

Telephone: 916-322-2990 Last EDR Contact: 12/15/2022

Next Scheduled EDR Contact: 03/27/2023

Data Release Frequency: Varies

ENF: Enforcement Action Listing

A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 10/17/2022 Date Data Arrived at EDR: 10/19/2022 Date Made Active in Reports: 01/10/2023

Number of Days to Update: 83

Source: State Water Resoruces Control Board

Telephone: 916-445-9379 Last EDR Contact: 10/19/2022

Next Scheduled EDR Contact: 01/30/2023 Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing

Financial Assurance information

Date of Government Version: 10/12/2022 Date Data Arrived at EDR: 10/12/2022 Date Made Active in Reports: 12/29/2022

Number of Days to Update: 78

Source: Department of Toxic Substances Control

Telephone: 916-255-3628 Last EDR Contact: 10/11/2022

Next Scheduled EDR Contact: 01/30/2023 Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing

A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 08/09/2022 Date Data Arrived at EDR: 08/10/2022 Date Made Active in Reports: 08/30/2022

Number of Days to Update: 20

Source: California Integrated Waste Management Board

Telephone: 916-341-6066 Last EDR Contact: 11/15/2022

Next Scheduled EDR Contact: 02/20/2023

Data Release Frequency: Varies

ICE: ICE

Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirostor.

Date of Government Version: 08/11/2022 Date Data Arrived at EDR: 08/11/2022 Date Made Active in Reports: 10/28/2022

Number of Days to Update: 78

Source: Department of Toxic Subsances Control

Telephone: 877-786-9427 Last EDR Contact: 11/10/2022

Next Scheduled EDR Contact: 02/27/2023 Data Release Frequency: Quarterly

HIST CORTESE: Hazardous Waste & Substance Site List

The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001 Date Data Arrived at EDR: 01/22/2009 Date Made Active in Reports: 04/08/2009

Number of Days to Update: 76

Source: Department of Toxic Substances Control

Telephone: 916-323-3400 Last EDR Contact: 01/22/2009 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

HWP: EnviroStor Permitted Facilities Listing

Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 08/11/2022 Date Data Arrived at EDR: 08/11/2022 Date Made Active in Reports: 10/28/2022

Number of Days to Update: 78

Source: Department of Toxic Substances Control

Telephone: 916-323-3400 Last EDR Contact: 11/10/2022

Next Scheduled EDR Contact: 02/27/2023 Data Release Frequency: Quarterly

HWT: Registered Hazardous Waste Transporter Database

A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 10/03/2022 Date Data Arrived at EDR: 10/03/2022 Date Made Active in Reports: 12/15/2022

Number of Days to Update: 73

Source: Department of Toxic Substances Control

Telephone: 916-440-7145 Last EDR Contact: 01/04/2023

Next Scheduled EDR Contact: 04/17/2023 Data Release Frequency: Quarterly

HAZNET: Facility and Manifest Data

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method. This database begins with calendar year 1993.

Date of Government Version: 12/31/2021 Date Data Arrived at EDR: 07/05/2022 Date Made Active in Reports: 09/19/2022

Number of Days to Update: 76

Source: California Environmental Protection Agency

Telephone: 916-255-1136 Last EDR Contact: 01/06/2023

Next Scheduled EDR Contact: 04/17/2023 Data Release Frequency: Annually

MINES: Mines Site Location Listing

A listing of mine site locations from the Office of Mine Reclamation.

Date of Government Version: 08/31/2022 Date Data Arrived at EDR: 08/31/2022 Date Made Active in Reports: 11/18/2022

Number of Days to Update: 79

Source: Department of Conservation Telephone: 916-322-1080 Last EDR Contact: 12/02/2022

Next Scheduled EDR Contact: 03/20/2023 Data Release Frequency: Quarterly

MWMP: Medical Waste Management Program Listing

The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 08/08/2022 Date Data Arrived at EDR: 08/25/2022 Date Made Active in Reports: 11/14/2022

Number of Days to Update: 81

Source: Department of Public Health Telephone: 916-558-1784 Last EDR Contact: 11/29/2022

Next Scheduled EDR Contact: 03/13/2023 Data Release Frequency: Varies

NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

Date of Government Version: 08/08/2022 Date Data Arrived at EDR: 08/08/2022 Date Made Active in Reports: 10/20/2022

Number of Days to Update: 73

Source: State Water Resources Control Board

Telephone: 916-445-9379 Last EDR Contact: 11/03/2022

Next Scheduled EDR Contact: 02/20/2023 Data Release Frequency: Quarterly

PEST LIC: Pesticide Regulation Licenses Listing

A listing of licenses and certificates issued by the Department of Pesticide Regulation. The DPR issues licenses and/or certificates to: Persons and businesses that apply or sell pesticides; Pest control dealers and brokers; Persons who advise on agricultural pesticide applications.

Date of Government Version: 08/25/2022 Date Data Arrived at EDR: 08/25/2022 Date Made Active in Reports: 11/14/2022

Number of Days to Update: 81

Source: Department of Pesticide Regulation

Telephone: 916-445-4038 Last EDR Contact: 11/29/2022

Next Scheduled EDR Contact: 03/13/2023 Data Release Frequency: Quarterly

PROC: Certified Processors Database A listing of certified processors.

Date of Government Version: 08/31/2022 Date Data Arrived at EDR: 08/31/2022 Date Made Active in Reports: 11/18/2022

Number of Days to Update: 79

Source: Department of Conservation

Telephone: 916-323-3836 Last EDR Contact: 12/02/2022

Next Scheduled EDR Contact: 03/20/2023 Data Release Frequency: Quarterly

NOTIFY 65: Proposition 65 Records

Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Date of Government Version: 09/07/2022 Date Data Arrived at EDR: 09/08/2022 Date Made Active in Reports: 11/29/2022

Number of Days to Update: 82

Source: State Water Resources Control Board

Telephone: 916-445-3846 Last EDR Contact: 12/06/2022

Next Scheduled EDR Contact: 03/27/2023 Data Release Frequency: No Update Planned

UIC: UIC Listing

A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 08/31/2022 Date Data Arrived at EDR: 08/31/2022 Date Made Active in Reports: 11/18/2022

Number of Days to Update: 79

Source: Deaprtment of Conservation Telephone: 916-445-2408 Last EDR Contact: 12/02/2022

Next Scheduled EDR Contact: 03/20/2023

Data Release Frequency: Varies

UIC GEO: Underground Injection Control Sites (GEOTRACKER)

Underground control injection sites

Date of Government Version: 08/31/2022 Date Data Arrived at EDR: 08/31/2022 Date Made Active in Reports: 11/17/2022

Number of Days to Update: 78

Source: State Water Resource Control Board

Telephone: 866-480-1028 Last EDR Contact: 12/02/2022

Next Scheduled EDR Contact: 03/20/2023 Data Release Frequency: Varies

WASTEWATER PITS: Oil Wastewater Pits Listing

Water officials discovered that oil producers have been dumping chemical-laden wastewater into hundreds of unlined pits that are operating without proper permits. Inspections completed by the Central Valley Regional Water Quality Control Board revealed the existence of previously unidentified waste sites. The water boards review found that more than one-third of the region's active disposal pits are operating without permission.

Date of Government Version: 02/11/2021 Date Data Arrived at EDR: 07/01/2021 Date Made Active in Reports: 09/29/2021

Number of Days to Update: 90

Source: RWQCB, Central Valley Region

Telephone: 559-445-5577 Last EDR Contact: 01/06/2023

Next Scheduled EDR Contact: 04/17/2023 Data Release Frequency: Varies

WDS: Waste Discharge System

Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007 Date Data Arrived at EDR: 06/20/2007 Date Made Active in Reports: 06/29/2007

Number of Days to Update: 9

Source: State Water Resources Control Board

Telephone: 916-341-5227 Last EDR Contact: 11/08/2022

Next Scheduled EDR Contact: 02/27/2023 Data Release Frequency: No Update Planned

WIP: Well Investigation Program Case List

Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009 Date Data Arrived at EDR: 07/21/2009 Date Made Active in Reports: 08/03/2009

Number of Days to Update: 13

Source: Los Angeles Water Quality Control Board

Telephone: 213-576-6726 Last EDR Contact: 12/13/2022

Next Scheduled EDR Contact: 04/03/2023 Data Release Frequency: No Update Planned

MILITARY PRIV SITES: Military Privatized Sites (GEOTRACKER)

Military privatized sites

Date of Government Version: 08/31/2022 Date Data Arrived at EDR: 08/31/2022 Date Made Active in Reports: 11/17/2022

Number of Days to Update: 78

Source: State Water Resources Control Board

Telephone: 866-480-1028 Last EDR Contact: 12/02/2022

Next Scheduled EDR Contact: 03/20/2023

Data Release Frequency: Varies

PROJECT: Project Sites (GEOTRACKER)

Projects sites

Date of Government Version: 08/31/2022 Date Data Arrived at EDR: 08/31/2022 Date Made Active in Reports: 11/17/2022

Number of Days to Update: 78

Source: State Water Resources Control Board

Telephone: 866-480-1028 Last EDR Contact: 12/02/2022

Next Scheduled EDR Contact: 03/20/2023

Data Release Frequency: Varies

WDR: Waste Discharge Requirements Listing

In general, the Waste Discharge Requirements (WDRs) Program (sometimes also referred to as the "Non Chapter 15 (Non 15) Program") regulates point discharges that are exempt pursuant to Subsection 20090 of Title 27 and not subject to the Federal Water Pollution Control Act. Exemptions from Title 27 may be granted for nine categories of discharges (e.g., sewage, wastewater, etc.) that meet, and continue to meet, the preconditions listed for each specific exemption. The scope of the WDRs Program also includes the discharge of wastes classified as inert, pursuant to section 20230 of Title 27.

Date of Government Version: 08/31/2022 Date Data Arrived at EDR: 08/31/2022 Date Made Active in Reports: 11/18/2022

Number of Days to Update: 79

Source: State Water Resources Control Board

Telephone: 916-341-5810 Last EDR Contact: 12/02/2022

Next Scheduled EDR Contact: 03/20/2023 Data Release Frequency: Quarterly

CIWQS: California Integrated Water Quality System

The California Integrated Water Quality System (CIWQS) is a computer system used by the State and Regional Water Quality Control Boards to track information about places of environmental interest, manage permits and other orders, track inspections, and manage violations and enforcement activities.

Date of Government Version: 08/16/2022 Date Data Arrived at EDR: 08/17/2022 Date Made Active in Reports: 08/18/2022

Number of Days to Update: 1

Source: State Water Resources Control Board

Telephone: 866-794-4977 Last EDR Contact: 11/29/2022

Next Scheduled EDR Contact: 03/13/2023 Data Release Frequency: Varies

CERS: CalEPA Regulated Site Portal Data

The CalEPA Regulated Site Portal database combines data about environmentally regulated sites and facilities in California into a single database. It combines data from a variety of state and federal databases, and provides an overview of regulated activities across the spectrum of environmental programs for any given location in California. These activities include hazardous materials and waste, state and federal cleanups, impacted ground and surface waters, and toxic materials

Date of Government Version: 01/05/2023 Date Data Arrived at EDR: 01/06/2023 Date Made Active in Reports: 01/10/2023

Number of Days to Update: 4

Source: California Environmental Protection Agency

Telephone: 916-323-2514 Last EDR Contact: 01/06/2023

Next Scheduled EDR Contact: 01/30/2023

Data Release Frequency: Varies

NON-CASE INFO: Non-Case Information Sites (GEOTRACKER)

Non-Case Information sites

Date of Government Version: 08/31/2022 Date Data Arrived at EDR: 08/31/2022 Date Made Active in Reports: 11/17/2022

Number of Days to Update: 78

Source: State Water Resources Control Board

Telephone: 866-480-1028 Last EDR Contact: 12/02/2022

Next Scheduled EDR Contact: 03/20/2023 Data Release Frequency: Varies

OTHER OIL GAS: Other Oil & Gas Projects Sites (GEOTRACKER)

Other Oil & Gas Projects sites

Date of Government Version: 08/31/2022 Date Data Arrived at EDR: 08/31/2022 Date Made Active in Reports: 11/17/2022

Number of Days to Update: 78

Source: State Water Resources Control Board

Telephone: 866-480-1028 Last EDR Contact: 12/02/2022

Next Scheduled EDR Contact: 03/20/2023

Data Release Frequency: Varies

PROD WATER PONDS: Produced Water Ponds Sites (GEOTRACKER)

Produced water ponds sites

Date of Government Version: 08/31/2022 Date Data Arrived at EDR: 08/31/2022 Date Made Active in Reports: 11/17/2022

Number of Days to Update: 78

Source: State Water Resources Control Board

Telephone: 866-480-1028 Last EDR Contact: 12/02/2022

Next Scheduled EDR Contact: 03/20/2023

Data Release Frequency: Varies

SAMPLING POINT: Sampling Point? Public Sites (GEOTRACKER)

Sampling point - public sites

Date of Government Version: 08/31/2022 Date Data Arrived at EDR: 08/31/2022 Date Made Active in Reports: 11/17/2022

Number of Days to Update: 78

Source: State Water Resources Control Board

Telephone: 866-480-1028 Last EDR Contact: 12/02/2022

Next Scheduled EDR Contact: 03/20/2023 Data Release Frequency: Varies

WELL STIM PROJ: Well Stimulation Project (GEOTRACKER)

Includes areas of groundwater monitoring plans, a depiction of the monitoring network, and the facilities, boundaries, and subsurface characteristics of the oilfield and the features (oil and gas wells, produced water ponds, UIC wells, water supply wells, etc?) being monitored

Date of Government Version: 08/31/2022 Date Data Arrived at EDR: 08/31/2022 Date Made Active in Reports: 11/17/2022

Number of Days to Update: 78

Source: State Water Resources Control Board

Telephone: 866-480-1028 Last EDR Contact: 12/02/2022

Next Scheduled EDR Contact: 03/20/2023 Data Release Frequency: Varies

HWTS: Hazardous Waste Tracking System

DTSC maintains the Hazardous Waste Tracking System that stores ID number information since the early 1980s and manifest data since 1993. The system collects both manifest copies from the generator and destination facility.

Date of Government Version: 04/05/2022 Date Data Arrived at EDR: 04/05/2022 Date Made Active in Reports: 04/26/2022

Number of Days to Update: 21

Source: Department of Toxic Substances Control

Telephone: 916-324-2444 Last EDR Contact: 01/03/2023

Next Scheduled EDR Contact: 04/17/2023

Data Release Frequency: Varies

PCS ENF: Enforcement data

No description is available for this data

Date of Government Version: 12/31/2014 Date Data Arrived at EDR: 02/05/2015 Date Made Active in Reports: 03/06/2015

Number of Days to Update: 29

Source: EPA

Telephone: 202-564-2497 Last EDR Contact: 12/28/2022

Next Scheduled EDR Contact: 04/17/2023 Data Release Frequency: Varies

PCS: Permit Compliance System

PCS is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

Date of Government Version: 07/14/2011 Date Data Arrived at EDR: 08/05/2011 Date Made Active in Reports: 09/29/2011

Number of Days to Update: 55

Source: EPA, Office of Water Telephone: 202-564-2496 Last EDR Contact: 12/28/2022

Next Scheduled EDR Contact: 04/17/2023 Data Release Frequency: Semi-Annually

PCS INACTIVE: Listing of Inactive PCS Permits

An inactive permit is a facility that has shut down or is no longer discharging.

Date of Government Version: 11/05/2014
Date Data Arrived at EDR: 01/06/2015
Date Made Active in Reports: 05/06/2015

Number of Days to Update: 120

Source: EPA

Telephone: 202-564-2496 Last EDR Contact: 12/28/2022

Next Scheduled EDR Contact: 04/17/2023 Data Release Frequency: Semi-Annually

MINES MRDS: Mineral Resources Data System

Mineral Resources Data System

Date of Government Version: 04/06/2018 Date Data Arrived at EDR: 10/21/2019 Date Made Active in Reports: 10/24/2019

Number of Days to Update: 3

Source: USGS

Telephone: 703-648-6533 Last EDR Contact: 11/22/2022

Next Scheduled EDR Contact: 03/06/2023 Data Release Frequency: Varies

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A Date Data Arrived at EDR: N/A Date Made Active in Reports: N/A Number of Days to Update: N/A Source: EDR, Inc. Telephone: N/A Last EDR Contact: N/A

Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A Date Data Arrived at EDR: N/A Date Made Active in Reports: N/A Number of Days to Update: N/A Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A

Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A Source: EDR, Inc.
Date Data Arrived at EDR: N/A Telephone: N/A
Date Made Active in Reports: N/A Last EDR Contact: N/A

Number of Days to Update: N/A Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

Date of Government Version: N/A Date Data Arrived at EDR: 07/01/2013 Date Made Active in Reports: 01/13/2014 Number of Days to Update: 196 Source: Department of Resources Recycling and Recovery Telephone: N/A

Last EDR Contact: 06/01/2012 Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A Date Data Arrived at EDR: 07/01/2013 Date Made Active in Reports: 12/30/2013 Number of Days to Update: 182 Source: State Water Resources Control Board

Telephone: N/A

Last EDR Contact: 06/01/2012 Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

COUNTY RECORDS

ALAMEDA COUNTY:

CS ALAMEDA: Contaminated Sites

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 01/09/2019 Date Data Arrived at EDR: 01/11/2019 Date Made Active in Reports: 03/05/2019 Number of Days to Update: 53 Source: Alameda County Environmental Health Services

Telephone: 510-567-6700 Last EDR Contact: 12/28/2022

Next Scheduled EDR Contact: 04/17/2023 Data Release Frequency: Semi-Annually

UST ALAMEDA: Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 09/28/2022 Date Data Arrived at EDR: 09/29/2022 Date Made Active in Reports: 12/14/2022

Number of Days to Update: 76

Source: Alameda County Environmental Health Services

Telephone: 510-567-6700 Last EDR Contact: 12/28/2022

Next Scheduled EDR Contact: 04/17/2023 Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA AMADOR: CUPA Facility List

Cupa Facility List

Date of Government Version: 07/22/2022 Date Data Arrived at EDR: 07/27/2022 Date Made Active in Reports: 08/01/2022

Number of Days to Update: 5

Source: Amador County Environmental Health

Telephone: 209-223-6439 Last EDR Contact: 10/26/2022

Next Scheduled EDR Contact: 02/13/2023

Data Release Frequency: Varies

BUTTE COUNTY:

CUPA BUTTE: CUPA Facility Listing

Cupa facility list.

Date of Government Version: 04/21/2017 Date Data Arrived at EDR: 04/25/2017 Date Made Active in Reports: 08/09/2017

Number of Days to Update: 106

Source: Public Health Department Telephone: 530-538-7149 Last EDR Contact: 12/28/2022

Next Scheduled EDR Contact: 04/17/2023 Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA CALVERAS: CUPA Facility Listing

Cupa Facility Listing

Date of Government Version: 12/13/2022 Date Data Arrived at EDR: 12/15/2022 Date Made Active in Reports: 12/21/2022

Number of Days to Update: 6

Source: Calveras County Environmental Health

Telephone: 209-754-6399 Last EDR Contact: 12/13/2022

Next Scheduled EDR Contact: 04/03/2023 Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA COLUSA: CUPA Facility List

Cupa facility list.

Date of Government Version: 04/06/2020 Date Data Arrived at EDR: 04/23/2020 Date Made Active in Reports: 07/10/2020

Number of Days to Update: 78

Source: Health & Human Services Telephone: 530-458-0396 Last EDR Contact: 10/26/2022

Next Scheduled EDR Contact: 02/16/2023 Data Release Frequency: Semi-Annually

CONTRA COSTA COUNTY:

SL CONTRA COSTA: Site List

List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 10/20/2022 Date Data Arrived at EDR: 10/21/2022 Date Made Active in Reports: 01/10/2023

Number of Days to Update: 81

Source: Contra Costa Health Services Department

Telephone: 925-646-2286 Last EDR Contact: 10/20/2022

Next Scheduled EDR Contact: 02/06/2023 Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA DEL NORTE: CUPA Facility List

Cupa Facility list

Date of Government Version: 05/04/2022 Date Data Arrived at EDR: 05/06/2022 Date Made Active in Reports: 07/28/2022

Number of Days to Update: 83

Source: Del Norte County Environmental Health Division

Telephone: 707-465-0426 Last EDR Contact: 10/20/2022

Next Scheduled EDR Contact: 02/06/2023

Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA EL DORADO: CUPA Facility List

CUPA facility list.

Date of Government Version: 08/08/2022 Date Data Arrived at EDR: 08/09/2022 Date Made Active in Reports: 09/01/2022

Number of Days to Update: 23

Source: El Dorado County Environmental Management Department

Telephone: 530-621-6623 Last EDR Contact: 10/20/2022

Next Scheduled EDR Contact: 02/06/2023

Data Release Frequency: Varies

FRESNO COUNTY:

CUPA FRESNO: CUPA Resources List

Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 06/28/2021 Date Data Arrived at EDR: 12/21/2021 Date Made Active in Reports: 03/03/2022

Number of Days to Update: 72

Source: Dept. of Community Health Telephone: 559-445-3271 Last EDR Contact: 12/29/2022

Next Scheduled EDR Contact: 04/10/2023 Data Release Frequency: Semi-Annually

GLENN COUNTY:

CUPA GLENN: CUPA Facility List

Cupa facility list

Date of Government Version: 01/22/2018 Date Data Arrived at EDR: 01/24/2018 Date Made Active in Reports: 03/14/2018

Number of Days to Update: 49

Source: Glenn County Air Pollution Control District

Telephone: 830-934-6500 Last EDR Contact: 10/11/2022

Next Scheduled EDR Contact: 01/30/2023 Data Release Frequency: No Update Planned

HUMBOLDT COUNTY:

CUPA HUMBOLDT: CUPA Facility List

CUPA facility list.

Date of Government Version: 08/12/2021 Date Data Arrived at EDR: 08/12/2021 Date Made Active in Reports: 11/08/2021

Number of Days to Update: 88

Source: Humboldt County Environmental Health

Telephone: N/A

Last EDR Contact: 11/08/2022

Next Scheduled EDR Contact: 02/27/2023 Data Release Frequency: Semi-Annually

IMPERIAL COUNTY:

CUPA IMPERIAL: CUPA Facility List

Cupa facility list.

Date of Government Version: 10/11/2022 Date Data Arrived at EDR: 10/12/2022 Date Made Active in Reports: 12/29/2022

Number of Days to Update: 78

Source: San Diego Border Field Office

Telephone: 760-339-2777 Last EDR Contact: 10/11/2022

Next Scheduled EDR Contact: 01/30/2023

Data Release Frequency: Varies

INYO COUNTY:

CUPA INYO: CUPA Facility List

Cupa facility list.

Date of Government Version: 04/02/2018 Date Data Arrived at EDR: 04/03/2018 Date Made Active in Reports: 06/14/2018

Number of Days to Update: 72

Source: Inyo County Environmental Health Services

Telephone: 760-878-0238 Last EDR Contact: 11/08/2022

Next Scheduled EDR Contact: 02/27/2023

Data Release Frequency: Varies

KERN COUNTY:

CUPA KERN: CUPA Facility List

A listing of sites included in the Kern County Hazardous Material Business Plan.

Date of Government Version: 10/03/2022 Date Data Arrived at EDR: 10/05/2022 Date Made Active in Reports: 12/16/2022

Number of Days to Update: 72

Source: Kern County Public Health Telephone: 661-321-3000 Last EDR Contact: 10/05/2022

Next Scheduled EDR Contact: 02/16/2023

Data Release Frequency: Varies

UST KERN: Underground Storage Tank Sites & Tank Listing

Kern County Sites and Tanks Listing.

Date of Government Version: 10/03/2022 Date Data Arrived at EDR: 10/05/2022 Date Made Active in Reports: 12/16/2022

Number of Days to Update: 72

Source: Kern County Environment Health Services Department

Telephone: 661-862-8700 Last EDR Contact: 10/05/2022

Next Scheduled EDR Contact: 02/16/2023 Data Release Frequency: Quarterly

KINGS COUNTY:

CUPA KINGS: CUPA Facility List

A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 12/03/2020 Date Data Arrived at EDR: 01/26/2021 Date Made Active in Reports: 04/14/2021

Number of Days to Update: 78

Source: Kings County Department of Public Health

Telephone: 559-584-1411 Last EDR Contact: 11/08/2022

Next Scheduled EDR Contact: 02/27/2023 Data Release Frequency: Varies

LAKE COUNTY:

CUPA LAKE: CUPA Facility List

Cupa facility list

Date of Government Version: 07/22/2022 Date Data Arrived at EDR: 07/25/2022 Date Made Active in Reports: 10/05/2022

Number of Days to Update: 72

Source: Lake County Environmental Health

Telephone: 707-263-1164 Last EDR Contact: 01/09/2023

Next Scheduled EDR Contact: 04/24/2023

Data Release Frequency: Varies

LASSEN COUNTY:

CUPA LASSEN: CUPA Facility List

Cupa facility list

Date of Government Version: 07/31/2020 Date Data Arrived at EDR: 08/21/2020 Date Made Active in Reports: 11/09/2020

Number of Days to Update: 80

Source: Lassen County Environmental Health

Telephone: 530-251-8528 Last EDR Contact: 10/11/2022

Next Scheduled EDR Contact: 01/30/2023

Data Release Frequency: Varies

LOS ANGELES COUNTY:

AOCONCERN: Key Areas of Concerns in Los Angeles County

San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office. Date of Government Version: 3/30/2009 Exide Site area is a cleanup plan of lead-impacted soil surrounding the former

Exide Facility as designated by the DTSC. Date of Government Version: 7/17/2017

Date of Government Version: 03/30/2009 Date Data Arrived at EDR: 03/31/2009 Date Made Active in Reports: 10/23/2009

Date Made Active in Reports: 10/2

Number of Days to Update: 206

Source: N/A Telephone: N/A

Last EDR Contact: 12/06/2022

Next Scheduled EDR Contact: 03/27/2023 Data Release Frequency: No Update Planned

HMS LOS ANGELES: HMS: Street Number List

Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 10/03/2022 Date Data Arrived at EDR: 10/04/2022 Date Made Active in Reports: 12/15/2022

Number of Days to Update: 72

Source: Department of Public Works

Telephone: 626-458-3517 Last EDR Contact: 12/28/2022

Next Scheduled EDR Contact: 04/17/2023 Data Release Frequency: Semi-Annually

LF LOS ANGELES: List of Solid Waste Facilities Solid Waste Facilities in Los Angeles County.

> Date of Government Version: 10/07/2022 Date Data Arrived at EDR: 10/07/2022 Date Made Active in Reports: 12/21/2022

Number of Days to Update: 75

Source: La County Department of Public Works

Telephone: 818-458-5185 Last EDR Contact: 01/10/2023

Next Scheduled EDR Contact: 04/24/2023

Data Release Frequency: Varies

LF LOS ANGELES CITY: City of Los Angeles Landfills

Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 01/01/2022 Date Data Arrived at EDR: 01/21/2022 Date Made Active in Reports: 04/11/2022

Number of Days to Update: 80

Source: Engineering & Construction Division

Telephone: 213-473-7869 Last EDR Contact: 01/05/2023

Next Scheduled EDR Contact: 04/24/2023 Data Release Frequency: Varies

LOS ANGELES AST: Active & Inactive AST Inventory

A listing of active & inactive above ground petroleum storage tank site locations, located in the City of Los

Angeles.

Date of Government Version: 06/01/2019 Date Data Arrived at EDR: 06/25/2019 Date Made Active in Reports: 08/22/2019

Number of Days to Update: 58

Source: Los Angeles Fire Department

Telephone: 213-978-3800 Last EDR Contact: 12/13/2022

Next Scheduled EDR Contact: 04/03/2023

Data Release Frequency: Varies

LOS ANGELES CO LF METHANE: Methane Producing Landfills

This data was created on April 30, 2012 to represent known disposal sites in Los Angeles County that may produce and emanate methane gas. The shapefile contains disposal sites within Los Angeles County that once accepted degradable refuse material. Information used to create this data was extracted from a landfill survey performed by County Engineers (Major Waste System Map, 1973) as well as historical records from CalRecycle, Regional Water Quality Control Board, and Los Angeles County Department of Public Health

Date of Government Version: 01/10/2022 Date Data Arrived at EDR: 01/12/2022 Date Made Active in Reports: 04/04/2022

Number of Days to Update: 82

Source: Los Angeles County Department of Public Works

Telephone: 626-458-6973 Last EDR Contact: 01/05/2023

Next Scheduled EDR Contact: 04/24/2023 Data Release Frequency: No Update Planned

LOS ANGELES HM: Active & Inactive Hazardous Materials Inventory

A listing of active & inactive hazardous materials facility locations, located in the City of Los Angeles.

Date of Government Version: 08/30/2022 Date Data Arrived at EDR: 09/20/2022 Date Made Active in Reports: 12/07/2022

Number of Days to Update: 78

Source: Los Angeles Fire Department

Telephone: 213-978-3800 Last EDR Contact: 12/14/2022

Next Scheduled EDR Contact: 04/03/2023

Data Release Frequency: Varies

LOS ANGELES UST: Active & Inactive UST Inventory

A listing of active & inactive underground storage tank site locations and underground storage tank historical sites, located in the City of Los Angeles.

Date of Government Version: 08/30/2022 Date Data Arrived at EDR: 09/20/2022 Date Made Active in Reports: 12/08/2022

Number of Days to Update: 79

Source: Los Angeles Fire Department

Telephone: 213-978-3800 Last EDR Contact: 12/14/2022

Next Scheduled EDR Contact: 04/03/2023 Data Release Frequency: Varies

SITE MIT LOS ANGELES: Site Mitigation List

Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 05/26/2021 Date Data Arrived at EDR: 07/09/2021 Date Made Active in Reports: 09/29/2021

Number of Days to Update: 82

Source: Community Health Services Telephone: 323-890-7806

Last EDR Contact: 10/20/2022 Next Scheduled EDR Contact: 01/30/2023 Data Release Frequency: Annually

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UST EL SEGUNDO: City of El Segundo Underground Storage Tank Underground storage tank sites located in El Segundo city.

Date of Government Version: 01/21/2017 Date Data Arrived at EDR: 04/19/2017 Date Made Active in Reports: 05/10/2017

Number of Days to Update: 21

Source: City of El Segundo Fire Department

Telephone: 310-524-2236 Last EDR Contact: 01/05/2023

Next Scheduled EDR Contact: 04/24/2023 Data Release Frequency: No Update Planned

UST LONG BEACH: City of Long Beach Underground Storage Tank
Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 04/22/2019 Date Data Arrived at EDR: 04/23/2019 Date Made Active in Reports: 06/27/2019

Number of Days to Update: 65

Source: City of Long Beach Fire Department

Telephone: 562-570-2563 Last EDR Contact: 10/11/2022

Next Scheduled EDR Contact: 01/30/2023 Data Release Frequency: Varies

UST TORRANCE: City of Torrance Underground Storage Tank
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 10/18/2022 Date Data Arrived at EDR: 10/19/2022 Date Made Active in Reports: 01/10/2023

Number of Days to Update: 83

Source: City of Torrance Fire Department

Telephone: 310-618-2973 Last EDR Contact: 10/11/2022

Next Scheduled EDR Contact: 01/30/2023 Data Release Frequency: Semi-Annually

MADERA COUNTY:

CUPA MADERA: CUPA Facility List

A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 08/10/2020 Date Data Arrived at EDR: 08/12/2020 Date Made Active in Reports: 10/23/2020

Number of Days to Update: 72

Source: Madera County Environmental Health

Telephone: 559-675-7823 Last EDR Contact: 11/08/2022

Next Scheduled EDR Contact: 02/27/2023 Data Release Frequency: Varies

MARIN COUNTY:

UST MARIN: Underground Storage Tank Sites Currently permitted USTs in Marin County.

> Date of Government Version: 09/26/2018 Date Data Arrived at EDR: 10/04/2018 Date Made Active in Reports: 11/02/2018

Number of Days to Update: 29

Source: Public Works Department Waste Management

Telephone: 415-473-6647 Last EDR Contact: 12/19/2022

Next Scheduled EDR Contact: 04/10/2023 Data Release Frequency: Semi-Annually

MENDOCINO COUNTY:

UST MENDOCINO: Mendocino County UST Database

A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 09/22/2021 Date Data Arrived at EDR: 11/18/2021 Date Made Active in Reports: 11/22/2021

Number of Days to Update: 4

Source: Department of Public Health Telephone: 707-463-4466 Last EDR Contact: 11/15/2022

Next Scheduled EDR Contact: 03/06/2023 Data Release Frequency: Annually

MERCED COUNTY:

CUPA MERCED: CUPA Facility List CUPA facility list.

Date of Government Version: 02/15/2022 Date Data Arrived at EDR: 02/17/2022 Date Made Active in Reports: 05/11/2022

Number of Days to Update: 83

Source: Merced County Environmental Health

Telephone: 209-381-1094 Last EDR Contact: 11/08/2022

Next Scheduled EDR Contact: 02/27/2023 Data Release Frequency: Varies

MONO COUNTY:

CUPA MONO: CUPA Facility List CUPA Facility List

Date of Government Version: 02/22/2021 Date Data Arrived at EDR: 03/02/2021 Date Made Active in Reports: 05/19/2021

Number of Days to Update: 78

Source: Mono County Health Department

Telephone: 760-932-5580 Last EDR Contact: 11/15/2022

Next Scheduled EDR Contact: 03/06/2023 Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA MONTEREY: CUPA Facility Listing

CUPA Program listing from the Environmental Health Division.

Date of Government Version: 10/04/2021 Date Data Arrived at EDR: 10/06/2021 Date Made Active in Reports: 12/29/2021

Number of Days to Update: 84

Source: Monterey County Health Department

Telephone: 831-796-1297 Last EDR Contact: 01/05/2023

Next Scheduled EDR Contact: 04/10/2023

Data Release Frequency: Varies

NAPA COUNTY:

LUST NAPA: Sites With Reported Contamination

A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 01/09/2017 Date Data Arrived at EDR: 01/11/2017 Date Made Active in Reports: 03/02/2017

Number of Days to Update: 50

Source: Napa County Department of Environmental Management

Telephone: 707-253-4269 Last EDR Contact: 11/15/2022

Next Scheduled EDR Contact: 03/06/2023 Data Release Frequency: No Update Planned

UST NAPA: Closed and Operating Underground Storage Tank Sites Underground storage tank sites located in Napa county.

Date of Government Version: 09/05/2019 Date Data Arrived at EDR: 09/09/2019 Date Made Active in Reports: 10/31/2019

Number of Days to Update: 52

Source: Napa County Department of Environmental Management

Telephone: 707-253-4269 Last EDR Contact: 11/15/2022

Next Scheduled EDR Contact: 03/06/2023 Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA NEVADA: CUPA Facility List

CUPA facility list.

Date of Government Version: 07/21/2022 Date Data Arrived at EDR: 07/25/2022 Date Made Active in Reports: 07/28/2022

Number of Days to Update: 3

Source: Community Development Agency

Telephone: 530-265-1467 Last EDR Contact: 10/20/2022

Next Scheduled EDR Contact: 02/06/2023 Data Release Frequency: Varies

ORANGE COUNTY:

IND_SITE ORANGE: List of Industrial Site Cleanups

Petroleum and non-petroleum spills.

Date of Government Version: 05/24/2022 Date Data Arrived at EDR: 08/09/2022 Date Made Active in Reports: 10/28/2022

Number of Days to Update: 80

Source: Health Care Agency Telephone: 714-834-3446 Last EDR Contact: 11/03/2022

Next Scheduled EDR Contact: 02/13/2023 Data Release Frequency: Annually

LUST ORANGE: List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 04/08/2022 Date Data Arrived at EDR: 05/18/2022 Date Made Active in Reports: 08/03/2022

Number of Days to Update: 77

Source: Health Care Agency Telephone: 714-834-3446 Last EDR Contact: 11/03/2022

Next Scheduled EDR Contact: 02/13/2023 Data Release Frequency: Quarterly

UST ORANGE: List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 05/24/2022 Date Data Arrived at EDR: 08/01/2022 Date Made Active in Reports: 10/20/2022

Number of Days to Update: 80

Source: Health Care Agency Telephone: 714-834-3446 Last EDR Contact: 11/03/2022

Next Scheduled EDR Contact: 02/13/2023 Data Release Frequency: Quarterly

PLACER COUNTY:

MS PLACER: Master List of Facilities

List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 08/26/2022 Date Data Arrived at EDR: 08/29/2022 Date Made Active in Reports: 11/15/2022

Number of Days to Update: 78

Source: Placer County Health and Human Services

Telephone: 530-745-2363 Last EDR Contact: 11/22/2022

Next Scheduled EDR Contact: 03/13/2023 Data Release Frequency: Semi-Annually

PLUMAS COUNTY:

CUPA PLUMAS: CUPA Facility List

Plumas County CUPA Program facilities.

Date of Government Version: 03/31/2019 Date Data Arrived at EDR: 04/23/2019 Date Made Active in Reports: 06/26/2019

Number of Days to Update: 64

Source: Plumas County Environmental Health

Telephone: 530-283-6355 Last EDR Contact: 10/11/2022

Next Scheduled EDR Contact: 01/30/2023 Data Release Frequency: Varies

RIVERSIDE COUNTY:

LUST RIVERSIDE: Listing of Underground Tank Cleanup Sites

Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 09/22/2022 Date Data Arrived at EDR: 09/26/2022 Date Made Active in Reports: 12/09/2022

Number of Days to Update: 74

Source: Department of Environmental Health

Telephone: 951-358-5055 Last EDR Contact: 12/06/2022

Next Scheduled EDR Contact: 03/27/2023 Data Release Frequency: Quarterly

UST RIVERSIDE: Underground Storage Tank Tank List

Underground storage tank sites located in Riverside county.

Date of Government Version: 09/22/2022 Date Data Arrived at EDR: 09/26/2022 Date Made Active in Reports: 12/09/2022

Number of Days to Update: 74

Source: Department of Environmental Health

Telephone: 951-358-5055 Last EDR Contact: 12/06/2022

Next Scheduled EDR Contact: 03/27/2023 Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

CS SACRAMENTO: Toxic Site Clean-Up List

List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 06/18/2021 Date Data Arrived at EDR: 09/28/2021 Date Made Active in Reports: 12/14/2021

Number of Days to Update: 77

Source: Sacramento County Environmental Management

Telephone: 916-875-8406 Last EDR Contact: 12/21/2022

Next Scheduled EDR Contact: 04/10/2023 Data Release Frequency: Quarterly

ML SACRAMENTO: Master Hazardous Materials Facility List

Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 05/04/2022 Date Data Arrived at EDR: 06/30/2022 Date Made Active in Reports: 07/05/2022

Number of Days to Update: 5

Source: Sacramento County Environmental Management

Telephone: 916-875-8406 Last EDR Contact: 12/09/2022

Next Scheduled EDR Contact: 04/10/2023 Data Release Frequency: Quarterly

SAN BENITO COUNTY:

CUPA SAN BENITO: CUPA Facility List

Cupa facility list

Date of Government Version: 07/27/2022 Date Data Arrived at EDR: 07/27/2022 Date Made Active in Reports: 10/11/2022

Number of Days to Update: 76

Source: San Benito County Environmental Health

Telephone: N/A

Last EDR Contact: 10/26/2022

Next Scheduled EDR Contact: 02/16/2023 Data Release Frequency: Varies

SAN BERNARDINO COUNTY:

PERMITS SAN BERNARDINO: Hazardous Material Permits

This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 08/22/2022 Date Data Arrived at EDR: 08/23/2022 Date Made Active in Reports: 11/11/2022

Number of Days to Update: 80

Source: San Bernardino County Fire Department Hazardous Materials Division

Telephone: 909-387-3041 Last EDR Contact: 10/28/2022

Next Scheduled EDR Contact: 02/16/2023 Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

HMMD SAN DIEGO: Hazardous Materials Management Division Database

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 08/25/2022 Date Data Arrived at EDR: 08/25/2022 Date Made Active in Reports: 11/15/2022

Number of Days to Update: 82

Source: Hazardous Materials Management Division

Telephone: 619-338-2268 Last EDR Contact: 11/29/2022

Next Scheduled EDR Contact: 03/13/2023 Data Release Frequency: Quarterly

LF SAN DIEGO: Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 10/27/2021 Date Data Arrived at EDR: 03/04/2022 Date Made Active in Reports: 05/31/2022

Number of Days to Update: 88

Source: Department of Health Services

Telephone: 619-338-2209 Last EDR Contact: 10/11/2022

Next Scheduled EDR Contact: 01/30/2023 Data Release Frequency: Varies

SAN DIEGO CO LOP: Local Oversight Program Listing

A listing of all LOP release sites that are or were under the County of San Diego's jurisdiction. Included are closed or transferred cases, open cases, and cases that did not have a case type indicated. The cases without a case type are mostly complaints; however, some of them could be LOP cases.

Date of Government Version: 07/22/2021 Date Data Arrived at EDR: 10/19/2021 Date Made Active in Reports: 01/13/2022

Number of Days to Update: 86

Source: Department of Environmental Health

Telephone: 858-505-6874 Last EDR Contact: 10/11/2022

Next Scheduled EDR Contact: 01/30/2023 Data Release Frequency: Varies

SAN DIEGO CO SAM: Environmental Case Listing

The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010 Date Data Arrived at EDR: 06/15/2010 Date Made Active in Reports: 07/09/2010

Number of Days to Update: 24

Source: San Diego County Department of Environmental Health

Telephone: 619-338-2371 Last EDR Contact: 11/22/2022

Next Scheduled EDR Contact: 03/13/2023 Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

CUPA SAN FRANCISCO CO: CUPA Facility Listing

Cupa facilities

Date of Government Version: 08/04/2022 Date Data Arrived at EDR: 08/04/2022 Date Made Active in Reports: 10/20/2022

Number of Days to Update: 77

Source: San Francisco County Department of Environmental Health

Telephone: 415-252-3896 Last EDR Contact: 10/26/2022

Next Scheduled EDR Contact: 02/16/2023 Data Release Frequency: Varies

LUST SAN FRANCISCO: Local Oversite Facilities

A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008 Date Data Arrived at EDR: 09/19/2008 Date Made Active in Reports: 09/29/2008

Number of Days to Update: 10

Source: Department Of Public Health San Francisco County

Telephone: 415-252-3920 Last EDR Contact: 10/26/2022

Next Scheduled EDR Contact: 02/16/2023 Data Release Frequency: No Update Planned

UST SAN FRANCISCO: Underground Storage Tank Information
Underground storage tank sites located in San Francisco county.

Date of Government Version: 08/04/2022 Date Data Arrived at EDR: 08/04/2022 Date Made Active in Reports: 10/20/2022

Number of Days to Update: 77

Source: Department of Public Health Telephone: 415-252-3920

Last EDR Contact: 10/26/2022

Next Scheduled EDR Contact: 02/13/2023 Data Release Frequency: Quarterly

SAN FRANCISO COUNTY:

SAN FRANCISCO MAHER: Maher Ordinance Property Listing

a listing of properties that fall within a Maher Ordinance, for all of San Francisco

Date of Government Version: 10/11/2022 Date Data Arrived at EDR: 10/14/2022 Date Made Active in Reports: 01/04/2023

Number of Days to Update: 82

Source: San Francisco Planning Telephone: 628-652-7483 Last EDR Contact: 10/07/2022

Next Scheduled EDR Contact: 01/30/2023 Data Release Frequency: Varies

SAN JOAQUIN COUNTY:

UST SAN JOAQUIN: San Joaquin Co. UST

A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 06/22/2018 Date Data Arrived at EDR: 06/26/2018 Date Made Active in Reports: 07/11/2018

Number of Days to Update: 15

Source: Environmental Health Department

Telephone: N/A

Last EDR Contact: 12/06/2022

Next Scheduled EDR Contact: 03/27/2023 Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA SAN LUIS OBISPO: CUPA Facility List Cupa Facility List.

Date of Government Version: 08/10/2022 Date Data Arrived at EDR: 08/11/2022 Date Made Active in Reports: 10/28/2022

Number of Days to Update: 78

Source: San Luis Obispo County Public Health Department

Telephone: 805-781-5596 Last EDR Contact: 11/08/2022

Next Scheduled EDR Contact: 02/27/2023

Data Release Frequency: Varies

SAN MATEO COUNTY:

BI SAN MATEO: Business Inventory

List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 02/20/2020 Date Data Arrived at EDR: 02/20/2020 Date Made Active in Reports: 04/24/2020

Number of Days to Update: 64

Source: San Mateo County Environmental Health Services Division

Telephone: 650-363-1921 Last EDR Contact: 12/09/2022

Next Scheduled EDR Contact: 03/20/2023 Data Release Frequency: Annually

LUST SAN MATEO: Fuel Leak List

A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 03/29/2019 Date Data Arrived at EDR: 03/29/2019 Date Made Active in Reports: 05/29/2019

Number of Days to Update: 61

Source: San Mateo County Environmental Health Services Division

Telephone: 650-363-1921 Last EDR Contact: 11/30/2022

Next Scheduled EDR Contact: 03/20/2023 Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

CUPA SANTA BARBARA: CUPA Facility Listing

CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011 Date Data Arrived at EDR: 09/09/2011 Date Made Active in Reports: 10/07/2011

Number of Days to Update: 28

Source: Santa Barbara County Public Health Department

Telephone: 805-686-8167 Last EDR Contact: 11/08/2022

Next Scheduled EDR Contact: 02/27/2023 Data Release Frequency: No Update Planned

SANTA CLARA COUNTY:

CUPA SANTA CLARA: Cupa Facility List

Cupa facility list

Date of Government Version: 05/16/2022 Date Data Arrived at EDR: 05/18/2022 Date Made Active in Reports: 08/04/2022

Number of Days to Update: 78

Source: Department of Environmental Health

Telephone: 408-918-1973 Last EDR Contact: 10/28/2022

Next Scheduled EDR Contact: 02/27/2023

Data Release Frequency: Varies

HIST LUST SANTA CLARA: HIST LUST - Fuel Leak Site Activity Report

A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county.

Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005 Date Data Arrived at EDR: 03/30/2005 Date Made Active in Reports: 04/21/2005

Number of Days to Update: 22

Source: Santa Clara Valley Water District

Telephone: 408-265-2600 Last EDR Contact: 03/23/2009

Next Scheduled EDR Contact: 06/22/2009 Data Release Frequency: No Update Planned

LUST SANTA CLARA: LOP Listing

A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/03/2014 Date Data Arrived at EDR: 03/05/2014 Date Made Active in Reports: 03/18/2014

Number of Days to Update: 13

Source: Department of Environmental Health

Telephone: 408-918-3417 Last EDR Contact: 11/15/2022

Next Scheduled EDR Contact: 03/06/2023 Data Release Frequency: No Update Planned

SAN JOSE HAZMAT: Hazardous Material Facilities

Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 11/03/2020 Date Data Arrived at EDR: 11/05/2020 Date Made Active in Reports: 01/26/2021

Number of Days to Update: 82

Source: City of San Jose Fire Department

Telephone: 408-535-7694 Last EDR Contact: 10/26/2022

Next Scheduled EDR Contact: 02/16/2023 Data Release Frequency: Annually

SANTA CRUZ COUNTY:

CUPA SANTA CRUZ: CUPA Facility List

CUPA facility listing.

Date of Government Version: 01/21/2017 Date Data Arrived at EDR: 02/22/2017 Date Made Active in Reports: 05/23/2017

Number of Days to Update: 90

Source: Santa Cruz County Environmental Health

Telephone: 831-464-2761 Last EDR Contact: 11/08/2022

Next Scheduled EDR Contact: 02/27/2023

Data Release Frequency: Varies

SHASTA COUNTY:

CUPA SHASTA: CUPA Facility List

Cupa Facility List.

Date of Government Version: 06/15/2017 Date Data Arrived at EDR: 06/19/2017 Date Made Active in Reports: 08/09/2017

Number of Days to Update: 51

Source: Shasta County Department of Resource Management

Telephone: 530-225-5789 Last EDR Contact: 11/08/2022

Next Scheduled EDR Contact: 02/27/2023

Data Release Frequency: Varies

SOLANO COUNTY:

LUST SOLANO: Leaking Underground Storage Tanks

A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 06/04/2019 Date Data Arrived at EDR: 06/06/2019 Date Made Active in Reports: 08/13/2019

Number of Days to Update: 68

Source: Solano County Department of Environmental Management

Telephone: 707-784-6770 Last EDR Contact: 11/22/2022

Next Scheduled EDR Contact: 03/13/2023 Data Release Frequency: Quarterly

UST SOLANO: Underground Storage Tanks

Underground storage tank sites located in Solano county.

Date of Government Version: 09/15/2021 Date Data Arrived at EDR: 09/16/2021 Date Made Active in Reports: 12/09/2021

Number of Days to Update: 84

Source: Solano County Department of Environmental Management

Telephone: 707-784-6770 Last EDR Contact: 11/22/2022

Next Scheduled EDR Contact: 03/13/2023 Data Release Frequency: Quarterly

SONOMA COUNTY:

CUPA SONOMA: Cupa Facility List

Cupa Facility list

Date of Government Version: 07/02/2021 Date Data Arrived at EDR: 07/06/2021 Date Made Active in Reports: 07/14/2021

Number of Days to Update: 8

Source: County of Sonoma Fire & Emergency Services Department

Telephone: 707-565-1174 Last EDR Contact: 12/13/2022

Next Scheduled EDR Contact: 04/03/2023 Data Release Frequency: Varies

LUST SONOMA: Leaking Underground Storage Tank Sites

A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 06/30/2021 Date Data Arrived at EDR: 06/30/2021 Date Made Active in Reports: 09/24/2021

Number of Days to Update: 86

Source: Department of Health Services

Telephone: 707-565-6565 Last EDR Contact: 12/13/2022

Next Scheduled EDR Contact: 04/03/2023 Data Release Frequency: Quarterly

STANISLAUS COUNTY:

CUPA STANISLAUS: CUPA Facility List

Cupa facility list

Date of Government Version: 02/08/2022 Date Data Arrived at EDR: 02/10/2022 Date Made Active in Reports: 05/04/2022

Number of Days to Update: 83

Source: Stanislaus County Department of Ennvironmental Protection

Telephone: 209-525-6751 Last EDR Contact: 01/09/2023

Next Scheduled EDR Contact: 04/24/2023

Data Release Frequency: Varies

SUTTER COUNTY:

UST SUTTER: Underground Storage Tanks

Underground storage tank sites located in Sutter county.

Date of Government Version: 08/03/2022 Date Data Arrived at EDR: 08/25/2022 Date Made Active in Reports: 11/14/2022

Number of Days to Update: 81

Source: Sutter County Environmental Health Services

Telephone: 530-822-7500 Last EDR Contact: 11/23/2022

Next Scheduled EDR Contact: 03/13/2023 Data Release Frequency: Semi-Annually

TEHAMA COUNTY:

CUPA TEHAMA: CUPA Facility List

Cupa facilities

Date of Government Version: 07/27/2022 Date Data Arrived at EDR: 07/27/2022 Date Made Active in Reports: 10/11/2022

Number of Days to Update: 76

Source: Tehama County Department of Environmental Health

Telephone: 530-527-8020 Last EDR Contact: 11/08/2022

Next Scheduled EDR Contact: 02/16/2023 Data Release Frequency: Varies

TRINITY COUNTY:

CUPA TRINITY: CUPA Facility List

Cupa facility list

Date of Government Version: 10/11/2022 Date Data Arrived at EDR: 10/12/2022 Date Made Active in Reports: 12/29/2022

Number of Days to Update: 78

Source: Department of Toxic Substances Control

Telephone: 760-352-0381 Last EDR Contact: 10/11/2022

Next Scheduled EDR Contact: 01/30/2023

Data Release Frequency: Varies

TULARE COUNTY:

CUPA TULARE: CUPA Facility List Cupa program facilities

Date of Government Version: 10/07/2022 Date Data Arrived at EDR: 10/07/2022 Date Made Active in Reports: 12/21/2022

Number of Days to Update: 75

Source: Tulare County Environmental Health Services Division

Telephone: 559-624-7400 Last EDR Contact: 10/05/2022

Next Scheduled EDR Contact: 02/16/2023

Data Release Frequency: Varies

TUOLUMNE COUNTY:

CUPA TUOLUMNE: CUPA Facility List

Cupa facility list

Date of Government Version: 04/23/2018 Date Data Arrived at EDR: 04/25/2018 Date Made Active in Reports: 06/25/2018

Number of Days to Update: 61

Source: Divison of Environmental Health

Telephone: 209-533-5633 Last EDR Contact: 10/11/2022

Next Scheduled EDR Contact: 01/30/2023

Data Release Frequency: Varies

VENTURA COUNTY:

BWT VENTURA: Business Plan, Hazardous Waste Producers, and Operating Underground Tanks

The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste

Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 09/26/2022 Date Data Arrived at EDR: 10/19/2022 Date Made Active in Reports: 01/10/2023

Number of Days to Update: 83

Source: Ventura County Environmental Health Division

Telephone: 805-654-2813 Last EDR Contact: 10/17/2022

Next Scheduled EDR Contact: 01/30/2023 Data Release Frequency: Quarterly

LF VENTURA: Inventory of Illegal Abandoned and Inactive Sites

Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 12/01/2011 Date Data Arrived at EDR: 12/01/2011 Date Made Active in Reports: 01/19/2012

Number of Days to Update: 49

Source: Environmental Health Division

Telephone: 805-654-2813 Last EDR Contact: 12/19/2022

Next Scheduled EDR Contact: 04/10/2023 Data Release Frequency: No Update Planned

LUST VENTURA: Listing of Underground Tank Cleanup Sites

Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008 Date Data Arrived at EDR: 06/24/2008 Date Made Active in Reports: 07/31/2008

Number of Days to Update: 37

Source: Environmental Health Division

Telephone: 805-654-2813 Last EDR Contact: 11/01/2022

Next Scheduled EDR Contact: 02/20/2023 Data Release Frequency: No Update Planned

MED WASTE VENTURA: Medical Waste Program List

To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 09/26/2022 Date Data Arrived at EDR: 10/20/2022 Date Made Active in Reports: 01/10/2023

Number of Days to Update: 82

Source: Ventura County Resource Management Agency

Telephone: 805-654-2813 Last EDR Contact: 10/17/2022

Next Scheduled EDR Contact: 01/30/2023 Data Release Frequency: Quarterly

UST VENTURA: Underground Tank Closed Sites List

Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 08/29/2022 Date Data Arrived at EDR: 08/31/2022 Date Made Active in Reports: 11/21/2022

Number of Days to Update: 82

Source: Environmental Health Division

Telephone: 805-654-2813 Last EDR Contact: 12/02/2022

Next Scheduled EDR Contact: 03/20/2023 Data Release Frequency: Quarterly

YOLO COUNTY:

UST YOLO: Underground Storage Tank Comprehensive Facility Report Underground storage tank sites located in Yolo county.

Date of Government Version: 09/21/2022 Date Data Arrived at EDR: 09/30/2022 Date Made Active in Reports: 12/14/2022

Number of Days to Update: 75

Source: Yolo County Department of Health

Telephone: 530-666-8646 Last EDR Contact: 12/19/2022

Next Scheduled EDR Contact: 04/10/2023 Data Release Frequency: Annually

YUBA COUNTY:

CUPA YUBA: CUPA Facility List

CUPA facility listing for Yuba County.

Date of Government Version: 10/25/2022 Date Data Arrived at EDR: 10/26/2022 Date Made Active in Reports: 10/31/2022

Number of Days to Update: 5

Source: Yuba County Environmental Health Department

Telephone: 530-749-7523 Last EDR Contact: 10/20/2022

Next Scheduled EDR Contact: 02/06/2023

Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 08/08/2022 Date Data Arrived at EDR: 08/08/2022 Date Made Active in Reports: 10/21/2022

Number of Days to Update: 74

Source: Department of Energy & Environmental Protection

Telephone: 860-424-3375 Last EDR Contact: 11/16/2022

Next Scheduled EDR Contact: 02/20/2023 Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2018 Date Data Arrived at EDR: 04/10/2019 Date Made Active in Reports: 05/16/2019

Number of Days to Update: 36

Source: Department of Environmental Protection

Telephone: N/A

Last EDR Contact: 12/28/2022

Next Scheduled EDR Contact: 04/17/2023 Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD

acility.

Date of Government Version: 01/01/2019 Date Data Arrived at EDR: 10/29/2021 Date Made Active in Reports: 01/19/2022

Number of Days to Update: 82

Source: Department of Environmental Conservation

Telephone: 518-402-8651 Last EDR Contact: 10/28/2022

Next Scheduled EDR Contact: 02/06/2023 Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 06/30/2018 Date Data Arrived at EDR: 07/19/2019 Date Made Active in Reports: 09/10/2019

Number of Days to Update: 53

Source: Department of Environmental Protection

Telephone: 717-783-8990 Last EDR Contact: 01/06/2023

Next Scheduled EDR Contact: 04/24/2023 Data Release Frequency: Annually

RI MANIFEST: Manifest information Hazardous waste manifest information

> Date of Government Version: 12/31/2020 Date Data Arrived at EDR: 11/30/2021 Date Made Active in Reports: 02/18/2022

Number of Days to Update: 80

Source: Department of Environmental Management

Telephone: 401-222-2797 Last EDR Contact: 12/20/2022

Next Scheduled EDR Contact: 02/27/2023 Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 05/31/2018 Date Data Arrived at EDR: 06/19/2019 Date Made Active in Reports: 09/03/2019

Number of Days to Update: 76

Source: Department of Natural Resources

Telephone: N/A

Last EDR Contact: 12/01/2022

Next Scheduled EDR Contact: 03/20/2023 Data Release Frequency: Annually

Oil/Gas Pipelines

Source: Endeavor Business Media

Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data

Source: Endeavor Business Media

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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services,

a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary

and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are

comparable across all states.

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Facilities Source: Department of Social Services

Telephone: 916-657-4041

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005, 2010 and 2015 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish and Wildlife

Telephone: 916-445-0411

Current USGS 7.5 Minute Topographic Map Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

DELTA VIEW GOLF COURSE 2222-2242 GOLF CLUB RD PITTSBURG, CA 94565

TARGET PROPERTY COORDINATES

Latitude (North): 38.013159 - 38^o 0' 47.37" Longitude (West): 121.909886 - 121^o 54' 35.59"

Universal Tranverse Mercator: Zone 10 UTM X (Meters): 595695.8 UTM Y (Meters): 4207630.0

Elevation: 85 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map: 12021611 HONKER BAY, CA

Version Date: 2018

South Map: 12008696 CLAYTON, CA

Version Date: 2018

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

- 1. Groundwater flow direction, and
- 2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

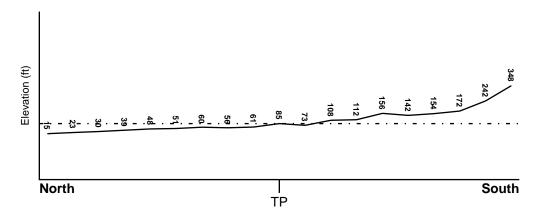
TOPOGRAPHIC INFORMATION

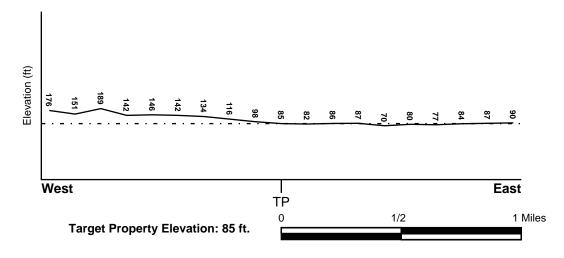
Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General NNE

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES





Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Flood Plain Panel at Target Property FEMA Source Type

06013C0118G FEMA FIRM Flood data

Additional Panels in search area: FEMA Source Type

06013C0119G FEMA FIRM Flood data 06013C0306F FEMA FIRM Flood data 06013C0307F FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property Data Coverage

HONKER BAY

YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius: 1.25 miles Status: Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

LOCATION GENERAL DIRECTION

MAP ID FROM TP GROUNDWATER FLOW

Not Reported

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

GEOLOGIC AGE IDENTIFICATION

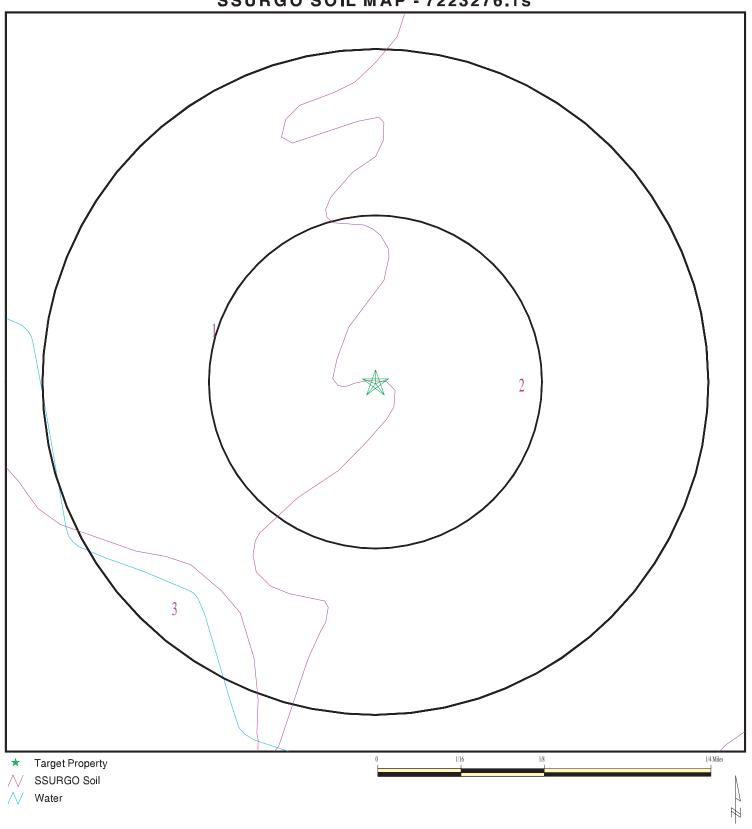
Era: Cenozoic Category: Stratified Sequence

System: Tertiary Series: Miocene

Code: Tm (decoded above as Era, System & Series)

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 7223276.1s



SITE NAME: Delta View Golf Course ADDRESS: 2222-2242 Golf Club Rd Pittsburg CA 94565 LAT/LONG: 38.013159 / 121.909886 CLIENT: WSP USA Inc. CONTACT: Xin Jiang INQUIRY #: 7223276.1s

DATE: January 12, 2023 10:56 am

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: RINCON

Soil Surface Texture: clay loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward

movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

			Soil Laye	r Information			
Layer	Boundary			Classification		Saturated hydraulic	
	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec	
1	0 inches	11 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 1.4	Max: 8.4 Min: 7.9
2	11 inches	29 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 1.4	Max: 8.4 Min: 7.9
3	29 inches	59 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 1.4	Max: 8.4 Min: 7.9

Soil Map ID: 2

Soil Component Name: CAPAY

Soil Surface Texture: clay

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high

water table, or are shallow to an impervious layer.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

			Soil Layer	r Information			
Layer	Boundary			Classification		Saturated hydraulic	
	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec	Soil Reaction (pH)
1	0 inches	35 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 1.4 Min: 0.42	Max: 8.4 Min: 6.6
2	35 inches	51 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 1.4 Min: 0.42	Max: 8.4 Min: 6.6
3	51 inches	72 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 1.4 Min: 0.42	Max: 8.4 Min: 6.6

Soil Map ID: 3

Soil Component Name: ALTAMONT

Soil Surface Texture: clay

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high

water table, or are shallow to an impervious layer.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary			Classification		Saturated hydraulic	
	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec	
1	0 inches	25 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	Not reported	Max: 1.4 Min: 0	Max: Min:
2	25 inches	48 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	Not reported	Max: 1.4 Min: 0	Max: Min:
3	48 inches	51 inches	weathered bedrock	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	Not reported	Max: 1.4 Min: 0	Max: Min:

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE SEARCH DISTANCE (miles)

Federal USGS 1.000

Federal FRDS PWS Nearest PWS within 1 mile

State Database 1.000

FEDERAL USGS WELL INFORMATION

MAP ID WELL ID LOCATION FROM TP

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP	
E14	USGS40000186593	1/2 - 1 Mile North	
F18	USGS40000186595	1/2 - 1 Mile North	

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID WELL ID FROM TP

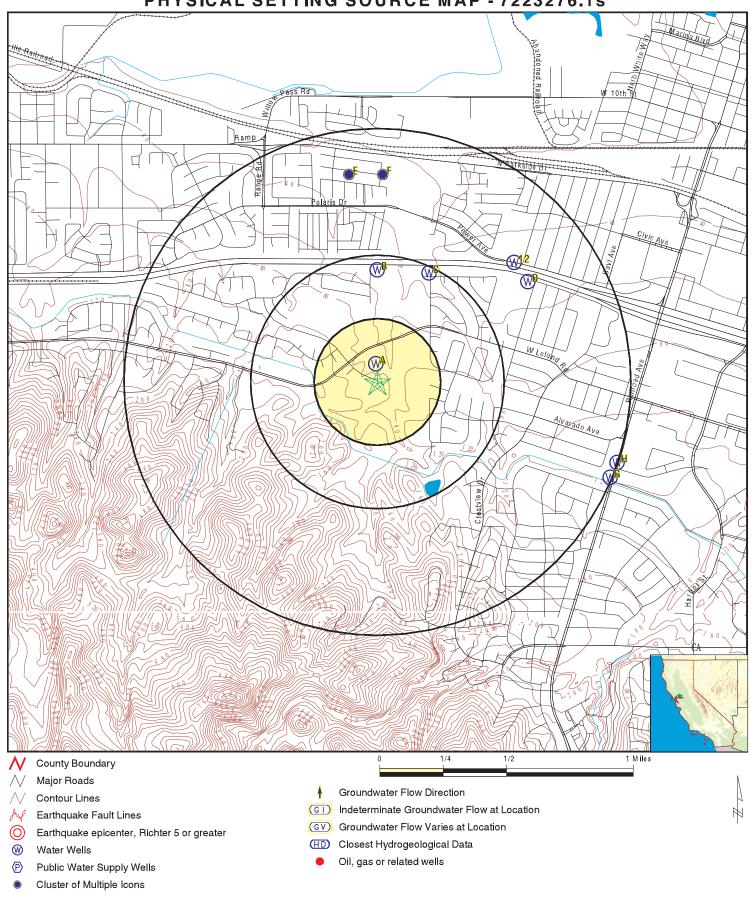
No PWS System Found

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
	CADWR9000038157	0 - 1/8 Mile North
A2	CADWR9000038158	0 - 1/8 Mile North
B3	CADDW0000002280	1/4 - 1/2 Mile North
B4	CADWR9000038168	1/4 - 1/2 Mile North
B5	CADWR9000038169	1/4 - 1/2 Mile North
B6	CADWR9000038170	1/4 - 1/2 Mile North
C7	CADDW0000015760	1/4 - 1/2 Mile NNE
C8	CADDW0000016343	1/4 - 1/2 Mile NNE
D9	CADWR9000038165	1/2 - 1 Mile ENE
D10	CADWR9000038166	1/2 - 1 Mile ENE
D11	CADWR9000038167	1/2 - 1 Mile ENE
12	CADDW0000016540	1/2 - 1 Mile NE
E13	CAUSGSN00009329	1/2 - 1 Mile North
F15	1602	1/2 - 1 Mile North
F16	1603	1/2 - 1 Mile North
F17	CAUSGSN00004941	1/2 - 1 Mile North
E19	CADWR9000038181	1/2 - 1 Mile North
E20	CADWR0000012713	1/2 - 1 Mile North
G21	CAEDF0000113005	1/2 - 1 Mile ESE
H22	CAEDF0000071564	1/2 - 1 Mile ESE
G23	CAEDF0000131942	1/2 - 1 Mile ESE
H24	CAEDF0000127051	1/2 - 1 Mile ESE

PHYSICAL SETTING SOURCE MAP - 7223276.1s



 SITE NAME:
 Delta View Golf Course
 CLIENT:

 ADDRESS:
 2222-2242 Golf Club Rd
 CONTACT:

 Pittsburg CA 94565
 INQUIRY #

 LAT/LONG:
 38.013159 / 121.909886
 DATE:

CLIENT: WSP USA Inc. CONTACT: Xin Jiang INQUIRY#: 7223276.1s

DATE: January 12, 2023 10:56 am

GEOCHECK®-PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance

Elevation Database EDR ID Number

A1 North 0 - 1/8 Mile

CA WELLS CADWR9000038157

Lower

State Well #: Not Reported Station ID: 48661

Well Name: Golf Course MW-190 Pittsburg Plain Basin Name:

Well Use: Observation

Well Type: Part of a nested/multi-completion well

Well Depth: Well Completion Rpt #: e052849

North **CA WELLS** CADWR9000038158

0 - 1/8 Mile Lower

> State Well #: Not Reported Station ID: 48662

Well Name: Golf Course MW-250 Basin Name: Pittsburg Plain

Well Use: Observation

Well Type: Part of a nested/multi-completion well

Well Depth: 250 Well Completion Rpt #: e052849

North 1/4 - 1/2 Mile

CA WELLS CADDW0000002280

Lower

Well ID: 0710008-005 MUNICIPAL Well Type:

Source: Department of Health Services

Other Name: **BODEGA WELL GAMA PFAS Testing:** Not Reported

Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&samp_

date=&global_id=&assigned_name=0710008-005&store_num=

GeoTracker Data: Not Reported

B4 North **CA WELLS** CADWR9000038168

1/4 - 1/2 Mile Lower

> State Well #: Not Reported Station ID: 48654

Well Name: Bodega MW-120 Basin Name: Pittsburg Plain

Well Use: Observation

Well Type: Part of a nested/multi-completion well

Well Depth: 120 Well Completion Rpt #: e052847

B5

1/4 - 1/2 Mile Lower

North

State Well #: Not Reported Station ID: 48655

Pittsburg Plain Well Name: Bodega MW-190 Basin Name:

CA WELLS

CADWR9000038169

GEOCHECK®-PHYSICAL SETTING SOURCE MAP FINDINGS

Well Use: Observation

Well Type: Part of a nested/multi-completion well

Well Depth: 190 Well Completion Rpt #: e052847

B6
North
CA WELLS CADWR9000038170
1/4 - 1/2 Mile

Lower

State Well #: Not Reported Station ID: 48656
Well Name: Bodega MW-290 Basin Name: Pittsburg Plain

Well Use: Observation

Well Type: Part of a nested/multi-completion well

Well Depth: 295 Well Completion Rpt #: e052847

NNE CA WELLS CADDW0000015760
1/4 - 1/2 Mile

1/4 - 1/2 MIII Lower

Well ID: 0710008-017 Well Type: MUNICIPAL

Source: Department of Health Services

Other Name: DOVER WELL GAMA PFAS Testing: Not Reported

Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&samp_

date=&global_id=&assigned_name=0710008-017&store_num=

GeoTracker Data: Not Reported

C8
NNE

CA WELLS

CADDW0000016343

1/4 - 1/2 Mile Lower

Well ID: 0710008-002 Well Type: MUNICIPAL

Source: Department of Health Services

Other Name: ROSSMOORE WELL GAMA PFAS Testing: Not Reported

Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&samp_

date=&global_id=&assigned_name=0710008-002&store_num=

GeoTracker Data: Not Reported

D9
ENE CA WELLS CADWR9000038165

1/2 - 1 Mile

Lower

State Well #: Not Reported Station ID: 48657

Well Name: Burton MW-150 Basin Name: Pittsburg Plain

Well Use: Observation

Well Type: Part of a nested/multi-completion well

Well Depth: 150 Well Completion Rpt #: e040284

GEOCHECK®-PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance

Elevation Database EDR ID Number

D10 **ENE**

1/2 - 1 Mile

Lower

State Well #: Not Reported Station ID: 48658

Burton MW-230 Basin Name: Well Name: Pittsburg Plain

Well Use: Observation

Well Type: Part of a nested/multi-completion well

Well Depth: Well Completion Rpt #: e040284

CA WELLS CADWR9000038167 1/2 - 1 Mile

Lower

State Well #: Not Reported Station ID: 48659 Well Name: Burton MW-330 Basin Name: Pittsburg Plain

Well Use: Observation

Well Type: Part of a nested/multi-completion well

Well Depth: 330 Well Completion Rpt #: e040284

1/2 - 1 Mile Lower

> Well ID: 0707609-001 MUNICIPAL Well Type:

Source: Department of Health Services

Other Name: **GAMA PFAS Testing:** Not Reported

Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&samp_

date=&global_id=&assigned_name=0707609-001&store_num=

GeoTracker Data: Not Reported

E13

North 1/2 - 1 Mile Lower

> Well ID: USGS-380129121543901 Well Type: UNK

Source: United States Geological Survey

Other Name: USGS-380129121543901 GAMA PFAS Testing: Not Reported

Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&s

amp_date=&global_id=&assigned_name=USGS-380129121543901&store_num=

GeoTracker Data: Not Reported **CA WELLS**

CA WELLS

CA WELLS

CADWR9000038166

CADDW0000016540

CAUSGSN00009329

Map ID Direction Distance

Elevation Database EDR ID Number

E14 North 1/2 - 1 Mile

Lower

FED USGS USGS40000186593

Organization ID: USGS-CA

Organization Name: USGS California Water Science Center

Monitor Location: 002N001E18D001M Well Type: Description: Not Reported HUC: 18050001 Not Reported Drainage Area Units: Not Reported Drainage Area: Contrib Drainage Area: Not Reported Contrib Drainage Area Unts: Not Reported

Aquifer: Central Valley aquifer system

Formation Type: Quaternary Alluvium Aquifer Type: Not Reported

Construction Date: 19570628 Well Depth: 125

Well Depth Units: ft Well Hole Depth: Not Reported

Well Hole Depth Units: Not Reported

Ground water levels, Number of Measurements: 46 Level reading date: 1990-09-28 Feet below surface: Not Reported Feet to sea level: Not Reported

Note: The measurement was discontinued.

Level reading date: 1990-09-27 Feet below surface: 19.62

Feet to sea level: Not Reported Note: The site was being pumped.

Level reading date: 1990-04-24 Feet below surface: 18.02

Feet to sea level: Not Reported Note: The site had been pumped recently.

Level reading date: 1989-10-19 Feet below surface: 18.50

Feet to sea level: Not Reported Note: The site was being pumped.

Level reading date: 1989-04-07 Feet below surface: 18.03

Feet to sea level: Not Reported Note: Not Reported

Level reading date: 1988-10-14 Feet below surface: 19.02

Feet to sea level: Not Reported Note: Not Reported

Level reading date: 1988-04-14 Feet below surface: 18.96

Feet to sea level: Not Reported Note: Not Reported

Level reading date: 1987-11-20 Feet below surface: 19.05

Feet to sea level: Not Reported Note: Not Reported

Level reading date: 1987-05-14 Feet below surface: 17.78

Feet to sea level: Not Reported Note: Not Reported

Level reading date: 1986-10-24 Feet below surface: 18.49

Feet to sea level: Not Reported Note: Not Reported

Level reading date: 1986-04-28 Feet below surface: 17.68

Feet to sea level: Not Reported Note: Not Reported

Level reading date: 1985-10-10 Feet below surface: 19.07

Feet to sea level: Not Reported Note: Not Reported

Level reading date: 1985-04-26 Feet below surface: 18.63

Feet to sea level: Not Reported Note: The site had been pumped recently.

Level reading date: 1984-10-31 Feet below surface: 18.89

Feet to sea level: Not Reported Note: The site had been pumped recently.

Level reading date: 1984-04-19 Feet below surface: 18.23 Feet to sea level: Not Reported Note: Not Reported Level reading date: 1983-10-19 Feet below surface: 18.40 Feet to sea level: Not Reported Not Reported Note: Level reading date: 1983-04-25 Feet below surface: 18.37 Feet to sea level: Not Reported Note: Not Reported 1982-09-23 19.95 Level reading date: Feet below surface: Feet to sea level: Not Reported Note: The site had been pumped recently. Level reading date: 1982-04-28 Feet below surface: 19.24 Feet to sea level: Not Reported Note: Not Reported Level reading date: 1981-10-13 Feet below surface: 20.7 Feet to sea level: Not Reported Not Reported Level reading date: 1981-09-18 Feet below surface: 22.47 Feet to sea level: Not Reported Note: The site was being pumped. Level reading date: 1981-04-21 Feet below surface: 20.30 Feet to sea level: Not Reported Note: Not Reported 1981-03-19 Feet below surface: Level reading date: 20.3 Feet to sea level: Not Reported Note: Not Reported Level reading date: 1980-10-15 Feet below surface: 20.5 Feet to sea level: Not Reported Note: Not Reported Level reading date: 1980-03-25 Feet below surface: 21.5 Feet to sea level: Not Reported Note: Not Reported Level reading date: 1979-10-15 Feet below surface: 28.4 Feet to sea level: Not Reported Note: Not Reported Level reading date: 1979-04-09 Feet below surface: 20.9 Feet to sea level: Note: Not Reported Not Reported Level reading date: 1978-10-11 Feet below surface: 22.0 Feet to sea level: Not Reported Note: Not Reported 1978-03-21 Feet below surface: Level reading date: 19.7 Feet to sea level: Not Reported Note: Not Reported Level reading date: 1977-10-06 Feet below surface: Feet to sea level: The site was being pumped. Not Reported Note: Level reading date: 1977-03-07 Feet below surface: 21.1 Feet to sea level: Not Reported Note: Not Reported Level reading date: 1976-10-15 Feet below surface: 21.5 Feet to sea level: Not Reported Note: Not Reported Level reading date: 1976-03-05 Feet below surface: Feet to sea level: Not Reported Note: The site was being pumped. 1975-10-16 Feet below surface: 25.2 Level reading date:

Note:

Note:

Feet below surface:

Feet to sea level:

Level reading date:

Feet to sea level:

Not Reported

1975-03-06

Not Reported

23.9

Not Reported

Not Reported

Level reading date: 1974-10-03 Feet below surface: 21.1

Feet to sea level: Not Reported Note: Not Reported

Level reading date: 1974-03-06 Feet below surface: 20.9

Feet to sea level: Not Reported Note: Not Reported

Level reading date: 1973-10-03 Feet below surface: 21.8

Feet to sea level: Not Reported Note: Not Reported

Level reading date: 1973-03-30 Feet below surface: 20.6

Feet to sea level: Not Reported Note: Not Reported

Level reading date: 1972-10-06 Feet below surface: 24.1

Feet to sea level: Not Reported Note: Not Reported

Level reading date: 1972-03-13 Feet below surface: 21.9

Feet to sea level: Not Reported Note: Not Reported

Level reading date: 1971-10-13 Feet below surface: 22.8

Feet to sea level: Not Reported Note: Not Reported

Level reading date: 1971-03-08 Feet below surface: 21.4

Feet to sea level: Not Reported Note: Not Reported

Level reading date: 1970-10-19 Feet below surface: 24.9

Feet to sea level: Not Reported Note: Not Reported

Level reading date: 1970-03-24 Feet below surface: 22.6

Feet to sea level: Not Reported Note: Not Reported

Level reading date: 1969-04-06 Feet below surface: 22.2

Feet to sea level: Not Reported Note: Not Reported

F15 North CA WELLS 1602

1/2 - 1 Mile Lower

Seq: 1602 Prim sta c: 02N/01E-18C02 M

 Frds no:
 0707609001
 County:
 07

 District:
 37
 User id:
 07C

 System no:
 0707609
 Water type:
 G

Source nam: WELL 01 Station ty: WELL/AMBNT/MUN/INTAKE

Latitude: 380130.0 Longitude: 1215430.0 Precision: 3 Status: AR

Precision: 3 Status: AR
Comment 1: Not Reported Comment 2: Not Reported

Comment 3: Not Reported Comment 4: Not Reported Comment 5: Not Reported Comment 6: Not Reported

Comment 7: Not Reported

System no: 0707609 System nam: North American Refractories

Hqname:Not ReportedAddress:Not ReportedCity:Not ReportedState:Not ReportedZip:Not ReportedZip ext:Not Reported

Pop serv: 0 Connection:

Area serve: Not Reported

Map ID
Direction
Distance
Elevation

Distance Elevation			Database	EDR ID Number
F16 North			CA WELLS	1603
1/2 - 1 Mile Lower				
Seq:	1603	Prim sta c:	02N/01E-18	3G01 M
Frds no:	0710008002	County:	07	
District:	04	User id:	ENG	
System no:	0710008	Water type:	G	
Source nam:	ROSSMOORE WELL	Station ty:	WELL/AMB	NT
		-		
Latitude:	380130.0	Longitude:	1215430.0	
Precision:	4	Status:	AR	
Comment 1:	Not Reported			
Comment 2:	TREATED AT PITTSBURG WTP - EX	XCEEDS MN AND TDS MC		
Comment 3:	Not Reported	Comment 4:	Not Reporte	ed
Comment 5:	Not Reported	Comment 6:	Not Reporte	ed
Comment 7:	Not Reported			
System no:	0710008	System nam:	Pittsburg	
Hqname:	Not Reported	Address:	65 CIVIC A	VENUE
City:	PITTSBURG	State:	Not Reporte	ed
Zip:	94565	Zip ext:	Not Reporte	
Pop serv:	48700	Connection:	14117	
Area serve:	PITTSBURG	Connection.	14117	
Sample date:	06-JUL-16	Finding:	1.9	
Chemical:	NITRATE (AS N)	Report units:	MG/L	
DIr:	0.4			
Sample date:	12-APR-16	Finding:	2.3	
Chemical:	NITRATE (AS N)	Report units:	MG/L	
DIr:	0.4	resport units.		
Sample date:	05-JAN-16	Finding:	2.3	
Chemical:	NITRATE (AS N)	Report units:	MG/L	
DIr:	0.4	•		
Sample date:	04-AUG-15	Finding:	1000.	
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L	
DIr:	0.			
Sample date:	02-JUL-14	Finding:	93.	
Chemical:	CALCIUM	Report units:	MG/L	
DIr:	0.			
Sample date:	02-JUL-14	Finding:	42.	
Chemical: Dlr:	MAGNESIUM 0.	Report units:	MG/L	
Sample date:	02-JUL-14	Finding:	120.	
Chemical:	SODIUM	Report units:	MG/L	
DIr:	0.			
Sample date:	02-JUL-14	Finding:	6.9	
Chemical:	POTASSIUM	Report units:	MG/L	
DIr:	0.			
Sample date:	02-JUL-14	Finding:	130.	
Chemical:	CHLORIDE	Report units:	MG/L	
Dlr:	0.			

Sample date: Chemical: Dlr:	02-JUL-14 SULFATE 0.5	Finding: Report units:	220. MG/L
Sample date: Chemical: Dlr:	02-JUL-14 FLUORIDE (F) (NATURAL-SOURCE) 0.1	Finding: Report units:	0.18 MG/L
Sample date: Chemical: Dlr:	02-JUL-14 SELENIUM 5.	Finding: Report units:	8.8 UG/L
Sample date: Chemical: Dlr:	02-JUL-14 TOTAL DISSOLVED SOLIDS 0.	Finding: Report units:	930. MG/L
Sample date: Chemical: Dlr:	02-JUL-14 TURBIDITY, LABORATORY 0.1	Finding: Report units:	0.22 NTU
Sample date: Chemical: Dlr:	02-JUL-14 AGGRSSIVE INDEX (CORROSIVITY) 0.	Finding: Report units:	12.34 Not Reported
Sample date: Chemical: Dlr:	02-JUL-14 NITRATE + NITRITE (AS N) 0.4	Finding: Report units:	2600. MG/L
Sample date: Chemical: Dlr:	02-JUL-14 GROSS ALPHA 3.	Finding: Report units:	6.66 PCI/L
Sample date: Chemical: Dlr:	02-JUL-14 GROSS ALPHA COUNTING ERROR 0.	Finding: Report units:	2.15 PCI/L
Sample date: Chemical: Dlr:	02-JUL-14 GROSS ALPHA MDA95 0.	Finding: Report units:	1.96 PCI/L
Sample date: Chemical: Dlr:	02-JUL-14 HARDNESS (TOTAL) AS CACO3 0.	Finding: Report units:	404. MG/L
Sample date: Chemical: Dlr:	02-JUL-14 BICARBONATE ALKALINITY 0.	Finding: Report units:	270. MG/L
Sample date: Chemical: Dlr:	02-JUL-14 ALKALINITY (TOTAL) AS CACO3 0.	Finding: Report units:	220. MG/L
Sample date: Chemical: Dlr:	02-JUL-14 PH, LABORATORY 0.	Finding: Report units:	7.62 Not Reported
Sample date: Chemical: Dlr:	02-JUL-14 SPECIFIC CONDUCTANCE 0.	Finding: Report units:	1300. US
Sample date: Chemical:	02-JUL-14 ARSENIC	Finding: Report units:	7.4 UG/L

Dlr: 2.

Sample date: 08-JUL-13 Finding: 9.4 Chemical: NITRATE (AS NO3) Report units: MG/L

Dlr: 2.

Sample date: 06-NOV-12 Finding: 9.6 Chemical: NITRATE (AS NO3) Report units: MG/L

Dlr: 2.

F17
North CA WELLS CAUSGSN00004941

1/2 - 1 Mile Lower

Well ID: USGS-380131121543101 Well Type: UNK

Source: United States Geological Survey

Other Name: USGS-380131121543101 GAMA PFAS Testing: Not Reported

Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&s

amp_date=&global_id=&assigned_name=USGS-380131121543101&store_num=

GeoTracker Data: Not Reported

F18 North FED USGS USGS40000186595

1/2 - 1 Mile Lower

Organization ID: USGS-CA

Organization Name: USGS California Water Science Center

Monitor Location: 002N001E18C001M Well Type: Description: 18050001 Not Reported HUC: Drainage Area: Not Reported Drainage Area Units: Not Reported Contrib Drainage Area: Not Reported Contrib Drainage Area Unts: Not Reported

Aquifer: Central Valley aquifer system

Formation Type: Quaternary Alluvium Aquifer Type: Not Reported

Construction Date:1970Well Depth:205Well Depth Units:ftWell Hole Depth:205

Well Hole Depth Units: ft

Ground water levels, Number of Measurements: 62 Level reading date: 1990-09-28 Feet below surface: Not Reported Feet to sea level: Not Reported

Note: The measurement was discontinued.

Level reading date: 1990-09-27 Feet below surface: Not Reported

Feet to sea level: Not Reported

Note: An obstruction was encountered in the well above the water surface (no water level recorded).

Level reading date: 1990-04-24 Feet below surface: Not Reported

Feet to sea level: Not Reported

Note: An obstruction was encountered in the well above the water surface (no water level recorded).

Level reading date: 1989-10-19 Feet below surface: 16.93

Feet to sea level: Not Reported Note: Not Reported

Level reading date: 1989-04-07 Feet below surface: 16.77

Feet to sea level: Not Reported Note: Not Reported

Level reading date: 1988-10-14 Feet below surface: 17.72

Feet to sea level: Not Reported Not Reported Note: Level reading date: 1988-04-14 Feet below surface: Not Reported Feet to sea level: Not Reported An obstruction was encountered in the well above the water surface (no water level recorded). Note: Level reading date: 1987-11-20 Feet below surface: 17.80 Feet to sea level: Not Reported Note: Not Reported 1987-05-14 Level reading date: Feet below surface: 16.87 Feet to sea level: Not Reported Note: Not Reported Level reading date: 1986-10-24 Feet below surface: 17.22 Feet to sea level: Not Reported Not Reported Note: Level reading date: 1986-04-28 Feet below surface: 16.45 Feet to sea level: Not Reported Not Reported Level reading date: 1985-10-10 Feet below surface: 17.74 Feet to sea level: Not Reported Note: Not Reported Level reading date: 1985-04-26 Feet below surface: 17.26 Feet to sea level: Not Reported Note: Not Reported 1984-10-31 Feet below surface: Level reading date: 17.39 Feet to sea level: Not Reported Note: Not Reported 1984-04-19 Level reading date: Feet below surface: 16.97 Feet to sea level: Not Reported Note: Not Reported 1983-04-25 Feet below surface: 16.29 Level reading date: Feet to sea level: Not Reported Note: Not Reported Level reading date: 1982-09-23 Feet below surface: 17.84 Feet to sea level: Not Reported Note: Not Reported Level reading date: 1982-04-28 Feet below surface: 17.14 Feet to sea level: Note: Not Reported Not Reported Level reading date: 1981-09-18 Feet below surface: 18.88 Feet to sea level: Not Reported Note: Not Reported Feet below surface: Level reading date: 1981-04-21 18.27 Feet to sea level: Not Reported Note: Not Reported Level reading date: 1980-09-25 Feet below surface: 18.44 Feet to sea level: Not Reported Not Reported Note: Level reading date: 1980-04-11 Feet below surface: 18.46 Feet to sea level: Not Reported Note: Not Reported Level reading date: 1979-09-25 Feet below surface: 19.00 Feet to sea level: Not Reported Note: Not Reported Level reading date: 1979-04-18 Feet below surface: Feet to sea level: Not Reported Note: Not Reported 1978-09-27 Feet below surface: Level reading date: 19.15 Feet to sea level: Not Reported Note: Not Reported

1978-04-20

Not Reported

Level reading date:

Feet to sea level:

17.98

Not Reported

Feet below surface:

Note:

Level reading date:	1977-09-15	Feet below surface:	19.29
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-04-28	Feet below surface:	19.04
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-09-16	Feet below surface:	19.03
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-04-13	Feet below surface:	18.85
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-09-18	Feet below surface:	18.89
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-04-08	Feet below surface:	18.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-09-25	Feet below surface:	18.83
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-03-12	Feet below surface:	18.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-10-02	Feet below surface:	18.46
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-05-22	Feet below surface:	18.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-03-20	Feet below surface:	17.85
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-02-21	Feet below surface:	17.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-01-23	Feet below surface:	18.23
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-12-19	Feet below surface:	18.89
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-11-14	Feet below surface:	19.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-09-19	Feet below surface:	19.48
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-08-22	Feet below surface:	19.48
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-07-18	Feet below surface:	19.34
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-06-20	Feet below surface:	19.42
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-04-27	Feet below surface:	19.52
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-03-22	Feet below surface:	19.28
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date: 1972-02-23 Feet below surface: 19.27 Feet to sea level: Not Reported Note: Not Reported Level reading date: 1972-01-19 Feet below surface: 19.40 Feet to sea level: Not Reported Not Reported Note: Level reading date: 1971-12-21 Feet below surface: 19.43 Feet to sea level: Not Reported Note: Not Reported 1971-11-24 Level reading date: Feet below surface: 19.51 Not Reported Feet to sea level: Not Reported Note: Level reading date: 1971-10-28 Feet below surface: 19.57 Feet to sea level: Not Reported Not Reported Note: Level reading date: 1971-09-22 Feet below surface: 19.40 Feet to sea level: Not Reported Note: Not Reported Level reading date: 1971-08-27 Feet below surface: 19.23 Feet to sea level: Not Reported Note: Not Reported Level reading date: 1971-07-21 Feet below surface: 19.09 Feet to sea level: Not Reported Note: Not Reported Level reading date: 1971-06-21 Feet below surface: 18.91 Feet to sea level: Not Reported Note: Not Reported 1971-05-20 18.94 Level reading date: Feet below surface: Feet to sea level: Not Reported Note: Not Reported Level reading date: 1971-04-22 Feet below surface: 18.69 Feet to sea level: Not Reported Note: Not Reported Level reading date: 1971-03-25 Feet below surface: 18.71 Feet to sea level: Not Reported Note: Not Reported Level reading date: 1971-03-03 Feet below surface: 19.07 Feet to sea level: Not Reported Note: Not Reported Level reading date: 1971-01-25 Feet below surface: 18.52 Feet to sea level: Not Reported Note: Not Reported Level reading date: Feet below surface: 1970-12-23 18.63 Feet to sea level: Not Reported Note: Not Reported

E19 North 1/2 - 1 Mile Lower

CA WELLS CADWR9000038181

State Well #: 02N01E18D001M
Well Name: Not Reported
Well Use: Industrial
Well Depth: 100

Station ID: 2559
Basin Name: Pittsburg Plain
Well Type: Unknown
Well Completion Rpt #: Not Reported

Map ID Direction Distance

Elevation Database EDR ID Number

E20 North

CA WELLS CADWR0000012713

CAEDF0000113005

CA WELLS

1/2 - 1 Mile Lower

Well ID: 02N01E18D001M Well Type: UNK

Source: Department of Water Resources

Other Name: 02N01E18D001M GAMA PFAS Testing: Not Reported

Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_

date=&global_id=&assigned_name=02N01E18D001M&store_num=

GeoTracker Data: Not Reported

004

G21 ESE 1/2 - 1 Mile Higher

Well ID: T0601300152-MW-4 Well Type: MONITORING

Source: EDF Other Name: MW-4

GAMA PFAS Testing: Not Reported

Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_

date=&global_id=T0601300152&assigned_name=MW-4&store_num=

GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0601300152&assi

gned_name=MW-4

H22 ESE CA WELLS CAEDF0000071564

1/2 - 1 Mile Higher

 Well ID:
 T0601354875-MW-21
 Well Type:
 MONITORING

 Source:
 EDF
 Other Name:
 MW-21

GAMA PFAS Testing: Not Reported Other Name: MW-21

Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_

date=&global_id=T0601354875&assigned_name=MW-21&store_num=

GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0601354875&assi

gned_name=MW-21

G23
ESE CA WELLS CAEDF0000131942

1/2 - 1 Mile Higher

 Well ID:
 T0601300152-MW-6
 Well Type:
 MONITORING

 Source:
 EDF
 Other Name:
 MW-6

GAMA PFAS Testing: Not Reported

Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_

date=&global_id=T0601300152&assigned_name=MW-6&store_num=

GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0601300152&assi

gned_name=MW-6

Map ID Direction Distance

Elevation Database EDR ID Number

CA WELLS CAEDF0000127051

H24 ESE 1/2 - 1 Mile Higher

> Well ID: T0601354875-MW-22 Well Type: MONITORING Other Name: **EDF** MW-22 Source:

GAMA PFAS Testing: Not Reported

Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_

date=&global_id=T0601354875&assigned_name=MW-22&store_num=

GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0601354875&assi

gned_name=MW-22

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
		
94565	29	2

Federal EPA Radon Zone for CONTRA COSTA County: 2

Note: Zone 1 indoor average level > 4 pCi/L.

: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.

: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 94565

Number of sites tested: 4

Area Average Activity % <4 pCi/L % 4-20 pCi/L % >20 pCi/L Living Area - 1st Floor 1.375 pCi/L 100% 0% 0% Living Area - 2nd Floor Not Reported Not Reported Not Reported Not Reported Not Reported Not Reported Basement Not Reported Not Reported

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005, 2010 and 2015 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory Source: Department of Fish and Wildlife

Telephone: 916-445-0411

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

OTHER STATE DATABASE INFORMATION

Groundwater Ambient Monitoring & Assessment Program

State Water Resources Control Board

Telephone: 916-341-5577

The GAMA Program is Californias comprehensive groundwater quality monitoring program. GAMA collects data by testing the untreated, raw water in different types of wells for naturally-occurring and man-made chemicals. The GAMA data includes Domestic, Monitoring and Municipal well types from the following sources, Department of Water Resources, Department of Heath Services, EDF, Agricultural Lands, Lawrence Livermore National Laboratory, Department of Pesticide Regulation, United States Geological Survey, Groundwater Ambient Monitoring and Assessment Program and Local Groundwater Projects.

Water Well Database

Source: Department of Water Resources

Telephone: 916-651-9648

California Drinking Water Quality Database Source: Department of Public Health

Telephone: 916-324-2319

The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

California Oil and Gas Well Locations

Source: Dept of Conservation, Geologic Energy Management Division

Telephone: 916-323-1779

Oil and Gas well locations in the state.

California Earthquake Fault Lines

Source: California Division of Mines and Geology

The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

RADON

State Database: CA Radon

Source: Department of Public Health

Telephone: 916-210-8558 Radon Database for California

PHYSICAL SETTING SOURCE RECORDS SEARCHED

Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency

(USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at

private sources such as universities and research institutions.

EPA Radon Zones Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor

radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

STREET AND ADDRESS INFORMATION

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APPENDIX

HISTORICAL RECORDS

Delta View Golf Course 2232 Golf Club Rd PITTSBURG, CA 94565

Inquiry Number: 7217262.3

January 04, 2023

Certified Sanborn® Map Report



6 Armstrong Road, 4th floor Shelton, CT 06484 Toll Free: 800.352.0050 www.edrnet.com

Certified Sanborn® Map Report

01/04/23

Site Name: Client Name:

Delta View Golf Course WSP USA Inc.
2232 Golf Club Rd 2025 Gateway Place
PITTSBURG, CA 94565 San Jose, CA 95110
EDR Inquiry # 7217262.3 Contact: Xin Jiang



The Sanborn Library has been searched by EDR and maps covering the target property location as provided by WSP USA Inc. were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Certification # 9EA7-4847-BCE7 **PO #** 31405786.000

Project Pittsburg Data Center

UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.



Sanborn® Library search results

Certification #: 9EA7-4847-BCE7

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

✓ Library of Congress

University Publications of America

▼ EDR Private Collection

The Sanborn Library LLC Since 1866™

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Delta View Golf Course 2232 Golf Club Rd PITTSBURG, CA 94565

Inquiry Number: 7217262.4

January 04, 2023

EDR Historical Topo Map Report

with QuadMatch™



EDR Historical Topo Map Report

01/04/23

Site Name: Client Name:

Delta View Golf Course 2232 Golf Club Rd PITTSBURG, CA 94565 EDR Inquiry # 7217262.4

WSP USA Inc. 2025 Gateway Place San Jose, CA 95110 Contact: Xin Jiang



EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by WSP USA Inc. were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:		Coordinates:	Coordinates:	
P.O.#	31405786.000	Latitude:	38.01332 38° 0' 48" North	
Project:	Pittsburg Data Center	Longitude:	-121.909725 -121° 54' 35" West	
-	<u> </u>	UTM Zone:	Zone 10 North	
		UTM X Meters:	595707.32	
		UTM Y Meters:	4207853.73	
		Elevation:	83.83' above sea level	

Maps Provided:

2018 1918 2015 1908 2012 1907 1994, 1997 1980 1973 1968 1953

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Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2018 Source Sheets



Honker Bay 2018 7.5-minute, 24000



Clayton 2018 7.5-minute, 24000

2015 Source Sheets



Honker Bay 2015 7.5-minute, 24000



Clayton 2015 7.5-minute, 24000

2012 Source Sheets



Honker Bay 2012 7.5-minute, 24000



Clayton 2012 7.5-minute, 24000

1994, 1997 Source Sheets



Clayton 1994 7.5-minute, 24000 Aerial Photo Revised 1979



Honker Bay 1997 7.5-minute, 24000 Aerial Photo Revised 1997

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1980 Source Sheets



Honker Bay 1980 7.5-minute, 24000 Aerial Photo Revised 1979



Clayton 1980 7.5-minute, 24000 Aerial Photo Revised 1979

1973 Source Sheets



Honker Bay 1973 7.5-minute, 24000 Aerial Photo Revised 1973



Clayton 1973 7.5-minute, 24000 Aerial Photo Revised 1973

1968 Source Sheets



Honker Bay 1968 7.5-minute, 24000 Aerial Photo Revised 1968



Clayton 1968 7.5-minute, 24000 Aerial Photo Revised 1968

1953 Source Sheets



Honker Bay 1953 7.5-minute, 24000 Aerial Photo Revised 1949



Clayton 1953 7.5-minute, 24000 Aerial Photo Revised 1949

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1918 Source Sheets



Honker Bay 1918 7.5-minute, 31680

1908 Source Sheets

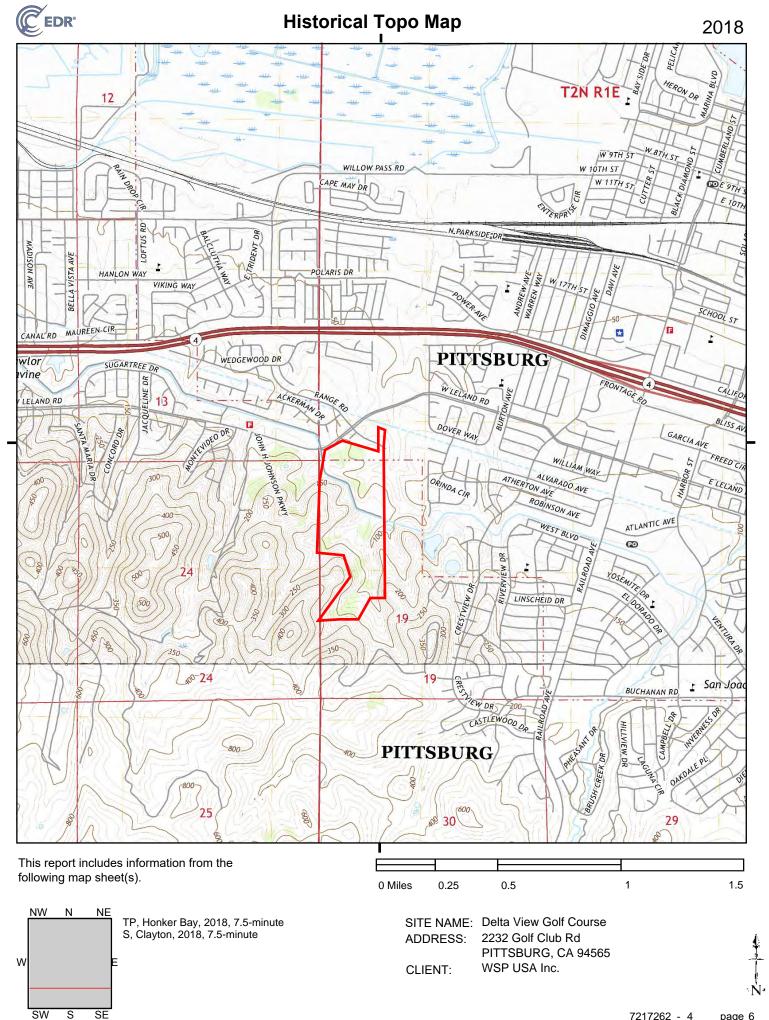


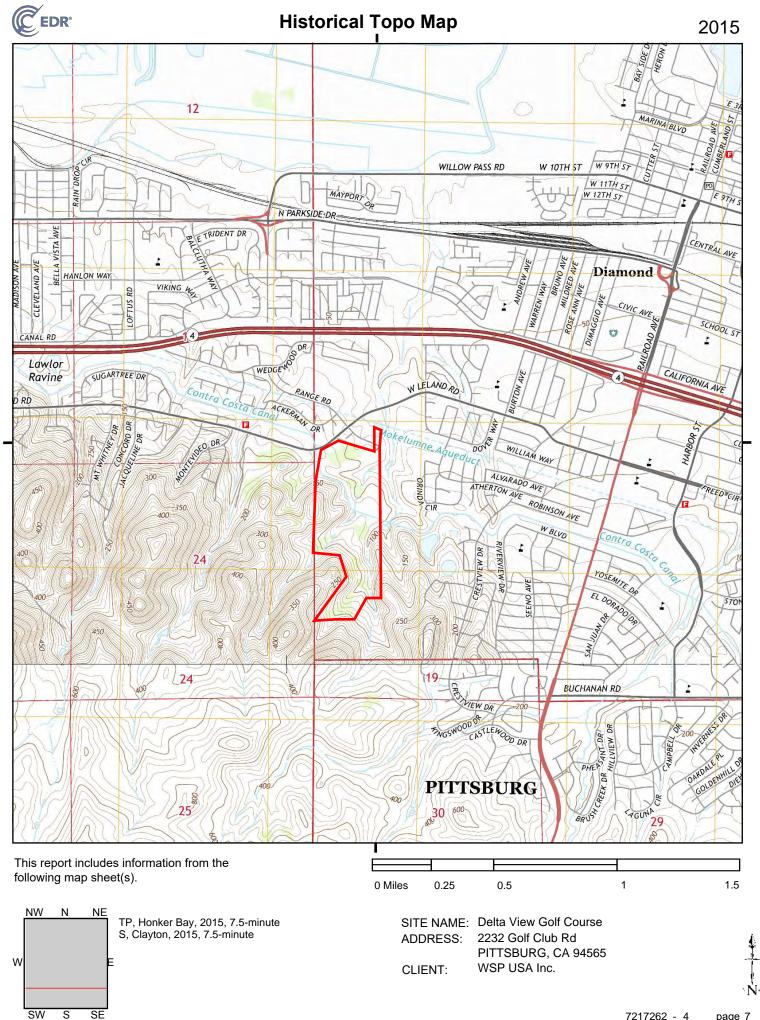
Antioch 1908 15-minute, 62500

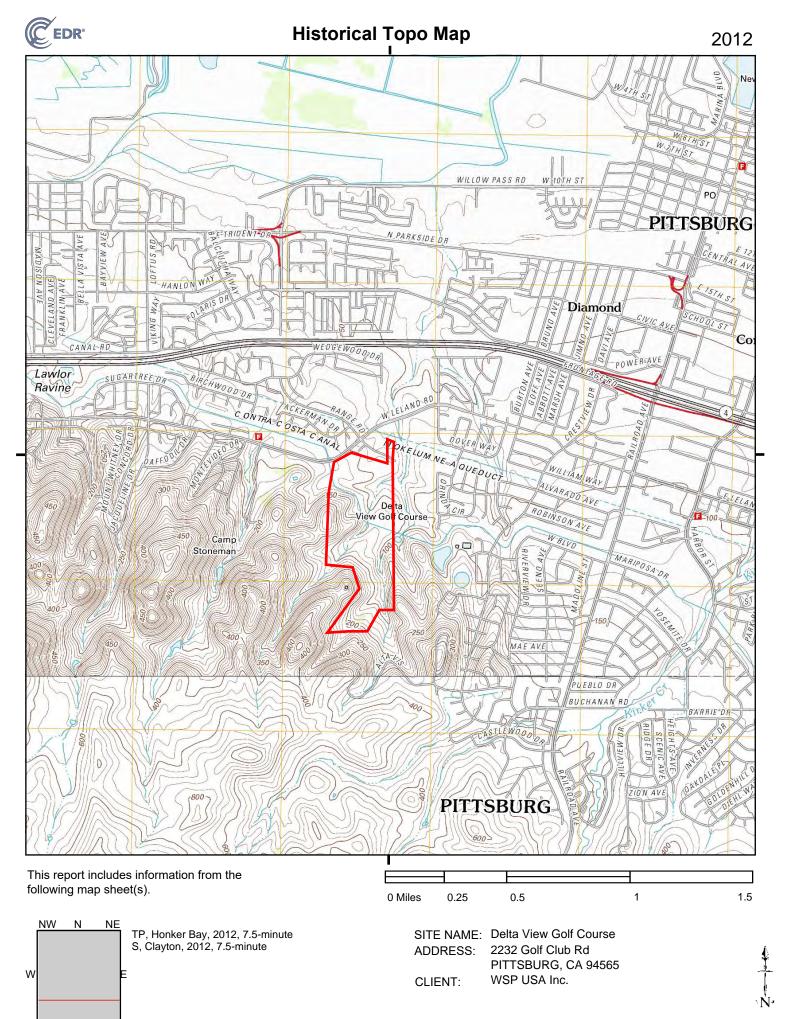
1907 Source Sheets



Antioch 1907 15-minute, 62500







SW

S

2232 Golf Club Rd

WSP USA Inc.

PITTSBURG, CA 94565

ADDRESS:

CLIENT:

SW

S

ADDRESS:

CLIENT:

SW

S

PITTSBURG, CA 94565

WSP USA Inc.

7217262 - 4 page 10

7217262 - 4 page 11

2232 Golf Club Rd

WSP USA Inc.

PITTSBURG, CA 94565

ADDRESS:

CLIENT:

SW

S

NW N NE
TP, Honker Bay, 1968, 7.5-minute
S, Clayton, 1968, 7.5-minute

This report includes information from the

following map sheet(s).

SW

S

0 Miles 0.25 0.5 1 1.5

SITE NAME: Delta View Golf Course
ADDRESS: 2232 Golf Club Rd
PITTSBURG, CA 94565

CLIENT: WSP USA Inc.



NW N NE
TP, Honker Bay, 1953, 7.5-minute
S, Clayton, 1953, 7.5-minute

SW

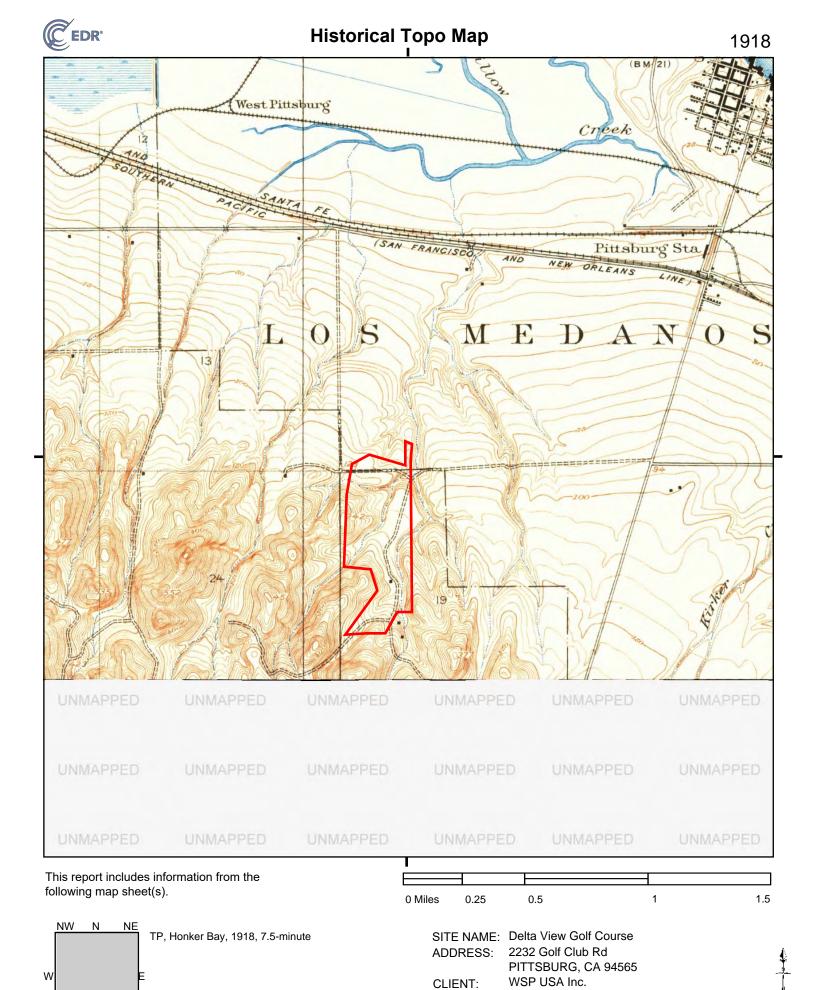
S

SITE NAME: Delta View Golf Course ADDRESS: 2232 Golf Club Rd

PITTSBURG, CA 94565

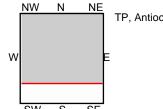
CLIENT: WSP USA Inc.





S

This report includes information from the following map sheet(s).



TP, Antioch, 1908, 15-minute

0.5 1.5 0 Miles 0.25

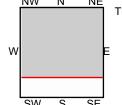
SITE NAME: Delta View Golf Course 2232 Golf Club Rd ADDRESS:

PITTSBURG, CA 94565

WSP USA Inc. CLIENT:



This report includes information from the following map sheet(s).



TP, Antioch, 1907, 15-minute

0 Miles 0.25 0.5 1 1.5

SITE NAME: Delta View Golf Course ADDRESS: 2232 Golf Club Rd

PITTSBURG, CA 94565

CLIENT: WSP USA Inc.



DELTA VIEW GOLF COURSE 2232 GOLF CLUB RD PITTSBURG, CA 94565

Inquiry Number: 7217262.7S

JANUARY 11, 2023

EDR Environmental Lien and AUL Search



The EDR Environmental Lien Search Report provides results from a search of available current land title records for environmental cleanup liens and other activity and use limitations, such as engineering controls and institutional controls.

A network of professional, trained researchers, following established procedures, uses client supplied address information to:

- search for parcel information and/or legal description;
- search for ownership information;
- research official land title documents recorded at jurisdictional agencies such as recorders' offices, registries of deeds, county clerks' offices, etc.;
- access a copy of the deed;
- search for environmental encumbering instrument(s) associated with the deed;
- provide a copy of any environmental encumbrance(s) based upon a review of key words in the instrument(s) (title, parties involved, and description); and
- provide a copy of the deed or cite documents reviewed.

Thank you for your business.

Please contact EDR at 1-800-352-0050 with any questions or comments.

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TARGET PROPERTY INFORMATION

ADDRESS

DELTA VIEW GOLF COURSE 2232 GOLF CLUB RD PITTSBURG, CA 94565

RESEARCH SOURCE

JUDICIAL RECORDS **NOT** SEARCHED. BASED ON AVAILABLE INFORMATION EVALUATED BY THE TITLE SEARCH PROFESSIONAL, THE JURISDICTION **DOES NOT** REQUIRE A SEARCH OF JUDICIAL RECORDS IN ORDER TO IDENTIFY ENVIRONMENTAL LIENS.

Source 1: CONTRA COSTA COUNTY RECORDER'S OFFICE

Source 2: CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY

Source 3: UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

PROPERTY INFORMATION

Legal Description:T193PM39 PCL A, 13.24 ACRESCurrent Owner:PITTSBURG LAND HOLDINGS, LLC

Property Identifiers: 095-150-032-1

Comments: NA

Deed 1

Type of Deed: QUIT CLAIM DEED

Title is vested in: PITTSBURG LAND HOLDINGS, LLC

Title received from: THE CITY OF PITTSBURG

 Date Executed:
 11/22/2022

 Date Recorded:
 11/23/2022

 Book:
 NA

Page: NA Volume: NA

Instrument#: 2022-0177215

Docket: NA

Land Record Comments: COVENANT RESTRICTING RESIDENTIAL USE LOCATED ON ATTACHED DEED

AUL FOUND ON DEED. SEE ATTACHED DEED COPY RECORDED ON 11/23/2022

Miscellaneous Comments: NA

Environmental Lien: Found Not Found X

Comments: NONE IDENTIFIED.

OTHER ACTIVITY AND USE LIMITATIONS (AULS)

Other AUL's: Found X Not Found

If Found:

1st Party: THE CITY OF PITTSBURG

2nd Party: PITTSBURG LAND HOLDINGS, LLC

 Dated:
 11/22/2022

 Recorded:
 11/23/2022

 Book:
 NA

Page: NA
Docket: NA
Volume: NA

Instrument #: 2022-0177215
Instrument Type: QUIT CLAIM DEED

COMMENTS: COVENANT RESTRICTING RESIDENTIAL USE LOCATED ON ATTACHED DEED

FOR ADDITIONAL AUL DETAILS SEE ATTACHED DEED COPY RECORDED 11/23/2022

Miscellaneous: NA

MISCELLANEOUS

Comments: NONE IDENTIFIED.

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Electronically Recorded
CONTRA COSTA Co Recorder Office
DEBORAH COOPER, Clerk-Recorder

DOC - 2022-0177215

Wednesday, Nov 23, 2022 12:02 Transfer Tax Amount: \$18457.45

19 - eRecording Partners Network LLC

Total Paid: \$18,517.45 Receipt #: 202200139160

209 / AGPC / 1-13 ⁽

RECORDING REQUESTED BY AND WHEN RECORDED MAIL TO:

Justus J. Britt Foley & Lardner LLP 555 S. Flower Street, Suite 3300 Los Angeles, CA 90071

SPACE ABOVE THIS LINE FOR RECORDER'S USE

APNs: 095-150-032; 094-080-011

095-160-001; 095-160-002; 094-090-001; 094-080-002

(The undersigned grantor declares that documentary transfer tax is \$18,457.45 computed on the consideration or value of property conveyed.)

QUITCLAIM DEED CONTAINING COVENANTS

For valuable consideration, the receipt and sufficiency of which is hereby acknowledged, THE CITY OF PITTSBURG, a municipal corporation ("Grantor"), hereby remises, releases and forever quitclaims to PITTSBURG LAND HOLDINGS, LLC, a Delaware limited liability company ("Grantee") all right, title and interest Grantor may have in and to the real property situated in the County of Contra Costa, State of California, as more particularly described in Exhibit A attached hereto, incorporated herein, and by this reference made a part hereof ("Property").

- 1. Grantee hereby agrees and covenants that the Property shall not thereafter be sold, transferred, or conveyed to, or used by, any party for residential purposes of any kind, whether single family, multi-family, mixed-use residential, or otherwise. The foregoing covenant and restriction shall run with the land to all successors and assigns.
- 2. No violation or breach of the covenants, conditions, restrictions, provisions or limitations contained in this Quitclaim Deed shall defeat or render invalid or in any way impair the lien or charge of any mortgage, deed of trust or other financing or security instrument, provided, however, that any successor of Grantee to the Property shall be bound by such remaining covenants, conditions, restrictions, limitations and provisions, whether such successor's title was acquired by foreclosure, deed in lieu of foreclosure, trustee's sale or otherwise.

see Exhibit B-Resolution

Signed in Counterpart

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3. Grantee's covenants contained in this Quitclaim Deed shall remain in effect for fifty (50) years from the date this Quitclaim Deed is recorded in the Official Records of Contra Costa County, California.

Not for Official Use: This copy has not been QUALITY ASSURED.

4. Grantor is deemed the beneficiary of the terms and provisions of this Quitclaim Deed and of the covenants running with the land, and the covenants running with the land have been provided, without regard to whether Grantor has been, remains or is an owner of any interest in the Property. Grantor shall have the right, if the covenants in this Quitclaim Deed are breached, to exercise all rights and remedies, and to maintain any actions or suits at law or in equity or other proper proceedings to enforce the curing of such breaches.

[remainder of page intentionally left blank]

lot for Official Use: This copy has not been QUALITY ASSURED.

IN WITNESS WHEREOF, Grantor, acting by and through its duly authorized representative, has executed and delivered this Quitclaim Deed as of the date hereinafter provided.

"GRANTOR"

Date: November 22, 2022	THE CITY OF PITTSBURG, a municipal corporation By: Name: Garrett Evans Title: City Manager
Approved as to form:	Attest:
Donna Mooney	Alice E. Evenson
City Attorney	City Clerk
	"GRANTEE"
Date:, 2022	PITTSBURG LAND HOLDINGS, LLC, a Delaware limited liability company
	Signed in Counterpart

Not for Utilicial Use: I his copy has not been QUALLIT ASSURED.

By:___ Name: Its: lot for Official Use : This copy has not been QUALITY ASSURED.

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

STATE OF CALIFORNIA				
) ss			
COUNTY OF CONTRA COSTA)			

Notary Public, personally appeared _______, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing is true and correct.

WITNESS my hand and official seal.

Signature

NOT TOF UTTICIAL USE : LINIS COPY NAS NOT BEEN QUALLE L'ASSURED.

(Seal)

CANDACE LEIGH HATCH
Notary Public - California
Contra Costa County
Commission # 2289323
My Comm. Expires May 20, 2023

IN WITNESS WHEREOF, Grantor, acting by and through its duly authorized representative, has executed and delivered this Quitelaim Deed as of the date hereinafter provided.

Not for Official Use: This copy has not been QUALITY ASSURED.

	"GRANTOR"
Date:, 2022	THE CITY OF PITTSBURG, a municipal corporation
	By: Signed in Counterpart
	Name:
	Title:
Approved as to form:	Attest:
	Signed In Counterpart
Donna Mooney	
City Attorney	City Clerk
	"GRANTEE"
Date: 11/21, 2022	PITTSBURG LAND HOLDINGS, LLC, a Delaware limited liability company
	By: MM
	Name: Kevin Murphy

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STATE OF CONNECTION) ss COUNTY OF FIRE OF		
On <u>Nov</u> 21, 2022, before Notary Public, personally appeared Kevin Murphy, who pevidence to be the person whose name is subscribed to the to me that he executed the same in his authorized cap instrument the person, or the entity upon behalf of instrument.	proved to me on the le he within instrument acity, and that by h	basis of satisfactory and acknowledged is signature on the
I certify under PENALTY OF PERJU		rs of the State of
WITNESS my hand and official seal. Signature	(Seal)	
	1	CHARD FAJARDO Notary Public Connecticut ion Expires Nov 30, 2026

1

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EXHIBIT "A" TO QUITCLAIM DEED

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LEGAL DESCRIPTION OF THE PROPERTY

Parcel 1:

Parcel A as shown on Parcel Map MS 677-05, filed June 10, 2005, in Book 193 of Parcel Maps, Page 39, Contra Costa County Records.

APN: 095-150-032

Parcel 2:

PARCEL ONE:

Beginning at the Southwest corner of the 13.92 acre parcel of land described and designated Parcel VI in the Deed from C.A. Hooper & Co. to Pacific Gas and Electric Company, dated December 27, 1951 and recorded in the Office of the County Recorder of said County of Contra Costa in Book 1872 of Official Records at Page 189, an running thence North 0° 10' East, along the Westerly boundary line of said 13.92 acre parcel of land; thence South 73° 11 1/2' East, along the Northerly boundary line of said 13.92 acre parcel of land, 182.03 feet; thence South 0° 19 1/2' West 718.40 feet to a point in the Southerly boundary line of said 13.92 acre parcel of land; thence South 89° 50' West, along the last mentioned boundary line, 172.41 feet, more or less, to the point of beginning; being a portion of Rancho Las Medanos.

PARCEL TWO:

A right of way for a road for ingress to and egress from Parcel One within the strip of land described as follows, to wit:

A strip of land of the uniform width of 60 feet extending from the Easterly boundary line of said 13.92 acre parcel of land Westerly to the Easterly boundary line of Parcel One hereinbefore described, and lying equally on each side of the line which begins at a point in the Easterly boundary line of said 13.92 acre parcel of land from which the Southeast corner of said 13.92 acre parcel of land bears South 0° 19 1/2' West 263.0 feet distant and runs thence South 89° 50' West, parallel with the Southerly boundary line of said 13.92 acre parcel of land, 800 feet, more or less, to the Easterly boundary line.

APN: 095-160-001

Parcel 3:

Lots 1, 2 and 3, and the Southeast 1/4 (one-fourth) of the Northwest 1/4 (one-fourth) of Section 19, Township 2 North, Range 1 Eat, Mount Diablo Base and Meridian.

EXCEPTING THEREFROM:

1. That parcel of land containing 11.42 acres, more or less, described in the Deed from John Fahy, et u, to United States of America, dated April 26, 1938 and recorded May 12, 1938 in Volume 448 of Official Records, at Page 388, as follows:

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"Beginning on the East line of the Northwest quarter of said Section 19, distant thereon North 0° 16' Eat 975.7 feet from Grant Corner Number 5 of the Rancho Los Medanos at the center of said Section 19; thence from said point of beginning South 0° 16' West 63.3 feet, along said East line; thence North 71° 11' West 1526.9 feet; thence on a curve to the right (tangent to the preceding course) with a radius of 180 feet, a distance of 169.2 feet; thence North 17° 19' West 462.4 feet; thence on a curve to the left (tangent to the preceding course) with a radius of 60 feet, a distance of 54.8 feet; thence North 69° 36' West 486.3 feet; thence South 89° 52' West 100.00 feet; thence more or less, to the Mount Meridian, which is the West line of the Northwest 1/4 of said Section 19; thence North 0° 08' West 365.8 feet, more or less, along said Meridian to Grant Corner Number 7 of the Rancho Los Medanos, which is the Northwest corner of said Section 19; thence North 89° 44' East 101.0 feet, along said line; thence South 0° 16' East 100.0 feet; thence South 25° 44' East 135.6 feet; thence South 52° 47' East 103.7 feet; thence South 69° 36' East 457.8 feet; thence South 17° 19' East 542.3 feet; thence South 49° 04' East 106.2 feet; thence South 71° 11' East 600.0 feet; thence South 78° 02' East 503.6 feet; thence South 66° 55' East 268.8 feet; more or less, to the East lien of said Northwest quarter of Section 19; thence South 0° 16' West 126.6 feet, more or less, along said line to the point of beginning.

ALSO EXCEPTING THEREFROM:

That portion thereof described in the Deed to Pacific Gas and Electric Company recorded September 19, 1952, Book 1994, Page 129.

ALSO EXCEPTING THEREFROM:

That portion thereof described in the Deed to the City of Pittsburg recorded December 8, 1960, Book 3759, Official Records, Page 1.

ALSO EXCEPTING THEREFROM:

That portion thereof lying Southerly of the Northeasterly boundary line of the Contra Costa Canal.

APN: 095-160-002

Parcel 4:

Parcel 2 of Parcel Map Waiver No. 22-08 recorded as Document 20220154772 of Contra Costa County Official Records, more specifically described as:

Real property situate in the City of Pittsburg, County of Contra Costa, State of California described as follows:

Being a portion of the parcel of land described in the Quitclaim Deed to the City of Pittsburg recorded in Liber 3759, Page 1 (3759 OR 1), a portion of the parcel of land described in the Grant Deeds to City of Pittsburg recorded in Book 593, Page 262 and in Book 1994, Page 122, all of Official Records of Contra Costa County and more particularly described as follows:

Beginning at most southeasterly corner of said City parcel (1994 or 122), thence along the southeasterly and southerly lines of last said parcel the following three (3) courses;

- 1) North 88°45'56" West 299.81 feet;
- 2) South 30°05'04" West 516.81 feet; and
- 3) North 88°45'56" West 839.89 feet;

thence across said City parcels the following five (5) courses:

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- 1) North 36°24'11" East 1355.52 feet;
- 2) North 29°23'26" West 440.78 feet;
- 3) North 81°37'36" West 614.39 feet;
- 4) North 80°27'20" West 40.13 feet; and
- 5) North 00°47'17" East 1585.73 feet;

to the generally northeasterly line of said City parcel (3759 OR 1), last said line also being the southwesterly line of the parcel of land described in the Grant Deed to the United States of America recorded in Book 448, Page 388, Official Records of Contra Costa County; thence along last said line, last said line also being said northeasterly line of said City parcel (3759 OR 1) and the northeasterly line of said City parcel (593 OR 262) the following six (6) courses:

- 1) South 89°12'43" East 99.94 feet;
- 2) South 68°40'43" East 486.30 feet;
- 3) along a tangent curve to the right having a radius of 60.00 feet, a central angle of 52°17'00" and an arc length of 54.75 feet;
- 4) South 16°23'43" East 462.40 feet;
- 5) along a tangent curve to the left having a radius of 180.00 feet, a central angle of 53°50'56" and an arc length of 169.17 feet; and
- 6) South 70°15'58" East 681.48 feet;

to the easterly line of said City parcel (593 OR 262); thence along last said line and the easterly of said City parcel (1994 OR 122) South 01°12'49" West 1725.07 feet to the Point of Beginning.

Containing a land area of 2,893,875 square feet (66.43 acres), more or less.

END OF DESCRIPTION

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Exhibit B

BEFORE THE CITY COUNCIL OF THE CITY OF PITTSBURG

In the Matter of:

Approving a Purchase and Sale Agreement)
between the City of Pittsburg and
Pittsburg Land Holdings LLC

RESOLUTION NO. 22-14126

WHEREAS, the City of Pittsburg ("City" or "Seller") is the owner of real property at or in the vicinity of the Delta View Golf Course in Pittsburg, California. The parcels total approximately 101.70 acres, and is comprised of land on the following Assessor's Parcel Numbers: 095-150-032, 094-080-011, 095-160-001, 095-160-002, 094-090-001, 094-080-002 (collectively, the "Property"); and

WHEREAS, on June 5, 2018, the City and Energy Delivery Solutions LLC ("EDS") entered into an Option Agreement to transfer and sell the Property to EDS; and

WHEREAS, pursuant to Section 1 of the Option Agreement, the City granted an exclusive option to EDS to purchase the Property, with a five-year term to exercise the option; and

WHEREAS, on October 8, 2019, the City and EDS amended the Option Agreement, to extend the period for exercising the option through June 4, 2028; and

WHEREAS, in early 2022, Pittsburg Land Holdings LLC, a subsidiary of AVAIO Digital Partners I LLC ("AVAIO" or "Buyer") acquired the assets of EDS, and the City executed a novation agreement allowing the assignment of the ENRA and Option Agreement to AVAIO; and

WHEREAS, pursuant to Section 54234(a)(1) of the Surplus Land Act, and the California Department of Housing and Community Development's (HCD) Surplus Land Act Guidelines, if a local agency, as of September 30, 2019, has entered into a legally binding agreement to dispose of property, and the disposition of the property is completed by December 31, 2022, the local agency is exempt from Articles II and III of the Surplus Land Act Guidelines; and

WHEREAS, the Property was subject to a legally binding agreement for its disposal prior to September 30, 2019, and the City desires to complete the disposition of the Property to EDS's successor in interest prior to December 31, 2022; and

WHEREAS, on February 7, 2022, the City Council adopted Resolution No. 22-14051, declaring the Property as Exempt Surplus Land Under California Government Code Section 54234(a)(1); and

WHEREAS, on March 9, 2022, HCD responded to the City concurring with the City Council's determination; and

N

NOTION OFFICIAL USE: THIS COPY HAS NOT BEEN QUALTITY ASSURED.

Not for Official Use: This copy has not been QUALITY ASSURED.

BEFORE THE CITY COUNCIL OF THE CITY OF PITTSBURG

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Approving a Purchase and Sale Agreement) RESOLUTION NO. 22-14126
between the City of Pittsburg and)
Pittsburg Land Holdings LLC	

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WHEREAS, on February 7, 2022, the City Council adopted Resolution No. 22-14051, declaring the Property as Exempt Surplus Land Under California Government Code Section 54234(a)(1); and

WHEREAS, on March 9, 2022, HCD responded to the City concurring with the City Council's determination; and

WHEREAS, in connection with this Purchase and Sale Agreement ("PSA"), Seller has agreed to provide seller carryback financing to Buyer, in the principal amount of Sixteen Million Seven Hundred Seventy-Nine Thousand Three Hundred Twenty-Seven Dollars and Forty-One Cents (\$16,779,327.41), under the terms and conditions set forth in a Secured Promissory Note ("Carryback Loan"). The Carryback Loan shall be evidenced by a Secured Promissory Note substantially in the form attached as Exhibit B to the PSA ("Note"). The Note shall be secured by a first position Deed of Trust, Assignment of Rents, Security Agreement and Fixture Filing with the City as beneficiary, substantially in the form attached as Exhibit C to the PSA ("Deed of Trust"), to be recorded in the Official Records of Contra Costa County, encumbering the Property described in the Deed of Trust, to secure the repayment of the Carryback Loan and the performance of the other obligations set forth in the Note and the Deed of Trust; and

WHEREAS, nothing in the proposed PSA, Note, or Deed of Trust constitutes a commitment by Seller to approve any land use entitlements, approvals or permits of any development or project that Buyer may propose for the Property, including, but not limited to the "Project" as defined in the Option Agreement. Any such development or project on the Property shall be subject to environmental review under the California Environmental Quality Act (Pubic Resources Code Section 21000, et seq.) ("CEQA"), requiring numerous discretionary approvals and agreements, and no development or project proposed for the Property shall be deemed approved until after (i) the proposed development or project is reviewed in accordance with the requirements of CEQA; (ii) any additional conditions to the development or project based on the CEQA review have been resolved in a manner reasonably acceptable to the parties to the PSA, and (iii) all required permits for the development or project have been obtained from the City and other governmental authorities with jurisdiction in accordance with applicable laws and regulations.

NOW THEREFORE BE IT RESOLVED that the City Council authorizes the City Manager to negotiate and execute a Purchase and Sale Agreement, Secured Promissory Note, and Deed of Trust between the City and AVAIO in substantial conformance with the documents presented to the City Council during a duly noticed public meeting on July 18, 2022.

BE IT FURTHER RESOLVED the City Manager is hereby authorized to negotiate and execute any and all documents and take such further actions as may be necessary or appropriate to carry out the City Council's direction pursuant to this Resolution.

BE IT FURTHER RESOLVED that this Resolution has been reviewed with respect to the applicability of the California Environmental Quality Act (Public Resources Code Section 21000 et seq.) ("CEQA"). The City Council has determined that the sale of this property does not entitle any development that would have the potential for creating a significant effect on the environment and is therefore exempt from further review under CEQA pursuant to State CEQA Guidelines Section 15060(c)(3) because it is not a project as defined by the CEQA Guidelines Section 15378. Adoption of the

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Resolution does not have the potential for resulting in either a direct physical change in the environment or a reasonably foreseeable indirect physical change in the environment. If and when a discretionary entitlement is sought, that future use and project will be analyzed at the appropriate time in accordance with CEQA.

PASSED AND ADOPTED by the City Council of the City of Pittsburg at a regular meeting on the 18th day of July 2022 by the following vote:

AYES:

Banales, Craft, Killings, Scales-Preston

NOES:

None

ABSTAINED:

None

ABSENT:

White

Holland Barrett White, Mayor

ATTEST:

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Alice E. Evenson, City Clerk

DELTA VIEW GOLF COURSE 2232 GOLF CLUB RD PITTSBURG, CA 94565

Inquiry Number: 7217262.7S

JANUARY 11, 2023

EDR Environmental Lien and AUL Search



The EDR Environmental Lien Search Report provides results from a search of available current land title records for environmental cleanup liens and other activity and use limitations, such as engineering controls and institutional controls.

A network of professional, trained researchers, following established procedures, uses client supplied address information to:

- search for parcel information and/or legal description;
- search for ownership information;
- research official land title documents recorded at jurisdictional agencies such as recorders' offices, registries of deeds, county clerks' offices, etc.;
- access a copy of the deed;
- search for environmental encumbering instrument(s) associated with the deed;
- provide a copy of any environmental encumbrance(s) based upon a review of key words in the instrument(s) (title, parties involved, and description); and
- provide a copy of the deed or cite documents reviewed.

Thank you for your business.

Please contact EDR at 1-800-352-0050 with any questions or comments.

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TARGET PROPERTY INFORMATION

ADDRESS

DELTA VIEW GOLF COURSE 2232 GOLF CLUB RD PITTSBURG, CA 94565

RESEARCH SOURCE

JUDICIAL RECORDS **NOT** SEARCHED. BASED ON AVAILABLE INFORMATION EVALUATED BY THE TITLE SEARCH PROFESSIONAL, THE JURISDICTION **DOES NOT** REQUIRE A SEARCH OF JUDICIAL RECORDS IN ORDER TO IDENTIFY ENVIRONMENTAL LIENS.

Source 1: CONTRA COSTA COUNTY RECORDER'S OFFICE

Source 2: CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY

Source 3: UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

PROPERTY INFORMATION

Legal Description:POR NW QR SEC 19 T2N R1E, 11.75 ACCurrent Owner:PITTSBURG LAND HOLDINGS, LLC

Property Identifiers: 094-080-011-3

Comments: NA

Deed 1

Type of Deed: QUIT CLAIM DEED

Title is vested in: PITTSBURG LAND HOLDINGS, LLC

Title received from: THE CITY OF PITTSBURG

Date Executed: 10/21/2022
Date Recorded: 11/23/2022
Book: NA
Page: NA

Page: NA Volume: NA

Instrument#: 2022-0177215

Docket: NA

Land Record Comments: COVENANT RESTRICTING RESIDENTIAL USE LOCATED ON ATTACHED DEED

AUL FOUND ON DEED. SEE ATTACHED DEED COPY RECORDED ON 11/23/2022

Miscellaneous Comments: NA

ENVIRONMENTAL I	LIEN
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Environmental Lien: Found Not Found X

Comments: NONE IDENTIFIED.

OTHER ACTIVITY AND USE LIMITATIONS (AULS)

Other AUL's: Found X Not Found

If Found:

1st Party: THE CITY OF PITTSBURG

2nd Party: PITTSBURG LAND HOLDINGS, LLC

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CONTRA COSTA Co Recorder Office
DEBORAH COOPER, Clerk-Recorder

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Wednesday, Nov 23, 2022 12:02 Transfer Tax Amount: \$18457.45

19 - eRecording Partners Network LLC

Total Paid: \$18,517.45 Receipt #: 202200139160

209 / AGPC / 1-13 ⁽

RECORDING REQUESTED BY AND WHEN RECORDED MAIL TO:

Justus J. Britt Foley & Lardner LLP 555 S. Flower Street, Suite 3300 Los Angeles, CA 90071

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APNs: 095-150-032; 094-080-011

095-160-001; 095-160-002; 094-090-001; 094-080-002

(The undersigned grantor declares that documentary transfer tax is \$18,457.45 computed on the consideration or value of property conveyed.)

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see Exhibit B-Resolution

Signed in Counterpart

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[remainder of page intentionally left blank]

lot for Official Use: This copy has not been QUALITY ASSURED.

IN WITNESS WHEREOF, Grantor, acting by and through its duly authorized representative, has executed and delivered this Quitclaim Deed as of the date hereinafter provided.

"GRANTOR"

Date: November 22, 2022	THE CITY OF PITTSBURG, a municipal corporation By: Name: Garrett Evans Title: City Manager
Approved as to form:	Attest:
Deren	alice & Guenson
Donna Mooney	Alice E. Evenson
City Attorney	City Clerk
	"GRANTEE"
Date:, 2022	PITTSBURG LAND HOLDINGS, LLC, a Delaware limited liability company

NOT TOF UTTICIAL USE: I NIS COPY NAS NOT DEEN QUALLIT ASSURED.

By:___ Name: Its: **Signed in Counterpart**

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A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

STATE OF CALIFORNIA)
) ss
COUNTY OF CONTRA COSTA)

Notary Public, personally appeared _______, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

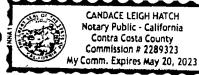
I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing is true and correct.

WITNESS my hand and official seal.

Signature

NOT TOF UTTICIAL USE : LINIS COPY NAS NOT BEEN QUALLE L'ASSURED.

(Seal)



IN	WITNE	ESS WHE	REOF	, Granto	r, a	cting	by :	and	throu	gh	its	duly	authorized
representativ	ve, has	executed	and c	ielivered	this	Quite	claim	Dee	ed as	of	the	date	hereinafter
provided.													

Not for Official Use: This copy has not been QUALITY ASSURED.

		"GRANTOR"
Date:	_, 2022	THE CITY OF PITTSBURG, a municipal corporation
		By: Signed in Counterpart
		Name:
		Title:
Approved as to form:		Attest:
		Signed In Counterpart
Donna Mooney		
City Attorney		City Clerk
		"GRANTEE"
Date: 11/21	_, 2022	PITTSBURG LAND HOLDINGS, LLC, a Delaware limited liability company
		By:
		Its: Vice President

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STATE OF CONNCLLAT) ss COUNTY OF FIRE OF		
On <u>Nov</u> 21, 2022, before Notary Public, personally appeared Kevin Murphy, who pevidence to be the person whose name is subscribed to the to me that he executed the same in his authorized cap instrument the person, or the entity upon behalf of instrument.	proved to me on the the within instrument acity, and that by h	basis of satisfactory and acknowledged is signature on the
I certify under PENALTY OF PERJU		rs of the State of
WITNESS my hand and official seal. Signature	(Seal)	
	1	CHARD FAJARDO Notary Public Connecticut ion Expires Nov 30, 2026

1

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EXHIBIT "A" TO QUITCLAIM DEED

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LEGAL DESCRIPTION OF THE PROPERTY

Parcel 1:

Parcel A as shown on Parcel Map MS 677-05, filed June 10, 2005, in Book 193 of Parcel Maps, Page 39, Contra Costa County Records.

APN: 095-150-032

Parcel 2:

PARCEL ONE:

Beginning at the Southwest corner of the 13.92 acre parcel of land described and designated Parcel VI in the Deed from C.A. Hooper & Co. to Pacific Gas and Electric Company, dated December 27, 1951 and recorded in the Office of the County Recorder of said County of Contra Costa in Book 1872 of Official Records at Page 189, an running thence North 0° 10' East, along the Westerly boundary line of said 13.92 acre parcel of land; thence South 73° 11 1/2' East, along the Northerly boundary line of said 13.92 acre parcel of land, 182.03 feet; thence South 0° 19 1/2' West 718.40 feet to a point in the Southerly boundary line of said 13.92 acre parcel of land; thence South 89° 50' West, along the last mentioned boundary line, 172.41 feet, more or less, to the point of beginning; being a portion of Rancho Las Medanos.

PARCEL TWO:

A right of way for a road for ingress to and egress from Parcel One within the strip of land described as follows, to wit:

A strip of land of the uniform width of 60 feet extending from the Easterly boundary line of said 13.92 acre parcel of land Westerly to the Easterly boundary line of Parcel One hereinbefore described, and lying equally on each side of the line which begins at a point in the Easterly boundary line of said 13.92 acre parcel of land from which the Southeast corner of said 13.92 acre parcel of land bears South 0° 19 1/2' West 263.0 feet distant and runs thence South 89° 50' West, parallel with the Southerly boundary line of said 13.92 acre parcel of land, 800 feet, more or less, to the Easterly boundary line.

APN: 095-160-001

Parcel 3:

Lots 1, 2 and 3, and the Southeast 1/4 (one-fourth) of the Northwest 1/4 (one-fourth) of Section 19, Township 2 North, Range 1 Eat, Mount Diablo Base and Meridian.

EXCEPTING THEREFROM:

1. That parcel of land containing 11.42 acres, more or less, described in the Deed from John Fahy, et u, to United States of America, dated April 26, 1938 and recorded May 12, 1938 in Volume 448 of Official Records, at Page 388, as follows:

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"Beginning on the East line of the Northwest quarter of said Section 19, distant thereon North 0° 16' Eat 975.7 feet from Grant Corner Number 5 of the Rancho Los Medanos at the center of said Section 19; thence from said point of beginning South 0° 16' West 63.3 feet, along said East line; thence North 71° 11' West 1526.9 feet; thence on a curve to the right (tangent to the preceding course) with a radius of 180 feet, a distance of 169.2 feet; thence North 17° 19' West 462.4 feet; thence on a curve to the left (tangent to the preceding course) with a radius of 60 feet, a distance of 54.8 feet; thence North 69° 36' West 486.3 feet; thence South 89° 52' West 100.00 feet; thence more or less, to the Mount Meridian, which is the West line of the Northwest 1/4 of said Section 19; thence North 0° 08' West 365.8 feet, more or less, along said Meridian to Grant Corner Number 7 of the Rancho Los Medanos, which is the Northwest corner of said Section 19; thence North 89° 44' East 101.0 feet, along said line; thence South 0° 16' East 100.0 feet; thence South 25° 44' East 135.6 feet; thence South 52° 47' East 103.7 feet; thence South 69° 36' East 457.8 feet; thence South 17° 19' East 542.3 feet; thence South 49° 04' East 106.2 feet; thence South 71° 11' East 600.0 feet; thence South 78° 02' East 503.6 feet; thence South 66° 55' East 268.8 feet; more or less, to the East lien of said Northwest quarter of Section 19; thence South 0° 16' West 126.6 feet, more or less, along said line to the point of beginning.

ALSO EXCEPTING THEREFROM:

That portion thereof described in the Deed to Pacific Gas and Electric Company recorded September 19, 1952, Book 1994, Page 129.

ALSO EXCEPTING THEREFROM:

That portion thereof described in the Deed to the City of Pittsburg recorded December 8, 1960, Book 3759, Official Records, Page 1.

ALSO EXCEPTING THEREFROM:

That portion thereof lying Southerly of the Northeasterly boundary line of the Contra Costa Canal.

APN: 095-160-002

Parcel 4:

Parcel 2 of Parcel Map Waiver No. 22-08 recorded as Document 20220154772 of Contra Costa County Official Records, more specifically described as:

Real property situate in the City of Pittsburg, County of Contra Costa, State of California described as follows:

Being a portion of the parcel of land described in the Quitclaim Deed to the City of Pittsburg recorded in Liber 3759, Page 1 (3759 OR 1), a portion of the parcel of land described in the Grant Deeds to City of Pittsburg recorded in Book 593, Page 262 and in Book 1994, Page 122, all of Official Records of Contra Costa County and more particularly described as follows:

Beginning at most southeasterly corner of said City parcel (1994 or 122), thence along the southeasterly and southerly lines of last said parcel the following three (3) courses;

- 1) North 88°45'56" West 299.81 feet;
- 2) South 30°05'04" West 516.81 feet; and
- 3) North 88°45'56" West 839.89 feet;

thence across said City parcels the following five (5) courses:

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- 1) North 36°24'11" East 1355.52 feet;
- 2) North 29°23'26" West 440.78 feet;
- 3) North 81°37'36" West 614.39 feet;
- 4) North 80°27'20" West 40.13 feet; and
- 5) North 00°47'17" East 1585.73 feet;

to the generally northeasterly line of said City parcel (3759 OR 1), last said line also being the southwesterly line of the parcel of land described in the Grant Deed to the United States of America recorded in Book 448, Page 388, Official Records of Contra Costa County; thence along last said line, last said line also being said northeasterly line of said City parcel (3759 OR 1) and the northeasterly line of said City parcel (593 OR 262) the following six (6) courses:

- 1) South 89°12'43" East 99.94 feet;
- 2) South 68°40'43" East 486.30 feet;
- 3) along a tangent curve to the right having a radius of 60.00 feet, a central angle of 52°17'00" and an arc length of 54.75 feet;
- 4) South 16°23'43" East 462.40 feet;
- 5) along a tangent curve to the left having a radius of 180.00 feet, a central angle of 53°50'56" and an arc length of 169.17 feet; and
- 6) South 70°15'58" East 681.48 feet;

to the easterly line of said City parcel (593 OR 262); thence along last said line and the easterly of said City parcel (1994 OR 122) South 01°12'49" West 1725.07 feet to the Point of Beginning.

Containing a land area of 2,893,875 square feet (66.43 acres), more or less.

END OF DESCRIPTION

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Exhibit B

BEFORE THE CITY COUNCIL OF THE CITY OF PITTSBURG

In the Matter of:

Approving a Purchase and Sale Agreement)					
between the City of Pittsburg and					
Pittsburg Land Holdings LLC					

RESOLUTION NO. 22-14126

WHEREAS, the City of Pittsburg ("City" or "Seller") is the owner of real property at or in the vicinity of the Delta View Golf Course in Pittsburg, California. The parcels total approximately 101.70 acres, and is comprised of land on the following Assessor's Parcel Numbers: 095-150-032, 094-080-011, 095-160-001, 095-160-002, 094-090-001, 094-080-002 (collectively, the "Property"); and

WHEREAS, on June 5, 2018, the City and Energy Delivery Solutions LLC ("EDS") entered into an Option Agreement to transfer and sell the Property to EDS; and

WHEREAS, pursuant to Section 1 of the Option Agreement, the City granted an exclusive option to EDS to purchase the Property, with a five-year term to exercise the option; and

WHEREAS, on October 8, 2019, the City and EDS amended the Option Agreement, to extend the period for exercising the option through June 4, 2028; and

WHEREAS, in early 2022, Pittsburg Land Holdings LLC, a subsidiary of AVAIO Digital Partners I LLC ("AVAIO" or "Buyer") acquired the assets of EDS, and the City executed a novation agreement allowing the assignment of the ENRA and Option Agreement to AVAIO; and

WHEREAS, pursuant to Section 54234(a)(1) of the Surplus Land Act, and the California Department of Housing and Community Development's (HCD) Surplus Land Act Guidelines, if a local agency, as of September 30, 2019, has entered into a legally binding agreement to dispose of property, and the disposition of the property is completed by December 31, 2022, the local agency is exempt from Articles II and III of the Surplus Land Act Guidelines; and

WHEREAS, the Property was subject to a legally binding agreement for its disposal prior to September 30, 2019, and the City desires to complete the disposition of the Property to EDS's successor in interest prior to December 31, 2022; and

WHEREAS, on February 7, 2022, the City Council adopted Resolution No. 22-14051, declaring the Property as Exempt Surplus Land Under California Government Code Section 54234(a)(1); and

WHEREAS, on March 9, 2022, HCD responded to the City concurring with the City Council's determination; and

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BEFORE THE CITY COUNCIL OF THE CITY OF PITTSBURG

In the Matter of:

Approving a Purchase and Sale Agreement) RESOLUTION NO. 22-14126
between the City of Pittsburg and)
Pittsburg Land Holdings LLC	

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WHEREAS, on February 7, 2022, the City Council adopted Resolution No. 22-14051, declaring the Property as Exempt Surplus Land Under California Government Code Section 54234(a)(1); and

WHEREAS, on March 9, 2022, HCD responded to the City concurring with the City Council's determination; and

WHEREAS, in connection with this Purchase and Sale Agreement ("PSA"), Seller has agreed to provide seller carryback financing to Buyer, in the principal amount of Sixteen Million Seven Hundred Seventy-Nine Thousand Three Hundred Twenty-Seven Dollars and Forty-One Cents (\$16,779,327.41), under the terms and conditions set forth in a Secured Promissory Note ("Carryback Loan"). The Carryback Loan shall be evidenced by a Secured Promissory Note substantially in the form attached as Exhibit B to the PSA ("Note"). The Note shall be secured by a first position Deed of Trust, Assignment of Rents, Security Agreement and Fixture Filing with the City as beneficiary, substantially in the form attached as Exhibit C to the PSA ("Deed of Trust"), to be recorded in the Official Records of Contra Costa County, encumbering the Property described in the Deed of Trust, to secure the repayment of the Carryback Loan and the performance of the other obligations set forth in the Note and the Deed of Trust; and

WHEREAS, nothing in the proposed PSA, Note, or Deed of Trust constitutes a commitment by Seller to approve any land use entitlements, approvals or permits of any development or project that Buyer may propose for the Property, including, but not limited to the "Project" as defined in the Option Agreement. Any such development or project on the Property shall be subject to environmental review under the California Environmental Quality Act (Pubic Resources Code Section 21000, et seq.) ("CEQA"), requiring numerous discretionary approvals and agreements, and no development or project proposed for the Property shall be deemed approved until after (i) the proposed development or project is reviewed in accordance with the requirements of CEQA; (ii) any additional conditions to the development or project based on the CEQA review have been resolved in a manner reasonably acceptable to the parties to the PSA, and (iii) all required permits for the development or project have been obtained from the City and other governmental authorities with jurisdiction in accordance with applicable laws and regulations.

NOW THEREFORE BE IT RESOLVED that the City Council authorizes the City Manager to negotiate and execute a Purchase and Sale Agreement, Secured Promissory Note, and Deed of Trust between the City and AVAIO in substantial conformance with the documents presented to the City Council during a duly noticed public meeting on July 18, 2022.

BE IT FURTHER RESOLVED the City Manager is hereby authorized to negotiate and execute any and all documents and take such further actions as may be necessary or appropriate to carry out the City Council's direction pursuant to this Resolution.

BE IT FURTHER RESOLVED that this Resolution has been reviewed with respect to the applicability of the California Environmental Quality Act (Public Resources Code Section 21000 et seq.) ("CEQA"). The City Council has determined that the sale of this property does not entitle any development that would have the potential for creating a significant effect on the environment and is therefore exempt from further review under CEQA pursuant to State CEQA Guidelines Section 15060(c)(3) because it is not a project as defined by the CEQA Guidelines Section 15378. Adoption of the

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Resolution does not have the potential for resulting in either a direct physical change in the environment or a reasonably foreseeable indirect physical change in the environment. If and when a discretionary entitlement is sought, that future use and project will be analyzed at the appropriate time in accordance with CEQA.

PASSED AND ADOPTED by the City Council of the City of Pittsburg at a regular meeting on the 18th day of July 2022 by the following vote:

AYES:

Banales, Craft, Killings, Scales-Preston

NOES:

None

ABSTAINED:

None

ABSENT:

White

Holland Barrett White, Mayor

ATTEST:

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Alice E. Evenson, City Clerk

DELTA VIEW GOLF COURSE 2232 GOLF CLUB RD PITTSBURG, CA 94565

Inquiry Number: 7217262.7S

JANUARY 11, 2023

EDR Environmental Lien and AUL Search



The EDR Environmental Lien Search Report provides results from a search of available current land title records for environmental cleanup liens and other activity and use limitations, such as engineering controls and institutional controls.

A network of professional, trained researchers, following established procedures, uses client supplied address information to:

- search for parcel information and/or legal description;
- search for ownership information;
- research official land title documents recorded at jurisdictional agencies such as recorders' offices, registries of deeds, county clerks' offices, etc.;
- access a copy of the deed;
- search for environmental encumbering instrument(s) associated with the deed;
- provide a copy of any environmental encumbrance(s) based upon a review of key words in the instrument(s) (title, parties involved, and description); and
- provide a copy of the deed or cite documents reviewed.

Thank you for your business.

Please contact EDR at 1-800-352-0050 with any questions or comments.

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TARGET PROPERTY INFORMATION

ADDRESS

DELTA VIEW GOLF COURSE 2232 GOLF CLUB RD PITTSBURG, CA 94565

RESEARCH SOURCE

JUDICIAL RECORDS **NOT** SEARCHED. BASED ON AVAILABLE INFORMATION EVALUATED BY THE TITLE SEARCH PROFESSIONAL, THE JURISDICTION **DOES NOT** REQUIRE A SEARCH OF JUDICIAL RECORDS IN ORDER TO IDENTIFY ENVIRONMENTAL LIENS.

Source 1: CONTRA COSTA COUNTY RECORDER'S OFFICE

Source 2: CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY

Source 3: UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

PROPERTY INFORMATION

Legal Description:POR RO LOS MEDANOS, 2.970 ACCurrent Owner:PITTSBURG LAND HOLDINGS, LLC

Property Identifiers: 095-160-001-4

Comments: NA

Deed 1

Type of Deed: QUIT CLAIM DEED

Title is vested in: PITTSBURG LAND HOLDINGS, LLC

Title received from: THE CITY OF PITTSBURG

 Date Executed:
 11/21/2022

 Date Recorded:
 11/23/2022

 Book:
 NA

Page: NA
Volume: NA

Instrument#: 2022-0177215

Docket: NA

Land Record Comments: COVENANT RESTRICTING RESIDENTIAL USE LOCATED ON ATTACHED DEED

AUL FOUND ON DEED. SEE ATTACHED DEED COPY RECORDED ON 11/23/2022

Miscellaneous Comments: NA

Environmental Lien: Found Not Found X

Comments: NONE IDENTIFIED.

OTHER ACTIVITY AND USE LIMITATIONS (AULS)

Other AUL's: Found X Not Found

If Found:

1st Party: THE CITY OF PITTSBURG

2nd Party: PITTSBURG LAND HOLDINGS, LLC

 Dated:
 11/21/2022

 Recorded:
 11/23/2022

 Book:
 NA

Page: NA
Docket: NA
Volume: NA

Instrument #: 2022-0177215
Instrument Type: QUIT CLAIM DEED

COMMENTS: COVENANT RESTRICTING RESIDENTIAL USE LOCATED ON ATTACHED DEED

FOR ADDITIONAL AUL DETAILS SEE ATTACHED DEED COPY RECORDED 11/23/2022

Miscellaneous: NA

MISCELLANEOUS

Comments: NONE IDENTIFIED.

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Electronically Recorded
CONTRA COSTA Co Recorder Office
DEBORAH COOPER, Clerk-Recorder

DOC - 2022-0177215

Wednesday, Nov 23, 2022 12:02 Transfer Tax Amount: \$18457.45

19 - eRecording Partners Network LLC

Total Paid: \$18,517.45 Receipt #: 202200139160

209 / AGPC / 1-13 ⁽

RECORDING REQUESTED BY AND WHEN RECORDED MAIL TO:

Justus J. Britt Foley & Lardner LLP 555 S. Flower Street, Suite 3300 Los Angeles, CA 90071

SPACE ABOVE THIS LINE FOR RECORDER'S USE

APNs: 095-150-032; 094-080-011

095-160-001; 095-160-002; 094-090-001; 094-080-002

(The undersigned grantor declares that documentary transfer tax is \$18,457.45 computed on the consideration or value of property conveyed.)

QUITCLAIM DEED CONTAINING COVENANTS

For valuable consideration, the receipt and sufficiency of which is hereby acknowledged, THE CITY OF PITTSBURG, a municipal corporation ("Grantor"), hereby remises, releases and forever quitclaims to PITTSBURG LAND HOLDINGS, LLC, a Delaware limited liability company ("Grantee") all right, title and interest Grantor may have in and to the real property situated in the County of Contra Costa, State of California, as more particularly described in Exhibit A attached hereto, incorporated herein, and by this reference made a part hereof ("Property").

- 1. Grantee hereby agrees and covenants that the Property shall not thereafter be sold, transferred, or conveyed to, or used by, any party for residential purposes of any kind, whether single family, multi-family, mixed-use residential, or otherwise. The foregoing covenant and restriction shall run with the land to all successors and assigns.
- 2. No violation or breach of the covenants, conditions, restrictions, provisions or limitations contained in this Quitclaim Deed shall defeat or render invalid or in any way impair the lien or charge of any mortgage, deed of trust or other financing or security instrument, provided, however, that any successor of Grantee to the Property shall be bound by such remaining covenants, conditions, restrictions, limitations and provisions, whether such successor's title was acquired by foreclosure, deed in lieu of foreclosure, trustee's sale or otherwise.

see Exhibit B-Resolution

Signed in Counterpart

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3. Grantee's covenants contained in this Quitclaim Deed shall remain in effect for fifty (50) years from the date this Quitclaim Deed is recorded in the Official Records of Contra Costa County, California.

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4. Grantor is deemed the beneficiary of the terms and provisions of this Quitclaim Deed and of the covenants running with the land, and the covenants running with the land have been provided, without regard to whether Grantor has been, remains or is an owner of any interest in the Property. Grantor shall have the right, if the covenants in this Quitclaim Deed are breached, to exercise all rights and remedies, and to maintain any actions or suits at law or in equity or other proper proceedings to enforce the curing of such breaches.

[remainder of page intentionally left blank]

lot for Official Use: This copy has not been QUALITY ASSURED.

IN WITNESS WHEREOF, Grantor, acting by and through its duly authorized representative, has executed and delivered this Quitclaim Deed as of the date hereinafter provided.

"GRANTOR"

Date: November 22, 2022	THE CITY OF PITTSBURG, a municipal corporation By: Name: Garrett Evans Title: City Manager
Approved as to form:	Attest:
Donna Mooney	Alice E. Evenson
City Attorney	City Clerk
	"GRANTEE"
Date:, 2022	PITTSBURG LAND HOLDINGS, LLC, a Delaware limited liability company
	Signed in Counterpart

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By:___ Name: Its: lot for Official Use : This copy has not been QUALITY ASSURED.

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

STATE OF CALIFORNIA				
) ss			
COUNTY OF CONTRA COSTA)			

Notary Public, personally appeared _______, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing is true and correct.

WITNESS my hand and official seal.

Signature

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(Seal)

CANDACE LEIGH HATCH
Notary Public - California
Contra Costa County
Commission # 2289323
My Comm. Expires May 20, 2023

IN WITNESS WHEREOF, Grantor, acting by and through its duly authorized representative, has executed and delivered this Quitelaim Deed as of the date hereinafter provided.

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	"GRANTOR"
Date:, 2022	THE CITY OF PITTSBURG, a municipal corporation
	By: Signed in Counterpart
	Name:
	Title:
Approved as to form:	Attest:
	Signed In Counterpart
Donna Mooney	
City Attorney	City Clerk
	"GRANTEE"
Date: 11/21, 2022	PITTSBURG LAND HOLDINGS, LLC, a Delaware limited liability company
	By: MM
	Name: Kevin Murphy

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STATE OF CONNECTION) ss COUNTY OF FIRE OF		
On <u>Nov</u> 21, 2022, before Notary Public, personally appeared Kevin Murphy, who pevidence to be the person whose name is subscribed to the to me that he executed the same in his authorized cap instrument the person, or the entity upon behalf of instrument.	proved to me on the le he within instrument acity, and that by h	basis of satisfactory and acknowledged is signature on the
I certify under PENALTY OF PERJU		rs of the State of
WITNESS my hand and official seal. Signature	(Seal)	
	1	CHARD FAJARDO Notary Public Connecticut ion Expires Nov 30, 2026

1

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EXHIBIT "A" TO QUITCLAIM DEED

ot for Official Use: This copy has not been QUALITY ASSURED.

LEGAL DESCRIPTION OF THE PROPERTY

Parcel 1:

Parcel A as shown on Parcel Map MS 677-05, filed June 10, 2005, in Book 193 of Parcel Maps, Page 39, Contra Costa County Records.

APN: 095-150-032

Parcel 2:

PARCEL ONE:

Beginning at the Southwest corner of the 13.92 acre parcel of land described and designated Parcel VI in the Deed from C.A. Hooper & Co. to Pacific Gas and Electric Company, dated December 27, 1951 and recorded in the Office of the County Recorder of said County of Contra Costa in Book 1872 of Official Records at Page 189, an running thence North 0° 10' East, along the Westerly boundary line of said 13.92 acre parcel of land; thence South 73° 11 1/2' East, along the Northerly boundary line of said 13.92 acre parcel of land, 182.03 feet; thence South 0° 19 1/2' West 718.40 feet to a point in the Southerly boundary line of said 13.92 acre parcel of land; thence South 89° 50' West, along the last mentioned boundary line, 172.41 feet, more or less, to the point of beginning; being a portion of Rancho Las Medanos.

PARCEL TWO:

A right of way for a road for ingress to and egress from Parcel One within the strip of land described as follows, to wit:

A strip of land of the uniform width of 60 feet extending from the Easterly boundary line of said 13.92 acre parcel of land Westerly to the Easterly boundary line of Parcel One hereinbefore described, and lying equally on each side of the line which begins at a point in the Easterly boundary line of said 13.92 acre parcel of land from which the Southeast corner of said 13.92 acre parcel of land bears South 0° 19 1/2' West 263.0 feet distant and runs thence South 89° 50' West, parallel with the Southerly boundary line of said 13.92 acre parcel of land, 800 feet, more or less, to the Easterly boundary line.

APN: 095-160-001

Parcel 3:

Lots 1, 2 and 3, and the Southeast 1/4 (one-fourth) of the Northwest 1/4 (one-fourth) of Section 19, Township 2 North, Range 1 Eat, Mount Diablo Base and Meridian.

EXCEPTING THEREFROM:

1. That parcel of land containing 11.42 acres, more or less, described in the Deed from John Fahy, et u, to United States of America, dated April 26, 1938 and recorded May 12, 1938 in Volume 448 of Official Records, at Page 388, as follows:

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"Beginning on the East line of the Northwest quarter of said Section 19, distant thereon North 0° 16' Eat 975.7 feet from Grant Corner Number 5 of the Rancho Los Medanos at the center of said Section 19; thence from said point of beginning South 0° 16' West 63.3 feet, along said East line; thence North 71° 11' West 1526.9 feet; thence on a curve to the right (tangent to the preceding course) with a radius of 180 feet, a distance of 169.2 feet; thence North 17° 19' West 462.4 feet; thence on a curve to the left (tangent to the preceding course) with a radius of 60 feet, a distance of 54.8 feet; thence North 69° 36' West 486.3 feet; thence South 89° 52' West 100.00 feet; thence more or less, to the Mount Meridian, which is the West line of the Northwest 1/4 of said Section 19; thence North 0° 08' West 365.8 feet, more or less, along said Meridian to Grant Corner Number 7 of the Rancho Los Medanos, which is the Northwest corner of said Section 19; thence North 89° 44' East 101.0 feet, along said line; thence South 0° 16' East 100.0 feet; thence South 25° 44' East 135.6 feet; thence South 52° 47' East 103.7 feet; thence South 69° 36' East 457.8 feet; thence South 17° 19' East 542.3 feet; thence South 49° 04' East 106.2 feet; thence South 71° 11' East 600.0 feet; thence South 78° 02' East 503.6 feet; thence South 66° 55' East 268.8 feet; more or less, to the East lien of said Northwest quarter of Section 19; thence South 0° 16' West 126.6 feet, more or less, along said line to the point of beginning.

ALSO EXCEPTING THEREFROM:

That portion thereof described in the Deed to Pacific Gas and Electric Company recorded September 19, 1952, Book 1994, Page 129.

ALSO EXCEPTING THEREFROM:

That portion thereof described in the Deed to the City of Pittsburg recorded December 8, 1960, Book 3759, Official Records, Page 1.

ALSO EXCEPTING THEREFROM:

That portion thereof lying Southerly of the Northeasterly boundary line of the Contra Costa Canal.

APN: 095-160-002

Parcel 4:

Parcel 2 of Parcel Map Waiver No. 22-08 recorded as Document 20220154772 of Contra Costa County Official Records, more specifically described as:

Real property situate in the City of Pittsburg, County of Contra Costa, State of California described as follows:

Being a portion of the parcel of land described in the Quitclaim Deed to the City of Pittsburg recorded in Liber 3759, Page 1 (3759 OR 1), a portion of the parcel of land described in the Grant Deeds to City of Pittsburg recorded in Book 593, Page 262 and in Book 1994, Page 122, all of Official Records of Contra Costa County and more particularly described as follows:

Beginning at most southeasterly corner of said City parcel (1994 or 122), thence along the southeasterly and southerly lines of last said parcel the following three (3) courses;

- 1) North 88°45'56" West 299.81 feet;
- 2) South 30°05'04" West 516.81 feet; and
- 3) North 88°45'56" West 839.89 feet;

thence across said City parcels the following five (5) courses:

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- 1) North 36°24'11" East 1355.52 feet;
- 2) North 29°23'26" West 440.78 feet;
- 3) North 81°37'36" West 614.39 feet;
- 4) North 80°27'20" West 40.13 feet; and
- 5) North 00°47'17" East 1585.73 feet;

to the generally northeasterly line of said City parcel (3759 OR 1), last said line also being the southwesterly line of the parcel of land described in the Grant Deed to the United States of America recorded in Book 448, Page 388, Official Records of Contra Costa County; thence along last said line, last said line also being said northeasterly line of said City parcel (3759 OR 1) and the northeasterly line of said City parcel (593 OR 262) the following six (6) courses:

- 1) South 89°12'43" East 99.94 feet;
- 2) South 68°40'43" East 486.30 feet;
- 3) along a tangent curve to the right having a radius of 60.00 feet, a central angle of 52°17'00" and an arc length of 54.75 feet;
- 4) South 16°23'43" East 462.40 feet;
- 5) along a tangent curve to the left having a radius of 180.00 feet, a central angle of 53°50'56" and an arc length of 169.17 feet; and
- 6) South 70°15'58" East 681.48 feet;

to the easterly line of said City parcel (593 OR 262); thence along last said line and the easterly of said City parcel (1994 OR 122) South 01°12'49" West 1725.07 feet to the Point of Beginning.

Containing a land area of 2,893,875 square feet (66.43 acres), more or less.

END OF DESCRIPTION

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Exhibit B

BEFORE THE CITY COUNCIL OF THE CITY OF PITTSBURG

In the Matter of:

Approving a Purchase and Sale Agreement)
between the City of Pittsburg and
Pittsburg Land Holdings LLC

RESOLUTION NO. 22-14126

WHEREAS, the City of Pittsburg ("City" or "Seller") is the owner of real property at or in the vicinity of the Delta View Golf Course in Pittsburg, California. The parcels total approximately 101.70 acres, and is comprised of land on the following Assessor's Parcel Numbers: 095-150-032, 094-080-011, 095-160-001, 095-160-002, 094-090-001, 094-080-002 (collectively, the "Property"); and

WHEREAS, on June 5, 2018, the City and Energy Delivery Solutions LLC ("EDS") entered into an Option Agreement to transfer and sell the Property to EDS; and

WHEREAS, pursuant to Section 1 of the Option Agreement, the City granted an exclusive option to EDS to purchase the Property, with a five-year term to exercise the option; and

WHEREAS, on October 8, 2019, the City and EDS amended the Option Agreement, to extend the period for exercising the option through June 4, 2028; and

WHEREAS, in early 2022, Pittsburg Land Holdings LLC, a subsidiary of AVAIO Digital Partners I LLC ("AVAIO" or "Buyer") acquired the assets of EDS, and the City executed a novation agreement allowing the assignment of the ENRA and Option Agreement to AVAIO; and

WHEREAS, pursuant to Section 54234(a)(1) of the Surplus Land Act, and the California Department of Housing and Community Development's (HCD) Surplus Land Act Guidelines, if a local agency, as of September 30, 2019, has entered into a legally binding agreement to dispose of property, and the disposition of the property is completed by December 31, 2022, the local agency is exempt from Articles II and III of the Surplus Land Act Guidelines; and

WHEREAS, the Property was subject to a legally binding agreement for its disposal prior to September 30, 2019, and the City desires to complete the disposition of the Property to EDS's successor in interest prior to December 31, 2022; and

WHEREAS, on February 7, 2022, the City Council adopted Resolution No. 22-14051, declaring the Property as Exempt Surplus Land Under California Government Code Section 54234(a)(1); and

WHEREAS, on March 9, 2022, HCD responded to the City concurring with the City Council's determination; and

N

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Not for Official Use: This copy has not been QUALITY ASSURED.

BEFORE THE CITY COUNCIL OF THE CITY OF PITTSBURG

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Approving a Purchase and Sale Agreement) RESOLUTION NO. 22-14126
between the City of Pittsburg and)
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WHEREAS, on March 9, 2022, HCD responded to the City concurring with the City Council's determination; and

WHEREAS, in connection with this Purchase and Sale Agreement ("PSA"), Seller has agreed to provide seller carryback financing to Buyer, in the principal amount of Sixteen Million Seven Hundred Seventy-Nine Thousand Three Hundred Twenty-Seven Dollars and Forty-One Cents (\$16,779,327.41), under the terms and conditions set forth in a Secured Promissory Note ("Carryback Loan"). The Carryback Loan shall be evidenced by a Secured Promissory Note substantially in the form attached as Exhibit B to the PSA ("Note"). The Note shall be secured by a first position Deed of Trust, Assignment of Rents, Security Agreement and Fixture Filing with the City as beneficiary, substantially in the form attached as Exhibit C to the PSA ("Deed of Trust"), to be recorded in the Official Records of Contra Costa County, encumbering the Property described in the Deed of Trust, to secure the repayment of the Carryback Loan and the performance of the other obligations set forth in the Note and the Deed of Trust; and

WHEREAS, nothing in the proposed PSA, Note, or Deed of Trust constitutes a commitment by Seller to approve any land use entitlements, approvals or permits of any development or project that Buyer may propose for the Property, including, but not limited to the "Project" as defined in the Option Agreement. Any such development or project on the Property shall be subject to environmental review under the California Environmental Quality Act (Pubic Resources Code Section 21000, et seq.) ("CEQA"), requiring numerous discretionary approvals and agreements, and no development or project proposed for the Property shall be deemed approved until after (i) the proposed development or project is reviewed in accordance with the requirements of CEQA; (ii) any additional conditions to the development or project based on the CEQA review have been resolved in a manner reasonably acceptable to the parties to the PSA, and (iii) all required permits for the development or project have been obtained from the City and other governmental authorities with jurisdiction in accordance with applicable laws and regulations.

NOW THEREFORE BE IT RESOLVED that the City Council authorizes the City Manager to negotiate and execute a Purchase and Sale Agreement, Secured Promissory Note, and Deed of Trust between the City and AVAIO in substantial conformance with the documents presented to the City Council during a duly noticed public meeting on July 18, 2022.

BE IT FURTHER RESOLVED the City Manager is hereby authorized to negotiate and execute any and all documents and take such further actions as may be necessary or appropriate to carry out the City Council's direction pursuant to this Resolution.

BE IT FURTHER RESOLVED that this Resolution has been reviewed with respect to the applicability of the California Environmental Quality Act (Public Resources Code Section 21000 et seq.) ("CEQA"). The City Council has determined that the sale of this property does not entitle any development that would have the potential for creating a significant effect on the environment and is therefore exempt from further review under CEQA pursuant to State CEQA Guidelines Section 15060(c)(3) because it is not a project as defined by the CEQA Guidelines Section 15378. Adoption of the

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Resolution does not have the potential for resulting in either a direct physical change in the environment or a reasonably foreseeable indirect physical change in the environment. If and when a discretionary entitlement is sought, that future use and project will be analyzed at the appropriate time in accordance with CEQA.

PASSED AND ADOPTED by the City Council of the City of Pittsburg at a regular meeting on the 18th day of July 2022 by the following vote:

AYES:

Banales, Craft, Killings, Scales-Preston

NOES:

None

ABSTAINED:

None

ABSENT:

White

Holland Barrett White, Mayor

ATTEST:

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Alice E. Evenson, City Clerk

DELTA VIEW GOLF COURSE 2232 GOLF CLUB RD PITTSBURG, CA 94565

Inquiry Number: 7217262.7S

JANUARY 11, 2023

EDR Environmental Lien and AUL Search



The EDR Environmental Lien Search Report provides results from a search of available current land title records for environmental cleanup liens and other activity and use limitations, such as engineering controls and institutional controls.

A network of professional, trained researchers, following established procedures, uses client supplied address information to:

- search for parcel information and/or legal description;
- search for ownership information;
- research official land title documents recorded at jurisdictional agencies such as recorders' offices, registries of deeds, county clerks' offices, etc.;
- access a copy of the deed;
- search for environmental encumbering instrument(s) associated with the deed;
- provide a copy of any environmental encumbrance(s) based upon a review of key words in the instrument(s) (title, parties involved, and description); and
- provide a copy of the deed or cite documents reviewed.

Thank you for your business.

Please contact EDR at 1-800-352-0050 with any questions or comments.

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EDR and its logos are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

TARGET PROPERTY INFORMATION

ADDRESS

DELTA VIEW GOLF COURSE 2232 GOLF CLUB RD PITTSBURG, CA 94565

RESEARCH SOURCE

JUDICIAL RECORDS **NOT** SEARCHED. BASED ON AVAILABLE INFORMATION EVALUATED BY THE TITLE SEARCH PROFESSIONAL, THE JURISDICTION **DOES NOT** REQUIRE A SEARCH OF JUDICIAL RECORDS IN ORDER TO IDENTIFY ENVIRONMENTAL LIENS.

Source 1: CONTRA COSTA COUNTY RECORDER'S OFFICE

Source 2: CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY

Source 3: UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

PROPERTY INFORMATION

Legal Description: POR NW QR SEC 19 T2N R1E, 20.500 AC

Current Owner: PITTSBURG LAND HOLDINGS, LLC

Property Identifiers: 095-160-002-2

Comments: NA

Deed 1

Type of Deed: QUIT CLAIM DEED

Title is vested in: PITTSBURG LAND HOLDINGS, LLC

Title received from: THE CITY OF PITTSBURG

Date Executed: 11/21/2022

Date Recorded: 11/23/2022

Book: NA

Page: NA Volume: NA

Instrument#: 2022-0177215

Docket: NA

Land Record Comments: COVENANT RESTRICTING RESIDENTIAL USE LOCATED ON ATTACHED DEED

AUL FOUND ON DEED. SEE ATTACHED DEED COPY RECORDED ON 11/23/2022

Miscellaneous Comments: NA

ENVIRONMENTAL I	LIEN
-----------------	------

Environmental Lien: Found Not Found X

Comments: NONE IDENTIFIED.

OTHER ACTIVITY AND USE LIMITATIONS (AULS)

Other AUL's: Found X Not Found

If Found:

1st Party: THE CITY OF PITTSBURG

2nd Party: PITTSBURG LAND HOLDINGS, LLC

Dated: 11/21/2022
Recorded: 11/23/2022
Book: NA

Page: NA
Docket: NA
Volume: NA

Instrument #: 2022-0177215
Instrument Type: QUIT CLAIM DEED

COMMENTS: COVENANT RESTRICTING RESIDENTIAL USE LOCATED ON ATTACHED DEED

FOR ADDITIONAL AUL DETAILS SEE ATTACHED DEED COPY RECORDED 11/23/2022

Miscellaneous: NA

MISCELLANEOUS

Comments: NONE IDENTIFIED.

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Electronically Recorded
CONTRA COSTA Co Recorder Office
DEBORAH COOPER, Clerk-Recorder

DOC - 2022-0177215

Wednesday, Nov 23, 2022 12:02 Transfer Tax Amount: \$18457.45

19 - eRecording Partners Network LLC

Total Paid: \$18,517.45 Receipt #: 202200139160

209 / AGPC / 1-13 ⁽

RECORDING REQUESTED BY AND WHEN RECORDED MAIL TO:

Justus J. Britt Foley & Lardner LLP 555 S. Flower Street, Suite 3300 Los Angeles, CA 90071

SPACE ABOVE THIS LINE FOR RECORDER'S USE

APNs: 095-150-032; 094-080-011

095-160-001; 095-160-002; 094-090-001; 094-080-002

(The undersigned grantor declares that documentary transfer tax is \$18,457.45 computed on the consideration or value of property conveyed.)

QUITCLAIM DEED CONTAINING COVENANTS

For valuable consideration, the receipt and sufficiency of which is hereby acknowledged, THE CITY OF PITTSBURG, a municipal corporation ("Grantor"), hereby remises, releases and forever quitclaims to PITTSBURG LAND HOLDINGS, LLC, a Delaware limited liability company ("Grantee") all right, title and interest Grantor may have in and to the real property situated in the County of Contra Costa, State of California, as more particularly described in Exhibit A attached hereto, incorporated herein, and by this reference made a part hereof ("Property").

- 1. Grantee hereby agrees and covenants that the Property shall not thereafter be sold, transferred, or conveyed to, or used by, any party for residential purposes of any kind, whether single family, multi-family, mixed-use residential, or otherwise. The foregoing covenant and restriction shall run with the land to all successors and assigns.
- 2. No violation or breach of the covenants, conditions, restrictions, provisions or limitations contained in this Quitclaim Deed shall defeat or render invalid or in any way impair the lien or charge of any mortgage, deed of trust or other financing or security instrument, provided, however, that any successor of Grantee to the Property shall be bound by such remaining covenants, conditions, restrictions, limitations and provisions, whether such successor's title was acquired by foreclosure, deed in lieu of foreclosure, trustee's sale or otherwise.

see Exhibit B-Resolution

Signed in Counterpart

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3. Grantee's covenants contained in this Quitclaim Deed shall remain in effect for fifty (50) years from the date this Quitclaim Deed is recorded in the Official Records of Contra Costa County, California.

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4. Grantor is deemed the beneficiary of the terms and provisions of this Quitclaim Deed and of the covenants running with the land, and the covenants running with the land have been provided, without regard to whether Grantor has been, remains or is an owner of any interest in the Property. Grantor shall have the right, if the covenants in this Quitclaim Deed are breached, to exercise all rights and remedies, and to maintain any actions or suits at law or in equity or other proper proceedings to enforce the curing of such breaches.

[remainder of page intentionally left blank]

lot for Official Use: This copy has not been QUALITY ASSURED.

IN WITNESS WHEREOF, Grantor, acting by and through its duly authorized representative, has executed and delivered this Quitclaim Deed as of the date hereinafter provided.

"GRANTOR"

Date: November 22, 2022	THE CITY OF PITTSBURG, a municipal corporation By: Name: Garrett Evans Title: City Manager
Approved as to form:	Attest:
Deren	alice & Guenson
Donna Mooney	Alice E. Evenson
City Attorney	City Clerk
	"GRANTEE"
Date:, 2022	PITTSBURG LAND HOLDINGS, LLC, a Delaware limited liability company

NOT TOF UTTICIAL USE: I NIS COPY NAS NOT DEEN QUALLIT ASSURED.

By:___ Name: Its: **Signed in Counterpart**

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A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

STATE OF CALIFORNIA)
) ss
COUNTY OF CONTRA COSTA)

Notary Public, personally appeared _______, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

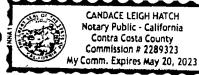
I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing is true and correct.

WITNESS my hand and official seal.

Signature

NOT TOF UTTICIAL USE : LINIS COPY NAS NOT BEEN QUALLE L'ASSURED.

(Seal)



IN	WITNE	ESS WHE	REOF	, Granto	r, a	cting	by :	and	throu	gh	its	duly	authorized
representativ	ve, has	executed	and c	ielivered	this	Quite	claim	Dee	ed as	of	the	date	hereinafter
provided.													

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		"GRANTOR"
Date:	_, 2022	THE CITY OF PITTSBURG, a municipal corporation
		By: Signed in Counterpart
		Name:
		Title:
Approved as to form:		Attest:
		Signed In Counterpart
Donna Mooney		
City Attorney		City Clerk
		"GRANTEE"
Date: 11/21	_, 2022	PITTSBURG LAND HOLDINGS, LLC, a Delaware limited liability company
		By:
		Its: Vice President

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STATE OF CONNCLLAT) ss COUNTY OF FIRE OF		
On <u>Nov</u> 21, 2022, before Notary Public, personally appeared Kevin Murphy, who pevidence to be the person whose name is subscribed to the to me that he executed the same in his authorized cap instrument the person, or the entity upon behalf of instrument.	proved to me on the the within instrument acity, and that by h	basis of satisfactory and acknowledged is signature on the
I certify under PENALTY OF PERJU		rs of the State of
WITNESS my hand and official seal. Signature	(Seal)	
	1	CHARD FAJARDO Notary Public Connecticut ion Expires Nov 30, 2026

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APN: 095-150-032

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PARCEL TWO:

A right of way for a road for ingress to and egress from Parcel One within the strip of land described as follows, to wit:

A strip of land of the uniform width of 60 feet extending from the Easterly boundary line of said 13.92 acre parcel of land Westerly to the Easterly boundary line of Parcel One hereinbefore described, and lying equally on each side of the line which begins at a point in the Easterly boundary line of said 13.92 acre parcel of land from which the Southeast corner of said 13.92 acre parcel of land bears South 0° 19 1/2' West 263.0 feet distant and runs thence South 89° 50' West, parallel with the Southerly boundary line of said 13.92 acre parcel of land, 800 feet, more or less, to the Easterly boundary line.

APN: 095-160-001

Parcel 3:

Lots 1, 2 and 3, and the Southeast 1/4 (one-fourth) of the Northwest 1/4 (one-fourth) of Section 19, Township 2 North, Range 1 Eat, Mount Diablo Base and Meridian.

EXCEPTING THEREFROM:

1. That parcel of land containing 11.42 acres, more or less, described in the Deed from John Fahy, et u, to United States of America, dated April 26, 1938 and recorded May 12, 1938 in Volume 448 of Official Records, at Page 388, as follows:

ot for Official Use: This copy has not been QUALITY ASSURED.

"Beginning on the East line of the Northwest quarter of said Section 19, distant thereon North 0° 16' Eat 975.7 feet from Grant Corner Number 5 of the Rancho Los Medanos at the center of said Section 19; thence from said point of beginning South 0° 16' West 63.3 feet, along said East line; thence North 71° 11' West 1526.9 feet; thence on a curve to the right (tangent to the preceding course) with a radius of 180 feet, a distance of 169.2 feet; thence North 17° 19' West 462.4 feet; thence on a curve to the left (tangent to the preceding course) with a radius of 60 feet, a distance of 54.8 feet; thence North 69° 36' West 486.3 feet; thence South 89° 52' West 100.00 feet; thence more or less, to the Mount Meridian, which is the West line of the Northwest 1/4 of said Section 19; thence North 0° 08' West 365.8 feet, more or less, along said Meridian to Grant Corner Number 7 of the Rancho Los Medanos, which is the Northwest corner of said Section 19; thence North 89° 44' East 101.0 feet, along said line; thence South 0° 16' East 100.0 feet; thence South 25° 44' East 135.6 feet; thence South 52° 47' East 103.7 feet; thence South 69° 36' East 457.8 feet; thence South 17° 19' East 542.3 feet; thence South 49° 04' East 106.2 feet; thence South 71° 11' East 600.0 feet; thence South 78° 02' East 503.6 feet; thence South 66° 55' East 268.8 feet; more or less, to the East lien of said Northwest quarter of Section 19; thence South 0° 16' West 126.6 feet, more or less, along said line to the point of beginning.

ALSO EXCEPTING THEREFROM:

That portion thereof described in the Deed to Pacific Gas and Electric Company recorded September 19, 1952, Book 1994, Page 129.

ALSO EXCEPTING THEREFROM:

That portion thereof described in the Deed to the City of Pittsburg recorded December 8, 1960, Book 3759, Official Records, Page 1.

ALSO EXCEPTING THEREFROM:

That portion thereof lying Southerly of the Northeasterly boundary line of the Contra Costa Canal.

APN: 095-160-002

Parcel 4:

Parcel 2 of Parcel Map Waiver No. 22-08 recorded as Document 20220154772 of Contra Costa County Official Records, more specifically described as:

Real property situate in the City of Pittsburg, County of Contra Costa, State of California described as follows:

Being a portion of the parcel of land described in the Quitclaim Deed to the City of Pittsburg recorded in Liber 3759, Page 1 (3759 OR 1), a portion of the parcel of land described in the Grant Deeds to City of Pittsburg recorded in Book 593, Page 262 and in Book 1994, Page 122, all of Official Records of Contra Costa County and more particularly described as follows:

Beginning at most southeasterly corner of said City parcel (1994 or 122), thence along the southeasterly and southerly lines of last said parcel the following three (3) courses;

- 1) North 88°45'56" West 299.81 feet;
- 2) South 30°05'04" West 516.81 feet; and
- 3) North 88°45'56" West 839.89 feet;

thence across said City parcels the following five (5) courses:

lot for Official Use: This copy has not been QUALITY ASSURED.

- 1) North 36°24'11" East 1355.52 feet;
- 2) North 29°23'26" West 440.78 feet;
- 3) North 81°37'36" West 614.39 feet;
- 4) North 80°27'20" West 40.13 feet; and
- 5) North 00°47'17" East 1585.73 feet;

to the generally northeasterly line of said City parcel (3759 OR 1), last said line also being the southwesterly line of the parcel of land described in the Grant Deed to the United States of America recorded in Book 448, Page 388, Official Records of Contra Costa County; thence along last said line, last said line also being said northeasterly line of said City parcel (3759 OR 1) and the northeasterly line of said City parcel (593 OR 262) the following six (6) courses:

- 1) South 89°12'43" East 99.94 feet;
- 2) South 68°40'43" East 486.30 feet;
- 3) along a tangent curve to the right having a radius of 60.00 feet, a central angle of 52°17'00" and an arc length of 54.75 feet;
- 4) South 16°23'43" East 462.40 feet;
- 5) along a tangent curve to the left having a radius of 180.00 feet, a central angle of 53°50'56" and an arc length of 169.17 feet; and
- 6) South 70°15'58" East 681.48 feet;

to the easterly line of said City parcel (593 OR 262); thence along last said line and the easterly of said City parcel (1994 OR 122) South 01°12'49" West 1725.07 feet to the Point of Beginning.

Containing a land area of 2,893,875 square feet (66.43 acres), more or less.

END OF DESCRIPTION

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Exhibit B

BEFORE THE CITY COUNCIL OF THE CITY OF PITTSBURG

In the Matter of:

Approving a Purchase and Sale Agreement)					
between the City of Pittsburg and					
Pittsburg Land Holdings LLC					

RESOLUTION NO. 22-14126

WHEREAS, the City of Pittsburg ("City" or "Seller") is the owner of real property at or in the vicinity of the Delta View Golf Course in Pittsburg, California. The parcels total approximately 101.70 acres, and is comprised of land on the following Assessor's Parcel Numbers: 095-150-032, 094-080-011, 095-160-001, 095-160-002, 094-090-001, 094-080-002 (collectively, the "Property"); and

WHEREAS, on June 5, 2018, the City and Energy Delivery Solutions LLC ("EDS") entered into an Option Agreement to transfer and sell the Property to EDS; and

WHEREAS, pursuant to Section 1 of the Option Agreement, the City granted an exclusive option to EDS to purchase the Property, with a five-year term to exercise the option; and

WHEREAS, on October 8, 2019, the City and EDS amended the Option Agreement, to extend the period for exercising the option through June 4, 2028; and

WHEREAS, in early 2022, Pittsburg Land Holdings LLC, a subsidiary of AVAIO Digital Partners I LLC ("AVAIO" or "Buyer") acquired the assets of EDS, and the City executed a novation agreement allowing the assignment of the ENRA and Option Agreement to AVAIO; and

WHEREAS, pursuant to Section 54234(a)(1) of the Surplus Land Act, and the California Department of Housing and Community Development's (HCD) Surplus Land Act Guidelines, if a local agency, as of September 30, 2019, has entered into a legally binding agreement to dispose of property, and the disposition of the property is completed by December 31, 2022, the local agency is exempt from Articles II and III of the Surplus Land Act Guidelines; and

WHEREAS, the Property was subject to a legally binding agreement for its disposal prior to September 30, 2019, and the City desires to complete the disposition of the Property to EDS's successor in interest prior to December 31, 2022; and

WHEREAS, on February 7, 2022, the City Council adopted Resolution No. 22-14051, declaring the Property as Exempt Surplus Land Under California Government Code Section 54234(a)(1); and

WHEREAS, on March 9, 2022, HCD responded to the City concurring with the City Council's determination; and

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Not for Official Use: This copy has not been QUALITY ASSURED.

BEFORE THE CITY COUNCIL OF THE CITY OF PITTSBURG

In the Matter of:

Approving a Purchase and Sale Agreement) RESOLUTION NO. 22-14126
between the City of Pittsburg and)
Pittsburg Land Holdings LLC	

WHEREAS, the City of Pittsburg ("City" or "Seller") is the owner of real property at or in the vicinity of the Delta View Golf Course in Pittsburg, California. The parcels total approximately 101.70 acres, and is comprised of land on the following Assessor's Parcel Numbers: 095-150-032, 094-080-011, 095-160-001, 095-160-002, 094-090-001, 094-080-002 (collectively, the "Property"); and

WHEREAS, on June 5, 2018, the City and Energy Delivery Solutions LLC ("EDS") entered into an Option Agreement to transfer and sell the Property to EDS; and

WHEREAS, pursuant to Section 1 of the Option Agreement, the City granted an exclusive option to EDS to purchase the Property, with a five-year term to exercise the option; and

WHEREAS, on October 8, 2019, the City and EDS amended the Option Agreement, to extend the period for exercising the option through June 4, 2028; and

WHEREAS, in early 2022, Pittsburg Land Holdings LLC, a subsidiary of AVAIO Digital Partners I LLC ("AVAIO" or "Buyer") acquired the assets of EDS, and the City executed a novation agreement allowing the assignment of the ENRA and Option Agreement to AVAIO; and

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WHEREAS, the Property was subject to a legally binding agreement for its disposal prior to September 30, 2019, and the City desires to complete the disposition of the Property to EDS's successor in interest prior to December 31, 2022; and

WHEREAS, on February 7, 2022, the City Council adopted Resolution No. 22-14051, declaring the Property as Exempt Surplus Land Under California Government Code Section 54234(a)(1); and

WHEREAS, on March 9, 2022, HCD responded to the City concurring with the City Council's determination; and

WHEREAS, in connection with this Purchase and Sale Agreement ("PSA"), Seller has agreed to provide seller carryback financing to Buyer, in the principal amount of Sixteen Million Seven Hundred Seventy-Nine Thousand Three Hundred Twenty-Seven Dollars and Forty-One Cents (\$16,779,327.41), under the terms and conditions set forth in a Secured Promissory Note ("Carryback Loan"). The Carryback Loan shall be evidenced by a Secured Promissory Note substantially in the form attached as Exhibit B to the PSA ("Note"). The Note shall be secured by a first position Deed of Trust, Assignment of Rents, Security Agreement and Fixture Filing with the City as beneficiary, substantially in the form attached as Exhibit C to the PSA ("Deed of Trust"), to be recorded in the Official Records of Contra Costa County, encumbering the Property described in the Deed of Trust, to secure the repayment of the Carryback Loan and the performance of the other obligations set forth in the Note and the Deed of Trust; and

WHEREAS, nothing in the proposed PSA, Note, or Deed of Trust constitutes a commitment by Seller to approve any land use entitlements, approvals or permits of any development or project that Buyer may propose for the Property, including, but not limited to the "Project" as defined in the Option Agreement. Any such development or project on the Property shall be subject to environmental review under the California Environmental Quality Act (Pubic Resources Code Section 21000, et seq.) ("CEQA"), requiring numerous discretionary approvals and agreements, and no development or project proposed for the Property shall be deemed approved until after (i) the proposed development or project is reviewed in accordance with the requirements of CEQA; (ii) any additional conditions to the development or project based on the CEQA review have been resolved in a manner reasonably acceptable to the parties to the PSA, and (iii) all required permits for the development or project have been obtained from the City and other governmental authorities with jurisdiction in accordance with applicable laws and regulations.

NOW THEREFORE BE IT RESOLVED that the City Council authorizes the City Manager to negotiate and execute a Purchase and Sale Agreement, Secured Promissory Note, and Deed of Trust between the City and AVAIO in substantial conformance with the documents presented to the City Council during a duly noticed public meeting on July 18, 2022.

BE IT FURTHER RESOLVED the City Manager is hereby authorized to negotiate and execute any and all documents and take such further actions as may be necessary or appropriate to carry out the City Council's direction pursuant to this Resolution.

BE IT FURTHER RESOLVED that this Resolution has been reviewed with respect to the applicability of the California Environmental Quality Act (Public Resources Code Section 21000 et seq.) ("CEQA"). The City Council has determined that the sale of this property does not entitle any development that would have the potential for creating a significant effect on the environment and is therefore exempt from further review under CEQA pursuant to State CEQA Guidelines Section 15060(c)(3) because it is not a project as defined by the CEQA Guidelines Section 15378. Adoption of the

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Resolution does not have the potential for resulting in either a direct physical change in the environment or a reasonably foreseeable indirect physical change in the environment. If and when a discretionary entitlement is sought, that future use and project will be analyzed at the appropriate time in accordance with CEQA.

PASSED AND ADOPTED by the City Council of the City of Pittsburg at a regular meeting on the 18th day of July 2022 by the following vote:

AYES:

Banales, Craft, Killings, Scales-Preston

NOES:

None

ABSTAINED:

None

ABSENT:

White

Holland Barrett White, Mayor

ATTEST:

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Alice E. Evenson, City Clerk

DELTA VIEW GOLF COURSE 2232 GOLF CLUB RD PITTSBURG, CA 94565

Inquiry Number: 7217262.7S

JANUARY 11, 2023

EDR Environmental Lien and AUL Search



The EDR Environmental Lien Search Report provides results from a search of available current land title records for environmental cleanup liens and other activity and use limitations, such as engineering controls and institutional controls.

A network of professional, trained researchers, following established procedures, uses client supplied address information to:

- search for parcel information and/or legal description;
- search for ownership information;
- research official land title documents recorded at jurisdictional agencies such as recorders' offices, registries of deeds, county clerks' offices, etc.;
- access a copy of the deed;
- search for environmental encumbering instrument(s) associated with the deed;
- provide a copy of any environmental encumbrance(s) based upon a review of key words in the instrument(s) (title, parties involved, and description); and
- provide a copy of the deed or cite documents reviewed.

Thank you for your business.

Please contact EDR at 1-800-352-0050 with any questions or comments.

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TARGET PROPERTY INFORMATION

ADDRESS

DELTA VIEW GOLF COURSE 2232 GOLF CLUB RD PITTSBURG, CA 94565

RESEARCH SOURCE

JUDICIAL RECORDS **NOT** SEARCHED. BASED ON AVAILABLE INFORMATION EVALUATED BY THE TITLE SEARCH PROFESSIONAL, THE JURISDICTION **DOES NOT** REQUIRE A SEARCH OF JUDICIAL RECORDS IN ORDER TO IDENTIFY ENVIRONMENTAL LIENS.

Source 1: CONTRA COSTA COUNTY RECORDER'S OFFICE

Source 2: CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY

Source 3: UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

PROPERTY INFORMATION

Legal Description: POR NW QR SEC 19 T2N R1E, 44.270 AC

Current Owner: PITTSBURG LAND HOLDINGS, LLC

Property Identifiers: 094-090-001-2

Comments: NA

Deed 1

Type of Deed: QUIT CLAIM DEED

Title is vested in: PITTSBURG LAND HOLDINGS, LLC

Title received from: THE CITY OF PITTSBURG

Date Executed: 11/21/2022

Date Recorded: 11/23/2022

Book: NA

Page: NA Volume: NA

Instrument#: 2022-0177215

Docket: NA

Land Record Comments: COVENANT RESTRICTING RESIDENTIAL USE LOCATED ON ATTACHED DEED

AUL FOUND ON DEED. SEE ATTACHED DEED COPY RECORDED ON 11/23/2022

Miscellaneous Comments: NA

ENVIR	RONME	ENTAL	LIEN
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Environmental Lien: Found Not Found X

Comments: NONE IDENTIFIED.

OTHER ACTIVITY AND USE LIMITATIONS (AULS)

Other AUL's: Found X Not Found

If Found:

1st Party: THE CITY OF PITTSBURG

2nd Party: PITTSBURG LAND HOLDINGS, LLC

 Dated:
 11/21/2022

 Recorded:
 11/23/2022

 Book:
 NA

 Page:
 NA

Docket: NA
Volume: NA

Instrument #: 2022-0177215
Instrument Type: QUIT CLAIM DEED

COMMENTS: COVENANT RESTRICTING RESIDENTIAL USE LOCATED ON ATTACHED DEED

FOR ADDITIONAL AUL DETAILS SEE ATTACHED DEED COPY RECORDED 11/23/2022

Miscellaneous: NA

MISCELLANEOUS

Comments: NONE IDENTIFIED.

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Electronically Recorded
CONTRA COSTA Co Recorder Office
DEBORAH COOPER, Clerk-Recorder

DOC - 2022-0177215

Wednesday, Nov 23, 2022 12:02 Transfer Tax Amount: \$18457.45

19 - eRecording Partners Network LLC

Total Paid: \$18,517.45 Receipt #: 202200139160

209 / AGPC / 1-13 ⁽

RECORDING REQUESTED BY AND WHEN RECORDED MAIL TO:

Justus J. Britt Foley & Lardner LLP 555 S. Flower Street, Suite 3300 Los Angeles, CA 90071

SPACE ABOVE THIS LINE FOR RECORDER'S USE

APNs: 095-150-032; 094-080-011

095-160-001; 095-160-002; 094-090-001; 094-080-002

(The undersigned grantor declares that documentary transfer tax is \$18,457.45 computed on the consideration or value of property conveyed.)

QUITCLAIM DEED CONTAINING COVENANTS

For valuable consideration, the receipt and sufficiency of which is hereby acknowledged, THE CITY OF PITTSBURG, a municipal corporation ("Grantor"), hereby remises, releases and forever quitclaims to PITTSBURG LAND HOLDINGS, LLC, a Delaware limited liability company ("Grantee") all right, title and interest Grantor may have in and to the real property situated in the County of Contra Costa, State of California, as more particularly described in Exhibit A attached hereto, incorporated herein, and by this reference made a part hereof ("Property").

- 1. Grantee hereby agrees and covenants that the Property shall not thereafter be sold, transferred, or conveyed to, or used by, any party for residential purposes of any kind, whether single family, multi-family, mixed-use residential, or otherwise. The foregoing covenant and restriction shall run with the land to all successors and assigns.
- 2. No violation or breach of the covenants, conditions, restrictions, provisions or limitations contained in this Quitclaim Deed shall defeat or render invalid or in any way impair the lien or charge of any mortgage, deed of trust or other financing or security instrument, provided, however, that any successor of Grantee to the Property shall be bound by such remaining covenants, conditions, restrictions, limitations and provisions, whether such successor's title was acquired by foreclosure, deed in lieu of foreclosure, trustee's sale or otherwise.

see Exhibit B-Resolution

Signed in Counterpart

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3. Grantee's covenants contained in this Quitclaim Deed shall remain in effect for fifty (50) years from the date this Quitclaim Deed is recorded in the Official Records of Contra Costa County, California.

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4. Grantor is deemed the beneficiary of the terms and provisions of this Quitclaim Deed and of the covenants running with the land, and the covenants running with the land have been provided, without regard to whether Grantor has been, remains or is an owner of any interest in the Property. Grantor shall have the right, if the covenants in this Quitclaim Deed are breached, to exercise all rights and remedies, and to maintain any actions or suits at law or in equity or other proper proceedings to enforce the curing of such breaches.

[remainder of page intentionally left blank]

lot for Official Use: This copy has not been QUALITY ASSURED.

IN WITNESS WHEREOF, Grantor, acting by and through its duly authorized representative, has executed and delivered this Quitclaim Deed as of the date hereinafter provided.

"GRANTOR"

Date: November 22, 2022	THE CITY OF PITTSBURG, a municipal corporation By: Name: Garrett Evans Title: City Manager
Approved as to form:	Attest:
Donna Mooney	Alice E. Evenson
City Attorney	City Clerk
	"GRANTEE"
Date:, 2022	PITTSBURG LAND HOLDINGS, LLC, a Delaware limited liability company
	Signed in Counterpart

Not for Utilicial Use: I fils copy has not been QUALLIT ASSURED.

By:___ Name: Its: lot for Official Use : This copy has not been QUALITY ASSURED.

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

STATE OF CALIFORNIA)
) ss
COUNTY OF CONTRA COSTA)

Notary Public, personally appeared _______, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing is true and correct.

WITNESS my hand and official seal.

Signature

NOT TOF UTTICIAL USE : I NIS COPY NAS NOT BEEN QUALLI I ASSURED.

(Seal)

CANDACE LEIGH HATCH
Notary Public - California
Contra Costa County
Commission # 2289323
My Comm. Expires May 20, 2023

IN WITNESS WHEREOF, Grantor, acting by and through its duly authorized representative, has executed and delivered this Quitelaim Deed as of the date hereinafter provided.

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	"GRANTOR"
Date:, 2022	THE CITY OF PITTSBURG, a municipal corporation
	By: Signed in Counterpart
	Name:
	Title:
Approved as to form:	Attest:
	Signed In Counterpart
Donna Mooney	
City Attorney	City Clerk
	"GRANTEE"
Date: 11/21, 2022	PITTSBURG LAND HOLDINGS, LLC, a Delaware limited liability company
	By: MM
	Name: Kevin Murphy

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STATE OF CONNECTION) ss COUNTY OF FIRE OF		
On <u>Nov</u> 21, 2022, before Notary Public, personally appeared Kevin Murphy, who pevidence to be the person whose name is subscribed to the to me that he executed the same in his authorized cap instrument the person, or the entity upon behalf of instrument.	proved to me on the le he within instrument acity, and that by h	basis of satisfactory and acknowledged is signature on the
I certify under PENALTY OF PERJU		rs of the State of
WITNESS my hand and official seal. Signature	(Seal)	
	1	CHARD FAJARDO Notary Public Connecticut ion Expires Nov 30, 2026

1

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EXHIBIT "A" TO QUITCLAIM DEED

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LEGAL DESCRIPTION OF THE PROPERTY

Parcel 1:

Parcel A as shown on Parcel Map MS 677-05, filed June 10, 2005, in Book 193 of Parcel Maps, Page 39, Contra Costa County Records.

APN: 095-150-032

Parcel 2:

PARCEL ONE:

Beginning at the Southwest corner of the 13.92 acre parcel of land described and designated Parcel VI in the Deed from C.A. Hooper & Co. to Pacific Gas and Electric Company, dated December 27, 1951 and recorded in the Office of the County Recorder of said County of Contra Costa in Book 1872 of Official Records at Page 189, an running thence North 0° 10' East, along the Westerly boundary line of said 13.92 acre parcel of land; thence South 73° 11 1/2' East, along the Northerly boundary line of said 13.92 acre parcel of land, 182.03 feet; thence South 0° 19 1/2' West 718.40 feet to a point in the Southerly boundary line of said 13.92 acre parcel of land; thence South 89° 50' West, along the last mentioned boundary line, 172.41 feet, more or less, to the point of beginning; being a portion of Rancho Las Medanos.

PARCEL TWO:

A right of way for a road for ingress to and egress from Parcel One within the strip of land described as follows, to wit:

A strip of land of the uniform width of 60 feet extending from the Easterly boundary line of said 13.92 acre parcel of land Westerly to the Easterly boundary line of Parcel One hereinbefore described, and lying equally on each side of the line which begins at a point in the Easterly boundary line of said 13.92 acre parcel of land from which the Southeast corner of said 13.92 acre parcel of land bears South 0° 19 1/2' West 263.0 feet distant and runs thence South 89° 50' West, parallel with the Southerly boundary line of said 13.92 acre parcel of land, 800 feet, more or less, to the Easterly boundary line.

APN: 095-160-001

Parcel 3:

Lots 1, 2 and 3, and the Southeast 1/4 (one-fourth) of the Northwest 1/4 (one-fourth) of Section 19, Township 2 North, Range 1 Eat, Mount Diablo Base and Meridian.

EXCEPTING THEREFROM:

1. That parcel of land containing 11.42 acres, more or less, described in the Deed from John Fahy, et u, to United States of America, dated April 26, 1938 and recorded May 12, 1938 in Volume 448 of Official Records, at Page 388, as follows:

ot for Official Use: This copy has not been QUALITY ASSURED.

"Beginning on the East line of the Northwest quarter of said Section 19, distant thereon North 0° 16' Eat 975.7 feet from Grant Corner Number 5 of the Rancho Los Medanos at the center of said Section 19; thence from said point of beginning South 0° 16' West 63.3 feet, along said East line; thence North 71° 11' West 1526.9 feet; thence on a curve to the right (tangent to the preceding course) with a radius of 180 feet, a distance of 169.2 feet; thence North 17° 19' West 462.4 feet; thence on a curve to the left (tangent to the preceding course) with a radius of 60 feet, a distance of 54.8 feet; thence North 69° 36' West 486.3 feet; thence South 89° 52' West 100.00 feet; thence more or less, to the Mount Meridian, which is the West line of the Northwest 1/4 of said Section 19; thence North 0° 08' West 365.8 feet, more or less, along said Meridian to Grant Corner Number 7 of the Rancho Los Medanos, which is the Northwest corner of said Section 19; thence North 89° 44' East 101.0 feet, along said line; thence South 0° 16' East 100.0 feet; thence South 25° 44' East 135.6 feet; thence South 52° 47' East 103.7 feet; thence South 69° 36' East 457.8 feet; thence South 17° 19' East 542.3 feet; thence South 49° 04' East 106.2 feet; thence South 71° 11' East 600.0 feet; thence South 78° 02' East 503.6 feet; thence South 66° 55' East 268.8 feet; more or less, to the East lien of said Northwest quarter of Section 19; thence South 0° 16' West 126.6 feet, more or less, along said line to the point of beginning.

ALSO EXCEPTING THEREFROM:

That portion thereof described in the Deed to Pacific Gas and Electric Company recorded September 19, 1952, Book 1994, Page 129.

ALSO EXCEPTING THEREFROM:

That portion thereof described in the Deed to the City of Pittsburg recorded December 8, 1960, Book 3759, Official Records, Page 1.

ALSO EXCEPTING THEREFROM:

That portion thereof lying Southerly of the Northeasterly boundary line of the Contra Costa Canal.

APN: 095-160-002

Parcel 4:

Parcel 2 of Parcel Map Waiver No. 22-08 recorded as Document 20220154772 of Contra Costa County Official Records, more specifically described as:

Real property situate in the City of Pittsburg, County of Contra Costa, State of California described as follows:

Being a portion of the parcel of land described in the Quitclaim Deed to the City of Pittsburg recorded in Liber 3759, Page 1 (3759 OR 1), a portion of the parcel of land described in the Grant Deeds to City of Pittsburg recorded in Book 593, Page 262 and in Book 1994, Page 122, all of Official Records of Contra Costa County and more particularly described as follows:

Beginning at most southeasterly corner of said City parcel (1994 or 122), thence along the southeasterly and southerly lines of last said parcel the following three (3) courses;

- 1) North 88°45'56" West 299.81 feet;
- 2) South 30°05'04" West 516.81 feet; and
- 3) North 88°45'56" West 839.89 feet;

thence across said City parcels the following five (5) courses:

lot for Official Use: This copy has not been QUALITY ASSURED.

- 1) North 36°24'11" East 1355.52 feet;
- 2) North 29°23'26" West 440.78 feet;
- 3) North 81°37'36" West 614.39 feet;
- 4) North 80°27'20" West 40.13 feet; and
- 5) North 00°47'17" East 1585.73 feet;

to the generally northeasterly line of said City parcel (3759 OR 1), last said line also being the southwesterly line of the parcel of land described in the Grant Deed to the United States of America recorded in Book 448, Page 388, Official Records of Contra Costa County; thence along last said line, last said line also being said northeasterly line of said City parcel (3759 OR 1) and the northeasterly line of said City parcel (593 OR 262) the following six (6) courses:

- 1) South 89°12'43" East 99.94 feet;
- 2) South 68°40'43" East 486.30 feet;
- 3) along a tangent curve to the right having a radius of 60.00 feet, a central angle of 52°17'00" and an arc length of 54.75 feet;
- 4) South 16°23'43" East 462.40 feet;
- 5) along a tangent curve to the left having a radius of 180.00 feet, a central angle of 53°50'56" and an arc length of 169.17 feet; and
- 6) South 70°15'58" East 681.48 feet;

to the easterly line of said City parcel (593 OR 262); thence along last said line and the easterly of said City parcel (1994 OR 122) South 01°12'49" West 1725.07 feet to the Point of Beginning.

Containing a land area of 2,893,875 square feet (66.43 acres), more or less.

END OF DESCRIPTION

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Exhibit B

BEFORE THE CITY COUNCIL OF THE CITY OF PITTSBURG

In the Matter of:

Approving a Purchase and Sale Agreement)
between the City of Pittsburg and
Pittsburg Land Holdings LLC

RESOLUTION NO. 22-14126

WHEREAS, the City of Pittsburg ("City" or "Seller") is the owner of real property at or in the vicinity of the Delta View Golf Course in Pittsburg, California. The parcels total approximately 101.70 acres, and is comprised of land on the following Assessor's Parcel Numbers: 095-150-032, 094-080-011, 095-160-001, 095-160-002, 094-090-001, 094-080-002 (collectively, the "Property"); and

WHEREAS, on June 5, 2018, the City and Energy Delivery Solutions LLC ("EDS") entered into an Option Agreement to transfer and sell the Property to EDS; and

WHEREAS, pursuant to Section 1 of the Option Agreement, the City granted an exclusive option to EDS to purchase the Property, with a five-year term to exercise the option; and

WHEREAS, on October 8, 2019, the City and EDS amended the Option Agreement, to extend the period for exercising the option through June 4, 2028; and

WHEREAS, in early 2022, Pittsburg Land Holdings LLC, a subsidiary of AVAIO Digital Partners I LLC ("AVAIO" or "Buyer") acquired the assets of EDS, and the City executed a novation agreement allowing the assignment of the ENRA and Option Agreement to AVAIO; and

WHEREAS, pursuant to Section 54234(a)(1) of the Surplus Land Act, and the California Department of Housing and Community Development's (HCD) Surplus Land Act Guidelines, if a local agency, as of September 30, 2019, has entered into a legally binding agreement to dispose of property, and the disposition of the property is completed by December 31, 2022, the local agency is exempt from Articles II and III of the Surplus Land Act Guidelines; and

WHEREAS, the Property was subject to a legally binding agreement for its disposal prior to September 30, 2019, and the City desires to complete the disposition of the Property to EDS's successor in interest prior to December 31, 2022; and

WHEREAS, on February 7, 2022, the City Council adopted Resolution No. 22-14051, declaring the Property as Exempt Surplus Land Under California Government Code Section 54234(a)(1); and

WHEREAS, on March 9, 2022, HCD responded to the City concurring with the City Council's determination; and

N

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BEFORE THE CITY COUNCIL OF THE CITY OF PITTSBURG

In the Matter of:

Approving a Purchase and Sale Agreement) RESOLUTION NO. 22-14126
between the City of Pittsburg and)
Pittsburg Land Holdings LLC	

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WHEREAS, the Property was subject to a legally binding agreement for its disposal prior to September 30, 2019, and the City desires to complete the disposition of the Property to EDS's successor in interest prior to December 31, 2022; and

WHEREAS, on February 7, 2022, the City Council adopted Resolution No. 22-14051, declaring the Property as Exempt Surplus Land Under California Government Code Section 54234(a)(1); and

WHEREAS, on March 9, 2022, HCD responded to the City concurring with the City Council's determination; and

WHEREAS, in connection with this Purchase and Sale Agreement ("PSA"), Seller has agreed to provide seller carryback financing to Buyer, in the principal amount of Sixteen Million Seven Hundred Seventy-Nine Thousand Three Hundred Twenty-Seven Dollars and Forty-One Cents (\$16,779,327.41), under the terms and conditions set forth in a Secured Promissory Note ("Carryback Loan"). The Carryback Loan shall be evidenced by a Secured Promissory Note substantially in the form attached as Exhibit B to the PSA ("Note"). The Note shall be secured by a first position Deed of Trust, Assignment of Rents, Security Agreement and Fixture Filing with the City as beneficiary, substantially in the form attached as Exhibit C to the PSA ("Deed of Trust"), to be recorded in the Official Records of Contra Costa County, encumbering the Property described in the Deed of Trust, to secure the repayment of the Carryback Loan and the performance of the other obligations set forth in the Note and the Deed of Trust; and

WHEREAS, nothing in the proposed PSA, Note, or Deed of Trust constitutes a commitment by Seller to approve any land use entitlements, approvals or permits of any development or project that Buyer may propose for the Property, including, but not limited to the "Project" as defined in the Option Agreement. Any such development or project on the Property shall be subject to environmental review under the California Environmental Quality Act (Pubic Resources Code Section 21000, et seq.) ("CEQA"), requiring numerous discretionary approvals and agreements, and no development or project proposed for the Property shall be deemed approved until after (i) the proposed development or project is reviewed in accordance with the requirements of CEQA; (ii) any additional conditions to the development or project based on the CEQA review have been resolved in a manner reasonably acceptable to the parties to the PSA, and (iii) all required permits for the development or project have been obtained from the City and other governmental authorities with jurisdiction in accordance with applicable laws and regulations.

NOW THEREFORE BE IT RESOLVED that the City Council authorizes the City Manager to negotiate and execute a Purchase and Sale Agreement, Secured Promissory Note, and Deed of Trust between the City and AVAIO in substantial conformance with the documents presented to the City Council during a duly noticed public meeting on July 18, 2022.

BE IT FURTHER RESOLVED the City Manager is hereby authorized to negotiate and execute any and all documents and take such further actions as may be necessary or appropriate to carry out the City Council's direction pursuant to this Resolution.

BE IT FURTHER RESOLVED that this Resolution has been reviewed with respect to the applicability of the California Environmental Quality Act (Public Resources Code Section 21000 et seq.) ("CEQA"). The City Council has determined that the sale of this property does not entitle any development that would have the potential for creating a significant effect on the environment and is therefore exempt from further review under CEQA pursuant to State CEQA Guidelines Section 15060(c)(3) because it is not a project as defined by the CEQA Guidelines Section 15378. Adoption of the

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Resolution does not have the potential for resulting in either a direct physical change in the environment or a reasonably foreseeable indirect physical change in the environment. If and when a discretionary entitlement is sought, that future use and project will be analyzed at the appropriate time in accordance with CEQA.

PASSED AND ADOPTED by the City Council of the City of Pittsburg at a regular meeting on the 18th day of July 2022 by the following vote:

AYES:

Banales, Craft, Killings, Scales-Preston

NOES:

None

ABSTAINED:

None

ABSENT:

White

Holland Barrett White, Mayor

ATTEST:

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Alice E. Evenson, City Clerk

DELTA VIEW GOLF COURSE 2232 GOLF CLUB RD PITTSBURG, CA 94565

Inquiry Number: 7217262.7S

JANUARY 11, 2023

EDR Environmental Lien and AUL Search



The EDR Environmental Lien Search Report provides results from a search of available current land title records for environmental cleanup liens and other activity and use limitations, such as engineering controls and institutional controls.

A network of professional, trained researchers, following established procedures, uses client supplied address information to:

- search for parcel information and/or legal description;
- search for ownership information;
- research official land title documents recorded at jurisdictional agencies such as recorders' offices, registries of deeds, county clerks' offices, etc.;
- access a copy of the deed;
- search for environmental encumbering instrument(s) associated with the deed;
- provide a copy of any environmental encumbrance(s) based upon a review of key words in the instrument(s) (title, parties involved, and description); and
- provide a copy of the deed or cite documents reviewed.

Thank you for your business.

Please contact EDR at 1-800-352-0050 with any questions or comments.

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TARGET PROPERTY INFORMATION

ADDRESS

DELTA VIEW GOLF COURSE 2232 GOLF CLUB RD PITTSBURG, CA 94565

RESEARCH SOURCE

JUDICIAL RECORDS **NOT** SEARCHED. BASED ON AVAILABLE INFORMATION EVALUATED BY THE TITLE SEARCH PROFESSIONAL, THE JURISDICTION **DOES NOT** REQUIRE A SEARCH OF JUDICIAL RECORDS IN ORDER TO IDENTIFY ENVIRONMENTAL LIENS.

Source 1: CONTRA COSTA COUNTY RECORDER'S OFFICE

Source 2: CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY

Source 3: UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

PROPERTY INFORMATION

Legal Description:POR SECS 19 & 24 T2N R1W, 40.330 ACCurrent Owner:PITTSBURG LAND HOLDINGS, LLC

Property Identifiers: 094-080-002-2

Comments: NA

Deed 1

Type of Deed: QUIT CLAIM DEED

Title is vested in: PITTSBURG LAND HOLDINGS, LLC

Title received from: CITY OF PITTSBURG

Date Executed: 11/21/2022

Date Recorded: 11/23/2022

Book: NA

Page: NA Volume: NA

Instrument#: 2022-0177215

Docket: NA

Land Record Comments: COVENANT RESTRICTING RESIDENTIAL USE LOCATED ON ATTACHED DEED

AUL FOUND ON DEED. SEE ATTACHED DEED COPY RECORDED ON 11/23/2022

Miscellaneous Comments: NA

ENVIRONMENTAL I	LIEN
-----------------	------

Environmental Lien: Found Not Found X

Comments: NONE IDENTIFIED.

OTHER ACTIVITY AND USE LIMITATIONS (AULS)

Other AUL's: Found X Not Found

If Found:

1st Party: CITY OF PITTSBURG

2nd Party: PITTSBURG LAND HOLDINGS, LLC

 Dated:
 11/21/2022

 Recorded:
 11/23/2022

 Book:
 NA

Page: NA
Docket: NA
Volume: NA

Instrument #: 2022-0177215
Instrument Type: QUIT CLAIM DEED

COMMENTS: COVENANT RESTRICTING RESIDENTIAL USE LOCATED ON ATTACHED DEED

FOR ADDITIONAL AUL DETAILS SEE ATTACHED DEED COPY RECORDED 11/23/2022

Miscellaneous: NA

MISCELLANEOUS

Comments: NONE IDENTIFIED.

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Electronically Recorded
CONTRA COSTA Co Recorder Office
DEBORAH COOPER, Clerk-Recorder

DOC - 2022-0177215

Wednesday, Nov 23, 2022 12:02 Transfer Tax Amount: \$18457.45

19 - eRecording Partners Network LLC

Total Paid: \$18,517.45 Receipt #: 202200139160

209 / AGPC / 1-13 ⁽

RECORDING REQUESTED BY AND WHEN RECORDED MAIL TO:

Justus J. Britt Foley & Lardner LLP 555 S. Flower Street, Suite 3300 Los Angeles, CA 90071

SPACE ABOVE THIS LINE FOR RECORDER'S USE

APNs: 095-150-032; 094-080-011

095-160-001; 095-160-002; 094-090-001; 094-080-002

(The undersigned grantor declares that documentary transfer tax is \$18,457.45 computed on the consideration or value of property conveyed.)

QUITCLAIM DEED CONTAINING COVENANTS

For valuable consideration, the receipt and sufficiency of which is hereby acknowledged, THE CITY OF PITTSBURG, a municipal corporation ("Grantor"), hereby remises, releases and forever quitclaims to PITTSBURG LAND HOLDINGS, LLC, a Delaware limited liability company ("Grantee") all right, title and interest Grantor may have in and to the real property situated in the County of Contra Costa, State of California, as more particularly described in Exhibit A attached hereto, incorporated herein, and by this reference made a part hereof ("Property").

- 1. Grantee hereby agrees and covenants that the Property shall not thereafter be sold, transferred, or conveyed to, or used by, any party for residential purposes of any kind, whether single family, multi-family, mixed-use residential, or otherwise. The foregoing covenant and restriction shall run with the land to all successors and assigns.
- 2. No violation or breach of the covenants, conditions, restrictions, provisions or limitations contained in this Quitclaim Deed shall defeat or render invalid or in any way impair the lien or charge of any mortgage, deed of trust or other financing or security instrument, provided, however, that any successor of Grantee to the Property shall be bound by such remaining covenants, conditions, restrictions, limitations and provisions, whether such successor's title was acquired by foreclosure, deed in lieu of foreclosure, trustee's sale or otherwise.

see Exhibit B-Resolution

Signed in Counterpart

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3. Grantee's covenants contained in this Quitclaim Deed shall remain in effect for fifty (50) years from the date this Quitclaim Deed is recorded in the Official Records of Contra Costa County, California.

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4. Grantor is deemed the beneficiary of the terms and provisions of this Quitclaim Deed and of the covenants running with the land, and the covenants running with the land have been provided, without regard to whether Grantor has been, remains or is an owner of any interest in the Property. Grantor shall have the right, if the covenants in this Quitclaim Deed are breached, to exercise all rights and remedies, and to maintain any actions or suits at law or in equity or other proper proceedings to enforce the curing of such breaches.

[remainder of page intentionally left blank]

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IN WITNESS WHEREOF, Grantor, acting by and through its duly authorized representative, has executed and delivered this Quitclaim Deed as of the date hereinafter provided.

"GRANTOR"

Date: November 22, 2022	THE CITY OF PITTSBURG, a municipal corporation By: Name: Garrett Evans Title: City Manager
Approved as to form:	Attest:
Deren	alice & Guenson
Donna Mooney	Alice E. Evenson
City Attorney	City Clerk
	"GRANTEE"
Date:, 2022	PITTSBURG LAND HOLDINGS, LLC, a Delaware limited liability company

NOT TOF UTICIAL USE: I NIS COPY NAS NOT BEEN QUALLIT ASSURED.

By:___ Name: Its: **Signed in Counterpart**

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A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

STATE OF CALIFORNIA				
) ss			
COUNTY OF CONTRA COSTA)			

Notary Public, personally appeared _______, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

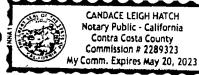
I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing is true and correct.

WITNESS my hand and official seal.

Signature

NOT TOF UTTICIAL USE : I NIS COPY NAS NOT BEEN QUALLI I ASSURED.

(Seal)



IN	WITNE	ESS WHE	REOF	, Granto	r, a	cting	by :	and	throu	gh	its	duly	authorized
representativ	ve, has	executed	and c	ielivered	this	Quite	claim	Dee	ed as	of	the	date	hereinafter
provided.													

Not for Official Use: This copy has not been QUALITY ASSURED.

		"GRANTOR"
Date:	_, 2022	THE CITY OF PITTSBURG, a municipal corporation
		By: Signed in Counterpart
		Name:
		Title:
Approved as to form:		Attest:
		Signed In Counterpart
Donna Mooney		
City Attorney		City Clerk
		"GRANTEE"
Date: 11/21	_, 2022	PITTSBURG LAND HOLDINGS, LLC, a Delaware limited liability company
		By:
		Its: Vice President

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STATE OF CONNCLLAT) ss COUNTY OF FIRE OF		
On <u>Nov</u> 21, 2022, before Notary Public, personally appeared Kevin Murphy, who pevidence to be the person whose name is subscribed to the to me that he executed the same in his authorized cap instrument the person, or the entity upon behalf of instrument.	proved to me on the the within instrument acity, and that by h	basis of satisfactory and acknowledged is signature on the
I certify under PENALTY OF PERJU		rs of the State of
WITNESS my hand and official seal. Signature	(Seal)	
	1	CHARD FAJARDO Notary Public Connecticut ion Expires Nov 30, 2026

1

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EXHIBIT "A" TO QUITCLAIM DEED

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LEGAL DESCRIPTION OF THE PROPERTY

Parcel 1:

Parcel A as shown on Parcel Map MS 677-05, filed June 10, 2005, in Book 193 of Parcel Maps, Page 39, Contra Costa County Records.

APN: 095-150-032

Parcel 2:

PARCEL ONE:

Beginning at the Southwest corner of the 13.92 acre parcel of land described and designated Parcel VI in the Deed from C.A. Hooper & Co. to Pacific Gas and Electric Company, dated December 27, 1951 and recorded in the Office of the County Recorder of said County of Contra Costa in Book 1872 of Official Records at Page 189, an running thence North 0° 10' East, along the Westerly boundary line of said 13.92 acre parcel of land; thence South 73° 11 1/2' East, along the Northerly boundary line of said 13.92 acre parcel of land, 182.03 feet; thence South 0° 19 1/2' West 718.40 feet to a point in the Southerly boundary line of said 13.92 acre parcel of land; thence South 89° 50' West, along the last mentioned boundary line, 172.41 feet, more or less, to the point of beginning; being a portion of Rancho Las Medanos.

PARCEL TWO:

A right of way for a road for ingress to and egress from Parcel One within the strip of land described as follows, to wit:

A strip of land of the uniform width of 60 feet extending from the Easterly boundary line of said 13.92 acre parcel of land Westerly to the Easterly boundary line of Parcel One hereinbefore described, and lying equally on each side of the line which begins at a point in the Easterly boundary line of said 13.92 acre parcel of land from which the Southeast corner of said 13.92 acre parcel of land bears South 0° 19 1/2' West 263.0 feet distant and runs thence South 89° 50' West, parallel with the Southerly boundary line of said 13.92 acre parcel of land, 800 feet, more or less, to the Easterly boundary line.

APN: 095-160-001

Parcel 3:

Lots 1, 2 and 3, and the Southeast 1/4 (one-fourth) of the Northwest 1/4 (one-fourth) of Section 19, Township 2 North, Range 1 Eat, Mount Diablo Base and Meridian.

EXCEPTING THEREFROM:

1. That parcel of land containing 11.42 acres, more or less, described in the Deed from John Fahy, et u, to United States of America, dated April 26, 1938 and recorded May 12, 1938 in Volume 448 of Official Records, at Page 388, as follows:

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"Beginning on the East line of the Northwest quarter of said Section 19, distant thereon North 0° 16' Eat 975.7 feet from Grant Corner Number 5 of the Rancho Los Medanos at the center of said Section 19; thence from said point of beginning South 0° 16' West 63.3 feet, along said East line; thence North 71° 11' West 1526.9 feet; thence on a curve to the right (tangent to the preceding course) with a radius of 180 feet, a distance of 169.2 feet; thence North 17° 19' West 462.4 feet; thence on a curve to the left (tangent to the preceding course) with a radius of 60 feet, a distance of 54.8 feet; thence North 69° 36' West 486.3 feet; thence South 89° 52' West 100.00 feet; thence more or less, to the Mount Meridian, which is the West line of the Northwest 1/4 of said Section 19; thence North 0° 08' West 365.8 feet, more or less, along said Meridian to Grant Corner Number 7 of the Rancho Los Medanos, which is the Northwest corner of said Section 19; thence North 89° 44' East 101.0 feet, along said line; thence South 0° 16' East 100.0 feet; thence South 25° 44' East 135.6 feet; thence South 52° 47' East 103.7 feet; thence South 69° 36' East 457.8 feet; thence South 17° 19' East 542.3 feet; thence South 49° 04' East 106.2 feet; thence South 71° 11' East 600.0 feet; thence South 78° 02' East 503.6 feet; thence South 66° 55' East 268.8 feet; more or less, to the East lien of said Northwest quarter of Section 19; thence South 0° 16' West 126.6 feet, more or less, along said line to the point of beginning.

ALSO EXCEPTING THEREFROM:

That portion thereof described in the Deed to Pacific Gas and Electric Company recorded September 19, 1952, Book 1994, Page 129.

ALSO EXCEPTING THEREFROM:

That portion thereof described in the Deed to the City of Pittsburg recorded December 8, 1960, Book 3759, Official Records, Page 1.

ALSO EXCEPTING THEREFROM:

That portion thereof lying Southerly of the Northeasterly boundary line of the Contra Costa Canal.

APN: 095-160-002

Parcel 4:

Parcel 2 of Parcel Map Waiver No. 22-08 recorded as Document 20220154772 of Contra Costa County Official Records, more specifically described as:

Real property situate in the City of Pittsburg, County of Contra Costa, State of California described as follows:

Being a portion of the parcel of land described in the Quitclaim Deed to the City of Pittsburg recorded in Liber 3759, Page 1 (3759 OR 1), a portion of the parcel of land described in the Grant Deeds to City of Pittsburg recorded in Book 593, Page 262 and in Book 1994, Page 122, all of Official Records of Contra Costa County and more particularly described as follows:

Beginning at most southeasterly corner of said City parcel (1994 or 122), thence along the southeasterly and southerly lines of last said parcel the following three (3) courses;

- 1) North 88°45'56" West 299.81 feet;
- 2) South 30°05'04" West 516.81 feet; and
- 3) North 88°45'56" West 839.89 feet;

thence across said City parcels the following five (5) courses:

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- 1) North 36°24'11" East 1355.52 feet;
- 2) North 29°23'26" West 440.78 feet;
- 3) North 81°37'36" West 614.39 feet;
- 4) North 80°27'20" West 40.13 feet; and
- 5) North 00°47'17" East 1585.73 feet;

to the generally northeasterly line of said City parcel (3759 OR 1), last said line also being the southwesterly line of the parcel of land described in the Grant Deed to the United States of America recorded in Book 448, Page 388, Official Records of Contra Costa County; thence along last said line, last said line also being said northeasterly line of said City parcel (3759 OR 1) and the northeasterly line of said City parcel (593 OR 262) the following six (6) courses:

- 1) South 89°12'43" East 99.94 feet;
- 2) South 68°40'43" East 486.30 feet;
- 3) along a tangent curve to the right having a radius of 60.00 feet, a central angle of 52°17'00" and an arc length of 54.75 feet;
- 4) South 16°23'43" East 462.40 feet;
- 5) along a tangent curve to the left having a radius of 180.00 feet, a central angle of 53°50'56" and an arc length of 169.17 feet; and
- 6) South 70°15'58" East 681.48 feet;

to the easterly line of said City parcel (593 OR 262); thence along last said line and the easterly of said City parcel (1994 OR 122) South 01°12'49" West 1725.07 feet to the Point of Beginning.

Containing a land area of 2,893,875 square feet (66.43 acres), more or less.

END OF DESCRIPTION

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Exhibit B

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In the Matter of:

Approving a Purchase and Sale Agreement)					
between the City of Pittsburg and					
Pittsburg Land Holdings LLC					

RESOLUTION NO. 22-14126

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WHEREAS, on June 5, 2018, the City and Energy Delivery Solutions LLC ("EDS") entered into an Option Agreement to transfer and sell the Property to EDS; and

WHEREAS, pursuant to Section 1 of the Option Agreement, the City granted an exclusive option to EDS to purchase the Property, with a five-year term to exercise the option; and

WHEREAS, on October 8, 2019, the City and EDS amended the Option Agreement, to extend the period for exercising the option through June 4, 2028; and

WHEREAS, in early 2022, Pittsburg Land Holdings LLC, a subsidiary of AVAIO Digital Partners I LLC ("AVAIO" or "Buyer") acquired the assets of EDS, and the City executed a novation agreement allowing the assignment of the ENRA and Option Agreement to AVAIO; and

WHEREAS, pursuant to Section 54234(a)(1) of the Surplus Land Act, and the California Department of Housing and Community Development's (HCD) Surplus Land Act Guidelines, if a local agency, as of September 30, 2019, has entered into a legally binding agreement to dispose of property, and the disposition of the property is completed by December 31, 2022, the local agency is exempt from Articles II and III of the Surplus Land Act Guidelines; and

WHEREAS, the Property was subject to a legally binding agreement for its disposal prior to September 30, 2019, and the City desires to complete the disposition of the Property to EDS's successor in interest prior to December 31, 2022; and

WHEREAS, on February 7, 2022, the City Council adopted Resolution No. 22-14051, declaring the Property as Exempt Surplus Land Under California Government Code Section 54234(a)(1); and

WHEREAS, on March 9, 2022, HCD responded to the City concurring with the City Council's determination; and

N

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BEFORE THE CITY COUNCIL OF THE CITY OF PITTSBURG

In the Matter of:

Approving a Purchase and Sale Agreement) RESOLUTION NO. 22-14126
between the City of Pittsburg and)
Pittsburg Land Holdings LLC	

WHEREAS, the City of Pittsburg ("City" or "Seller") is the owner of real property at or in the vicinity of the Delta View Golf Course in Pittsburg, California. The parcels total approximately 101.70 acres, and is comprised of land on the following Assessor's Parcel Numbers: 095-150-032, 094-080-011, 095-160-001, 095-160-002, 094-090-001, 094-080-002 (collectively, the "Property"); and

WHEREAS, on June 5, 2018, the City and Energy Delivery Solutions LLC ("EDS") entered into an Option Agreement to transfer and sell the Property to EDS; and

WHEREAS, pursuant to Section 1 of the Option Agreement, the City granted an exclusive option to EDS to purchase the Property, with a five-year term to exercise the option; and

WHEREAS, on October 8, 2019, the City and EDS amended the Option Agreement, to extend the period for exercising the option through June 4, 2028; and

WHEREAS, in early 2022, Pittsburg Land Holdings LLC, a subsidiary of AVAIO Digital Partners I LLC ("AVAIO" or "Buyer") acquired the assets of EDS, and the City executed a novation agreement allowing the assignment of the ENRA and Option Agreement to AVAIO; and

WHEREAS, pursuant to Section 54234(a)(1) of the Surplus Land Act, and the California Department of Housing and Community Development's (HCD) Surplus Land Act Guidelines, if a local agency, as of September 30, 2019, has entered into a legally binding agreement to dispose of property, and the disposition of the property is completed by December 31, 2022, the local agency is exempt from Articles II and III of the Surplus Land Act Guidelines; and

WHEREAS, the Property was subject to a legally binding agreement for its disposal prior to September 30, 2019, and the City desires to complete the disposition of the Property to EDS's successor in interest prior to December 31, 2022; and

WHEREAS, on February 7, 2022, the City Council adopted Resolution No. 22-14051, declaring the Property as Exempt Surplus Land Under California Government Code Section 54234(a)(1); and

WHEREAS, on March 9, 2022, HCD responded to the City concurring with the City Council's determination; and

WHEREAS, in connection with this Purchase and Sale Agreement ("PSA"), Seller has agreed to provide seller carryback financing to Buyer, in the principal amount of Sixteen Million Seven Hundred Seventy-Nine Thousand Three Hundred Twenty-Seven Dollars and Forty-One Cents (\$16,779,327.41), under the terms and conditions set forth in a Secured Promissory Note ("Carryback Loan"). The Carryback Loan shall be evidenced by a Secured Promissory Note substantially in the form attached as Exhibit B to the PSA ("Note"). The Note shall be secured by a first position Deed of Trust, Assignment of Rents, Security Agreement and Fixture Filing with the City as beneficiary, substantially in the form attached as Exhibit C to the PSA ("Deed of Trust"), to be recorded in the Official Records of Contra Costa County, encumbering the Property described in the Deed of Trust, to secure the repayment of the Carryback Loan and the performance of the other obligations set forth in the Note and the Deed of Trust; and

WHEREAS, nothing in the proposed PSA, Note, or Deed of Trust constitutes a commitment by Seller to approve any land use entitlements, approvals or permits of any development or project that Buyer may propose for the Property, including, but not limited to the "Project" as defined in the Option Agreement. Any such development or project on the Property shall be subject to environmental review under the California Environmental Quality Act (Pubic Resources Code Section 21000, et seq.) ("CEQA"), requiring numerous discretionary approvals and agreements, and no development or project proposed for the Property shall be deemed approved until after (i) the proposed development or project is reviewed in accordance with the requirements of CEQA; (ii) any additional conditions to the development or project based on the CEQA review have been resolved in a manner reasonably acceptable to the parties to the PSA, and (iii) all required permits for the development or project have been obtained from the City and other governmental authorities with jurisdiction in accordance with applicable laws and regulations.

NOW THEREFORE BE IT RESOLVED that the City Council authorizes the City Manager to negotiate and execute a Purchase and Sale Agreement, Secured Promissory Note, and Deed of Trust between the City and AVAIO in substantial conformance with the documents presented to the City Council during a duly noticed public meeting on July 18, 2022.

BE IT FURTHER RESOLVED the City Manager is hereby authorized to negotiate and execute any and all documents and take such further actions as may be necessary or appropriate to carry out the City Council's direction pursuant to this Resolution.

BE IT FURTHER RESOLVED that this Resolution has been reviewed with respect to the applicability of the California Environmental Quality Act (Public Resources Code Section 21000 et seq.) ("CEQA"). The City Council has determined that the sale of this property does not entitle any development that would have the potential for creating a significant effect on the environment and is therefore exempt from further review under CEQA pursuant to State CEQA Guidelines Section 15060(c)(3) because it is not a project as defined by the CEQA Guidelines Section 15378. Adoption of the

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Resolution does not have the potential for resulting in either a direct physical change in the environment or a reasonably foreseeable indirect physical change in the environment. If and when a discretionary entitlement is sought, that future use and project will be analyzed at the appropriate time in accordance with CEQA.

PASSED AND ADOPTED by the City Council of the City of Pittsburg at a regular meeting on the 18th day of July 2022 by the following vote:

AYES:

Banales, Craft, Killings, Scales-Preston

NOES:

None

ABSTAINED:

None

ABSENT:

White

Holland Barrett White, Mayor

ATTEST:

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Alice E. Evenson, City Clerk

Delta View Golf Course 2232 Golf Club Rd PITTSBURG, CA 94565

Inquiry Number: 7217262.6 January 04, 2023

The EDR Property Tax Map Report



EDR Property Tax Map Report

Environmental Data Resources, Inc.'s EDR Property Tax Map Report is designed to assist environmental professionals in evaluating potential environmental conditions on a target property by understanding property boundaries and other characteristics. The report includes a search of available property tax maps, which include information on boundaries for the target property and neighboring properties, addresses, parcel identification numbers, as well as other data typically used in property location and identification.

NO COVERAGE

Thank you for your business.

Please contact EDR at 1-800-352-0050 with any questions or comments.

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This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OR DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT. Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction orforecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

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Delta View Golf Course 2232 Golf Club Rd PITTSBURG, CA 94565

Inquiry Number: 7217262.8 January 04, 2023

EDR Building Permit Report

Target Property and Adjoining Properties

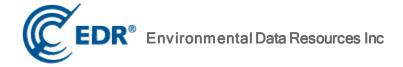


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About This Report
Executive Summary
Findings
Glossary

Thank you for your business.Please contact EDR at 1-800-352-0050 with any questions or comments.

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This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OR DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT. Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction orforecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

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EDR BUILDING PERMIT REPORT

About This Report

The EDR Building Permit Report provides a practical and efficient method to search building department records for indications of environmental conditions. Generated via a search of municipal building permit records gathered from more than 1,600 cities nationwide, this report will assist you in meeting the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

Building permit data can be used to identify current and/or former operations and structures/features of environmental concern. The data can provide information on a target property and adjoining properties such as the presence of underground storage tanks, pump islands, sumps, drywells, etc., as well as information regarding water, sewer, natural gas, electrical connection dates, and current/former septic tanks.

ASTM and EPA Requirements

ASTM E 1527-13 lists building department records as a "standard historical source," as detailed in § 8.3.4.7: "Building Department Records - The term building department records means those records of the local government in which the property is located indicating permission of the local government to construct, alter, or demolish improvements on the property." ASTM also states that "Uses in the area surrounding the property shall be identified in the report, but this task is required only to the extent that this information is revealed in the course of researching the property itself."

EPA's Standards and Practices for All Appropriate Inquires (AAI) states: "§312.24: Reviews of historical sources of information. (a) Historical documents and records must be reviewed for the purposes of achieving the objectives and performance factors of §312.20(e) and (f). Historical documents and records may include, but are not limited to, aerial photographs, fire insurance maps, building department records, chain of title documents, and land use records."

Methodology

EDR has developed the EDR Building Permit Report through our partnership with BuildFax, the nation's largest repository of building department records. BuildFax collects, updates, and manages building department records from local municipal governments. The database now includes 30 million permits, on more than 10 million properties across 1,600 cities in the United States.

The EDR Building Permit Report comprises local municipal building permit records, gathered directly from local jurisdictions, including both target property and adjoining properties. Years of coverage vary by municipality. Data reported includes (where available): date of permit, permit type, permit number, status, valuation, contractor company, contractor name, and description.

Incoming permit data is checked at seven stages in a regimented quality control process, from initial data source interview, to data preparation, through final auditing. To ensure the building department is accurate, each of the seven quality control stages contains, on average, 15 additional quality checks, resulting in a process of approximately 105 quality control "touch points."

For more information about the EDR Building Permit Report, please contact your EDR Account Executive at (800) 352-0050.





As earch of building department records was conducted by Environmental Data Resources, Inc (EDR) on behalf of WSP USA Inc. on Jan 04, 2023.

TARGET PROPERTY

2232 Golf Club Rd PITTSBURG, CA 94565

SEARCH METHODS

EDR searches available lists for both the Target Property and Surrounding Properties.

RESEARCH SUMMARY

Building permits identified: YES

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

<u>Pittsburg</u>

<u>Year</u>	<u>Source</u>	<u>TP</u>	<u>Adjoining</u>
2021	City of Pittsburg, Devel Services, Building Division		X
2020	City of Pittsburg, Devel Services, Building Division		
2019	City of Pittsburg, Devel Services, Building Division		
2018	City of Pittsburg, Devel Services, Building Division		Х
2017	City of Pittsburg, Devel Services, Building Division		Χ
2016	City of Pittsburg, Devel Services, Building Division		X
2015	City of Pittsburg, Devel Services, Building Division		
2014	City of Pittsburg, Devel Services, Building Division		Х
2013	City of Pittsburg, Devel Services, Building Division		Χ
2012	City of Pittsburg, Devel Services, Building Division		
2011	City of Pittsburg, Devel Services, Building Division		
2010	City of Pittsburg, Devel Services, Building Division		
2009	City of Pittsburg, Devel Services, Building Division		
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1997	City of Pittsburg, Devel Services, Building Division		
1996	City of Pittsburg, Devel Services, Building Division		
1995	City of Pittsburg, Devel Services, Building Division		
1994	City of Pittsburg, Devel Services, Building Division		

<u>Year</u>	<u>Source</u>	<u>TP</u>	<u>Adjoining</u>
1993	City of Pittsburg, Devel Services, Building Division		
1992	City of Pittsburg, Devel Services, Building Division		
1991	City of Pittsburg, Devel Services, Building Division		
1990	City of Pittsburg, Devel Services, Building Division		
1989	City of Pittsburg, Devel Services, Building Division		
1988	City of Pittsburg, Devel Services, Building Division		
1987	City of Pittsburg, Devel Services, Building Division		
1986	City of Pittsburg, Devel Services, Building Division		
1985	City of Pittsburg, Devel Services, Building Division		
1984	City of Pittsburg, Devel Services, Building Division		
1983	City of Pittsburg, Devel Services, Building Division		
1982	City of Pittsburg, Devel Services, Building Division		

Contra Costa County

<u>Year</u>	Source	<u>TP</u>	<u>Adjoining</u>
2022	Contra Costa County, Public Works Services		
2021	Contra Costa County, Public Works Services		
2020	Contra Costa County, Public Works Services		
2019	Contra Costa County, Public Works Services		
2018	Contra Costa County, Public Works Services		
2017	Contra Costa County, Public Works Services		
2016	Contra Costa County, Public Works Services		
2015	Contra Costa County, Public Works Services		
2014	Contra Costa County, Public Works Services		
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2001	Contra Costa County, Public Works Services		
2000	Contra Costa County, Public Works Services		
1999	Contra Costa County, Public Works Services		
1998	Contra Costa County, Public Works Services		
1997	Contra Costa County, Public Works Services		
1996	Contra Costa County, Public Works Services		
1995	Contra Costa County, Public Works Services		
1994	Contra Costa County, Public Works Services		

<u>Year</u>	Source	<u>TP</u>	<u>Adjoining</u>
1993	Contra Costa County, Public Works Services		
1992	Contra Costa County, Public Works Services		
1991	Contra Costa County, Public Works Services		
1990	Contra Costa County, Public Works Services		
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1952	Contra Costa County, Public Works Services		
1951	Contra Costa County, Public Works Services		
1950	Contra Costa County, Public Works Services		
1949	Contra Costa County, Public Works Services		

<u>Year</u>	<u>Source</u>	<u>TP</u>	<u>Adjoining</u>
1948	Contra Costa County, Public Works Services		
1947	Contra Costa County, Public Works Services		
1946	Contra Costa County, Public Works Services		
1945	Contra Costa County, Public Works Services		
1944	Contra Costa County, Public Works Services		
1943	Contra Costa County, Public Works Services		
1942	Contra Costa County, Public Works Services		
1941	Contra Costa County, Public Works Services		
1940	Contra Costa County, Public Works Services		
1939	Contra Costa County, Public Works Services		
1938	Contra Costa County, Public Works Services		

Name: JurisdictionName

Years: Years Source: Source Phone: Phone

BUILDING DEPARTMENT RECORDS SEARCHED

Name: Contra Costa County

Years: 1938-2022

Source: Contra Costa County, Public Works Services, PITTSBURG, CA

Phone: (925) 335-1360

Name: Pittsburg Years: 1982-2021

Source: City of Pittsburg, Devel Services, Building Division, PITTSBURG, CA

Phone: (925) 252-4910

TARGET PROPERTY FINDINGS

TARGET PROPERTY DETAIL

2232 Golf Club Rd PITTSBURG, CA 94565

No Permits Found

ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

GOLF CLUB CT

2 GOLF CLUB CT

Date: 4/19/2018
Permit Type: bealrp

Description: INSTALLATION OF ROOF MOUNT SOLAR PANELS

Permit Description: **ELECTRICAL ALTERATION & REPAIR**

Work Class: Proposed Use:

Permit Number: BP-18-0516 Status: final Valuation: \$0.00

Contractor Company:

Contractor Name: GRID ALTERNATIVES

Date: 8/16/2016
Permit Type: bwindw

Description: REPLACE TWENTY-ONE (21) WINDOWS LIKE FOR LIKE

Permit Description: WINDOW PERMIT

Work Class: Proposed Use:

Permit Number. BP-16-1016 Status: final

Valuation: \$0.00

 $Contractor\,Com\,pany.$

Contractor Name: EFFICIENT ENERGY SOLUTIONS

Date: 8/9/2016
Permit Type: bmalrp

Description: REPLACE FURNACE AND AC AND COIL

Permit Description: MECHANICAL ALTERATION & REPAIR

Work Class: Proposed Use:

Permit Number. BP-16-0973 Status: final

Valuation: \$0.00

Contractor Company:

Contractor Name: CALIFORNIA ENERGY SERVICES

Date: 1/7/2014
Permit Type: bplatt

Description: REPLACE WATER HEATER

Permit Description: PLUMBING ALTERATION & REPAIR

Work Class: Proposed Use:

Permit Number. BP-14-0012 Status: final Valuation: \$0.00

Contractor Company:

Contractor Name: PLUMBING SOLUTIONS

GOLF CLUB RD

2210 GOLF CLUB RD

Date: 3/30/2021
Permit Type: bealrp

Description: INSTALLATION OF ROOF MOUNT SOLAR PANELS - 8.16 KW, NEW BATTERY

Permit Description: **ELECTRICAL ALTERATION & REPAIR**

Work Class: Proposed Use:

Permit Number: BP-21-0539
Status: issued
Valuation: \$0.00

Contractor Company:

Contractor Name: TESLA ENERGY OPERATIONS INC

Date: 2/26/2013
Permit Type: badres

Description: ADDITION OF 498 SQ FT FAMILY ROOM AND LIVING AREA AND A 332 SQ FT PATIO

ENCLOSURE

*****12/7/17: PAID 1/2 FEES TO REINSTATE THE EXPIRED BUILDING PERMIT*****

Permit Description: BUILDING ADDITION RESIDENTIAL

Work Class: Proposed Use:

Permit Number: BP-13-0115 Status: issued Valuation: \$0.00

Contractor Company:

Contractor Name: BADHAN NARINDER

2212 GOLF CLUB RD

Date: 2/28/2018
Permit Type: bwindw

Description: REPLACE (1) WINDOW

Permit Description: WINDOW PERMIT

Work Class: Proposed Use:

Permit Number. BP-18-0298

Status: final Valuation: \$0.00

Contractor Company:

Contractor Name: SEARS HOME IMPROVEMENT PROD.

Date: 12/2/2002

Permit Type: Building/Residential/AD/Single Family Addition
Description: FAMILY ROOM ADDITION. CITY OF PITTSBURG.

Permit Description:

Work Class: Single Family Addition

Proposed Use:

Permit Number: BI333548
Status: PLAN CHK
Valuation: \$0.00

Contractor Company: Contractor Name:

2216 GOLF CLUB RD

Date: 8/1/2017
Permit Type: beairp

Description: INSTALLATION OF ROOF MOUNT SOLAR PANELS; NEW SUBPANEL

Permit Description: **ELECTRICAL ALTERATION & REPAIR**

Work Class: Proposed Use:

Permit Number: BP-17-0889

Status: final Valuation: \$0.00

Contractor Company:

Contractor Name: NEXUS ENERGY

Date: 12/20/2013
Permit Type: bmalrp

Description: R&R FURNACE & A/C SPLIT SYSTEM

Permit Description: MECHANICAL ALTERATION & REPAIR

Work Class: Proposed Use:

Permit Number: BP-13-1281 Status: final Valuation: \$0.00

Contractor Company:

Contractor Name: SERVICE CHAMPIONS

2220 GOLF CLUB RD

Date: 8/10/2016
Permit Type: bplalt

Description: INSTALL GAS LINE TO FIRE PLACE

Permit Description: PLUMBING ALTERATION & REPAIR

Work Class: Proposed Use:

Permit Number: BP-16-0979

Status: final Valuation: \$0.00

Contractor Company:

Contractor Name: JACK'S REMODELING INC.

Date: 5/25/2016
Permit Type: bmalrp

Description: REPLACE FURNACE & A/C

Permit Description: MECHANICAL ALTERATION & REPAIR

Work Class: Proposed Use:

Permit Number. BP-16-0652 Status: final

Valuation: \$0.00

Contractor Company:

Contractor Name: HADDON HEATING AND COOLING

GLOSSARY

General Building Department concepts

- ICC: The International Code Council. The governing body for the building/development codes used by all jurisdictions who've adopted the ICC guidelines. MOST of the US has done this. Canada, Mexico, and other countries use ICC codes books and guides as well. There are a few states who have added guidelines to the ICC codes to better fit their needs. For example, California has added seismic retrofit requirements for most commercial structures.
- Building Department (Permitting Authority, Building Codes, Inspections Department, Building and Inspections): This is the department in a jurisdiction where an owner or contractor goes to obtain permits and inspections for building, tearing down, remodeling, adding to, re-roofing, moving or otherwise making changes to any structure, Residential or Commercial.
- Jurisdiction: This is the geographic area representing the properties over which a Permitting Authority has responsibility.
- GC: General Contractor. Usually the primary contractor hired for any Residential or Commercial construction work.
- **Sub:** Subordinate contracting companies or subcontractors. Usually a "trades" contractor working for the GC. These contractors generally have an area of expertise in which they are licensed like Plumbing, Electrical, Heating and Air systems, Gas Systems, Pools etc. (called "trades").
- **Journeymen:** Sub contractors who have their own personal licenses in one or more trades and work for different contracting companies, wherever they are needed or there is work.
- HVAC (Mechanical, Heating & Air companies): HVAC = Heating, Ventilation, and Air Conditioning.
- ELEC (Electrical, TempPole, TPole, TPower, Temporary Power, Panel, AMP Change, Power Release):

 Electrical permits can be pulled for many reasons. The most common reason is to increase the AMPs of power in an electrical power panel. This requires a permit in almost every jurisdiction. Other commons reason for Electrical permits is to insert a temporary power pole at a new construction site. Construction requires electricity, and in a new development, power has yet to be run to the lot. The temporary power pole is usually the very first permit pulled for new development. The power is released to the home owner when construction is complete and this sometimes takes the form of a Power Release permit or inspection.
- "Pull" a permit: To obtain and pay for a building permit.
- **CBO:** Chief Building Official
- Planning Department: The department in the development process where the building /structural plans are reviewed for their completeness and compliance with building codes
- **Zoning Department:** The department in the development process where the site plans are reviewed for their compliance with the regulations associated with the zoning district in which they are situated.
- **Zoning District:** A pre-determined geographic boundary within a jurisdiction where certain types of structures are permitted / prohibited. Examples are Residential structure, Commercial/Retail structures, Industrial/Manufacturing structures etc. Each zoning district has regulations associated with it like the sizes of the lots, the density of the structures on the lots, the number of parking spaces required for certain types of structures on the lots etc.
- PIN (TMS, GIS ID, Parcel#): Property Identification Number and Tax Map System number.
- State Card (Business license): A license card issued to a contractor to conduct business.
- **Building Inspector (Inspector):** The inspector is a building department employee that inspects building construction for compliance to codes.
- **C.O.:** Certificate of Occupancy. This is the end of the construction process and designates that the owners now have permission to occupy a structure after its building is complete. Sometimes also referred to as a Certificate of Compliance.

GLOSSARY

Permit Content Definitions

- Permit Number: The alphanumerical designation assigned to a permit for tracking within the building department system. Sometimes the permit number gives clues to its role, e.g. a "PL" prefix may designate a plumbing permit.
- Description: A field on the permit form that allows the building department to give a brief description of the work being done. More often than not, this is the most important field for EP's to find clues to the prior use (s) of the property.
- Permit Type: Generally a brief designation of the type of job being done. For example BLDG-RES, BLDG-COM, ELEC, MECH etc.

Sample Building Permit Data

Date: Nov 09, 2000 Permit Type: Bldg -

New Permit Number: 101000000405 Status: Valuation: \$1,000,000.00

Contractor Company: OWNER-BUILDER

Contractor Name:

Description: New one store retail (SAV-ON) with drive-thru pharmacy. Certificate of Occupancy.

APPENDIX

PHOTOGRAPHS



	PHOTOGRAPHIC LOG	
AVAIO CAPITAL	2222-2242 Golf Club Rd	31405786.000
	Pittsburg, California	

Photo No. Date
November 16,
2022
Site Entrance, Parking Lot and

Access Road



Photo No. Date
November 16,
2022

PG&E Transmission Corridor adjoining the subject property. Facing South.





	PHOTOGRAPHIC LOG	
AVAIO CAPITAL	2222-2242 Golf Club Rd	31405786.000
	Pittsburg, California	

Photo No.

3

November 16,
2022

Undulating hills at subject property.

Undulating hills at subject property.

Facing East / Northeast.



Photo No.

Date

November 16,
2022

Well box at subject property.





	PHOTOGRAPHIC LOG	
AVAIO CAPITAL	2222-2242 Golf Club Rd	31405786.000
	Pittsburg, California	

Photo No. Date

November 16,
2022

Well box at subject property.



Photo No. Date

November 16,
2022

Well box at subject property.





	PHOTOGRAPHIC LOG	
AVAIO CAPITAL	2222-2242 Golf Club Rd	31405786.000
	Pittsburg, California	

Photo No. Date
November 16,
2022
Aboveground Storage Tank.



Photo No. Date

8 November 16,
2022

Aboveground storange tank and
utility box.





	PHOTOGRAPHIC LOG	
AVAIO CAPITAL	2222-2242 Golf Club Rd	31405786.000
	Pittsburg, California	

Photo No.

9

November 16,
2022

Culverts.



Photo No. Date
November 16,
2022
Parking area. Facing North





	PHOTOGRAPHIC LOG	
AVAIO CAPITAL	2222-2242 Golf Club Rd	31405786.000
	Pittsburg, California	

Photo No. Date
November 16,
2022

Former building sites, now

demolished.



Photo No. Date
November 16,
2022

Former driving range, apparent

Former driving range, apparent burned debris.



APPENDIX

QUALIFICATIONS



RICK FREUDENBERGER. PE

Executive Vice President



Years with the firm

34

Years total

47

Professional qualifications

Professional Engineer, Maryland, 1978 (11206)

Formerly Professional Engineer certifications in, New York, Virginia, Georgia, Kentucky, Indiana, Minnesota.

Formerly Maryland **Certified Wastewater Treatment Plant Operator**

Former Diplomate of the American Academy of **Environmental Engineers**

Areas of practice

RCRA and CERCLA Remediation oversight

Due Diligence

Expert Witness

Languages

English

CAREER SUMMARY

Rick Freudenberger has over 45 years of experience in performing environmental assessments and remedial investigations, in waste treatment process design, and in technical management programs.

EDUCATION

M.S., Environmental Engineering, University of Maryland, Baltimore, Maryland	1972
B.S., Civil Engineering, University of Maryland, Baltimore, Maryland	1971

ADDITIONAL TRAINING

OSHA Hazardous Waste Operations Training

1987

PROFESSIONAL EXPERIENCE

- Investigations and Corrective Action, City of Industry, California, (1992 2018): project manager for a wide variety of investigations and remediation activities at a lead battery recycling operation for over 25 years. Client: Revere Smelting & Refining Corporation. Project Value: Confidential.
- LDW Superfund Site, Seattle, Washington, (2017-18): Technical expert witness in allocation process for Superfund site. Client: Morgan. Lewis & Bockius, LLP. Project Value: Confidential.
- Taylor Yard G2 Site Development, Los Angeles, California, (2017 2018): managing investigation and subsequent remedial actions for major park redevelopment project. Client: City of Los Angeles. Project Value: Confidential. (estimated)
- Investigations and Corrective Action, Indianapolis, Indiana, (1992 2018): project manager for a wide variety of investigations and remediation activities at a lead battery recycling operation. Client: Revere Smelting & Refining Corporation. Project Value: Confidential.
- Groundwater Remediation, Santa Clarita, California, (2007-2015): managed investigation and remediation of groundwater by chemical injection Client: Archon Project Value: Confidential.
- Environmental Due Diligence, Palo Alto, California, (2010-2018): Managed due diligence and investigation activities for a major developer Client: Sand Hill Property Company. Project Value: Confidential.
- General Manager, San Jose, California, (1990-2015): responsible for managing up to 10 environmental professional in the WSP San Jose office in a variety of environmental projects including Phase I assessments, environmental audits, storm water/construction dewatering projects, and investigation/remediation projects for contaminated soils and groundwater. Client: Various clients Project Value: Confidential.
- Investigations and Corrective Actions, Northern and Southern California, (2004-2014): project manager for two sites for investigation and remediation of soils and groundwater contaminated with PCBs. Client: CBS Corporation. Project Value: Confidential.

APPENDIX

G LABORATORY REPORTS



McCampbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 2212C57

Report Created for: WSP USA Corp

2570 N. First Street San Jose, CA 94085

Project Contact: Xin Jiang "XJ" Project P.O.: 31405786.000-1

Project: 31405786.000; Pittsburg Data Center

Project Received: 12/15/2022

Analytical Report reviewed & approved for release on 12/27/2022 by:

Jena Alfaro

Project Manager

The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested. Results reported conform to the most current NELAP standards, where applicable, unless otherwise stated in a case narrative.



1534 Willow Pass Rd. Pittsburg, CA 94565 ♦ TEL: (877) 252-9262 ♦ FAX: (925) 252-9269 ♦ www.mccampbell.com

CA ELAP 1644 ♦ NELAP 4033 ORELAP

Glossary of Terms & Qualifier Definitions

Client: WSP USA Corp WorkOrder: 2212C57

Project: 31405786.000; Pittsburg Data Center

Glossary Abbreviation

%D Serial Dilution Percent Difference

95% Interval 95% Confident Interval

CPT Consumer Product Testing not NELAP Accredited

DF Dilution Factor

DI WET (DISTLC) Waste Extraction Test using DI water

DISS Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)

DLT Dilution Test (Serial Dilution)

DUP Duplicate

EDL Estimated Detection Limit

ERS External reference sample. Second source calibration verification.

ITEF International Toxicity Equivalence Factor

LCS Laboratory Control Sample
LQL Lowest Quantitation Level

MB Method Blank

MB % Rec % Recovery of Surrogate in Method Blank, if applicable

MDL is the minimum measured concentration of a substance that can be reported with 99% confidence that the

measured concentration is distinguishable from method blank results. Definition and Procedure for the Determination of the Method Detection Limit, Revision 2, 40CFR, Part 136, Appendix B, EPA 821-R-16-006,

December 2016.

ML Minimum Level of Quantitation

MS Matrix Spike

MSD Matrix Spike Duplicate

NA Not Applicable

ND Not detected at or above the indicated MDL or RL

NR Data Not Reported due to matrix interference or insufficient sample amount.

PDS Post Digestion Spike

PDSD Post Digestion Spike Duplicate

PF Prep Factor

RD Relative Difference

RL Reporting limit is the lowest level that can be reliably determined within specified limits of precision and accuracy

during routine laboratory operating conditions. (The RL cannot be lower than the lowest calibration standard

used in the initial calibration of the instrument and must be greater than the MDL.)

RPD Relative Percent Deviation
RRT Relative Retention Time

SPK Val Spike Value

SPKRef Val Spike Reference Value

SPLP Synthetic Precipitation Leachate Procedure

ST Sorbent Tube

TCLP Toxicity Characteristic Leachate Procedure

TEQ Toxicity Equivalents

TZA TimeZone Net Adjustment for sample collected outside of MAI's UTC.

WET (STLC) Waste Extraction Test (Soluble Threshold Limit Concentration)

Glossary of Terms & Qualifier Definitions

Client: WSP USA Corp WorkOrder: 2212C57

Project: 31405786.000; Pittsburg Data Center

Analytical Qualifiers

J	Result is less than the RL/ML but greater than the MDL. The reported concentration is an estimated value.
Р	Agreement between the quantitative dual-column confirmation results exceed method recommended limits of 40% RPD. The lowest concentration is reported.
S	Surrogate recovery outside accepted recovery limits.
a2	Sample diluted due to cluttered chromatogram.
a3	Sample diluted due to high organic content interfering with quantitative/or qualitative analysis.
c4	$Surrogate\ recovery\ outside\ of\ the\ control\ limits\ due\ to\ coelution\ with\ another\ peak (s)\ /\ cluttered\ chromatogram.$
d9	No recognizable pattern
e2	Diesel range compounds are detected; no recognizable pattern
e7	Oil range compounds are detected.

Detection Summary

Client: WSP USA Corp WorkOrder: 2212C57

Project: 31405786.000; Pittsburg Data Center

 Client ID:
 WSP-PDC-01-0
 Lab ID:
 2212C57-001A

 Date Collected:
 12/14/2022 14:50
 Matrix:
 Soil

Date Received: 12/15/2022 15:50

Analyte	Result	Qual	RL	MDL	DF	Unit	ExtType/ Method CleanUp
Antimony	0.34	J	0.50	0.12	1	mg/Kg	SW6020
Arsenic	4.7		0.50	0.11	1	mg/Kg	SW6020
Barium	120		5.0	0.71	1	mg/Kg	SW6020
Beryllium	0.45	J	0.50	0.10	1	mg/Kg	SW6020
Cadmium	0.17	J	0.50	0.092	1	mg/Kg	SW6020
Chromium	21		0.50	0.13	1	mg/Kg	SW6020
Cobalt	7.1		0.50	0.064	1	mg/Kg	SW6020
Copper	17		0.50	0.13	1	mg/Kg	SW6020
Lead	7.7		0.50	0.065	1	mg/Kg	SW6020
Mercury	0.038	J	0.050	0.038	1	mg/Kg	SW6020
Molybdenum	1.0		0.50	0.092	1	mg/Kg	SW6020
Nickel	19		0.50	0.080	1	mg/Kg	SW6020
Silver	0.077	J	0.50	0.057	1	mg/Kg	SW6020
Thallium	0.086	J	0.50	0.072	1	mg/Kg	SW6020
Vanadium	47		0.50	0.11	1	mg/Kg	SW6020
Zinc	55		5.0	2.5	1	mg/Kg	SW6020
TPH-Diesel (C10-C23)	2.3		2.0	1.2	1	mg/Kg	SW8015B
TPH-Motor Oil (C18-C36)	7.8	J	10	5.0	1	mg/Kg	SW8015B

 Client ID:
 WSP-PDC-01-5
 Lab ID:
 2212C57-002A

 Date Collected:
 12/14/2022 15:10
 Matrix:
 Soil

Date Received: 12/15/2022 15:50

Analyte	Result	Qual	RL	MDL	DF	Unit	ExtType/ Method CleanUp
Antimony	0.35	J	0.50	0.12	1	mg/Kg	SW6020
Arsenic	4.6		0.50	0.11	1	mg/Kg	SW6020
Barium	160		5.0	0.71	1	mg/Kg	SW6020
Beryllium	0.62		0.50	0.10	1	mg/Kg	SW6020
Cadmium	0.093	J	0.50	0.092	1	mg/Kg	SW6020
Chromium	32		0.50	0.13	1	mg/Kg	SW6020
Cobalt	12		0.50	0.064	1	mg/Kg	SW6020
Copper	19		0.50	0.13	1	mg/Kg	SW6020
Lead	6.4		0.50	0.065	1	mg/Kg	SW6020
Molybdenum	0.33	J	0.50	0.092	1	mg/Kg	SW6020
Nickel	26		0.50	0.080	1	mg/Kg	SW6020
Silver	0.079	J	0.50	0.057	1	mg/Kg	SW6020
Thallium	0.15	J	0.50	0.072	1	mg/Kg	SW6020
Vanadium	66		0.50	0.11	1	mg/Kg	SW6020
Zinc	43		5.0	2.5	1	mg/Kg	SW6020
Methoxychlor	0.00014	J	0.00020	0.00013	1	mg/kg	SEGC-SG SW8081A/8082

Printed: 12/27/2022 17:54

Detection Summary

Client: WSP USA Corp WorkOrder: 2212C57

Project: 31405786.000; Pittsburg Data Center

 Client ID:
 WSP-PDC-02-0
 Lab ID:
 2212C57-003A

 Date Collected:
 12/14/2022 12:50
 Matrix:
 Soil

Date Received: 12/15/2022 15:50

Date Received. 12/10/2022 10:00							
Analyte	Result	Qual	RL	MDL	DF	Unit	ExtType/ Method CleanUp
Antimony	0.31	J	0.50	0.12	1	mg/Kg	SW6020
Arsenic	4.1		0.50	0.11	1	mg/Kg	SW6020
Barium	84		5.0	0.71	1	mg/Kg	SW6020
Beryllium	0.33	J	0.50	0.10	1	mg/Kg	SW6020
Cadmium	0.30	J	0.50	0.092	1	mg/Kg	SW6020
Chromium	20		0.50	0.13	1	mg/Kg	SW6020
Cobalt	7.1		0.50	0.064	1	mg/Kg	SW6020
Copper	15		0.50	0.13	1	mg/Kg	SW6020
Lead	15		0.50	0.065	1	mg/Kg	SW6020
Mercury	0.052		0.050	0.038	1	mg/Kg	SW6020
Molybdenum	0.60		0.50	0.092	1	mg/Kg	SW6020
Nickel	17		0.50	0.080	1	mg/Kg	SW6020
Silver	0.096	J	0.50	0.057	1	mg/Kg	SW6020
Thallium	0.082	J	0.50	0.072	1	mg/Kg	SW6020
Vanadium	41		0.50	0.11	1	mg/Kg	SW6020
Zinc	57		5.0	2.5	1	mg/Kg	SW6020
TPH-Motor Oil (C18-C36)	8.4	J	10	5.0	1	mg/Kg	SW8015B
Heptachlor	0.00093	JP	0.0010	0.00040	10	mg/kg	SEGC-SG SW8081A/8082

 Client ID:
 WSP-PDC-02-5
 Lab ID:
 2212C57-004A

 Date Collected:
 12/14/2022 13:25
 Matrix:
 Soil

Date Received: 12/15/2022 15:50

Analyte	Result	Qual	RL	MDL	DF	Unit	ExtType/ Method CleanUp
Antimony	0.36	J	0.50	0.12	1	mg/Kg	SW6020
Arsenic	6.1		0.50	0.11	1	mg/Kg	SW6020
Barium	200		5.0	0.71	1	mg/Kg	SW6020
Beryllium	0.75		0.50	0.10	1	mg/Kg	SW6020
Chromium	27		0.50	0.13	1	mg/Kg	SW6020
Cobalt	10		0.50	0.064	1	mg/Kg	SW6020
Copper	24		0.50	0.13	1	mg/Kg	SW6020
Lead	7.4		0.50	0.065	1	mg/Kg	SW6020
Molybdenum	0.34	J	0.50	0.092	1	mg/Kg	SW6020
Nickel	27		0.50	0.080	1	mg/Kg	SW6020
Silver	0.11	J	0.50	0.057	1	mg/Kg	SW6020
Thallium	0.16	J	0.50	0.072	1	mg/Kg	SW6020
Vanadium	77		0.50	0.11	1	mg/Kg	SW6020
Zinc	59		5.0	2.5	1	mg/Kg	SW6020

Printed: 12/27/2022 17:54

Detection Summary

Client: WSP USA Corp WorkOrder: 2212C57

Project: 31405786.000; Pittsburg Data Center

 Client ID:
 WSP-PDC-03-0
 Lab ID:
 2212C57-005A

 Date Collected:
 12/14/2022 12:10
 Matrix:
 Soil

Date Received: 12/15/2022 15:50

2410 1100011041 12.10.2022 10.00							
Analyte	Result	Qual	RL	MDL	DF	Unit	ExtType/ Method CleanUp
Antimony	0.29	J	0.50	0.12	1	mg/Kg	SW6020
Arsenic	3.6		0.50	0.11	1	mg/Kg	SW6020
Barium	110		5.0	0.71	1	mg/Kg	SW6020
Beryllium	0.44	J	0.50	0.10	1	mg/Kg	SW6020
Cadmium	0.23	J	0.50	0.092	1	mg/Kg	SW6020
Chromium	20		0.50	0.13	1	mg/Kg	SW6020
Cobalt	7.2		0.50	0.064	1	mg/Kg	SW6020
Copper	15		0.50	0.13	1	mg/Kg	SW6020
Lead	13		0.50	0.065	1	mg/Kg	SW6020
Mercury	0.048	J	0.050	0.038	1	mg/Kg	SW6020
Molybdenum	0.59		0.50	0.092	1	mg/Kg	SW6020
Nickel	17		0.50	0.080	1	mg/Kg	SW6020
Silver	0.16	J	0.50	0.057	1	mg/Kg	SW6020
Thallium	0.097	J	0.50	0.072	1	mg/Kg	SW6020
Vanadium	46		0.50	0.11	1	mg/Kg	SW6020
Zinc	49		5.0	2.5	1	mg/Kg	SW6020
TPH(g) (C6-C12)	0.75	J	1.0	0.55	1	mg/Kg	SW8021B/8015Bm

 Client ID:
 WSP-PDC-03-5
 Lab ID:
 2212C57-006A

 Date Collected:
 12/14/2022 12:30
 Matrix:
 Soil

Date Received: 12/15/2022 15:50

Date Received. 12/10/2022 10:00							
Analyte	Result	Qual	RL	MDL	DF	Unit	ExtType/ Method CleanUp
Antimony	0.35	J	0.50	0.12	1	mg/Kg	SW6020
Arsenic	5.5		0.50	0.11	1	mg/Kg	SW6020
Barium	190		5.0	0.71	1	mg/Kg	SW6020
Beryllium	0.61		0.50	0.10	1	mg/Kg	SW6020
Cadmium	0.14	J	0.50	0.092	1	mg/Kg	SW6020
Chromium	28		0.50	0.13	1	mg/Kg	SW6020
Cobalt	9.4		0.50	0.064	1	mg/Kg	SW6020
Copper	19		0.50	0.13	1	mg/Kg	SW6020
Lead	6.4		0.50	0.065	1	mg/Kg	SW6020
Molybdenum	0.31	J	0.50	0.092	1	mg/Kg	SW6020
Nickel	23		0.50	0.080	1	mg/Kg	SW6020
Thallium	0.15	J	0.50	0.072	1	mg/Kg	SW6020
Vanadium	59		0.50	0.11	1	mg/Kg	SW6020
Zinc	51		5.0	2.5	1	mg/Kg	SW6020
Methoxychlor	0.00019	J	0.00020	0.00013	1	mg/kg	SEGC-SG SW8081A/8082

Printed: 12/27/2022 17:54



Detection Summary

Client: WSP USA Corp WorkOrder: 2212C57

Project: 31405786.000; Pittsburg Data Center

 Client ID:
 WSP-PDC-04-0
 Lab ID:
 2212C57-007A

 Date Collected:
 12/14/2022 11:40
 Matrix:
 Soil

Date Received: 12/15/2022 15:50

Analyte	Result	Qual	RL	MDL	DF	Unit	ExtType/ CleanUp	Method
Antimony	0.31	J	0.50	0.12	1	mg/Kg		SW6020
Arsenic	3.1		0.50	0.11	1	mg/Kg		SW6020
Barium	120		5.0	0.71	1	mg/Kg		SW6020
Beryllium	0.40	J	0.50	0.10	1	mg/Kg		SW6020
Cadmium	0.21	J	0.50	0.092	1	mg/Kg		SW6020
Chromium	20		0.50	0.13	1	mg/Kg		SW6020
Cobalt	6.3		0.50	0.064	1	mg/Kg		SW6020
Copper	16		0.50	0.13	1	mg/Kg		SW6020
Lead	21		0.50	0.065	1	mg/Kg		SW6020
Mercury	0.064		0.050	0.038	1	mg/Kg		SW6020
Molybdenum	0.83		0.50	0.092	1	mg/Kg		SW6020
Nickel	17		0.50	0.080	1	mg/Kg		SW6020
Silver	0.075	J	0.50	0.057	1	mg/Kg		SW6020
Thallium	0.10	J	0.50	0.072	1	mg/Kg		SW6020
Vanadium	38		0.50	0.11	1	mg/Kg		SW6020
Zinc	66		5.0	2.5	1	mg/Kg		SW6020
TPH-Diesel (C10-C23)	2.5		2.0	1.2	1	mg/Kg		SW8015B
TPH-Motor Oil (C18-C36)	10		10	5.0	1	mg/Kg		SW8015B
TPH(g) (C6-C12)	1.6		1.0	0.55	1	mg/Kg		SW8021B/8015Bm

 Client ID:
 WSP-PDC-04-5
 Lab ID:
 2212C57-008A

 Date Collected:
 12/14/2022 11:55
 Matrix:
 Soil

Date Received: 12/15/2022 15:50

Analyte	Result	Qual	RL	MDL	DF	Unit	ExtType/ Method CleanUp
Antimony	0.40	J	0.50	0.12	1	mg/Kg	SW6020
Arsenic	6.2		0.50	0.11	1	mg/Kg	SW6020
Barium	140		5.0	0.71	1	mg/Kg	SW6020
Beryllium	0.80		0.50	0.10	1	mg/Kg	SW6020
Chromium	29		0.50	0.13	1	mg/Kg	SW6020
Cobalt	12		0.50	0.064	1	mg/Kg	SW6020
Copper	23		0.50	0.13	1	mg/Kg	SW6020
Lead	7.7		0.50	0.065	1	mg/Kg	SW6020
Molybdenum	0.36	J	0.50	0.092	1	mg/Kg	SW6020
Nickel	28		0.50	0.080	1	mg/Kg	SW6020
Silver	0.079	J	0.50	0.057	1	mg/Kg	SW6020
Thallium	0.19	J	0.50	0.072	1	mg/Kg	SW6020
Vanadium	72		0.50	0.11	1	mg/Kg	SW6020
Zinc	58		5.0	2.5	1	mg/Kg	SW6020

Printed: 12/27/2022 17:54



Client: WSP USA Corp WorkOrder: 2212C57

Date Prepared: 12/21/2022 **Analytical Method:** SW8081A/8082

Client ID	Lab ID	Matrix]	Date Collected		Instrument	Batch ID
WSP-PDC-01-0	2212C57-001A	Soil	1	2/14/2022	14:50	GC23 12272214.d	260704
<u>Analytes</u>	Result		<u>MDL</u>	<u>RL</u>	<u>DF</u>		Date Analyzed
Aldrin	ND		0.00036	0.0010	10		12/27/2022 13:51
a-BHC	ND		0.00025	0.0010	10		12/27/2022 13:51
b-BHC	ND		0.0025	0.0030	10		12/27/2022 13:51
d-BHC	ND		0.0013	0.0020	10		12/27/2022 13:51
g-BHC	ND		0.00066	0.0010	10		12/27/2022 13:51
Chlordane (Technical)	ND		0.0043	0.025	10		12/27/2022 13:51
a-Chlordane	ND		0.00095	0.0010	10		12/27/2022 13:51
g-Chlordane	ND		0.00047	0.0010	10		12/27/2022 13:51
p,p-DDD	ND		0.00043	0.0010	10		12/27/2022 13:51
p,p-DDE	ND		0.00094	0.0010	10		12/27/2022 13:51
p,p-DDT	ND		0.00092	0.0010	10		12/27/2022 13:51
Dieldrin	ND		0.00061	0.0010	10		12/27/2022 13:51
Endosulfan I	ND		0.00048	0.0010	10		12/27/2022 13:51
Endosulfan II	ND		0.00076	0.0010	10		12/27/2022 13:51
Endosulfan sulfate	ND		0.00078	0.0010	10		12/27/2022 13:51
Endrin	ND		0.00035	0.0010	10		12/27/2022 13:51
Endrin aldehyde	ND		0.00067	0.0010	10		12/27/2022 13:51
Endrin ketone	ND		0.00084	0.0010	10		12/27/2022 13:51
Heptachlor	ND		0.00040	0.0010	10		12/27/2022 13:51
Heptachlor epoxide	ND		0.00054	0.0010	10		12/27/2022 13:51
Hexachlorobenzene	ND		0.0011	0.010	10		12/27/2022 13:51
Hexachlorocyclopentadiene	ND		0.0034	0.020	10		12/27/2022 13:51
Methoxychlor	ND		0.0013	0.0020	10		12/27/2022 13:51
Toxaphene	ND		0.034	0.050	10		12/27/2022 13:51
Aroclor1016	ND		0.020	0.050	10		12/27/2022 13:51
Aroclor1221	ND		0.022	0.050	10		12/27/2022 13:51
Aroclor1232	ND		0.022	0.050	10		12/27/2022 13:51
Aroclor1242	ND		0.022	0.050	10		12/27/2022 13:51
Aroclor1248	ND		0.022	0.050	10		12/27/2022 13:51
Aroclor1254	ND		0.022	0.050	10		12/27/2022 13:51
Aroclor1260	ND		0.022	0.050	10		12/27/2022 13:51
PCBs, total	ND		NA	0.050	10		12/27/2022 13:51
<u>Surrogates</u>	REC (%)			<u>Limits</u>			
Decachlorobiphenyl	116			20-145			12/27/2022 13:51
Analyst(s): CN			<u>Ana</u>	lytical Comi	ments: a2	2	



Client: WSP USA Corp WorkOrder: 2212C57

Project: 31405786.000; Pittsburg Data Center **Unit:** mg/kg

Client ID	Lab ID	Matrix		ate Colle	cted	Instrument	Batch ID
WSP-PDC-01-5	2212C57-002A	Soil	1	2/14/2022 1	15:10	GC23 12222276.d	260704
<u>Analytes</u>	<u>Result</u>	Qualifiers	<u>MDL</u>	<u>RL</u>	<u>DF</u>		Date Analyzed
Aldrin	ND		0.000036	0.00010	1		12/23/2022 03:26
a-BHC	ND		0.000025	0.00010	1		12/23/2022 03:26
b-BHC	ND		0.00025	0.00030	1		12/23/2022 03:26
d-BHC	ND		0.00013	0.00020	1		12/23/2022 03:26
g-BHC	ND		0.000066	0.00010	1		12/23/2022 03:26
Chlordane (Technical)	ND		0.00043	0.0025	1		12/23/2022 03:26
a-Chlordane	ND		0.000095	0.00010	1		12/23/2022 03:26
g-Chlordane	ND		0.000047	0.00010	1		12/23/2022 03:26
p,p-DDD	ND		0.000043	0.00010	1		12/23/2022 03:26
p,p-DDE	ND		0.000094	0.00010	1		12/23/2022 03:26
p,p-DDT	ND		0.000092	0.00010	1		12/23/2022 03:26
Dieldrin	ND		0.000061	0.00010	1		12/23/2022 03:26
Endosulfan I	ND		0.000048	0.00010	1		12/23/2022 03:26
Endosulfan II	ND		0.000076	0.00010	1		12/23/2022 03:26
Endosulfan sulfate	ND		0.000078	0.00010	1		12/23/2022 03:26
Endrin	ND		0.000035	0.00010	1		12/23/2022 03:26
Endrin aldehyde	ND		0.000067	0.00010	1		12/23/2022 03:26
Endrin ketone	ND		0.000084	0.00010	1		12/23/2022 03:26
Heptachlor	ND		0.000040	0.00010	1		12/23/2022 03:26
Heptachlor epoxide	ND		0.000054	0.00010	1		12/23/2022 03:26
Hexachlorobenzene	ND		0.00011	0.0010	1		12/23/2022 03:26
Hexachlorocyclopentadiene	ND		0.00034	0.0020	1		12/23/2022 03:26
Methoxychlor	0.00014	J	0.00013	0.00020	1		12/23/2022 03:26
Toxaphene	ND		0.0034	0.0050	1		12/23/2022 03:26
Aroclor1016	ND		0.0020	0.0050	1		12/23/2022 03:26
Aroclor1221	ND		0.0022	0.0050	1		12/23/2022 03:26
Aroclor1232	ND		0.0022	0.0050	1		12/23/2022 03:26
Aroclor1242	ND		0.0022	0.0050	1		12/23/2022 03:26
Aroclor1248	ND		0.0022	0.0050	1		12/23/2022 03:26
Aroclor1254	ND		0.0022	0.0050	1		12/23/2022 03:26
Aroclor1260	ND		0.0022	0.0050	1		12/23/2022 03:26
PCBs, total	ND		NA	0.0050	1		12/23/2022 03:26
<u>Surrogates</u>	<u>REC (%)</u>			<u>Limits</u>			
Decachlorobiphenyl	105			20-145			12/23/2022 03:26
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Analyst(s): CN



Client: WSP USA Corp WorkOrder: 2212C57

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Client ID	Lab ID	Lab ID Matrix Date Collected		Instrument	Batch ID			
WSP-PDC-02-0	2212C57-003A	Soil	•	12/14/2022	12:50	GC23 12232276.d	260704	
<u>Analytes</u>	<u>Result</u>	<u>Qualifiers</u>	<u>MDL</u>	<u>RL</u>	<u>DF</u>		Date Analyzed	
Aldrin	ND		0.00036	0.0010	10		12/24/2022 03:08	
a-BHC	ND		0.00025	0.0010	10		12/24/2022 03:08	
b-BHC	ND		0.0025	0.0030	10		12/24/2022 03:08	
d-BHC	ND		0.0013	0.0020	10		12/24/2022 03:08	
g-BHC	ND		0.00066	0.0010	10		12/24/2022 03:08	
Chlordane (Technical)	ND		0.0043	0.025	10		12/24/2022 03:08	
a-Chlordane	ND		0.00095	0.0010	10		12/24/2022 03:08	
g-Chlordane	ND		0.00047	0.0010	10		12/24/2022 03:08	
p,p-DDD	ND		0.00043	0.0010	10		12/24/2022 03:08	
p,p-DDE	ND		0.00094	0.0010	10		12/24/2022 03:08	
p,p-DDT	ND		0.00092	0.0010	10		12/24/2022 03:08	
Dieldrin	ND		0.00061	0.0010	10		12/24/2022 03:08	
Endosulfan I	ND		0.00048	0.0010	10		12/24/2022 03:08	
Endosulfan II	ND		0.00076	0.0010	10		12/24/2022 03:08	
Endosulfan sulfate	ND		0.00078	0.0010	10		12/24/2022 03:08	
Endrin	ND		0.00035	0.0010	10		12/24/2022 03:08	
Endrin aldehyde	ND		0.00067	0.0010	10		12/24/2022 03:08	
Endrin ketone	ND		0.00084	0.0010	10		12/24/2022 03:08	
Heptachlor	0.00093	JP	0.00040	0.0010	10		12/24/2022 03:08	
Heptachlor epoxide	ND		0.00054	0.0010	10		12/24/2022 03:08	
Hexachlorobenzene	ND		0.0011	0.010	10		12/24/2022 03:08	
Hexachlorocyclopentadiene	ND		0.0034	0.020	10		12/24/2022 03:08	
Methoxychlor	ND		0.0013	0.0020	10		12/24/2022 03:08	
Toxaphene	ND		0.034	0.050	10		12/24/2022 03:08	
Aroclor1016	ND		0.020	0.050	10		12/24/2022 03:08	
Aroclor1221	ND		0.022	0.050	10		12/24/2022 03:08	
Aroclor1232	ND		0.022	0.050	10		12/24/2022 03:08	
Aroclor1242	ND		0.022	0.050	10		12/24/2022 03:08	
Aroclor1248	ND		0.022	0.050	10		12/24/2022 03:08	
Aroclor1254	ND		0.022	0.050	10		12/24/2022 03:08	
Aroclor1260	ND		0.022	0.050	10		12/24/2022 03:08	
PCBs, total	ND		NA	0.050	10		12/24/2022 03:08	
Surrogates	<u>REC (%)</u>			<u>Limits</u>				
Decachlorobiphenyl	110			20-145			12/24/2022 03:08	
Analyst(s): CN			<u>Ana</u>	lytical Comi	ments: a	3		



Client: WSP USA Corp WorkOrder: 2212C57

Organochiorin	e Pesticiaes +	PCBs W/	Fiorisii	Clean-up
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Client ID	Lab ID	Matrix	Γ	ate Colle	cted	Instrument	Batch ID	
WSP-PDC-02-5	2212C57-004A	Soil	1	2/14/2022 1	3:25	GC23 12232277.d	260704	
<u>Analytes</u>	<u>Result</u>		<u>MDL</u>	<u>RL</u>	<u>DF</u>		Date Analyzed	
Aldrin	ND		0.000072	0.00020	2		12/24/2022 03:24	
a-BHC	ND		0.000050	0.00020	2		12/24/2022 03:24	
b-BHC	ND		0.00050	0.00060	2		12/24/2022 03:24	
d-BHC	ND		0.00026	0.00040	2		12/24/2022 03:24	
g-BHC	ND		0.00013	0.00020	2		12/24/2022 03:24	
Chlordane (Technical)	ND		0.00086	0.0050	2		12/24/2022 03:24	
a-Chlordane	ND		0.00019	0.00020	2		12/24/2022 03:24	
g-Chlordane	ND		0.000094	0.00020	2		12/24/2022 03:24	
p,p-DDD	ND		0.000086	0.00020	2		12/24/2022 03:24	
p,p-DDE	ND		0.00019	0.00020	2		12/24/2022 03:24	
p,p-DDT	ND		0.00018	0.00020	2		12/24/2022 03:24	
Dieldrin	ND		0.00012	0.00020	2		12/24/2022 03:24	
Endosulfan I	ND		0.000096	0.00020	2		12/24/2022 03:24	
Endosulfan II	ND		0.00015	0.00020	2		12/24/2022 03:24	
Endosulfan sulfate	ND		0.00016	0.00020	2		12/24/2022 03:24	
Endrin	ND		0.000070	0.00020	2		12/24/2022 03:24	
Endrin aldehyde	ND		0.00013	0.00020	2		12/24/2022 03:24	
Endrin ketone	ND		0.00017	0.00020	2		12/24/2022 03:24	
Heptachlor	ND		0.000080	0.00020	2		12/24/2022 03:24	
Heptachlor epoxide	ND		0.00011	0.00020	2		12/24/2022 03:24	
Hexachlorobenzene	ND		0.00022	0.0020	2		12/24/2022 03:24	
Hexachlorocyclopentadiene	ND		0.00068	0.0040	2		12/24/2022 03:24	
Methoxychlor	ND		0.00026	0.00040	2		12/24/2022 03:24	
Toxaphene	ND		0.0068	0.010	2		12/24/2022 03:24	
Aroclor1016	ND		0.0040	0.010	2		12/24/2022 03:24	
Aroclor1221	ND		0.0044	0.010	2		12/24/2022 03:24	
Aroclor1232	ND		0.0044	0.010	2		12/24/2022 03:24	
Aroclor1242	ND		0.0044	0.010	2		12/24/2022 03:24	
Aroclor1248	ND		0.0044	0.010	2		12/24/2022 03:24	
Aroclor1254	ND		0.0044	0.010	2		12/24/2022 03:24	
Aroclor1260	ND		0.0044	0.010	2		12/24/2022 03:24	
PCBs, total	ND		NA	0.010	2		12/24/2022 03:24	
<u>Surrogates</u>	<u>REC (%)</u>			<u>Limits</u>				
Decachlorobiphenyl	100			20-145			12/24/2022 03:24	
Analyst(s): CN			<u>Anal</u>	ytical Comn	nents: a	3		



Client: WSP USA Corp WorkOrder: 2212C57

Date Prepared: 12/21/2022 Analytical Method: SW8081A/8082

Project: 31405786.000; Pittsburg Data Center **Unit:** mg/kg

Organochlorine Pes	sticides +	PCBs w/ Florisil Cle	an-up	
Lab ID	Matrix	Date Collected	Instrument	
2212C57-005A	Soil	12/14/2022 12:10	GC23 12232278	

		Soil		2410 0011000			
WSP-PDC-03-0	2212C57-005A			12/14/2022	12:10	GC23 12232278.d	260704
<u>Analytes</u>	<u>Result</u>		MDL	<u>RL</u>	<u>DF</u>		Date Analyzed
Aldrin	ND		0.00036	0.0010	10		12/24/2022 03:40
a-BHC	ND		0.00025	0.0010	10		12/24/2022 03:40
b-BHC	ND		0.0025	0.0030	10		12/24/2022 03:40
d-BHC	ND		0.0013	0.0020	10		12/24/2022 03:40
g-BHC	ND		0.00066	0.0010	10		12/24/2022 03:40
Chlordane (Technical)	ND		0.0043	0.025	10		12/24/2022 03:40
a-Chlordane	ND		0.00095	0.0010	10		12/24/2022 03:40
g-Chlordane	ND		0.00047	0.0010	10		12/24/2022 03:40
p,p-DDD	ND		0.00043	0.0010	10		12/24/2022 03:40
p,p-DDE	ND		0.00094	0.0010	10		12/24/2022 03:40
p,p-DDT	ND		0.00092	0.0010	10		12/24/2022 03:40
Dieldrin	ND		0.00061	0.0010	10		12/24/2022 03:40
Endosulfan I	ND		0.00048	0.0010	10		12/24/2022 03:40
Endosulfan II	ND		0.00076	0.0010	10		12/24/2022 03:40
Endosulfan sulfate	ND		0.00078	0.0010	10		12/24/2022 03:40
Endrin	ND		0.00035	0.0010	10		12/24/2022 03:40
Endrin aldehyde	ND		0.00067	0.0010	10		12/24/2022 03:40
Endrin ketone	ND		0.00084	0.0010	10		12/24/2022 03:40
Heptachlor	ND		0.00040	0.0010	10		12/24/2022 03:40
Heptachlor epoxide	ND		0.00054	0.0010	10		12/24/2022 03:40
Hexachlorobenzene	ND		0.0011	0.010	10		12/24/2022 03:40
Hexachlorocyclopentadiene	ND		0.0034	0.020	10		12/24/2022 03:40
Methoxychlor	ND		0.0013	0.0020	10		12/24/2022 03:40
Toxaphene	ND		0.034	0.050	10		12/24/2022 03:40
Aroclor1016	ND		0.020	0.050	10		12/24/2022 03:40
Aroclor1221	ND		0.022	0.050	10		12/24/2022 03:40
Aroclor1232	ND		0.022	0.050	10		12/24/2022 03:40
Aroclor1242	ND		0.022	0.050	10		12/24/2022 03:40
Aroclor1248	ND		0.022	0.050	10		12/24/2022 03:40
Aroclor1254	ND		0.022	0.050	10		12/24/2022 03:40
Aroclor1260	ND		0.022	0.050	10		12/24/2022 03:40
PCBs, total	ND		NA	0.050	10		12/24/2022 03:40
<u>Surrogates</u>	<u>REC (%)</u>			<u>Limits</u>			
Decachlorobiphenyl	122			20-145			12/24/2022 03:40
Analyst(s): CN			<u>Ana</u>	<u>ılytical Comı</u>	ments: a3	3	

Client ID

Batch ID



Client: WSP USA Corp WorkOrder: 2212C57

Project: 31405786.000; Pittsburg Data Center **Unit:** mg/kg

Client ID	Lab ID	Matrix	Г	ate Colle	cted	Instrument	Batch ID
WSP-PDC-03-5	2212C57-006A	Soil	1	2/14/2022 [,]	12:30	GC23 12232279.d	260704
<u>Analytes</u>	Result	Qualifiers	<u>MDL</u>	<u>RL</u>	<u>DF</u>		Date Analyzed
Aldrin	ND		0.000036	0.00010	1		12/24/2022 03:55
a-BHC	ND		0.000025	0.00010	1		12/24/2022 03:55
b-BHC	ND		0.00025	0.00030	1		12/24/2022 03:55
d-BHC	ND		0.00013	0.00020	1		12/24/2022 03:55
g-BHC	ND		0.000066	0.00010	1		12/24/2022 03:55
Chlordane (Technical)	ND		0.00043	0.0025	1		12/24/2022 03:55
a-Chlordane	ND		0.000095	0.00010	1		12/24/2022 03:55
g-Chlordane	ND		0.000047	0.00010	1		12/24/2022 03:55
p,p-DDD	ND		0.000043	0.00010	1		12/24/2022 03:55
p,p-DDE	ND		0.000094	0.00010	1		12/24/2022 03:55
p,p-DDT	ND		0.000092	0.00010	1		12/24/2022 03:55
Dieldrin	ND		0.000061	0.00010	1		12/24/2022 03:55
Endosulfan I	ND		0.000048	0.00010	1		12/24/2022 03:55
Endosulfan II	ND		0.000076	0.00010	1		12/24/2022 03:55
Endosulfan sulfate	ND		0.000078	0.00010	1		12/24/2022 03:55
Endrin	ND		0.000035	0.00010	1		12/24/2022 03:55
Endrin aldehyde	ND		0.000067	0.00010	1		12/24/2022 03:55
Endrin ketone	ND		0.000084	0.00010	1		12/24/2022 03:55
Heptachlor	ND		0.000040	0.00010	1		12/24/2022 03:55
Heptachlor epoxide	ND		0.000054	0.00010	1		12/24/2022 03:55
Hexachlorobenzene	ND		0.00011	0.0010	1		12/24/2022 03:55
Hexachlorocyclopentadiene	ND		0.00034	0.0020	1		12/24/2022 03:55
Methoxychlor	0.00019	J	0.00013	0.00020	1		12/24/2022 03:55
Toxaphene	ND		0.0034	0.0050	1		12/24/2022 03:55
Aroclor1016	ND		0.0020	0.0050	1		12/24/2022 03:55
Aroclor1221	ND		0.0022	0.0050	1		12/24/2022 03:55
Aroclor1232	ND		0.0022	0.0050	1		12/24/2022 03:55
Aroclor1242	ND		0.0022	0.0050	1		12/24/2022 03:55
Aroclor1248	ND		0.0022	0.0050	1		12/24/2022 03:55
Aroclor1254	ND		0.0022	0.0050	1		12/24/2022 03:55
Aroclor1260	ND		0.0022	0.0050	1		12/24/2022 03:55
PCBs, total	ND		NA	0.0050	1		12/24/2022 03:55
<u>Surrogates</u>	<u>REC (%)</u>			<u>Limits</u>			

20-145

Decachlorobiphenyl

Analyst(s): CN

111

12/24/2022 03:55



Client: WSP USA Corp WorkOrder: 2212C57

Organochlorine Pesticides + PCBs v	v/ Florisii Clean-up

Client ID	Lab ID	Matrix	. 1	Date Collected		Instrument	Batch ID
WSP-PDC-04-0	2212C57-007	A Soil	,	12/14/2022 <i>¹</i>	11:40	GC23 12232280.d	260704
Analytes	Result		<u>MDL</u>	<u>RL</u>	<u>DF</u>		Date Analyzed
Aldrin	ND		0.00018	0.00050	5		12/24/2022 04:11
a-BHC	ND		0.00012	0.00050	5		12/24/2022 04:11
b-BHC	ND		0.0012	0.0015	5		12/24/2022 04:11
d-BHC	ND		0.00065	0.0010	5		12/24/2022 04:11
g-BHC	ND		0.00033	0.00050	5		12/24/2022 04:11
Chlordane (Technical)	ND		0.0022	0.012	5		12/24/2022 04:11
a-Chlordane	ND		0.00048	0.00050	5		12/24/2022 04:11
g-Chlordane	ND		0.00024	0.00050	5		12/24/2022 04:11
p,p-DDD	ND		0.00022	0.00050	5		12/24/2022 04:11
p,p-DDE	ND		0.00047	0.00050	5		12/24/2022 04:11
p,p-DDT	ND		0.00046	0.00050	5		12/24/2022 04:11
Dieldrin	ND		0.00030	0.00050	5		12/24/2022 04:11
Endosulfan I	ND		0.00024	0.00050	5		12/24/2022 04:11
Endosulfan II	ND		0.00038	0.00050	5		12/24/2022 04:11
Endosulfan sulfate	ND		0.00039	0.00050	5		12/24/2022 04:11
Endrin	ND		0.00018	0.00050	5		12/24/2022 04:11
Endrin aldehyde	ND		0.00034	0.00050	5		12/24/2022 04:11
Endrin ketone	ND		0.00042	0.00050	5		12/24/2022 04:11
Heptachlor	ND		0.00020	0.00050	5		12/24/2022 04:11
Heptachlor epoxide	ND		0.00027	0.00050	5		12/24/2022 04:11
Hexachlorobenzene	ND		0.00055	0.0050	5		12/24/2022 04:11
Hexachlorocyclopentadiene	ND		0.0017	0.010	5		12/24/2022 04:11
Methoxychlor	ND		0.00065	0.0010	5		12/24/2022 04:11
Toxaphene	ND		0.017	0.025	5		12/24/2022 04:11
Aroclor1016	ND		0.010	0.025	5		12/24/2022 04:11
Aroclor1221	ND		0.011	0.025	5		12/24/2022 04:11
Aroclor1232	ND		0.011	0.025	5		12/24/2022 04:11
Aroclor1242	ND		0.011	0.025	5		12/24/2022 04:11
Aroclor1248	ND		0.011	0.025	5		12/24/2022 04:11
Aroclor1254	ND		0.011	0.025	5		12/24/2022 04:11
Aroclor1260	ND		0.011	0.025	5		12/24/2022 04:11
PCBs, total	ND		NA	0.025	5		12/24/2022 04:11
Surrogates	<u>REC (%)</u>	Qualifiers	<u>i</u>	<u>Limits</u>			
Decachlorobiphenyl	156	S		20-145			12/24/2022 04:11
Analyst(s): CN			<u>Ana</u>	lytical Comr	nents: a	3,c4	



Client: WSP USA Corp WorkOrder: 2212C57

Organochlorine Pesticides + PCBs w/ Florisil Cle
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Client ID	Lab ID	Matrix	I	Oate Colle	cted	Instrument	Batch ID
WSP-PDC-04-5	2212C57-008A	Soil	1	2/14/2022 1	1:55	GC23 12232281.d	260704
<u>Analytes</u>	<u>Result</u>		<u>MDL</u>	<u>RL</u>	<u>DF</u>		Date Analyzed
Aldrin	ND		0.000036	0.00010	1		12/24/2022 04:27
a-BHC	ND		0.000025	0.00010	1		12/24/2022 04:27
b-BHC	ND		0.00025	0.00030	1		12/24/2022 04:27
d-BHC	ND		0.00013	0.00020	1		12/24/2022 04:27
g-BHC	ND		0.000066	0.00010	1		12/24/2022 04:27
Chlordane (Technical)	ND		0.00043	0.0025	1		12/24/2022 04:27
a-Chlordane	ND		0.000095	0.00010	1		12/24/2022 04:27
g-Chlordane	ND		0.000047	0.00010	1		12/24/2022 04:27
p,p-DDD	ND		0.000043	0.00010	1		12/24/2022 04:27
p,p-DDE	ND		0.000094	0.00010	1		12/24/2022 04:27
p,p-DDT	ND		0.000092	0.00010	1		12/24/2022 04:27
Dieldrin	ND		0.000061	0.00010	1		12/24/2022 04:27
Endosulfan I	ND		0.000048	0.00010	1		12/24/2022 04:27
Endosulfan II	ND		0.000076	0.00010	1		12/24/2022 04:27
Endosulfan sulfate	ND		0.000078	0.00010	1		12/24/2022 04:27
Endrin	ND		0.000035	0.00010	1		12/24/2022 04:27
Endrin aldehyde	ND		0.000067	0.00010	1		12/24/2022 04:27
Endrin ketone	ND		0.000084	0.00010	1		12/24/2022 04:27
Heptachlor	ND		0.000040	0.00010	1		12/24/2022 04:27
Heptachlor epoxide	ND		0.000054	0.00010	1		12/24/2022 04:27
Hexachlorobenzene	ND		0.00011	0.0010	1		12/24/2022 04:27
Hexachlorocyclopentadiene	ND		0.00034	0.0020	1		12/24/2022 04:27
Methoxychlor	ND		0.00013	0.00020	1		12/24/2022 04:27
Toxaphene	ND		0.0034	0.0050	1		12/24/2022 04:27
Aroclor1016	ND		0.0020	0.0050	1		12/24/2022 04:27
Aroclor1221	ND		0.0022	0.0050	1		12/24/2022 04:27
Aroclor1232	ND		0.0022	0.0050	1		12/24/2022 04:27
Aroclor1242	ND		0.0022	0.0050	1		12/24/2022 04:27
Aroclor1248	ND		0.0022	0.0050	1		12/24/2022 04:27
Aroclor1254	ND		0.0022	0.0050	1		12/24/2022 04:27
Aroclor1260	ND		0.0022	0.0050	1		12/24/2022 04:27
PCBs, total	ND		NA	0.0050	1		12/24/2022 04:27
<u>Surrogates</u>	REC (%)			<u>Limits</u>			
Decachlorobiphenyl	86			20-145			12/24/2022 04:27
Analyst(s): CN							



Client:WSP USA CorpWorkOrder:2212C57Date Received:12/15/2022 15:50Extraction Method:SW8151ADate Prepared:12/19/2022Analytical Method:SW8151A

Client ID	Lab ID	Matrix	Date Collected 12/14/2022 14:50		Instrument	Batch ID
WSP-PDC-01-0	2212C57-001A	Soil			GC15A 12192223.D	260435
<u>Analytes</u>	Result	<u>MDL</u>	<u>RL</u>	<u>DF</u>		Date Analyzed
Acifluorfen	ND	0.21	0.50	50		12/19/2022 19:39
Bentazon	ND	0.13	0.50	50		12/19/2022 19:39
Chloramben	ND	0.26	0.50	50		12/19/2022 19:39
2,4-D (Dichlorophenoxyacetic acid)	ND	0.19	0.50	50		12/19/2022 19:39
2,4-DB	ND	0.23	0.50	50		12/19/2022 19:39
Dalapon	ND	0.32	0.50	50		12/19/2022 19:39
DCPA (mono & diacid)	ND	0.21	0.50	50		12/19/2022 19:39
Dicamba	ND	0.12	0.50	50		12/19/2022 19:39
3,5-Dichlorobenzoic Acid	ND	0.17	0.50	50		12/19/2022 19:39
Dichloroprop	ND	0.14	0.50	50		12/19/2022 19:39
Dinoseb (DNBP)	ND	0.13	0.50	50		12/19/2022 19:39
MCPA	ND	21	50	50		12/19/2022 19:39
MCPP	ND	16	50	50		12/19/2022 19:39
4-Nitrophenol	ND	0.36	0.50	50		12/19/2022 19:39
Pentachlorophenol (PCP)	ND	0.095	0.50	50		12/19/2022 19:39
Picloram	ND	0.18	0.50	50		12/19/2022 19:39
2,4,5-T (Trichlorophenoxy acetic acid)	ND	0.13	0.50	50		12/19/2022 19:39
2,4,5-TP (Silvex)	ND	0.10	0.50	50		12/19/2022 19:39
<u>Surrogates</u>	<u>REC (%)</u>		<u>Limits</u>			
DCAA	109		60-140			12/19/2022 19:39
Analyst(s): DP		<u> </u>	nalytical Cor	nments: a3	3	



Client:WSP USA CorpWorkOrder:2212C57Date Received:12/15/2022 15:50Extraction Method:SW8151ADate Prepared:12/19/2022Analytical Method:SW8151A

Chlorinated Herbicides by GC-ECD								
Client ID	Lab ID	Matrix		Date Col	lected	Instrument	Batch ID	
WSP-PDC-01-5	2212C57-002A	Soil		12/14/2022	2 15:10	GC15A 12192224.D	260435	
<u>Analytes</u>	Result		MDL	<u>RL</u>	<u>DF</u>		<u>Date Analyzed</u>	
Acifluorfen	ND		0.0042	0.010	1		12/19/2022 20:04	
Bentazon	ND		0.0026	0.010	1		12/19/2022 20:04	
Chloramben	ND		0.0053	0.010	1		12/19/2022 20:04	
2,4-D (Dichlorophenoxyacetic acid)	ND		0.0038	0.010	1		12/19/2022 20:04	
2,4-DB	ND		0.0046	0.010	1		12/19/2022 20:04	
Dalapon	ND		0.0063	0.010	1		12/19/2022 20:04	
DCPA (mono & diacid)	ND		0.0042	0.010	1		12/19/2022 20:04	
Dicamba	ND		0.0025	0.010	1		12/19/2022 20:04	
3,5-Dichlorobenzoic Acid	ND		0.0034	0.010	1		12/19/2022 20:04	
Dichloroprop	ND		0.0028	0.010	1		12/19/2022 20:04	
Dinoseb (DNBP)	ND		0.0026	0.010	1		12/19/2022 20:04	
MCPA	ND		0.42	1.0	1		12/19/2022 20:04	
MCPP	ND		0.33	1.0	1		12/19/2022 20:04	
4-Nitrophenol	ND		0.0073	0.010	1		12/19/2022 20:04	
Pentachlorophenol (PCP)	ND		0.0019	0.010	1		12/19/2022 20:04	
Picloram	ND		0.0037	0.010	1		12/19/2022 20:04	
2,4,5-T (Trichlorophenoxy acetic acid)	ND		0.0026	0.010	1		12/19/2022 20:04	
2,4,5-TP (Silvex)	ND		0.0020	0.010	1		12/19/2022 20:04	
Surrogates	REC (%)			<u>Limits</u>				
DCAA	103			60-140			12/19/2022 20:04	
Analyst(s): DP								



Client:WSP USA CorpWorkOrder:2212C57Date Received:12/15/2022 15:50Extraction Method:SW8151ADate Prepared:12/19/2022Analytical Method:SW8151A

Chlorinated Herbicides by GC-ECD									
Client ID	Lab ID	Matrix	Date	Collected	Instrument	Batch ID			
WSP-PDC-02-0	2212C57-003A	Soil	12/14/	/2022 12:50	GC15A 12192225.D	260435			
<u>Analytes</u>	Result	MDI	L RL	<u>DF</u>	<u>=</u>	<u>Date Analyzed</u>			
Acifluorfen	ND	0.21	0.50	0 50		12/19/2022 20:29			
Bentazon	ND	0.13	3 0.5	0 50		12/19/2022 20:29			
Chloramben	ND	0.26	0.5	0 50		12/19/2022 20:29			
2,4-D (Dichlorophenoxyacetic acid)	ND	0.19	0.5	0 50		12/19/2022 20:29			
2,4-DB	ND	0.23	3 0.5	0 50		12/19/2022 20:29			
Dalapon	ND	0.32	2 0.5	0 50		12/19/2022 20:29			
DCPA (mono & diacid)	ND	0.21	0.5	0 50		12/19/2022 20:29			
Dicamba	ND	0.12	2 0.5	0 50		12/19/2022 20:29			
3,5-Dichlorobenzoic Acid	ND	0.17	7 0.5	0 50		12/19/2022 20:29			
Dichloroprop	ND	0.14	1 0.5	0 50		12/19/2022 20:29			
Dinoseb (DNBP)	ND	0.13	3 0.5	0 50		12/19/2022 20:29			
MCPA	ND	21	50	50		12/19/2022 20:29			
MCPP	ND	16	50	50		12/19/2022 20:29			
4-Nitrophenol	ND	0.36	0.5	0 50		12/19/2022 20:29			
Pentachlorophenol (PCP)	ND	0.09	95 0.5	0 50		12/19/2022 20:29			
Picloram	ND	0.18	3 0.5	0 50		12/19/2022 20:29			
2,4,5-T (Trichlorophenoxy acetic acid)	ND	0.13	3 0.5	0 50		12/19/2022 20:29			
2,4,5-TP (Silvex)	ND	0.10	0.50	0 50		12/19/2022 20:29			
<u>Surrogates</u>	REC (%)		<u>Lim</u>	<u>its</u>					
DCAA	98		60	-140		12/19/2022 20:29			
Analyst(s): DP			Analytica	Comments	<u>s:</u> a3				



Client:WSP USA CorpWorkOrder:2212C57Date Received:12/15/2022 15:50Extraction Method:SW8151ADate Prepared:12/19/2022Analytical Method:SW8151AProject:31405786.000; Pittsburg Data CenterUnit:mg/kg

Chlorinated Herbicides by GC-ECD Client ID Lab ID Matrix **Date Collected** Instrument **Batch ID** WSP-PDC-02-5 GC15A 12192226.D 2212C57-004A 12/14/2022 13:25 Soil 260435 **MDL** <u>DF</u> <u>Analytes</u> Result <u>RL</u> **Date Analyzed** Acifluorfen ND 0.0042 0.010 12/19/2022 20:53 Bentazon ND 0.0026 0.010 12/19/2022 20:53 Chloramben ND 0.0053 0.010 1 12/19/2022 20:53 ND 2,4-D (Dichlorophenoxyacetic acid) 0.0038 0.010 1 12/19/2022 20:53 2,4-DB ND 0.0046 0.010 12/19/2022 20:53 ND 0.0063 0.010 12/19/2022 20:53 Dalapon 1 DCPA (mono & diacid) ND 0.0042 0.010 1 12/19/2022 20:53 Dicamba ND 0.0025 0.010 12/19/2022 20:53 ND 0.0034 0.010 3,5-Dichlorobenzoic Acid 1 12/19/2022 20:53 0.0028 Dichloroprop ND 0.010 12/19/2022 20:53 ND 0.010 12/19/2022 20:53 Dinoseb (DNBP) 0.0026 1 **MCPA** ND 0.42 1.0 12/19/2022 20:53 1 **MCPP** ND 0.33 1.0 12/19/2022 20:53 4-Nitrophenol ND 0.0073 0.010 12/19/2022 20:53 Pentachlorophenol (PCP) ND 0.0019 0.010 12/19/2022 20:53 Picloram ND 0.0037 0.010 1 12/19/2022 20:53 2,4,5-T (Trichlorophenoxy acetic acid) ND 0.0026 0.010 1 12/19/2022 20:53 2,4,5-TP (Silvex) ND 0.0020 0.010 1 12/19/2022 20:53 **Surrogates REC (%) Limits** DCAA 96 60-140 12/19/2022 20:53 Analyst(s): DP



Client:WSP USA CorpWorkOrder:2212C57Date Received:12/15/2022 15:50Extraction Method:SW8151ADate Prepared:12/19/2022Analytical Method:SW8151A

	Chlorinat	ed Herbicide	ECD			
Client ID	Lab ID	Matrix	Date Collected		Instrument	Batch ID
WSP-PDC-03-0	2212C57-005A	Soil	12/14/202	2 12:10	GC15A 12202206.D	260435
<u>Analytes</u>	<u>Result</u>	<u>MDL</u>	<u>RL</u>	<u>DF</u>		Date Analyzed
Acifluorfen	ND	0.84	2.0	20		12/20/2022 12:57
Bentazon	ND	0.52	2.0	20		12/20/2022 12:57
Chloramben	ND	1.1	2.0	20		12/20/2022 12:57
2,4-D (Dichlorophenoxyacetic acid)	ND	0.76	2.0	20		12/20/2022 12:57
2,4-DB	ND	0.92	2.0	20		12/20/2022 12:57
Dalapon	ND	1.3	2.0	20		12/20/2022 12:57
DCPA (mono & diacid)	ND	0.84	2.0	20		12/20/2022 12:57
Dicamba	ND	0.50	2.0	20		12/20/2022 12:57
3,5-Dichlorobenzoic Acid	ND	0.68	2.0	20		12/20/2022 12:57
Dichloroprop	ND	0.56	2.0	20		12/20/2022 12:57
Dinoseb (DNBP)	ND	0.52	2.0	20		12/20/2022 12:57
MCPA	ND	84	200	20		12/20/2022 12:57
MCPP	ND	66	200	20		12/20/2022 12:57
4-Nitrophenol	ND	1.5	2.0	20		12/20/2022 12:57
Pentachlorophenol (PCP)	ND	0.38	2.0	20		12/20/2022 12:57
Picloram	ND	0.74	2.0	20		12/20/2022 12:57
2,4,5-T (Trichlorophenoxy acetic acid)	ND	0.52	2.0	20		12/20/2022 12:57
2,4,5-TP (Silvex)	ND	0.40	2.0	20		12/20/2022 12:57
Surrogates	REC (%)		<u>Limits</u>			
DCAA	100		60-140			12/20/2022 12:57
Analyst(s): DP		<u> </u>	Analytical Cor	mments: a3	3	



Client:WSP USA CorpWorkOrder:2212C57Date Received:12/15/2022 15:50Extraction Method:SW8151ADate Prepared:12/19/2022Analytical Method:SW8151A

Chlorinated Herbicides by GC-ECD								
Client ID	Lab ID	Matrix		Date Coll	lected	Instrument	Batch ID	
WSP-PDC-03-5	2212C57-006A	Soil		12/14/2022	2 12:30	GC15A 12192227.D	260435	
<u>Analytes</u>	<u>Result</u>		MDL	<u>RL</u>	<u>DF</u>		Date Analyzed	
Acifluorfen	ND		0.0042	0.010	1		12/19/2022 21:18	
Bentazon	ND		0.0026	0.010	1		12/19/2022 21:18	
Chloramben	ND		0.0053	0.010	1		12/19/2022 21:18	
2,4-D (Dichlorophenoxyacetic acid)	ND		0.0038	0.010	1		12/19/2022 21:18	
2,4-DB	ND		0.0046	0.010	1		12/19/2022 21:18	
Dalapon	ND		0.0063	0.010	1		12/19/2022 21:18	
DCPA (mono & diacid)	ND		0.0042	0.010	1		12/19/2022 21:18	
Dicamba	ND		0.0025	0.010	1		12/19/2022 21:18	
3,5-Dichlorobenzoic Acid	ND		0.0034	0.010	1		12/19/2022 21:18	
Dichloroprop	ND		0.0028	0.010	1		12/19/2022 21:18	
Dinoseb (DNBP)	ND		0.0026	0.010	1		12/19/2022 21:18	
MCPA	ND		0.42	1.0	1		12/19/2022 21:18	
MCPP	ND		0.33	1.0	1		12/19/2022 21:18	
4-Nitrophenol	ND		0.0073	0.010	1		12/19/2022 21:18	
Pentachlorophenol (PCP)	ND		0.0019	0.010	1		12/19/2022 21:18	
Picloram	ND		0.0037	0.010	1		12/19/2022 21:18	
2,4,5-T (Trichlorophenoxy acetic acid)	ND		0.0026	0.010	1		12/19/2022 21:18	
2,4,5-TP (Silvex)	ND		0.0020	0.010	1		12/19/2022 21:18	
<u>Surrogates</u>	REC (%)			<u>Limits</u>				
DCAA	103			60-140			12/19/2022 21:18	
Analyst(s): DP								



Client:WSP USA CorpWorkOrder:2212C57Date Received:12/15/2022 15:50Extraction Method:SW8151ADate Prepared:12/19/2022Analytical Method:SW8151A

Chlorinated Herbicides by GC-ECD									
Client ID	Lab ID	Matrix	Date Collected		Instrument	Batch ID			
WSP-PDC-04-0	2212C57-007A	Soil	12/14/2022	2 11:40	GC15A 12192228.D	260435			
Analytes	Result	<u>MDL</u>	<u>RL</u>	<u>DF</u>		Date Analyzed			
Acifluorfen	ND	0.21	0.50	50		12/19/2022 21:42			
Bentazon	ND	0.13	0.50	50		12/19/2022 21:42			
Chloramben	ND	0.26	0.50	50		12/19/2022 21:42			
2,4-D (Dichlorophenoxyacetic acid)	ND	0.19	0.50	50		12/19/2022 21:42			
2,4-DB	ND	0.23	0.50	50		12/19/2022 21:42			
Dalapon	ND	0.32	0.50	50		12/19/2022 21:42			
DCPA (mono & diacid)	ND	0.21	0.50	50		12/19/2022 21:42			
Dicamba	ND	0.12	0.50	50		12/19/2022 21:42			
3,5-Dichlorobenzoic Acid	ND	0.17	0.50	50		12/19/2022 21:42			
Dichloroprop	ND	0.14	0.50	50		12/19/2022 21:42			
Dinoseb (DNBP)	ND	0.13	0.50	50		12/19/2022 21:42			
MCPA	ND	21	50	50		12/19/2022 21:42			
MCPP	ND	16	50	50		12/19/2022 21:42			
4-Nitrophenol	ND	0.36	0.50	50		12/19/2022 21:42			
Pentachlorophenol (PCP)	ND	0.095	0.50	50		12/19/2022 21:42			
Picloram	ND	0.18	0.50	50		12/19/2022 21:42			
2,4,5-T (Trichlorophenoxy acetic acid)	ND	0.13	0.50	50		12/19/2022 21:42			
2,4,5-TP (Silvex)	ND	0.10	0.50	50		12/19/2022 21:42			
<u>Surrogates</u>	<u>REC (%)</u>		<u>Limits</u>						
DCAA	93		60-140			12/19/2022 21:42			
Analyst(s): DP		<u>A</u>	nalytical Con	nments: a3	3				

Analytical Report

Client: WSP USA Corp **Date Received:** 12/15/2022 15:50 **Date Prepared:** 12/19/2022

Project: 31405786.000; Pittsburg Data Center

WorkOrder: 2212C57 Extraction Method: SW8151A

Analytical Method: SW8151A

Unit: mg/kg

Chlorinated Herbicides by GC-ECD								
Client ID	Lab ID	Matrix		Date Collected		Instrument	Batch ID	
WSP-PDC-04-5	2212C57-008A	Soil		12/14/2022	2 11:55	GC15A 12192229.D	260435	
Analytes	Result		<u>MDL</u>	<u>RL</u>	<u>DF</u>		Date Analyzed	
Acifluorfen	ND		0.0042	0.010	1		12/19/2022 22:07	
Bentazon	ND		0.0026	0.010	1		12/19/2022 22:07	
Chloramben	ND		0.0053	0.010	1		12/19/2022 22:07	
2,4-D (Dichlorophenoxyacetic acid)	ND		0.0038	0.010	1		12/19/2022 22:07	
2,4-DB	ND		0.0046	0.010	1		12/19/2022 22:07	
Dalapon	ND		0.0063	0.010	1		12/19/2022 22:07	
DCPA (mono & diacid)	ND		0.0042	0.010	1		12/19/2022 22:07	
Dicamba	ND		0.0025	0.010	1		12/19/2022 22:07	
3,5-Dichlorobenzoic Acid	ND		0.0034	0.010	1		12/19/2022 22:07	
Dichloroprop	ND		0.0028	0.010	1		12/19/2022 22:07	
Dinoseb (DNBP)	ND		0.0026	0.010	1		12/19/2022 22:07	
MCPA	ND		0.42	1.0	1		12/19/2022 22:07	
MCPP	ND		0.33	1.0	1		12/19/2022 22:07	
4-Nitrophenol	ND		0.0073	0.010	1		12/19/2022 22:07	
Pentachlorophenol (PCP)	ND		0.0019	0.010	1		12/19/2022 22:07	
Picloram	ND		0.0037	0.010	1		12/19/2022 22:07	
2,4,5-T (Trichlorophenoxy acetic acid)	ND		0.0026	0.010	1		12/19/2022 22:07	
2,4,5-TP (Silvex)	ND		0.0020	0.010	1		12/19/2022 22:07	
<u>Surrogates</u>	<u>REC (%)</u>			<u>Limits</u>				
DCAA	104			60-140			12/19/2022 22:07	
Analyst(s): DP								



 Client:
 WSP USA Corp

 Date Received:
 12/15/2022 15:50

 Date Prepared:
 12/21/2022

Project: 31405786.000; Pittsburg Data Center

WorkOrder: 2212C57
Extraction Method: SW3050B
Analytical Method: SW6020

Unit: mg/Kg

CAM / CCR 17 Metals								
Client ID	Lab ID	Matrix		Date Collected		Instrument	Batch ID	
WSP-PDC-01-0	2212C57-001A	Soil		12/14/2022	2 14:50	ICP-MS4 127SMPL.d	260519	
<u>Analytes</u>	<u>Result</u>	Qualifiers	<u>MDL</u>	<u>RL</u>	<u>DF</u>		Date Analyzed	
Antimony	0.34	J	0.12	0.50	1		12/22/2022 12:10	
Arsenic	4.7		0.11	0.50	1		12/22/2022 12:10	
Barium	120		0.71	5.0	1		12/22/2022 12:10	
Beryllium	0.45	J	0.10	0.50	1		12/22/2022 12:10	
Cadmium	0.17	J	0.092	0.50	1		12/22/2022 12:10	
Chromium	21		0.13	0.50	1		12/22/2022 12:10	
Cobalt	7.1		0.064	0.50	1		12/22/2022 12:10	
Copper	17		0.13	0.50	1		12/22/2022 12:10	
Lead	7.7		0.065	0.50	1		12/22/2022 12:10	
Mercury	0.038	J	0.038	0.050	1		12/22/2022 12:10	
Molybdenum	1.0		0.092	0.50	1		12/22/2022 12:10	
Nickel	19		0.080	0.50	1		12/22/2022 12:10	
Selenium	ND		0.21	0.50	1		12/22/2022 12:10	
Silver	0.077	J	0.057	0.50	1		12/22/2022 12:10	
Thallium	0.086	J	0.072	0.50	1		12/22/2022 12:10	
Vanadium	47		0.11	0.50	1		12/22/2022 12:10	
Zinc	55		2.5	5.0	1		12/22/2022 12:10	
Surrogates	REC (%)			<u>Limits</u>				
Terbium	100			70-130			12/22/2022 12:10	
Analyst(s): WV								



 Client:
 WSP USA Corp
 Work

 Date Received:
 12/15/2022 15:50
 Extra

 Date Prepared:
 12/21/2022
 Analy

Project: 31405786.000; Pittsburg Data Center U

WorkOrder: 2212C57
Extraction Method: SW3050B
Analytical Method: SW6020
Unit: mg/Kg

CAM / CCR 17 Metals									
Client ID	Lab ID	Matrix Soil		Date Collected 12/14/2022 15:10			Batch ID		
WSP-PDC-01-5	2212C57-002A						260519		
<u>Analytes</u>	Result	Qualifiers	<u>MDL</u>	<u>RL</u>	<u>DF</u>		Date Analyzed		
Antimony	0.35	J	0.12	0.50	1		12/22/2022 12:14		
Arsenic	4.6		0.11	0.50	1		12/22/2022 12:14		
Barium	160		0.71	5.0	1		12/22/2022 12:14		
Beryllium	0.62		0.10	0.50	1		12/22/2022 12:14		
Cadmium	0.093	J	0.092	0.50	1		12/22/2022 12:14		
Chromium	32		0.13	0.50	1		12/22/2022 12:14		
Cobalt	12		0.064	0.50	1		12/22/2022 12:14		
Copper	19		0.13	0.50	1		12/22/2022 12:14		
Lead	6.4		0.065	0.50	1		12/22/2022 12:14		
Mercury	ND		0.038	0.050	1		12/22/2022 12:14		
Molybdenum	0.33	J	0.092	0.50	1		12/22/2022 12:14		
Nickel	26		0.080	0.50	1		12/22/2022 12:14		
Selenium	ND		0.21	0.50	1		12/22/2022 12:14		
Silver	0.079	J	0.057	0.50	1		12/22/2022 12:14		
Thallium	0.15	J	0.072	0.50	1		12/22/2022 12:14		
Vanadium	66		0.11	0.50	1		12/22/2022 12:14		
Zinc	43		2.5	5.0	1		12/22/2022 12:14		
Surrogates	<u>REC (%)</u>			<u>Limits</u>					
Terbium	106			70-130			12/22/2022 12:14		
Analyst(s): WV									

2212C57



Analytical Report

 Client:
 WSP USA Corp

 Date Received:
 12/15/2022 15:50

 Date Prepared:
 12/21/2022

31405786.000; Pittsburg Data Center

Extraction Method: SW3050B Analytical Method: SW6020

Unit: mg/Kg

WorkOrder:

CAM / CCR 17 Metals **Client ID** Lab ID **Matrix Date Collected** Instrument **Batch ID** WSP-PDC-02-0 ICP-MS4 129SMPL.d 2212C57-003A 12/14/2022 12:50 Soil 260519 Qualifiers MDL <u>DF</u> <u>Analytes</u> Result <u>RL</u> **Date Analyzed** Antimony 0.31 0.12 0.50 12/22/2022 12:18 Arsenic 4.1 0.11 0.50 12/22/2022 12:18 Barium 84 0.71 5.0 1 12/22/2022 12:18 Beryllium 0.33 J 0.10 0.50 1 12/22/2022 12:18 J 0.092 Cadmium 0.50 1 12/22/2022 12:18 0.30 Chromium 0.13 0.50 12/22/2022 12:18 20 1 Cobalt 7.1 0.064 0.50 1 12/22/2022 12:18 Copper 15 0.13 0.50 12/22/2022 12:18 0.50 Lead 15 0.065 1 12/22/2022 12:18 Mercury 0.052 0.038 0.050 1 12/22/2022 12:18 0.60 0.092 0.50 12/22/2022 12:18 Molybdenum 1 17 0.080 0.50 12/22/2022 12:18 Nickel 1 Selenium ND 0.21 0.50 12/22/2022 12:18 Silver 0.096 J 0.057 0.50 12/22/2022 12:18 Thallium 0.082 J 0.072 0.50 12/22/2022 12:18 Vanadium 41 0.50 0.11 1 12/22/2022 12:18 Zinc 2.5 12/22/2022 12:18 57 5.0 **REC (%)** Surrogates <u>Limits</u> Terbium 88 70-130 12/22/2022 12:18

Analyst(s):

WV

Project:



Client:WSP USA CorpWorkOrder:2212C57Date Received:12/15/2022 15:50Extraction Method:SW3050BDate Prepared:12/21/2022Analytical Method:SW6020

CAM / CCR 17 Metals									
Client ID	Lab ID	Matrix		Date Collected		Instrument	Batch ID		
WSP-PDC-02-5	2212C57-004A	Soil		12/14/2022 13:25		ICP-MS4 130SMPL.d	260519		
<u>Analytes</u>	Result	Qualifiers	<u>MDL</u>	<u>RL</u>	<u>DF</u>		Date Analyzed		
Antimony	0.36	J	0.12	0.50	1		12/22/2022 12:22		
Arsenic	6.1		0.11	0.50	1		12/22/2022 12:22		
Barium	200		0.71	5.0	1		12/22/2022 12:22		
Beryllium	0.75		0.10	0.50	1		12/22/2022 12:22		
Cadmium	ND		0.092	0.50	1		12/22/2022 12:22		
Chromium	27		0.13	0.50	1		12/22/2022 12:22		
Cobalt	10		0.064	0.50	1		12/22/2022 12:22		
Copper	24		0.13	0.50	1		12/22/2022 12:22		
Lead	7.4		0.065	0.50	1		12/22/2022 12:22		
Mercury	ND		0.038	0.050	1		12/22/2022 12:22		
Molybdenum	0.34	J	0.092	0.50	1		12/22/2022 12:22		
Nickel	27		0.080	0.50	1		12/22/2022 12:22		
Selenium	ND		0.21	0.50	1		12/22/2022 12:22		
Silver	0.11	J	0.057	0.50	1		12/22/2022 12:22		
Thallium	0.16	J	0.072	0.50	1		12/22/2022 12:22		
Vanadium	77		0.11	0.50	1		12/22/2022 12:22		
Zinc	59		2.5	5.0	1		12/22/2022 12:22		
Surrogates	<u>REC (%)</u>			<u>Limits</u>					
Terbium	104			70-130			12/22/2022 12:22		
Analyst(s): WV									



Client:WSP USA CorpWorkOrder:2212C57Date Received:12/15/2022 15:50Extraction Method:SW3050BDate Prepared:12/21/2022Analytical Method:SW6020

Project: 31405786.000; Pittsburg Data Center **Unit:** mg/Kg

CAM / CCR 17 Metals **Client ID** Lab ID **Matrix Date Collected** Instrument **Batch ID** WSP-PDC-03-0 ICP-MS4 131SMPL.d 2212C57-005A 12/14/2022 12:10 Soil 260519 Qualifiers MDL <u>DF</u> <u>Analytes</u> Result <u>RL</u> **Date Analyzed** Antimony 0.29 0.12 0.50 12/22/2022 12:26 Arsenic 0.11 0.50 12/22/2022 12:26 3.6 Barium 110 0.71 5.0 1 12/22/2022 12:26 Beryllium 0.44 J 0.10 0.50 1 12/22/2022 12:26 J 0.092 Cadmium 0.50 1 12/22/2022 12:26 0.23 Chromium 0.13 0.50 12/22/2022 12:26 20 1 Cobalt 7.2 0.064 0.50 1 12/22/2022 12:26 Copper 15 0.13 0.50 12/22/2022 12:26 0.50 Lead 13 0.065 1 12/22/2022 12:26 J Mercury 0.048 0.038 0.050 1 12/22/2022 12:26 0.092 0.50 12/22/2022 12:26 Molybdenum 0.59 1 17 0.080 0.50 12/22/2022 12:26 Nickel 1 Selenium ND 0.21 0.50 12/22/2022 12:26 Silver 0.16 J 0.057 0.50 12/22/2022 12:26 Thallium 0.097 J 0.072 0.50 12/22/2022 12:26 Vanadium 46 0.50 0.11 1 12/22/2022 12:26 2.5 Zinc 12/22/2022 12:26 49 5.0 **REC (%)** Surrogates <u>Limits</u> Terbium 90 70-130 12/22/2022 12:26 Analyst(s): WV



 Client:
 WSP USA Corp

 Date Received:
 12/15/2022 15:50

 Date Prepared:
 12/21/2022

Project: 31405786.000; Pittsburg Data Center

WorkOrder: 2212C57
Extraction Method: SW3050B
Analytical Method: SW6020

Unit: mg/Kg

CAM / CCR 17 Metals										
Client ID	Lab ID	Matrix		Date Collected		Instrument	Batch ID			
WSP-PDC-03-5	2212C57-006A	Soil		12/14/2022	2 12:30	ICP-MS4 132SMPL.d	260519			
Analytes	Result	Qualifiers	<u>MDL</u>	<u>RL</u>	<u>DF</u>		Date Analyzed			
Antimony	0.35	J	0.12	0.50	1		12/22/2022 12:30			
Arsenic	5.5		0.11	0.50	1		12/22/2022 12:30			
Barium	190		0.71	5.0	1		12/22/2022 12:30			
Beryllium	0.61		0.10	0.50	1		12/22/2022 12:30			
Cadmium	0.14	J	0.092	0.50	1		12/22/2022 12:30			
Chromium	28		0.13	0.50	1		12/22/2022 12:30			
Cobalt	9.4		0.064	0.50	1		12/22/2022 12:30			
Copper	19		0.13	0.50	1		12/22/2022 12:30			
Lead	6.4		0.065	0.50	1		12/22/2022 12:30			
Mercury	ND		0.038	0.050	1		12/22/2022 12:30			
Molybdenum	0.31	J	0.092	0.50	1		12/22/2022 12:30			
Nickel	23		0.080	0.50	1		12/22/2022 12:30			
Selenium	ND		0.21	0.50	1		12/22/2022 12:30			
Silver	ND		0.057	0.50	1		12/22/2022 12:30			
Thallium	0.15	J	0.072	0.50	1		12/22/2022 12:30			
Vanadium	59		0.11	0.50	1		12/22/2022 12:30			
Zinc	51		2.5	5.0	1		12/22/2022 12:30			
Surrogates	<u>REC (%)</u>			<u>Limits</u>						
Terbium	107			70-130			12/22/2022 12:30			
Analyst(s): WV										



Client: WSP USA Corp **Date Received:** 12/15/2022 15:50 **Date Prepared:** 12/21/2022

Project: 31405786.000; Pittsburg Data Center

WorkOrder: 2212C57
Extraction Method: SW3050B
Analytical Method: SW6020

Unit: mg/Kg

CAM / CCR 17 Metals										
Client ID	Lab ID	Matrix Soil		Date Collected 12/14/2022 11:40		Instrument ICP-MS4 133SMPL.d	Batch ID			
WSP-PDC-04-0	2212C57-007A						260519			
<u>Analytes</u>	Result	Qualifiers	<u>MDL</u>	<u>RL</u>	<u>DF</u>		Date Analyzed			
Antimony	0.31	J	0.12	0.50	1		12/22/2022 12:34			
Arsenic	3.1		0.11	0.50	1		12/22/2022 12:34			
Barium	120		0.71	5.0	1		12/22/2022 12:34			
Beryllium	0.40	J	0.10	0.50	1		12/22/2022 12:34			
Cadmium	0.21	J	0.092	0.50	1		12/22/2022 12:34			
Chromium	20		0.13	0.50	1		12/22/2022 12:34			
Cobalt	6.3		0.064	0.50	1		12/22/2022 12:34			
Copper	16		0.13	0.50	1		12/22/2022 12:34			
Lead	21		0.065	0.50	1		12/22/2022 12:34			
Mercury	0.064		0.038	0.050	1		12/22/2022 12:34			
Molybdenum	0.83		0.092	0.50	1		12/22/2022 12:34			
Nickel	17		0.080	0.50	1		12/22/2022 12:34			
Selenium	ND		0.21	0.50	1		12/22/2022 12:34			
Silver	0.075	J	0.057	0.50	1		12/22/2022 12:34			
Thallium	0.10	J	0.072	0.50	1		12/22/2022 12:34			
Vanadium	38		0.11	0.50	1		12/22/2022 12:34			
Zinc	66		2.5	5.0	1		12/22/2022 12:34			
<u>Surrogates</u>	<u>REC (%)</u>			<u>Limits</u>						
Terbium	73			70-130			12/22/2022 12:34			
Analyst(s): WV										

Analytical Report

 Client:
 WSP USA Corp

 Date Received:
 12/15/2022 15:50

 Date Prepared:
 12/21/2022

Project: 31405786.000; Pittsburg Data Center

WorkOrder: 2212C57
Extraction Method: SW3050B
Analytical Method: SW6020

Unit: mg/Kg

CAM / CCR 17 Metals										
Client ID	Lab ID	Matrix		Date Collected		Instrument	Batch ID			
WSP-PDC-04-5	2212C57-008A	Soil		12/14/2022	2 11:55	ICP-MS4 136SMPL.d	d 260519			
Analytes	<u>Result</u>	Qualifiers	<u>MDL</u>	<u>RL</u>	<u>DF</u>		Date Analyzed			
Antimony	0.40	J	0.12	0.50	1		12/22/2022 12:46			
Arsenic	6.2		0.11	0.50	1		12/22/2022 12:46			
Barium	140		0.71	5.0	1		12/22/2022 12:46			
Beryllium	0.80		0.10	0.50	1		12/22/2022 12:46			
Cadmium	ND		0.092	0.50	1		12/22/2022 12:46			
Chromium	29		0.13	0.50	1		12/22/2022 12:46			
Cobalt	12		0.064	0.50	1		12/22/2022 12:46			
Copper	23		0.13	0.50	1		12/22/2022 12:46			
Lead	7.7		0.065	0.50	1		12/22/2022 12:46			
Mercury	ND		0.038	0.050	1		12/22/2022 12:46			
Molybdenum	0.36	J	0.092	0.50	1		12/22/2022 12:46			
Nickel	28		0.080	0.50	1		12/22/2022 12:46			
Selenium	ND		0.21	0.50	1		12/22/2022 12:46			
Silver	0.079	J	0.057	0.50	1		12/22/2022 12:46			
Thallium	0.19	J	0.072	0.50	1		12/22/2022 12:46			
Vanadium	72		0.11	0.50	1		12/22/2022 12:46			
Zinc	58		2.5	5.0	1		12/22/2022 12:46			
Surrogates	<u>REC (%)</u>			<u>Limits</u>						
Terbium	108			70-130			12/22/2022 12:46			

Analyst(s): AL



Client: WSP USA Corp WorkOrder: 2212C57 **Date Received:** 12/15/2022 15:50 **Extraction Method: SW5035**

Date Prepared: 12/16/2022-12/23/2022 Analytical Method: SW8021B/8015Bm

Project: 31405786.000; Pittsburg Data Center Unit: mg/Kg

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE

Client ID	Lab ID	Matrix		Date Collected		Instrument	Batch ID
WSP-PDC-01-0	2212C57-001A	Soil	ı	12/14/2022	14:50	GC3 12232206.D	260855
<u>Analytes</u>	<u>Result</u>		<u>MDL</u>	<u>RL</u>	<u>DF</u>		Date Analyzed
TPH(g) (C6-C12)	ND		0.55	1.0	1		12/23/2022 13:52
MTBE			0.0026	0.050	1		12/23/2022 13:52
Benzene			0.0018	0.0050	1		12/23/2022 13:52
Toluene			0.0022	0.0050	1		12/23/2022 13:52
Ethylbenzene			0.0015	0.0050	1		12/23/2022 13:52
m,p-Xylene			0.0026	0.010	1		12/23/2022 13:52
o-Xylene			0.00098	0.0050	1		12/23/2022 13:52
Xylenes			NA	0.0050	1		12/23/2022 13:52
<u>Surrogates</u>	<u>REC (%)</u>			<u>Limits</u>			

62-126

75

2-Fluorotoluene Analyst(s): IA

Client ID	Lab ID	Matrix	Date Collected		Instrument	Batch ID	
WSP-PDC-01-5	2212C57-002A	Soil		12/14/2022 15:10		GC7 12192231.D	260411
<u>Analytes</u>	Result		<u>MDL</u>	<u>RL</u>	<u>DF</u>		Date Analyzed
TPH(g) (C6-C12)	ND		0.55	1.0	1		12/20/2022 01:02
MTBE			0.0026	0.050	1		12/20/2022 01:02
Benzene			0.0018	0.0050	1		12/20/2022 01:02
Toluene			0.0022	0.0050	1		12/20/2022 01:02
Ethylbenzene			0.0015	0.0050	1		12/20/2022 01:02
m,p-Xylene			0.0026	0.010	1		12/20/2022 01:02
o-Xylene			0.00098	0.0050	1		12/20/2022 01:02
Xylenes			NA	0.0050	1		12/20/2022 01:02
Surrogates	REC (%)			<u>Limits</u>			
2-Fluorotoluene	81			62-126			12/20/2022 01:02
Analyst(s): IA							

12/23/2022 13:52



Client: WSP USA Corp WorkOrder: 2212C57 **Date Received:** 12/15/2022 15:50 **Extraction Method: SW5035**

Date Prepared: 12/16/2022-12/23/2022 Analytical Method: SW8021B/8015Bm

Project: 31405786.000; Pittsburg Data Center Unit: mg/Kg

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE

Client ID	Lab ID	Matrix		Date Collected		Instrument	Batch ID
WSP-PDC-02-0	2212C57-003A	Soil		12/14/2022	12:50	GC7 12212242.D	260687
<u>Analytes</u>	Result		<u>MDL</u>	<u>RL</u>	<u>DF</u>		Date Analyzed
TPH(g) (C6-C12)	ND		0.55	1.0	1		12/22/2022 07:31
MTBE			0.0026	0.050	1		12/22/2022 07:31
Benzene			0.0018	0.0050	1		12/22/2022 07:31
Toluene			0.0022	0.0050	1		12/22/2022 07:31
Ethylbenzene			0.0015	0.0050	1		12/22/2022 07:31
m,p-Xylene			0.0026	0.010	1		12/22/2022 07:31
o-Xylene			0.00098	0.0050	1		12/22/2022 07:31
Xylenes			NA	0.0050	1		12/22/2022 07:31
Surrogates	REC (%)			<u>Limits</u>			
2-Fluorotoluene	82			62-126			12/22/2022 07:31

Analyst(s): IA

Client ID	Lab ID	Matrix	Date Collected		Instrument	Batch ID	
WSP-PDC-02-5	2212C57-004A	Soil	12/14/2022		13:25	GC7 12192232.D	260411
Analytes	Result		<u>MDL</u>	<u>RL</u>	<u>DF</u>		Date Analyzed
TPH(g) (C6-C12)	ND		0.55	1.0	1		12/20/2022 01:32
MTBE			0.0026	0.050	1		12/20/2022 01:32
Benzene			0.0018	0.0050	1		12/20/2022 01:32
Toluene			0.0022	0.0050	1		12/20/2022 01:32
Ethylbenzene			0.0015	0.0050	1		12/20/2022 01:32
m,p-Xylene			0.0026	0.010	1		12/20/2022 01:32
o-Xylene			0.00098	0.0050	1		12/20/2022 01:32
Xylenes			NA	0.0050	1		12/20/2022 01:32
Surrogates	<u>REC (%)</u>			<u>Limits</u>			
2-Fluorotoluene	80			62-126			12/20/2022 01:32
Analyst(s): IA							



 Client:
 WSP USA Corp
 WorkOrder:
 2212C57

 Date Received:
 12/15/2022 15:50
 Extraction Method:
 SW5035

Project: 31405786.000; Pittsburg Data Center Unit: mg/Kg

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE

Client ID	Lab ID	Matrix		Date Collected		Instrument	Batch ID
WSP-PDC-03-0	2212C57-005A	Soil		12/14/2022	12:10	GC7 12192234.D	260411
<u>Analytes</u>	<u>Result</u>	Qualifiers	<u>MDL</u>	<u>RL</u>	<u>DF</u>		Date Analyzed
TPH(g) (C6-C12)	0.75	J	0.55	1.0	1		12/20/2022 02:31
MTBE			0.0026	0.050	1		12/20/2022 02:31
Benzene			0.0018	0.0050	1		12/20/2022 02:31
Toluene			0.0022	0.0050	1		12/20/2022 02:31
Ethylbenzene			0.0015	0.0050	1		12/20/2022 02:31
m,p-Xylene			0.0026	0.010	1		12/20/2022 02:31
o-Xylene			0.00098	0.0050	1		12/20/2022 02:31
Xylenes			NA	0.0050	1		12/20/2022 02:31
Surrogates	<u>REC (%)</u>			<u>Limits</u>			
2-Fluorotoluene	84			62-126			12/20/2022 02:31

Analyst(s): IA

Client ID	Lab ID	Matrix	Date Collected		Instrument	Batch ID	
WSP-PDC-03-5	2212C57-006A	Soil		12/14/2022 12:30		GC7 12192233.D	260411
<u>Analytes</u>	Result		<u>MDL</u>	<u>RL</u>	<u>DF</u>		Date Analyzed
TPH(g) (C6-C12)	ND		0.55	1.0	1		12/20/2022 02:01
MTBE			0.0026	0.050	1		12/20/2022 02:01
Benzene			0.0018	0.0050	1		12/20/2022 02:01
Toluene			0.0022	0.0050	1		12/20/2022 02:01
Ethylbenzene			0.0015	0.0050	1		12/20/2022 02:01
m,p-Xylene			0.0026	0.010	1		12/20/2022 02:01
o-Xylene			0.00098	0.0050	1		12/20/2022 02:01
Xylenes			NA	0.0050	1		12/20/2022 02:01
<u>Surrogates</u>	REC (%)			<u>Limits</u>			
2-Fluorotoluene	91			62-126			12/20/2022 02:01
Analyst(s): IA							

Analytical Report

 Client:
 WSP USA Corp
 WorkOrder:
 2212C57

 Date Received:
 12/15/2022 15:50
 Extraction Method:
 SW5035

Project: 31405786.000; Pittsburg Data Center **Unit:** mg/Kg

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE

Client ID	Lab ID	Matrix]	Date Collected		Instrument	Batch ID	
WSP-PDC-04-0	2212C57-007A	Soil	12/14/2022 11:40			GC7 12202215.D	260411	
Analytes	Result		<u>MDL</u>	<u>RL</u>	<u>DF</u>		Date Analyzed	
TPH(g) (C6-C12)	1.6		0.55	1.0	1		12/20/2022 19:20	
MTBE			0.0026	0.050	1		12/20/2022 19:20	
Benzene			0.0018	0.0050	1		12/20/2022 19:20	
Toluene			0.0022	0.0050	1		12/20/2022 19:20	
Ethylbenzene			0.0015	0.0050	1		12/20/2022 19:20	
m,p-Xylene			0.0026	0.010	1		12/20/2022 19:20	
o-Xylene			0.00098	0.0050	1		12/20/2022 19:20	
Xylenes			NA	0.0050	1		12/20/2022 19:20	
Surrogates	<u>REC (%)</u>			<u>Limits</u>				
2-Fluorotoluene	78			62-126			12/20/2022 19:20	

Analyst(s): IA Analytical Comments: d9

Client ID Lab ID Matrix **Date Collected** Instrument **Batch ID** WSP-PDC-04-5 2212C57-008A Soil 12/14/2022 11:55 GC7 12192237.D 260411 **Analytes** <u>DF</u> Result **MDL** <u>RL</u> **Date Analyzed** TPH(g) (C6-C12) ND 0.55 1.0 12/20/2022 04:00 **MTBE** 0.0026 0.050 12/20/2022 04:00 0.0018 0.0050 12/20/2022 04:00 Benzene Toluene 0.0022 0.0050 1 12/20/2022 04:00 0.0015 0.0050 1 12/20/2022 04:00 Ethylbenzene m,p-Xylene 0.0026 0.010 12/20/2022 04:00 o-Xylene 0.00098 0.0050 12/20/2022 04:00 **Xylenes** NΑ 0.0050 12/20/2022 04:00 **REC (%)** Surrogates <u>Limits</u> 62-126 2-Fluorotoluene 79 12/20/2022 04:00 Analyst(s): IA



Client:WSP USA CorpWorkOrder:2212C57Date Received:12/15/2022 15:50Extraction Method:SW3550BDate Prepared:12/16/2022Analytical Method:SW8015BProject:31405786.000; Pittsburg Data CenterUnit:mg/Kg

Total Extractable Petroleum Hydrocarbons w/out SG Clean-Up								
Client ID	Lab ID	Matrix		Date Collected		Instrument	Batch ID	
WSP-PDC-01-0	-PDC-01-0 2212C57-001A Soil 12/14/2022 14:5		2 14:50	GC6A 12212230.D	260413			
<u>Analytes</u>	<u>Result</u>	Qualifiers	<u>MDL</u>	<u>RL</u>	<u>DF</u>		Date Analyzed	
TPH-Diesel (C10-C23)	2.3		1.2	2.0	1		12/22/2022 02:41	
TPH-Motor Oil (C18-C36)	7.8	J	5.0	10	1		12/22/2022 02:41	
Surrogates	<u>REC (%)</u>			<u>Limits</u>				
C9	82			70-130)		12/22/2022 02:41	
Analyst(s): JIS			<u> </u>	nalytical Co	mments: e2	2		
Client ID	Lab ID	Matrix		Date Col	llected	Instrument	Batch ID	
WSP-PDC-01-5	2212C57-002A	Soil		12/14/202	2 15:10	GC9a 12222214.D	260413	
Analytes	<u>Result</u>		<u>MDL</u>	<u>RL</u>	<u>DF</u>		Date Analyzed	
TPH-Diesel (C10-C23)	ND		1.2	2.0	1		12/22/2022 21:20	
TPH-Motor Oil (C18-C36)	ND		5.0	10	1		12/22/2022 21:20	
Surrogates	REC (%)			<u>Limits</u>				
C9	87			70-130)		12/22/2022 21:20	
Analyst(s): JIS								
Client ID	Lab ID	Matrix		Date Col	llected	Instrument	Batch ID	
WSP-PDC-02-0	2212C57-003A	Soil		12/14/202	2 12:50	GC9a 12222216.D	260413	
<u>Analytes</u>	<u>Result</u>	Qualifiers	<u>MDL</u>	<u>RL</u>	<u>DF</u>		Date Analyzed	
TPH-Diesel (C10-C23)	ND		1.2	2.0	1		12/22/2022 21:59	
TPH-Motor Oil (C18-C36)	8.4	J	5.0	10	1		12/22/2022 21:59	
Surrogates	<u>REC (%)</u>			<u>Limits</u>				
C9	89			70-130)		12/22/2022 21:59	
Analyst(s): JIS								



Client:WSP USA CorpWorkOrder:2212C57Date Received:12/15/2022 15:50Extraction Method:SW3550BDate Prepared:12/16/2022Analytical Method:SW8015BProject:31405786.000; Pittsburg Data CenterUnit:mg/Kg

Total Extractable Petroleum Hydrocarbons w/out SG Clean-Up								
Client ID	Lab ID Matrix Date Collected		llected	Instrument	Batch ID			
WSP-PDC-02-5	2212C57-004A	Soil		12/14/2022 13:25		GC6A 12212248.D	260413	
Analytes	Result		MDL	<u>RL</u>	<u>DF</u>		Date Analyzed	
TPH-Diesel (C10-C23)	ND		1.2	2.0	1		12/22/2022 08:32	
TPH-Motor Oil (C18-C36)	ND		5.0	10	1		12/22/2022 08:32	
Surrogates	<u>REC (%)</u>			<u>Limits</u>				
C9	76			70-130)		12/22/2022 08:32	
Analyst(s): JIS								
Client ID	Lab ID	Matri	X	Date Co	llected	Instrument	Batch ID	
WSP-PDC-03-0	2212C57-005A	Soil		12/14/202	22 12:10	GC9b 12222215.D	260413	
Analytes	Result		<u>MDL</u>	<u>RL</u>	<u>DF</u>		Date Analyzed	
TPH-Diesel (C10-C23)	ND		1.2	2.0	1		12/22/2022 21:59	
TPH-Motor Oil (C18-C36)	ND		5.0	10	1		12/22/2022 21:59	
Surrogates	<u>REC (%)</u>			<u>Limits</u>				
C9	87			70-130)		12/22/2022 21:59	
Analyst(s): JIS								
Client ID	Lab ID	Matri	X	Date Co	llected	Instrument	Batch ID	
WSP-PDC-03-5	2212C57-006A	Soil		12/14/202	22 12:30	GC9b 12222213.D	260413	
Analytes	<u>Result</u>		<u>MDL</u>	<u>RL</u>	<u>DF</u>		Date Analyzed	
TPH-Diesel (C10-C23)	ND		1.2	2.0	1		12/22/2022 21:20	
TPH-Motor Oil (C18-C36)	ND		5.0	10	1		12/22/2022 21:20	
Surrogates	<u>REC (%)</u>			<u>Limits</u>				
C9	88			70-130)		12/22/2022 21:20	
Analyst(s): JIS								

Analytical Report

Client:WSP USA CorpWorkOrder:2212C57Date Received:12/15/2022 15:50Extraction Method:SW3550BDate Prepared:12/16/2022Analytical Method:SW8015BProject:31405786.000; Pittsburg Data CenterUnit:mg/Kg

ND

ND

81

REC (%)

Total Extractable Petroleum Hydrocarbons w/out SG Clean-Up									
Client ID	Lab ID	Matrix		Date Collected		Instrument	Batch ID		
WSP-PDC-04-0	2212C57-007A	Soil		12/14/2022 11:40 GC6A 12212252.D		12/14/2022 11:40 GC6A		GC6A 12212252.D	260413
<u>Analytes</u>	Result		<u>MDL</u>	<u>RL</u>	<u>DF</u>		Date Analyzed		
TPH-Diesel (C10-C23)	2.5		1.2	2.0	1		12/22/2022 09:49		
TPH-Motor Oil (C18-C36)	10		5.0	10	1		12/22/2022 09:49		
<u>Surrogates</u>	<u>REC (%)</u>			<u>Limits</u>					
C9	80			70-130)		12/22/2022 09:49		
Analyst(s): JIS			Δ	nalytical Co	mments: e	7,e2			
Client ID	Lab ID	Matrix	•	Date Co	llected	Instrument	Batch ID		
WSP-PDC-04-5	2212C57-008A	Soil		12/14/202	22 11:55	GC6A 12212250.D	260413		
<u>Analytes</u>	Result		MDL	<u>RL</u>	<u>DF</u>		Date Analyzed		

1.2

2.0

Limits

70-130

1

TPH-Diesel (C10-C23)

Surrogates

Analyst(s): JIS

C9

TPH-Motor Oil (C18-C36)

12/22/2022 09:11

12/22/2022 09:11

12/22/2022 09:11

Quality Control Report

 Client:
 WSP USA Corp
 WorkOrder:
 2212C57

 Date Prepared:
 12/21/2022
 BatchID:
 260704

Date Analyzed: 12/21/2022 Extraction Method: SW3550B/3640Am/3630Cm

Instrument: GC40 **Analytical Method:** SW8081A/8082

Matrix: Soil Unit: mg/kg

Project: 31405786.000; Pittsburg Data Center Sample ID: MB/LCS/LCSD-260704

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Aldrin	ND	0.000036	0.00010	-	-	-
a-BHC	ND	0.000025	0.00010	-	-	-
b-BHC	ND	0.00025	0.00030	-	-	-
d-BHC	ND	0.00013	0.00020	-	-	-
g-BHC	ND	0.000066	0.00010	-	-	-
Chlordane (Technical)	ND	0.00043	0.0025	-	-	-
a-Chlordane	ND	0.000095	0.00010	-	-	-
g-Chlordane	ND	0.000047	0.00010	-	-	-
p,p-DDD	ND	0.000043	0.00010	-	-	-
p,p-DDE	ND	0.000094	0.00010	-	-	-
p,p-DDT	ND	0.000092	0.00010	-	-	-
Dieldrin	ND	0.000061	0.00010	-	-	-
Endosulfan I	ND	0.000048	0.00010	-	-	-
Endosulfan II	ND	0.000076	0.00010	-	-	-
Endosulfan sulfate	ND	0.000078	0.00010	-	-	-
Endrin	ND	0.000035	0.00010	-	-	-
Endrin aldehyde	ND	0.000067	0.00010	-	-	-
Endrin ketone	ND	0.000084	0.00010	-	-	-
Heptachlor	ND	0.000040	0.00010	-	-	-
Heptachlor epoxide	ND	0.000054	0.00010	-	-	-
Hexachlorobenzene	ND	0.00011	0.0010	-	-	-
Hexachlorocyclopentadiene	ND	0.00034	0.0020	-	-	-
Methoxychlor	ND	0.00013	0.00020	-	-	-
Toxaphene	ND	0.0034	0.0050	-	-	-
Aroclor1016	ND	0.0020	0.0050	-	-	-
Aroclor1221	ND	0.0022	0.0050	-	-	-
Aroclor1232	ND	0.0022	0.0050	-	-	-
Aroclor1242	ND	0.0022	0.0050	-	-	-
Aroclor1248	ND	0.0022	0.0050	-	-	-
Aroclor1254	ND	0.0022	0.0050	-	-	-
Aroclor1260	ND	0.0022	0.0050	-	-	-
Surrogate Recovery						
Decachlorobiphenyl	0.0044			0.005	87	28-170

Quality Control Report

 Client:
 WSP USA Corp
 WorkOrder:
 2212C57

 Date Prepared:
 12/21/2022
 BatchID:
 260704

Date Analyzed: 12/21/2022 **Extraction Method:** SW3550B/3640Am/3630Cm

Instrument: GC40 **Analytical Method:** SW8081A/8082

Matrix: Soil Unit: mg/kg

Project: 31405786.000; Pittsburg Data Center Sample ID: MB/LCS/LCSD-260704

QC Summary Report for SW8081A/8082 RPD Analyte LCS **LCSD SPK** LCS **LCSD** LCS/LCSD RPD Result Result Val %REC %REC Limits Limit 0.0032 0.0034 67 31-155 3.94 20 Aldrin 0.0050 65 a-BHC 0.0033 0.0034 0.0050 66 69 32-160 3.58 20 44-149 b-BHC 0.0028 0.0029 0.0050 56 59 4.59 20 d-BHC 0.0035 0.0037 0.0050 71 73 37-157 3.32 20 g-BHC 0.0034 0.0035 0.0050 68 70 43-154 3.01 20 a-Chlordane 0.0031 0.0032 0.0050 61 64 39-150 4.74 20 0.0030 g-Chlordane 0.0031 62 39-151 5.07 20 0.0050 59 p,p-DDD 0.0033 0.0034 0.0050 66 68 30-158 2.88 20 p,p-DDE 0.0032 0.0034 0.0050 65 67 47-149 4.33 20 p,p-DDT 0.0037 0.0038 0.0050 74 75 56-166 1.83 20 66 20 Dieldrin 0.0033 0.0034 0.0050 68 50-163 2.31 Endosulfan I 0.0033 0.0034 65 67 45-159 3.37 20 0.0050 20 Endosulfan II 0.0033 0.0033 0.0050 66 66 41-155 0.654 0.0033 0.0036 66 72 45-156 8.07 20 Endosulfan sulfate 0.0050 86 0.815 20 Endrin 0.0043 0.0043 0.0050 85 54-154 27-159 65 69 20 Endrin aldehyde 0.0033 0.0034 0.0050 5.51 Endrin ketone 0.0037 0.0037 0.0050 73 74 40-147 0.706 20 20 0.0040 0.0042 80 83 52-165 3.80 Heptachlor 0.0050 Heptachlor epoxide 0.0031 0.0033 0.0050 63 66 46-145 5.25 20 0.0031 0.0031 0.0050 62 63 22-156 1.90 20 Hexachlorobenzene 0.0034 43-173 20 Hexachlorocyclopentadiene 0.0034 0.0050 68 67 1.53 Methoxychlor 0.0040 0.0046 0.0050 80 92 49-150 14.1 20 Aroclor1016 0.012 0.013 0.015 82 86 49-120 5.66 20 Aroclor1260 0.011 0.012 0.015 76 80 48-160 4.24 20 **Surrogate Recovery** Decachlorobiphenyl 0.0044 0.0042 0.0050 89 85 28-170 4.55 20

Quality Control Report

Client:WSP USA CorpWorkOrder:2212C57Date Prepared:12/19/2022BatchID:260435Date Analyzed:12/19/2022Extraction Method:SW8151AInstrument:GC15AAnalytical Method:SW8151AMatrix:SoilUnit:mg/kg

Project: 31405786.000; Pittsburg Data Center **Sample ID:** MB/LCS/LCSD-260435

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Acifluorfen	ND	0.0042	0.010	-	-	-
Bentazon	ND	0.0026	0.010	-	-	-
Chloramben	ND	0.0053	0.010	-	-	-
2,4-D (Dichlorophenoxyacetic acid)	ND	0.0038	0.010	-	-	-
2,4-DB	ND	0.0046	0.010	-	-	-
Dalapon	ND	0.0063	0.010	-	-	-
DCPA (mono & diacid)	ND	0.0042	0.010	-	-	-
Dicamba	ND	0.0025	0.010	-	-	-
3,5-Dichlorobenzoic Acid	ND	0.0034	0.010	-	-	-
Dichloroprop	ND	0.0028	0.010	-	-	-
Dinoseb (DNBP)	ND	0.0026	0.010	-	-	-
MCPA	ND	0.42	1.0	-	-	-
MCPP	ND	0.33	1.0	-	-	-
4-Nitrophenol	ND	0.0073	0.010	-	-	-
Pentachlorophenol (PCP)	ND	0.0019	0.010	-	-	-
Picloram	ND	0.0037	0.010	-	-	-
2,4,5-T (Trichlorophenoxy acetic acid)	ND	0.0026	0.010	-	-	-
2,4,5-TP (Silvex)	ND	0.0020	0.010	-	-	-

Quality Control Report

Client:WSP USA CorpWorkOrder:2212C57Date Prepared:12/19/2022BatchID:260435Date Analyzed:12/19/2022Extraction Method:SW8151AInstrument:GC15AAnalytical Method:SW8151AMatrix:SoilUnit:mg/kg

Project: 31405786.000; Pittsburg Data Center **Sample ID:** MB/LCS/LCSD-260435

QC Summary Report for SW8151A								
Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Acifluorfen	0.11	0.11	0.10	109	109	60-140	0.302	30
Bentazon	0.11	0.11	0.10	112	112	60-140	0.355	30
Chloramben	0.11	0.12	0.10	113	119	60-140	5.28	30
2,4-D (Dichlorophenoxyacetic acid)	0.11	0.11	0.10	110	110	67-147	0.0411	30
2,4-DB	0.10	0.098	0.10	100	98	61-152	1.98	30
Dalapon	0.11	0.10	0.10	107	101	54-153	5.77	30
DCPA (mono & diacid)	0.10	0.10	0.10	102	102	60-140	0.488	30
Dicamba	0.11	0.10	0.10	107	104	60-146	2.51	30
3,5-Dichlorobenzoic Acid	0.11	0.11	0.10	110	107	60-140	2.67	30
Dichloroprop	0.11	0.11	0.10	109	108	60-140	0.852	30
Dinoseb (DNBP)	0.10	0.11	0.10	104	106	60-140	1.91	30
MCPA	10	9.9	10	100	99	60-140	0.747	30
MCPP	9.7	9.3	10	97	93	60-140	4.21	30
4-Nitrophenol	0.086	0.083	0.10	86	83	60-140	2.91	30
Pentachlorophenol (PCP)	0.11	0.11	0.10	112	112	60-140	0.320	30
Picloram	0.11	0.11	0.10	107	108	60-140	0.745	30
2,4,5-T (Trichlorophenoxy acetic acid)	0.11	0.11	0.10	110	111	60-140	1.30	30
2,4,5-TP (Silvex)	0.10	0.10	0.10	103	104	63-145	0.607	30
Surrogate Recovery								
DCAA	0.12	0.12	0.10	117	115	63-129	1.79	30



Quality Control Report

 Client:
 WSP USA Corp
 WorkOrder:
 2212C57

 Date Prepared:
 12/21/2022
 BatchID:
 260519

 Date Analyzed:
 12/21/2022
 Extraction Method:
 SW3050B

 Instrument:
 ICP-MS5
 Analytical Method:
 SW6020

 Matrix:
 Soil
 Unit:
 mg/kg

Project: 31405786.000; Pittsburg Data Center Sample ID: MB/LCS/LCSD-260519

	QC Summar	ry Report for	Metals			
Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Antimony	ND	0.12	0.50	-	-	-
Arsenic	ND	0.11	0.50	-	-	-
Barium	ND	0.71	5.0	-	-	-
Beryllium	ND	0.10	0.50	-	-	-
Cadmium	ND	0.092	0.50	-	-	-
Chromium	ND	0.13	0.50	-	-	-
Cobalt	ND	0.064	0.50	-	-	-
Copper	ND	0.13	0.50	-	-	-
Lead	ND	0.065	0.50	-	-	-
Mercury	ND	0.038	0.050	-	-	-
Molybdenum	ND	0.092	0.50	-	-	-
Nickel	ND	0.080	0.50	-	-	-
Selenium	ND	0.21	0.50	-	-	-
Silver	ND	0.057	0.50	-	-	-
Thallium	ND	0.072	0.50	-	-	-
Vanadium	ND	0.11	0.50	-	-	-
Zinc	ND	2.5	5.0	-	-	-
Surrogate Recovery						
Terbium	530			500	107	70-130

Matrix:

Soil

1534 Willow Pass Road, Pittsburg, CA 94565-1701 Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269 http://www.mccampbell.com / E-mail: main@mccampbell.com

Quality Control Report

Unit:

Client:WSP USA CorpWorkOrder:2212C57Date Prepared:12/21/2022BatchID:260519Date Analyzed:12/21/2022Extraction Method:SW3050BInstrument:ICP-MS5Analytical Method:SW6020

Project: 31405786.000; Pittsburg Data Center Sample ID: MB/LCS/LCSD-260519

	QC Sur	mmary R	eport for M	letals				
Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Antimony	47	45	50	95	91	75-125	4.19	20
Arsenic	51	48	50	102	96	75-125	6.41	20
Barium	510	480	500	102	96	75-125	6.12	20
Beryllium	49	47	50	98	94	75-125	4.50	20
Cadmium	50	48	50	100	95	75-125	5.46	20
Chromium	52	49	50	103	98	75-125	5.62	20
Cobalt	51	49	50	102	98	75-125	4.12	20
Copper	51	48	50	102	96	75-125	5.86	20
Lead	49	47	50	98	94	75-125	4.02	20
Mercury	1.2	1.2	1.25	97	92	75-125	4.99	20
Molybdenum	50	48	50	100	96	75-125	4.08	20
Nickel	50	48	50	100	96	75-125	4.94	20
Selenium	51	49	50	102	98	75-125	4.24	20
Silver	47	45	50	93	90	75-125	3.35	20
Thallium	50	48	50	100	96	75-125	4.11	20
Vanadium	50	48	50	101	95	75-125	5.70	20
Zinc	510	480	500	101	96	75-125	5.43	20
Surrogate Recovery								
Terbium	520	520	500	105	104	70-130	0.894	20

Quality Control Report

 Client:
 WSP USA Corp
 WorkOrder:
 2212C57

 Date Prepared:
 12/16/2022
 BatchID:
 260411

 Date Analyzed:
 12/18/2022 - 12/19/2022
 Extraction Method:
 SW5035

Instrument: GC7 **Analytical Method:** SW8021B/8015Bm

Matrix: Soil Unit: mg/Kg

Project: 31405786.000; Pittsburg Data Center **Sample ID:** MB/LCS/LCSD-260411

QC Summary Report for SW8021B/8015Bm

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
TPH(g) (C6-C12)	ND	0.55	1.0	-	-	-
MTBE	ND	0.0026	0.050	-	-	-
Benzene	ND	0.0018	0.0050	-	-	-
Toluene	ND	0.0022	0.0050	-	-	-
Ethylbenzene	ND	0.0015	0.0050	-	-	-
m,p-Xylene	ND	0.0026	0.010	-	-	-
o-Xylene	ND	0.00098	0.0050	-	-	-

Surrogate Recovery

2-Fluorotoluene 0.092 0.1 92 75-134

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
TPH(btex)	0.51	0.51	0.60	84	85	82-118	10.7	20
MTBE	0.098	0.095	0.10	97	95	61-119	7.59	20
Benzene	0.12	0.11	0.10	115	112	77-128	2.45	20
Toluene	0.12	0.11	0.10	116	114	74-132	0.491	20
Ethylbenzene	0.11	0.11	0.10	108	105	84-127	0.759	20
m,p-Xylene	0.22	0.22	0.20	111	109	80-120	1.84	20
o-Xylene	0.10	0.10	0.10	104	103	80-120	0.894	20
Surrogate Recovery								
2-Fluorotoluene	0.099	0.096	0.10	99	96	75-134	1.50	20

Quality Control Report

 Client:
 WSP USA Corp
 WorkOrder:
 2212C57

 Date Prepared:
 12/21/2022
 BatchID:
 260687

 Date Analyzed:
 12/22/2022
 Extraction Method:
 SW5035

Instrument: GC3 Analytical Method: SW8021B/8015Bm

Matrix: Soil Unit: mg/Kg

Project: 31405786.000; Pittsburg Data Center Sample ID: MB/LCS/LCSD-260687

QC Summary Report for SW8021B/8015Bm

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
TPH(g) (C6-C12)	ND	0.55	1.0	-	-	-
MTBE	ND	0.0026	0.050	-	-	-
Benzene	ND	0.0018	0.0050	-	-	-
Toluene	ND	0.0022	0.0050	-	-	-
Ethylbenzene	ND	0.0015	0.0050	-	-	-
m,p-Xylene	ND	0.0026	0.010	-	-	-
o-Xylene	ND	0.00098	0.0050	-	-	-

Surrogate Recovery

2-Fluorotoluene 0.085 0.1 85 75-134

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
TPH(btex)	0.55	0.57	0.60	91	96	82-118	5.12	20
MTBE	0.091	0.094	0.10	91	94	61-119	2.66	20
Benzene	0.095	0.097	0.10	95	97	77-128	1.63	20
Toluene	0.096	0.098	0.10	96	98	74-132	1.76	20
Ethylbenzene	0.099	0.10	0.10	99	101	84-127	1.72	20
m,p-Xylene	0.20	0.20	0.20	99	101	80-120	1.85	20
o-Xylene	0.10	0.10	0.10	101	103	80-120	2.22	20
Surrogate Recovery								
2-Fluorotoluene	0.089	0.089	0.10	89	89	75-134	0.104	20

Quality Control Report

 Client:
 WSP USA Corp
 WorkOrder:
 2212C57

 Date Prepared:
 12/23/2022
 BatchID:
 260855

 Date Analyzed:
 12/23/2022
 Extraction Method:
 SW5035

Instrument: GC7 **Analytical Method:** SW8021B/8015Bm

Matrix: Soil Unit: mg/Kg

Project: 31405786.000; Pittsburg Data Center **Sample ID:** MB/LCS/LCSD-260855

QC building Report for 5 11 0021 b/0015 bin	QC Summary	Report for	SW8021B/8015Bm
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Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
TPH(g) (C6-C12)	ND	0.55	1.0	-	-	-
MTBE	ND	0.0026	0.050	-	-	-
Benzene	ND	0.0018	0.0050	-	-	-
Toluene	ND	0.0022	0.0050	-	-	-
Ethylbenzene	ND	0.0015	0.0050	-	-	-
m,p-Xylene	ND	0.0026	0.010	-	-	-
o-Xylene	ND	0.00098	0.0050	-	-	-

Surrogate Recovery

2-Fluorotoluene 0.086 0.1 86 75-134

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
TPH(btex)	0.52	0.51	0.60	86	86	82-118	0.560	20
MTBE	0.096	0.089	0.10	96	89	61-119	7.69	20
Benzene	0.11	0.11	0.10	112	109	77-128	3.57	20
Toluene	0.11	0.11	0.10	111	111	74-132	0.0553	20
Ethylbenzene	0.11	0.10	0.10	106	102	84-127	3.35	20
m,p-Xylene	0.22	0.21	0.20	109	107	80-120	2.07	20
o-Xylene	0.10	0.10	0.10	103	101	80-120	2.24	20
Surrogate Recovery								
2-Fluorotoluene	0.095	0.092	0.10	95	92	75-134	2.79	20

Quality Control Report

Client: WSP USA Corp **Date Prepared:** 12/16/2022

Date Analyzed: 12/20/2022 - 12/22/2022

Instrument: GC11B, GC6A

Matrix: Soil

Project: 31405786.000; Pittsburg Data Center

WorkOrder: 2212C57 **BatchID:** 260413

Extraction Method: SW3550B **Analytical Method:** SW8015B

Unit: mg/Kg

Sample ID: MB/LCS/LCSD-260413

2212C57-001AMS/MSD

	QUI	терогето	r SW801	CD W/OU		ин ор				
Analyte		MB Result		MDL	RL		SPK Val	MB SS %REC		MB SS Limits
TPH-Diesel (C10-C23)		ND		1.2	2.0		-	-		-
TPH-Motor Oil (C18-C36)		ND		5.0	10		-	-		-
Surrogate Recovery										
C9		23					25	93		70-130
Analyte		LCS Result	LCSD Result	SPK Val		LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
TPH-Diesel (C10-C23)		36	37	40		91	92	70-130	1.11	20
Surrogate Recovery										
C9		22	23	25		90	91	70-130	1.47	20
Analyte	MS DF	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
TPH-Diesel (C10-C23)	1	41	40	40	2.305	97	93	70-130	3.28	20
Surrogate Recovery										
C9	1	20	20	25		79	80	70-130	0.211	20

1534 Willow Pass Rd Pittsburg, CA 94565-1701 (925) 252-9262

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ientCode: WSPE

VorkOrder:	2212C57	ClientCo	ode: WSPE	
EQuIS	Dry-Weight	 Email	□HardCopy	ThirdParty

✓ Detection Summary
✓ Excel [WSP_J-flag (Hist)]

Report to:

(857) 321-1925

Xin Jiang "XJ"
WSP USA Corp
2570 N. First Street
San Jose, CA 94085

FAX:

Email: xin.jiang@wsp.com

cc/3rd Party: rick.freudenberger@wsp.com;

CLIP

PO: 31405786.000-1

□WaterTrax

Project: 31405786.000; Pittsburg Data Center

□ EDF

Env. Accounts Payable

Bill to:

WSP Parsons Brinckerhoff

13530 Dulles Technology Drive, Ste.300 Date Received: 12/15/2022

Herndon, VA 20171 SEND HARDCOPY; USENVAccountspa 12/16/2022

5 days;

1 of 1

J-flag

Page

Requested TAT:

Date Logged:

				Requested Tests (See legend below)												
Lab ID	ClientSampID	Matrix	Collection Date	Hold	1	2	3	4	5	6	7	8	9	10	11	12
2212C57-001	WSP-PDC-01-0	Soil	12/14/2022 14:50		Α	Α	Α	Α	Α	Α						
2212C57-002	WSP-PDC-01-5	Soil	12/14/2022 15:10		Α	Α	Α	Α	Α	Α						
2212C57-003	WSP-PDC-02-0	Soil	12/14/2022 12:50		Α	Α	Α	Α	Α	Α						
2212C57-004	WSP-PDC-02-5	Soil	12/14/2022 13:25		Α	Α	Α	Α	Α	Α						
2212C57-005	WSP-PDC-03-0	Soil	12/14/2022 12:10		Α	Α	Α	Α	Α	Α						
2212C57-006	WSP-PDC-03-5	Soil	12/14/2022 12:30		Α	Α	Α	Α	Α	Α						
2212C57-007	WSP-PDC-04-0	Soil	12/14/2022 11:40		Α	Α	Α	Α	Α	Α						
2212C57-008	WSP-PDC-04-5	Soil	12/14/2022 11:55		Α	Α	Α	Α	Α	Α						

Test Legend:

1	8081pcB_ESL_LL_S
5	PRDisposal Fee
9	

2	8151_S
6	TPH(DMO)_S
10	

3	CAM17MS_TTLC_S
7	
11	

4	G-MBTEX_S
8	
12	

Prepared by: Adrianna Cardoza

Project Manager: Jennifer Lagerbom

The following SampIDs: 001A, 002A, 003A, 004A, 005A, 006A, 007A, 008A contain testgroup Multi Range S.

Comments:

NOTE: Soil samples are discarded 60 days after receipt unless other arrangements are made (Water samples are 30 days).

Hazardous samples will be returned to client or disposed of at client expense.



Client Contact:

Xin Jiang "XJ"

McCampbell Analytical, Inc.

"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701 Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269 http://www.mccampbell.com / E-mail: main@mccampbell.com

WORK ORDER SUMMARY

Client Name: WSP USA CORP Project: 31405786.000; Pittsburg Data Center Work Order: 2212C57

QC Level: LEVEL 2

Contact's Email: xin.jiang@wsp.com

Comments:

Date Logged: 12/16/2022

		Water	Trax CLIP EDF	✓ Exce	el <u>EQul</u>	S	√ Er	nail	HardCopy	Third	dParty √ J-flag	9		
LabII	O ClientSampID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	U**		Dry- Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
001A	WSP-PDC-01-0	Soil	Multi-Range TPH	1	16OZ GJ, Unpres				12/14/2022 14:50	5 days	12/22/2022			
			SW6020 (CAM 17) <antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Copper, Lead, Mercury, Molybdenum, Nickel, Selenium, Silver, Thallium, Vanadium, Zinc></antimony, 							5 days	12/28/2022			
			SW8151A (Chlorinated Herbicides)							5 days	12/22/2022			
			SW8081A/8082 (OC Pesticides+PCBs) ESLs w/ Florisil							5 days	12/27/2022			
002A	WSP-PDC-01-5	Soil	Multi-Range TPH	1	16OZ GJ, Unpres				12/14/2022 15:10	5 days	12/22/2022			
			SW6020 (CAM 17) <antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Copper, Lead, Mercury, Molybdenum, Nickel, Selenium, Silver, Thallium, Vanadium, Zinc></antimony, 							5 days	12/28/2022			
			SW8151A (Chlorinated Herbicides)							5 days	12/22/2022			

NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- Organic extracts are held for 40 days before disposal; Inorganic extract are held for 30 days.
- MAI assumes that all material present in the provided sampling container is considered part of the sample MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.



"When Quality Counts"

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WORK ORDER SUMMARY

Client Name:	WSP USA CORP	Project:	31405786.000; Pittsburg Data Center	Work Order: 2212C57
--------------	--------------	----------	-------------------------------------	---------------------

Client Contact: Xin Jiang "XJ"

QC Level: LEVEL 2

Contact's Email: xin.jiang@wsp.com

Comments:

Date Logged: 12/16/2022

		Water ¯	Γrax □CLIP □EDF	✓ Exce	el <u>EQu</u> l	S	✓ En	nail	HardCopy	Third	IParty ✓ J-flag	J	
LabID	ClientSampID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	U**		Dry- Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Sub Out
002A	WSP-PDC-01-5	Soil	SW8081A/8082 (OC Pesticides+PCBs) ESLs w/ Florisil	1	16OZ GJ, Unpres				12/14/2022 15:10	5 days	12/27/2022		
003A	WSP-PDC-02-0	Soil	Multi-Range TPH	1	16OZ GJ, Unpres				12/14/2022 12:50	5 days	12/22/2022		
			SW6020 (CAM 17) <antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Copper, Lead, Mercury, Molybdenum, Nickel, Selenium, Silver, Thallium, Vanadium, Zinc></antimony, 							5 days	12/28/2022		
			SW8151A (Chlorinated Herbicides)							5 days	12/22/2022		
			SW8081A/8082 (OC Pesticides+PCBs) ESLs w/ Florisil							5 days	12/27/2022		
004A	WSP-PDC-02-5	Soil	Multi-Range TPH	1	16OZ GJ, Unpres				12/14/2022 13:25	5 days	12/22/2022		
			SW6020 (CAM 17) <antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Copper, Lead, Mercury, Molybdenum, Nickel, Selenium, Silver, Thallium, Vanadium, Zinc></antimony, 							5 days	12/28/2022		

NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

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WORK ORDER SUMMARY

Client Name:	WSP USA CORP	Project:	31405786.000; Pittsburg Data Center	Work Order: 2212C57

Client Contact: Xin Jiang "XJ"

QC Level: LEVEL 2

Contact's Email: xin.jiang@wsp.com

Comments:

Date Logged: 12/16/2022

		Water	Trax CLIP EDF	✓ Exce	el EQui	IS	✓ Em	ail	HardCopy	Third	lParty √ J-flaς)	
LabID	ClientSampID	Matrix	Test Name	Containers /Composites	Bottle & Preservative		Head Space	Dry- Weigh		TAT	Test Due Date	Sediment Content	Hold Sub Out
004A	WSP-PDC-02-5	Soil	SW8151A (Chlorinated Herbicides)	1	16OZ GJ, Unpres	-			12/14/2022 13:25	5 days	12/22/2022		
			SW8081A/8082 (OC Pesticides+PCBs) ESLs w/ Florisil							5 days	12/27/2022		
005A	WSP-PDC-03-0	Soil	Multi-Range TPH	1	16OZ GJ, Unpres				12/14/2022 12:10	5 days	12/22/2022		
			SW6020 (CAM 17) <antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Copper, Lead, Mercury, Molybdenum, Nickel, Selenium, Silver, Thallium, Vanadium, Zinc></antimony, 							5 days	12/28/2022		
			SW8151A (Chlorinated Herbicides)							5 days	12/22/2022		
			SW8081A/8082 (OC Pesticides+PCBs) ESLs w/ Florisil							5 days	12/27/2022		
006A	WSP-PDC-03-5	Soil	Multi-Range TPH	1	16OZ GJ, Unpres				12/14/2022 12:30	5 days	12/22/2022		

NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

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WORK ORDER SUMMARY

Client Name: WSP USA CORP Project: 31405786.000; Pittsburg Data Center Work Order: 2212C57

QC Level: LEVEL 2

Contact's Email: xin.jiang@wsp.com

Comments:

Date Logged: 12/16/2022

		Water	Trax CLIP EDI	Exc	el <u>EQu</u> l	S	✓ En	nail	HardCopy	Third	dParty √ J-flag	J	
LabII	ClientSampID	Matrix	Test Name	Containers /Composites	Bottle & Preservative		Head Space	Dry- Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Sub Out
006A	WSP-PDC-03-5	Soil	SW6020 (CAM 17) <antimony, Arsenic, Barium, Beryllium, Cadmium Chromium, Cobalt, Copper, Lead, Mercury, Molybdenum, Nickel, Selenium, Silver, Thallium, Vanadium, Zinc></antimony, 		16OZ GJ, Unpres				12/14/2022 12:30	5 days	12/28/2022		
			SW8151A (Chlorinated Herbicides)							5 days	12/22/2022		
			SW8081A/8082 (OC Pesticides+PCBs ESLs w/ Florisil)						5 days	12/27/2022		
007A	WSP-PDC-04-0	Soil	Multi-Range TPH	1	16OZ GJ, Unpres				12/14/2022 11:40	5 days	12/22/2022		
			SW6020 (CAM 17) <antimony, Arsenic, Barium, Beryllium, Cadmium Chromium, Cobalt, Copper, Lead, Mercury, Molybdenum, Nickel, Selenium, Silver, Thallium, Vanadium, Zinc></antimony, 							5 days	12/28/2022		
			SW8151A (Chlorinated Herbicides)							5 days	12/22/2022		
			SW8081A/8082 (OC Pesticides+PCBs ESLs w/ Florisil)						5 days	12/27/2022		

NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

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"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701 Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269 http://www.mccampbell.com / E-mail: main@mccampbell.com

WORK ORDER SUMMARY

Client Name: WSP USA CORP Project: 31405786.000; Pittsburg Data Center Work Order: 2212C57

Client Contact: Xin Jiang "XJ"

QC Level: LEVEL 2

Contact's Email: xin.jiang@wsp.com

Comments:

Date Logged: 12/16/2022

		Water	Trax CLIP EDF	Exce	el <u></u> EQul	S	✓ Er	mail	HardCopy	Third	Party ✓ J-flaç)		
LabID	ClientSampID	Matrix	Test Name	Containers /Composites	Bottle & Preservative			Dry- Weight		TAT	Test Due Date	Sediment Content	Hold	Sub Out
008A	WSP-PDC-04-5	Soil	Multi-Range TPH	1	16OZ GJ, Unpres				12/14/2022 11:55	5 days	12/22/2022			
			SW6020 (CAM 17) <antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Copper, Lead, Mercury, Molybdenum, Nickel, Selenium, Silver, Thallium, Vanadium, Zinc></antimony, 							5 days	12/28/2022			
			SW8151A (Chlorinated Herbicides)							5 days	12/22/2022			
			SW8081A/8082 (OC Pesticides+PCBs) ESLs w/ Florisil							5 days	12/27/2022			

NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

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McCAMPBELL ANALYTICAL, INC.							CHAIN OF CUSTODY RECORD													
1534 Willow Pass Rd. Pittsburg, Ca. 94565-1701					Turn Around Time: 1 Day Rush 2 Day R				2 Day Rush	sh 3 Day Rush		S	STD X Quote #							
Telephone: (877) 252-9262 / Fax: (925) 252-9269						J-Flag	J-Flag / MDL X ESL X Cleanu				Cleanup Appro	ved	Dry \	Veight	Bot	tle Or	der#			
www.mccampb	ell.com	ma	in@n	nccampbell.	com	Deliv	ery Fo	rmat:	PDF	X	GeoTracker EDF	ED	D X	Write	On (DW)		Detec	t Sum	mary	X
Report To: XIVI. DI ang @ WSP	MQ).	Bill To:	use	nvaccou	ntspaya	ble	Q.V	usp.	con	1	Ana	lysis R	eques	ted						
Company: INSP USA INC					1 0		(180	,			<u>a</u>									
Email: Xivisiang a WSP.com; nck-freudenbergera wsp. com							CP 8081)	7		*	TCLP									
Alt Email: Sanjosemain@						7	3	816	_	0	F									
Project Name: Pittsburg Data Center Project #: 31405786.000						800		3	076	STvc,								0	6	
Project Location: Pitsburg, CA PO # 31405786,000 - 1						(80	~	35	(8016)	(6020)									hold	analyze
Sampler Signature: **J / ~	mj.						17	19	7	2	*0									12
SAMPLE ID	Sam	pling	iners			8	1,0	Dic	15	tal	lev								0	8
Location / Field Point	Date	Time	#Containers	Matrix	Preservative	PCB	Posticides	Herbicides	TPHS	Metals	* Plon not				No.		4 8		X	1
And appropriate whether waters	74.65	100000	#			-		1.50				-	-				-		1	
WSP-PDC-01-0	12/14	1450	1	SOIL	None	V	V	V	V	V	*						1			
WSP-PDC-01-5		1510	1			V	V	V	V	V	*									
WSP-PDC-02-0		1250	1			V	V	V	1	V	*	-								
WSP-PDC-02-5		1325				V	1	V	/	V	*									
WSP - PDC - 03 -0		1210				V	V	V	V	V	*				3/					
WSP - PDC - 03 -5		1230				V	V	V	V	V	*			1						
WSP-PDC-04-0		1140				V	V	V	V	V	*			7 1						
WSP-POC-04-5	V	1155	V	V	V	V	V	V	V	V	*									
	_																			
MAI clients MUST disclose any dangerous chemical													a result	of brief, glo	oved, open	air, san	nple hand	ling by	MAI s	staff.
Non-disclosure incurs an immediate \$250 surcharge			You Think									y.								
* If metals are requested for water samples and									_	-							nts / Inst			
Please provide an adequate volume of sample. Relinquished By / Compan	AND ADDRESS OF THE PARTY OF THE	is not sufficie	_			i be pre						Date	Тт	ime	* Ca			2000	105	-
Relinquished By / Company Name Date Time XIV JIANG / (NSP 12/5 12/3)					Received By / Company Name Date Time Per client Request 12/15/22 12/3 Via email *							.1								
NOV-100 12/15/20 1550				17-15-22 15:50 Via email *																
1.00			1-10	15			V	4			1	1-17-6	91)	0						
Matrix Code: DW=Drinking Water, C	W=Ground	d Water, W	/W=W	Vaste Water	, SW=Seaw	ater.	S=So	il, SL	=Slu	dge, i	A=Air, WP=Wipe	, O=O	her							
Preservative Code: 1=4°C 2=HCl										-				Famm	0-7-	00	Initi	ale d	X	

Sample Receipt Checklist

Client Name: Project:	WSP USA Corp 31405786.000; Pitt	sburg Data Center	Date and Time Received: Date Logged: Received by:	12/15/2022 15:50 12/16/2022 Adrianna Cardoza		
WorkOrder №: Carrier:	2212C57 Antonio Mason (MA	Matrix: <u>Soil</u> I Courier)			Logged by:	Adrianna Cardoza
		Chain of the	Custo dy	<u>(COC) Infor</u>	m atio n	
Chain of custody	present?		Yes	✓	No 🗌	
Chain of custody	signed when relinqui	shed and received?	Yes	✓	No 🗌	
Chain of custody	agrees with sample l	abels?	Yes	✓	No 🗌	
Sample IDs noted	d by Client on COC?		Yes	✓	No 🗌	
Date and Time of	collection noted by	Client on COC?	Yes	✓	No 🗌	
Sampler's name	noted on COC?		Yes	✓	No 🗌	
COC agrees with	Quote?		Yes		No 🗌	NA 🗸
		<u>Sam</u> p	ole Rece	ipt Inform ati	<u>on</u>	
Custody seals int	act on shipping conta	niner/cooler?	Yes		No 🗌	NA 🗸
Custody seals int	act on sample bottles	s?	Yes	•	No 🗌	NA 🗌
Shipping containe	er/cooler in good con	dition?	Yes	•	No 🗌	
Samples in prope	er containers/bottles?		Yes	•	No 🗌	
Sample container	rs intact?		Yes	✓	No 🗆	
Sufficient sample	volume for indicated	test?	Yes	•	No 🗆	
		Sample Preservat	ion and	Hold Time (I	HT) Information	
All samples recei	ved within holding tin	ne?	Yes	✓	No 🗌	NA 🗆
Samples Receive	ed on Ice?		Yes	✓	No 🗌	
		(Ісе Тур	e: WE	TICE)		_
Sample/Temp Bla	ank temperature			Temp: 0.2	2°C	NA 🗆
	analyses: VOA meets Cs, TPHg/BTEX, RSI		Yes		No 🗆	NA 🗹
Sample labels ch	ecked for correct pre	servation?	Yes	•	No 🗌	
pH acceptable up <2; 522: <4; 218.		; Nitrate 353.2/4500NO3:	Yes		No 🗆	NA 🗹
UCMR Samples: pH tested and a 537.1: 6 - 8)?	acceptable upon rece	ipt (200.7: ≤2; 533: 6 - 8;	Yes		No 🗆	NA 🗹
Free Chlorine to [not applicable		upon receipt (<0.1mg/L)	Yes		No 🗌	NA 🗹
Comments:			==:		=======	