DOCKETED	
Docket Number:	98-AFC-02C
Project Title:	La Paloma Generating Project
TN #:	231097
Document Title:	La Paloma Generating Plant - 2018 Annual Compliance Report
Description:	2018 Annual Compliance Report for the La Paloma Generating Plant.
Filer:	Mary Dyas
Organization:	CXA La Paloma, LLC
Submitter Role:	Applicant
Submission Date:	12/11/2019 6:58:38 AM
Docketed Date:	12/11/2019

La Paloma
Generating Plant
CXA La Paloma, LLC

POB175 (Mail)
1760 W. Skyline Road
(Deliveries)
McKittrick, CA 93251

661.762.6000
661.762.6041 Fax

February 25, 2019

Mary Dyas
Compliance Project Manager
California Energy Commission
1516 Ninth Street, MS 2000
Sacramento, CA 95814

Subject: La Paloma Generating Plant
Annual Compliance Report - 2018

Dear Ms. Dyas:

Pursuant to Section IV of the Commission Decision for the CXA La Paloma Project, CXA La Paloma, LLC herewith submits the 2018 Annual Compliance Report for the La Paloma Generating Plant in an electronic format.

If there are any questions, please call Paul Sumal at 661.762.6055 or me at 661.762.6047.

Sincerely,

John Smeltzer
Plant Manager
La Paloma Generating Plant

cc: w/attachment P. Sumal CEC file
pdf w/ attachment C. Tubridy F. Schneider

File No. 705.02.08.01

CXA LA PALOMA, LLC

CALIFORNIA ENERGY COMISSION
DOCKET NO. 98-AFC-2

ANNUAL COMPLIANCE REPORT

YEAR: 2018

LA PALOMA GENERATING PLANT
McKITTRICK, CA

La Paloma Generating Plant – 2018
Annual Compliance Report

TABLE OF CONTENTS

La Paloma Generating Plant – 2018
Annual Compliance Report

SUMMARY

Background

The California Energy Commission (Energy Commission) certified the La Paloma Generating Project on October 6, 1999. The project is a four unit, natural gas-fired, combined-cycle facility, utilizing ABB GT24 combustion turbine technology. The facility has a nominal generating capacity of 1,048 megawatts. A construction contract was signed between La Paloma Generating Company, LLC (LPGC) and Alstom Power in November 1999. Pre-construction activities began during November 1999, and site clearing/grading commenced in March 2000. LPGC took care, custody, and control of all four units in March 2003. Commercial operations also began in March 2003. CXA La Paloma, LLC took care, custody, and control of all four units in December 2018.

In accordance with the provisions in Section IV of the Commission Decision, CXA La Paloma, LLC shall submit an Annual Compliance Report for each year of commercial operation due on a date agreed to by the Compliance Project Manager (CPM). The date agreed to by the CPM is March 1.

Project Activities

Facility availability for 2018 was 86.1 percent.

Environmental Compliance

No "Take" of any state or federal threatened & endangered listed species occurred in 2018, and no cultural or paleontological resources were encountered. Additionally, no noise or visual complaints were received by the project in 2018.

ANNUAL COMPLIANCE REPORT

1. COMPLIANCE MATRIX

An updated compliance matrix, as of December 31, 2018, is included as Attachment A.

2. PROJECT OPERATING STATUS

Calendar year 2018 was the fifteenth full year of commercial operation. The facility's availability factor in 2018. The minimum availability was 73.0 % in February of 2018 and maximum availability for 2018 was 100.0% in December. Availability was affected by scheduled and forced outages. Further, the units were occasionally dispatched off-line based on Cal ISO and market power needs.

3. SUBMITTED DOCUMENTS

See "CONDITIONS" section below.

4. POST-CERTIFICATION CHANGES

A cumulative listing of all post-certification changes approved by the Energy Commission or cleared by the CPM are included as Attachment B. Dormant status change request for the Clayton Boiler was submitted to the Energy Commission in 2018.

5. MISSED SUBMITTAL DEADLINES

No submittal deadlines were missed in 2018.

6. GOVERNMENTAL AGENCY FILINGS

A list of filings made to, and permits issued by, other governmental agencies during 2018 is included as Attachment C.

7. PROJECT COMPLIANCE ACTIVITIES FOR 2018

A list of project compliance activities expected during 2018 is included as Attachment D.

8. ADDITIONS TO ON-SITE COMPLIANCE FILE

A list of 2018 additions to the on-site compliance file is included as Attachment E.

9. EVALUATION OF ON-SITE CONTINGENCY PLAN

Revisions to the On-Site Contingency Plan are included in Attachment F. Revisions reflect changes in safety procedures.

CONDITIONS

TLSN-2

No transmission line-related complaints were received during the reporting year.

TLSN-4

An annual inspection of the transmission line right-of-way from the plant to the Midway Substation was conducted in 2018 by an outside contractor, and CXA La Paloma. LLC maintenance personnel conducted monthly inspections. Any trash or other combustible material found during those inspections was removed.

HAZ-1

A list of hazardous materials used at the plant in reportable quantities is included as Attachment G.

BIO-3

The 2017 Annual Biological Report for the project is included as Attachment H.

SOIL & WATER-4

In 2007, LPGC submitted an Underground Injection Control (UIC) permit application to the USEPA and a request for an amendment to the Energy Commission Decision to accommodate the revised program. The Energy Commission approved that amendment in August 2007, and the USEPA issued Class I Non-Hazardous UIC Permit No. CA10710001 to LPGC in March 2008. Authorization to Inject was issued by the USEPA in May 2009. Subsequently, injection well WD-3 commenced operation in May 2009. The UIC permit renewal application was submitted in October 2017. A complete application e-mail was received from EPA in March of 2018 for continuation of expiring permit during permit renewal process. A revised permit renewal application was submitted to EPA by CXA La Paloma, LLC in January of 2019. A total of 40,373,086 gallons of wastewater were injected from January through December 2018.

The Zero Liquid Discharge (ZLD) system was on stand-by during most of the calendar year 2018, but did not operate in 2018.

WASTE-1

Waste Generation and Disposal

During 2018 waste was generated from plant operations, maintenance activities, and repairs. Waste streams included those shown in Table 1 below:

Table 1: 2018 Waste Generation at LPGP

Generator	Waste Classification	Description	Quantity	Receiving Facilities
CXA LA PALOMA, LLC	Non-Hazardous	Cardboard	0.36 tons	Westside Waste Mgmt.
CXA LA PALOMA, LLC	Non-Hazardous	Comingled Recyclables	36 yds	Westside Waste Mgmt.
CXA LA PALOMA, LLC	Non-Hazardous	Drained Used Oil Filters	100 lbs	Bakersfield Transfer, Inc.
CXA LA PALOMA, LLC	Non-Hazardous	Empty Totes	13920 lbs	National Container West
CXA LA PALOMA, LLC	Non-Hazardous	Empty 55-gal Drums	550 lbs	National Container West
CXA LA PALOMA, LLC	Non-Hazardous	Empty 55-gal Drums	396 lbs	Cole's Services, Inc.
CXA LA PALOMA, LLC	Non-Hazardous	Empty 5-gal Pail	1 lb	Cole's Services, Inc.
CXA LA PALOMA, LLC	Non-Hazardous	Trash	23.7 tons	Westside Waste Mgmt.
CXA LA PALOMA, LLC	Non-Hazardous	Cooling Tower Sludge	26.31 tons	McKittrick Waste
CXA LA PALOMA, LLC	Non-Hazardous	Evap Media Filter	2.83 tons	McKittrick Waste
CXA LA PALOMA, LLC	Non-Hazardous	Turbine Air Inlet Filters	5.15 tons	McKittrick Waste
CXA LA PALOMA, LLC	Non-Hazardous	Treated Wood	20.48 tons	McKittrick Waste
CXA LA PALOMA, LLC	Non-Hazardous	Used Filters	4.69 tons	McKittrick Waste
CXA LA PALOMA, LLC	Non-Hazardous	Waste Sediment	541.54 tons	McKittrick Waste
CXA LA PALOMA, LLC	Non-Hazardous	WD3 Well Sand Water Mixture	61.07 tons	McKittrick Waste
CXA LA PALOMA, LLC	CA Hazardous	Ammonium Salts	1200 lbs	Crosby & Overton
CXA LA PALOMA, LLC	CA Hazardous	Used Oil Filters	650 lbs	Bakersfield Transfer, Inc.
CXA LA PALOMA, LLC	CA Hazardous	Oily Rags and Absorbent	2690 lbs	Bakersfield Transfer, Inc.
CXA LA PALOMA, LLC	CA Hazardous	Oily Water	547 gal	Bakersfield Transfer, Inc.
CXA LA PALOMA, LLC	CA Hazardous	Used Oil	5593 gal	Bakersfield Transfer, Inc.
CXA LA PALOMA, LLC	CA Hazardous	Oil/Diesel	55 gal	Bakersfield Transfer, Inc.
CXA LA PALOMA, LLC	Hazardous	Ammonium Sulfate	45 lbs	Crosby & Overton
CXA LA PALOMA, LLC	Hazardous	Waste Carbon	20 lbs	Crosby & Overton
CXA LA PALOMA, LLC	Hazardous	Flammable Solid, (Natural Gas)	1277.5 gal	Damenno / Kerndoon
CXA LA PALOMA, LLC	Hazardous	Flammable Solid, (Natural Gas)	175 gal	Crosby & Overton
CXA LA PALOMA, LLC	Hazardous	Hexavalent Chromium	50 lbs	Crosby & Overton
CXA LA PALOMA, LLC	Hazardous	Sulfuric Acid Waste	75 lbs	Crosby & Overton
CXA LA PALOMA, LLC	Universal Waste	Batteries	1196 lbs	Cole's Services, Inc.
CXA LA PALOMA, LLC	Universal Waste	Electronics Waste	1100 lbs	Cole's Services, Inc.
CXA LA PALOMA, LLC	Universal Waste	Fluorescent Light Bulbs	376 LF	Cole's Services, Inc.
CXA LA PALOMA, LLC	Universal Waste	Metal Halide Bulbs	75 pieces	Cole's Services, Inc.

Recycling

Of the wastes identified in Table 1, cardboard, comingled recyclables, used oil, used oil filters, batteries, fluorescent lamps, and electronics waste were shipped off-site for recycling.

Labeling, Storage, and Inspection

Regular inspections of the waste storage area were conducted to ensure that waste was properly contained, containers were properly labeled, and waste was not stored on-site for longer than 90 days. Plant Operator daily rounds include inspection of waste containment areas to ensure that waste containers were not damaged or leaking. Weekly inspections of the hazardous material and hazardous waste storage areas, and monthly inspections of oil and chemical tanks were also conducted.

Generator Status

The generator status for CXA LA PALOMA, LLC was Small Quantity Generator (SQG) for RCRA waste and Large Quantity Generator for non-RCRA waste (California hazardous) throughout 2018. CXA LA PALOMA, LLC manages its waste as LQG.

Training

Operations personnel received training in environmental compliance (including Worker Environmental Awareness Training) and hazardous waste management (including annual 8-hr refresher of the 24-hr technician-level HAZWOPER) in 2018. Documentation of the training is maintained in the plant personnel office.

WASTE-5

The Code of Federal Regulation (CFR 40 CFR 262) and California Code of Regulations (CCR 66262) both allow for up to 180-days of on-site storage of hazardous waste if the quantity of on-site waste never exceeds 6,000 kg (13,200 lb). During the reporting year, CXA LA PALOMA, LLC had hazardous waste accumulate on-site for no longer than 90 days

VIS-1

No structural treatment maintenance occurred in 2018.

VIS-3

No lighting complaints were received by CXA LA PALOMA, LLC in 2018.

ATTACHMENTS

ATTACHMENT A

COMPLIANCE MATRIX

LA PALOMA COMPLIANCE MATRIX

2018 ANNUAL COMPLIANCE REPORT (As of 12/31/18)

Category	Condition #	Condition	Due Date	Date Submitted	Requirement	Status	Verification
Air Quality	AQ-1	No air contaminant shall be released into the atmosphere which causes a public nuisance.			Inspection	Ongoing	Make the site available for inspection by representatives of the District, CARB, and the CEC.
Air Quality	AQ-3	Lube oil vent opacity limit.			Inspection	Ongoing	Make the site available for inspection by representatives of the District, CARB, and the CEC.
Air Quality	AQ-4	The gas turbine engine shall be equipped with continuously recording fuel gas flowmeter.			Quarterly Report	Ongoing	Included information in the quarterly reports of condition AQ-28
Air Quality	AQ-5	Installation of CEM's.			Inspection	Ongoing	Make the site available for inspection by representatives of the District, CARB, and the CEC.
Air Quality	AQ-6	Exhaust stack provisions for stack gas sampling.			Inspection	Ongoing	Make the site available for inspection by representatives of the District, CARB, and the CEC.
Air Quality	AQ-7	Natural gas specifications *and modification to allow use of propane during startup.*			Inspection	Ongoing	Refer to condition AQ-27.
Air Quality	AQ-8	Startup/Shutdown definition and duration limits *and as modified to allow for reduction in load to engage the steam turbine*.			Inspection	Ongoing	Refer to condition AQ-28.
Air Quality	AQ-9	Ammonia injection and catalyst monitoring *and as modified to allow injection at temperatures as low as 302 degrees F*.			Inspection	Ongoing	Record the SCR temperatures and the commencement of ammonia injection times in the daily logs required under Condition AQ-28.
Air Quality	AQ-10	Turbine startup CO and NOx mass emission limits *and as modified to increase hourly NOx limit*.			Inspection	Ongoing	Provide records of the emissions as part of the quarterly reports of Condition AQ-28.

LA PALOMA COMPLIANCE MATRIX

2018 ANNUAL COMPLIANCE REPORT (As of 12/31/18)

Category	Condition #	Condition	Due Date	Date Submitted	Requirement	Status	Verification
Air Quality	AQ-11	Turbine startup CO and NOx concentration limits.			Inspection	Ongoing	Provide records of the emissions as part of the quarterly reports of Condition AQ-28.
Air Quality	AQ-12	Turbine operational emission limits *and as modified to reduce hourly PM emission limit to 11.0 lb*.			Inspection	Ongoing	Provide records of the emissions as part of the quarterly reports of Condition AQ-28.
Air Quality	AQ-13	Daily turbine emission limits including startup\shutdown *and as modified to reduce daily PM emission limit to 264.0 lb*.			Inspection	Ongoing	Provide records of the emissions as part of the quarterly reports of Condition AQ-28.
Air Quality	AQ-14	Twelve month rolling average emission limits *and as modified to reduce annual PM emission limit to 96,360 lb*.			Inspection	Ongoing	Provide records of the emissions as part of the quarterly reports of Condition AQ-28.
Air Quality	AQ-20	Cold start NOx and CO mass emission limit compliance demonstration shall be performed on one of the gas turbine engines.			Source Testing	Ongoing	Refer to the information requirements of Condition AQ-22
Air Quality	AQ-21	Compliance with natural gas sulfur content limit shall be demonstrated periodically as required by 40 CFR 60 Subpart GG and 40 CFR 75.			Gas Sampling	Ongoing	Conduct quarterly gas sampling and analysis and provide results with the quarterly report.
Air Quality	AQ-22	District notification of source testing and results.		7/19/2018 notification and 10/11/18 result submittal	Plan Submittal	Ongoing	Notify the CPM and the District 30 days prior to any compliance source test. Provide a source test plan to the CPM and the District for the CPM and District approval 15 days prior to testing. The results and field data collected by the source tests shall be submitted to the CPM and the District within 60 days of testing.
Air Quality	AQ-23	CO/VOC surrogate relationship compliance demonstration, *modified by District to require VOC verification through annual source test due to lack of CO/VOC correlation*.			Source Testing	Ongoing	Provide a source test plan to the CPM and District for CPM and District approval 15 days prior to testing.

LA PALOMA COMPLIANCE MATRIX

2018 ANNUAL COMPLIANCE REPORT (As of 12/31/18)

Category	Condition #	Condition	Due Date	Date Submitted	Requirement	Status	Verification
Air Quality	AQ-24	Specifies source test methods for stack testing and fuel sulfur content.			Source Test Methods	Ongoing	Alternative methods approved by the District may also be used.
Air Quality	AQ-26	Hourly emissions reporting requirements.	Within 30 days of end of qtr	4th Qtr '17 1/16/18; 1st Qtr '18 4/25/18; 2nd Qtr 18 7/25/18; 3rd Qtr 18 10/25/18	Quarterly Report	Recurring	Compile the required data and submit the quarterly reports to the CPM within 30 days of the end of the quarter.
Air Quality	AQ-27	SOx reporting requirements.			Quarterly Report	Ongoing	Provide records of the information described as part of the quarterly reports of Condition AQ-28.
Air Quality	AQ-28	Quarterly report formatting and data requirements.	Within 60 days of end of qtr	4th Qtr '17 1/16/18; 1st Qtr '18 4/25/18; 2nd Qtr 18 7/25/18; 3rd Qtr 18 10/25/18	Quarterly Report	Ongoing	Compile required data and submit the information to the CPM in quarterly reports to be submitted no later than 60 days after the end of each calendar quarter.
Air Quality	AQ-29	Maintain appropriate records on site.			Inspection	Ongoing	Make the site available for inspection by representatives of the District, CARB, and the CEC.
Air Quality	AQ-30	Reduction of CEM's data.	Quarterly	4th Qtr '17 1/16/18; 1st Qtr '18 4/25/18; 2nd Qtr 18 7/25/18; 3rd Qtr 18 10/25/18	Quarterly Report	Ongoing	Compile the required data in the formats discussed and submit the results to the CPM quarterly.
Air Quality	AQ-31	Breakdown notification. (Reporting within 1 hour of event also required.)			Quarterly Report	Ongoing	Comply with the notification requirements of the District and submit written copies of these notification reports to the CPM as part of the quarterly reports of Condition AQ-28.

LA PALOMA COMPLIANCE MATRIX

2018 ANNUAL COMPLIANCE REPORT (As of 12/31/18)

Category	Condition #	Condition	Due Date	Date Submitted	Requirement	Status	Verification
Air Quality	AQ-32	Reporting of breakdown condition and solution.			Quarterly Report	Ongoing	Comply with the notification requirements of the District and submit written copies of these notification reports to the CPM as part of the quarterly reports of Condition AQ-28.
Air Quality	AQ-33	Quarterly CEM's audits.			Quarterly Report	Ongoing	Submit the continuous emisssion monitor audit results with the quarterly reports required of Condition AQ-35.
Air Quality	AQ-34	Requirements for testing and maintenance of CEM's			Quarterly Report	Ongoing	Submit the continuous emission monitor results with the quarterly reports of Condition AQ-35.
Air Quality	AQ-35	Requirements for quarterly compliance reports.	Within 30 days of end of qtr	4th Qtr '17 1/16/18; 1st Qtr '18 4/25/18; 2nd Qtr 18 7/25/18; 3rd Qtr 18 10/25/18	Quarterly Report	Ongoing	Compile the required data and submit the quarterly reports to the CPM and the APCO within 30 days of the end of the quarter.
The following conditions (AQ-37 through AQ-40) apply to permit units S-3412-1-0, 2-0, 3-0 and 4-0 for those permit units that use Selective Catalytic Reduction.							
Air Quality	AQ-37	Ammonia injection system monitoring requirements.			Inspection	Ongoing	Make the site available for inspection by representatives of the District, CARB, and the CEC.
Air Quality	AQ-38	HRSG pollution control system expansion.			Inspection	Ongoing	Make the site available for inspection by representatives of the District, CARB, and the CEC.
Air Quality	AQ-39	Pollution control device temperature monitorning requirements.			Inspection	Ongoing	Compile the required temperature data and maintain the data for a period of five years. Make the site available for inspection by representatives of the District, CARB, and the CEC.

LA PALOMA COMPLIANCE MATRIX

2018 ANNUAL COMPLIANCE REPORT (As of 12/31/18)

Category	Condition #	Condition	Due Date	Date Submitted	Requirement	Status	Verification
Air Quality	AQ-40	Ammonia slip compliance calculation.		4th Qtr '17 1/16/18; 1st Qtr '18 4/25/18; 2nd Qtr 18 7/25/18; 3rd Qtr 18 10/25/18	Quarterly Report	Ongoing	Refer to the requirements of Condition AQ-26. If the project owner chooses to use a NH3 CEM, submit a monitoring plan to the District for review and approval at least 60 days prior to its use.
The following conditions (AQ-47 through AQ-53) shall apply to permit units S-3412-5-0 and S3412-6-0:							
COOLING TOWERS WITH 8 CELLS EACH AND HIGH EFFICIENCY DRIFT ELIMINATORS							
Air Quality	AQ-47	No air contaminant shall be released into the atmosphere which causes a public nuisance.			Inspection	Ongoing	Make the site available for inspection by representatives of the District, CARB, and the CEC.
Air Quality	AQ-49	No hexavalent chromium compounds.			Inspection	Ongoing	Make the site available for inspection by representatives of the District, CARB, and the CEC.
Air Quality	AQ-51	PM10 emission rates cooling towers.			Inspection	Ongoing	Refer to Condition AQ-52.
Air Quality	AQ-52	Compliance calculations for PM10 emissions.			Data Compilation/ Inspection	Ongoing	Compile the required daily PM10 emissions data and maintain the data for a period of five years. Make the site available for inspection by representatives of the District, CARB, and the CEC.
Air Quality	AQ-53	Compliance determination for PM10 emission limit *and as modified to provide for quarterly sampling*.			Inspection	Ongoing	Compile the required daily PM10 emissions data and maintain the data for a period of five years. Make the site available for inspection by representatives of the District, CARB, and the CEC.

LA PALOMA COMPLIANCE MATRIX

2018 ANNUAL COMPLIANCE REPORT (As of 12/31/18)

Category	Condition #	Condition	Due Date	Date Submitted	Requirement	Status	Verification
The following conditions (Conditions AQ-54 through AQ-61) shall apply to the following permit units:							
S-3412-7-0 - 240 HP Clarke-Detroit Diesel-Allison JU6H-UF60 DIESEL FIRED IC ENGINE POWERING EMERGENCY FIREWATER PUMP							
S-3412-8-0 - 587 HP CATERPILLAR MODEL 3406C DIESEL FIRED IC ENGINE POWERING EMERGENCY ELECTRICAL GENERATOR #1 USED FOR GAS TURBINE ENGINE LUBE OIL CIRCULATION DURING POWER OUTAGES.							
S-3412-9-0 - 587 HP CATERPILLAR MODEL 3406C DIESEL FIRED IC ENGINE POWERING EMERGENCY ELECTRICAL GENERATOR #2 USED FOR GAS TURBINE ENGINE LUBE OIL CIRCULATION DURING POWER OUTAGES.							
S-3412-10-0 - 587 HP CATERPILLAR MODEL 3406C DIESEL FIRED IC ENGINE POWERING EMERGENCY ELECTRICAL GENERATOR #3 USED FOR GAS TURBINE ENGINE LUBE OIL CIRCULATION DURING POWER OUTAGES.							
S-3412-11-0 - 587 HP CATERPILLAR MODEL 3406C DIESEL FIRED IC ENGINE POWERING EMERGENCY ELECTRICAL GENERATOR #4 USED FOR GAS TURBINE ENGINE LUBE OIL CIRCULATION DURING POWER OUTAGES.							
Air Quality	AQ-54	No air contaminant shall be released into the atmosphere which causes a public nuisance.			Inspection	Ongoing	Make the site available for inspection by representatives of the District, CARB, and the CEC.
Air Quality	AQ-56	Opacity limits for IC engines.			Inspection	Ongoing	Make the site available for inspection by representatives of the District, CARB, and the CEC.
Air Quality	AQ-57	PCV requirements for IC engines.			Inspection	Ongoing	Make the site available for inspection by representatives of the District, CARB, and the CEC.
Air Quality	AQ-58	Diesel sulfur content limitations.			Inspection	Ongoing	Refer to Condition AQ-61.
Air Quality	AQ-59	Particulate matter emission limits for IC engines.			Inspection	Ongoing	Make the site available for inspection by representatives of the District, CARB, and the CEC.
Air Quality	AQ-60	Operational limitation of 200 hours per year for IC engines, *modified to 100 hours for fire water pump & 20 hours for emergency generators to comply with revised District regulations*.	Within 60 days of end of qtr	4th Qtr '17 1/16/18; 1st Qtr '18 4/25/18; 2nd Qtr 18 7/25/18; 3rd Qtr 18 10/25/18	Quarterly Report	Ongoing	Compile records of hours of operation of any of the IC engines and include those records as part of the quarterly reports submitted to the CPM under Condition AQ-28.

LA PALOMA COMPLIANCE MATRIX

2018 ANNUAL COMPLIANCE REPORT (As of 12/31/18)

Category	Condition #	Condition	Due Date	Date Submitted	Requirement	Status	Verification
Air Quality	AQ-61	Record keeping requirement for hours of operation and diesel sulfur content for IC engines.			Data Compilation/ Inspection	Ongoing	Compile records of hours of operation of the IC engines and of the diesel fuel purchased that includes the sulfur content, and maintain the data for a period of five years. Make the site available for inspection by representatives of the District, CARB, and the CEC.
The following conditions (Conditions AQ-62 through AQ-78) shall apply to the following permit units:							
S-3412-13-0 - 6.2 MMBTU/HR NATURAL GAS FIRED CLAYTON BOILER MODEL EG-154-1 LNB							
Air Quality	AQ-62	Emissions rates shall not exceed any of the following: PM10: 0.007 lb/MMBtu NOx (as NO2): 12 ppmv @ 3% O2 VOC: 30 ppmv @ 3% O2 CO: 50 ppmv @ 3% O2				Ongoing	The project owner shall provide records of the emissions as part of the quarterly reports specified in Condition AQ-28.
Air Quality	AQ-63	Boiler shall be fired exclusively on natural gas, consisting primarily of methane and ethane, with a sulfur content no greater than 0.75 grains of sulfur compounds (as S) per 100 dry scf of natural gas.				Ongoing	Please refer to Condition AQ-64.
Air Quality	AQ-64	Compliance with natural gas sulfur content limit shall be demonstrated within 90 days of startup and during required NOx and CO compliance source testing for the boiler thereafter.			Submittal	Ongoing	The project owner shall provide records to the CPM and the District of the natural gal sulfur content within 90 days of startup and also submitted with the source test results within sixty (60) days of those tests.
Air Quality	AQ-65	Compliance source testing for NOx and CO shall be conducted within 90 days of initial start-up and not less than once every 12 months, except as provided in AQ-66.		Notification 1/11/16	Notification, Testing & Report	Ongoing	The project owner shall notify the CPM and the District thirty (30) days prior to any compliance source test. The project owner shall provide a source test plan to the CPM and District for CPM and District approval fifteen (15) days prior to testing. The results and field data collected by the source tests shall be submitted to the CPM and the District within sixty (60) days of testing.
Air Quality	AQ-66	Source testing to demonstrate compliance with NOx and CO emissions limits shall be conducted not less than once every 36 months if compliance is demonstrated on two consecutive annual tests.		3 yr Notification 1/11/16; Results submittal	Submittal	Ongoing	The project owner shall notify the CPM and the District thirty (30) days prior to any compliance source test. The project owner shall provide a source test plan to the CPM and District for CPM and District approval fifteen (15) days prior to testing. The results and field data collected by the source tests shall be submitted to the CPM and the District within sixty (60) days of testing.
Air Quality	AQ-67	If the project owner fails any compliance demonstration for NOx or CO emission limits when testing not less than once every 36 months, compliance with NOx and CO emission limits shall be demonstrated not less than once every 12 months.				Ongoing	The project owner shall notify the CPM and the District thirty (30) days prior to any compliance source test. The project owner shall provide a source test plan to the CPM and District for CPM and District approval fifteen (15) days prior to testing. The results and field data collected by the source tests shall be submitted to the CPM and the District within sixty (60) days of testing.
Air Quality	AQ-68	Compliance demonstration (source testing) shall be by District witnessed, or authorized, sample collection by ARB certified testing laboratory.				Ongoing	The project owner shall make the site available for inspection by representatives of the District, CARB, and the Commission.

LA PALOMA COMPLIANCE MATRIX

2018 ANNUAL COMPLIANCE REPORT (As of 12/31/18)

Category	Condition #	Condition	Due Date	Date Submitted	Requirement	Status	Verification
Air Quality	AQ-69	(a) Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified thirty (30) days prior to any compliance source test, and a source test plan must be submitted for approval fifteen (15) days prior to testing. (b) The results of each source test shall be submitted to the District within sixty (60) days thereafter. (c) Compliance source testing shall be conducted under conditions representative of normal operation.				Ongoing	The project owner shall notify the CPM and the District thirty (30) days prior to any compliance source test. The project owner shall provide a source test plan to the CPM and District for CPM and District approval fifteen (15) days prior to testing. The results and field data collected by the source tests shall be submitted to the CPM and the District within sixty (60) days of testing.
Air Quality	AQ-70	The following test methods shall be used: NOx (ppmv) EPA Method 7E or ARB Method 100 NOx (lb/MMBtu) EPA Method 10 CO (ppmv) EPA Method 10 or ARB Method 100 Stack Gas Oxygen EPA Method 3 or 3A or ARB Method 100 Fuel Gas Sulfur Content ASTM D3246 or double GC for H2S and mercaptans.				Ongoing	As part of the test plan to be submitted under Condition AQ-65, the project owner shall identify the test methods to be used in the annual compliance source testing.
Air Quality	AQ-71	The stack concentration of NOx (as NO2), CO, and O2 shall be measured at least on a monthly basis using District approved portable analyzers.				Ongoing	The project owner shall provide monthly records of stack concentrations of NOx (as NO2), CO, and O2 as part of the quarterly reports specified in Condition AQ-28.
Air Quality	AQ-72	The project owner shall maintain records of the date and time of NOx, CO, and O2 measurements, the measured NO2 and CO concentrations corrected to 3% O2 and the O2 concentration. The records shall also include a description of any corrective action taken to maintain the emissions in the acceptable range. These records shall be retained at the facility for the period of no less than two years and shall be made readily available for District inspection upon request.				Ongoing	The project owner shall make the site available for inspection by representatives of the District, CARB, and the Commission.
Air Quality	AQ-73	If the NOx or CO concentrations, as measured by the portable analyzer, exceed the permitted emission limits, the project owner or third party shall notify the District and return the NOx and CO concentrations to the permitted emission limits as soon as possible but no longer than one (1) hour after detection. If the portable analyzer readings continue to exceed the permitted emission limits after one (1) hour, the project owner shall conduct a source test within 60 days of the first exceedance to demonstrate compliance with the permitted emissions limits.				Ongoing	The project owner shall notify the District as per the requirement of this condition. If a source test is required, that test shall occur within sixty (60) days of the first exceedance with the results of that test to be submitted to the COM and the District within sixty (60) days of testing.

LA PALOMA COMPLIANCE MATRIX

2018 ANNUAL COMPLIANCE REPORT (As of 12/31/18)

Category	Condition #	Condition	Due Date	Date Submitted	Requirement	Status	Verification
Air Quality	AQ-74	Records shall be retained at the facility for a period of no less than five (5) years and shall be made available for District inspection upon request.				Ongoing	The project owner shall make the site available for inspection by representatives of the District, CARB, and the Commission.
Air Quality	AQ-75	The project owner shall obtain APCO approval for the use of any equivalent low-NOx burner not specifically approved by these Conditions of Certification prior to installation. Approval of any equivalent low-NOx burner shall be made by the APCO's determination that the submitted design and performance data for the alternate burner are equivalent to an approved burner.				Ongoing	The project owner's request for approval of an equivalent low-NOx burner shall be submitted to the District at least ninety (90) days prior to the planned installation date.
Air Quality	AQ-76	The project owner's request for approval of an equivalent low-NOx burner shall include at a minimum the following information: burner manufacturer and model number, maximum heat input rating, manufacturer's performance and design specifications, manufacturer's burner drawings, and description of low-NOx operation.				Ongoing	The project owner's request for approval of an equivalent low-NOx burner under Condition AQ-75 shall include at a minimum the information described above.
Air Quality	AQ-77	The project owner's request for approval of an equivalent low-NOx burner shall be submitted to the District at least ninety (90) days prior to the planned installation date. The project owner shall also notify the District at least thirty (30) days prior to the actual installation of the District approved equivalent low-NOx burner.				Ongoing	The project owner shall comply with the deadline requirements for submittal of information (90 days prior to installation) and notification (at least 30 days prior to installation) described in this Condition.
Air Quality	AQ-78	Boiler natural gas consumption shall not exceed 148.8 MMBtu/day.			Notify CPM	Ongoing	The project owner shall notify the CPM of any proposed changes in the PM10 emission limits, indicate which ERC certificates are to be retired and if necessary submit a Request to Amend conditions AQ-12 through AQ-15 within 60 days after the last unit is initially source tested.
Biological Resources	BIO-3	Designated Biologist will advise the project owner's supervising construction or operations engineer on the implementation of the biological resources Conditions of Certification; supervise or conduct mitigation, monitoring, and other biological resources compliance efforts, particularly in areas requiring avoidance or containing sensitive biological resources, such as wetlands and special status species; and notify the project owner and the CPM of any non-compliance with any biological resources Condition of Certification.		1/24/19		Annual Report Ongoing	During project operation, the Designated Biologist shall submit record summaries in the Annual Compliance Report.
Biological Resources	BIO-4	Supervising engineer shall act on the advice of the Designated Biologist to ensure conformance with the biological resources conditions of certification.			Notify CPM	Ongoing	Within two working days of a notification of non-compliance with a biological resources condition or a halt of construction, notify the CPM by telephone.

LA PALOMA COMPLIANCE MATRIX

2018 ANNUAL COMPLIANCE REPORT (As of 12/31/18)

Category	Condition #	Condition	Due Date	Date	Requirement	Status	Verification
Biological Resources	BIO-5	Develop and implement a Worker Environmental Awareness Program			Maintain WEAP	Ongoing	Provide employees and contractors with Worker Environmental Awareness Training.
Biological Resources	BIO-9	Submit to the CPM a copy of the final BRMIMP and implement measures identified in the plan.			BRMIMP Implementation	Ongoing	Provide the CPM with the final version of the BRMIMP, the CPM will determine the plans acceptability within 15 days of receipt of the final plan. Notify the CPM five working days before changing the BRMIMP. Summarize compliance within 30 days after completion of project construction.
Biological Resources	BIO-11	Incorporate into the permanent closure plans measures that address the local biological resources. The biological resource facility closure measures will also be incorporated into the La Paloma BRMIMP.	TBD		Submit Plan	Ongoing	Address all biological resource-related issues associated with facility closure in a Biological Resources Element. The Biological Resources Element will be incorporated into the Facility Closure Plan.
Facility Design	GEN-9	The project owner shall file a closure/decommissioning plan with the CPM and Kern County for review and approval at least 12 months (or other mutually agreed to time) prior to commencing the closure activities.	TBD		Notify CPM and Kern County	Ongoing	At least 12 months prior to closure or decommissioning activities, file a copy of the closure/decommissioning plan with Kern County and the CPM for review and approval.
Hazardous Materials Management	HAZ-1	No non-CPM-approved hazardous materials.		2/13/19	Annual Compliance Report	Ongoing	The project owner shall provide in the Annual Compliance Report a list of hazardous materials used at the facility in reportable quantities.
Noise	NOISE-2	Document, investigate, evaluate, and attempt to resolve all project related noise complaints.			Report	Ongoing	Within 30 days of receiving a noise complaint, file a copy of the Noise Complaint Resolution Form with Kern County and the CPM documenting the resolution of the noise complaint. If mitigation is required to resolve a complaint, and the complaint is not resolved within a 30-day period, the project owner shall submit an updated Noise Complaint Resolution Form when the mitigation is finally implemented.
Soil & Water Resources	SOIL&WATER-4	Notify the CPM of certification of the wastewater disposal methodology that will be used by the facility. Provide a copy of the approved final Underground Injection Control Permit or a description and schematic of the zero discharge system. *And as revised to allow use of both zero discharge and injection.*		2/22/19	Annual Compliance Report	Annual Report Ongoing	Within 60 days of certification, submit a description of the selected wastewater disposal methodology to the CPM. Provide status reports on injection well and ZD system with annual report.
Transmission Line Safety & Nuisance	TLSN-2	Identify and correct all complaints of interference with radio or television signals from operation of the line and related facilities.		2/22/19	Annual Compliance Report	Annual Reporting Ongoing	All reports of the line-related complaints shall be summarized and included in the Annual Compliance Report to the CPM.
Transmission Line Safety & Nuisance	TLSN-4	Ensure that the transmission line right-of-way is kept free of combustible materials.		2/22/19	Annual Compliance Report	Annual Reporting Ongoing	The project owner shall provide a summary of inspection results and any fire prevention activities along the right-of-way in the annual compliance report

LA PALOMA COMPLIANCE MATRIX

2018 ANNUAL COMPLIANCE REPORT (As of 12/31/18)

Category	Condition #	Condition	Due Date	Date Submitted	Requirement	Status	Verification
Visual Resources	VIS-1	Treat all project structures and transmission lines identified in the treatment plan in non-reflective colors to blend with the agricultural setting.		2/22/19		Annual Reporting Ongoing	Not later than 60 days prior to ordering any structures that are to be color treated during manufacture, submit the proposed plan to the CPM. Not less than 30 days prior to first electricity generation, the project owner shall notify the CPM that all structures treated during manufacture and all structures treated in the field are ready for inspection. Provide annual maintenance update in annual report.
Visual Resources	VIS-3	Design and install all lighting such that light bulbs and reflectors are not visible from public viewing areas and illumination of the vicinity and the nighttime sky is minimized.		2/22/19		Annual Reporting Ongoing	At least 60 days before ordering the exterior lighting, provide the lighting plan to the CPM. Describe any complaints about lighting and resolution in annual report.
Waste Management	WASTE-1	Submit a Waste Management Plan for all wastes generated during construction and operation of the project.		2/22/19		Annual Report Ongoing	At least 90 days prior to start of rough grading; submit a Waste Management Plan to the CPM. Summarize plan vs actual waste management activities in Annual Report
Waste Management	WASTE-3	Notify the CPM of any waste management-related enforcement action that has either been taken or is known to be pending against it or against any waste hauler or treatment, storage, or disposal facility with which it contracts.			Notify CPM	Ongoing	The project owner shall notify the CPM in writing within 10 working days of becoming aware of any such enforcement action.
Waste Management	WASTE-5	No hazardous waste will be stored on site longer than 90 days unless dictated by law, ordinances, regulations or standards (LORS).		2/22/19	Annual Compliance Report	Annual Reporting Ongoing	The project owner shall indicate in the Annual Compliance Report which hazardous wastes are stored on the site longer than 90 days, and which LORS pertain.

ATTACHMENT B

POST-CERTIFICATION CHANGES

Cumulative List of Post-Certification Changes

Energy Commission Approved Changes to Conditions of Certification
As of: 12/31/18

Change No.	Condition	Approved Condition Summary Description	Approval
1	GEO-1, TLSN-3, SAFETY-1, TRANS-5, AQ-C1, 2, 15, 16, 17 & 18	Clarification on Definition of Start of Construction	10/31/99
2	BIO-10	Change in Condition Compliance Date of Completion of Land Transactions	11/30/99
3	NA	La Paloma Ownership Transfer	1/26/00
4	NA	Modifications of Alignment of Transmission and Water Lines	2/4/00
5	NA	Change in Number of Cells per Cooling Tower	2/4/00
6	NA	Plant Site Modifications	2/18/00
7	AQ-2, 12, 13, 14, 15, 41, 42, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76 &77	Proposed Project Modifications to add a Natural-gas-fired Boiler to the Zero Discharge Wastewater System and to Implement the Capability of the Gas Turbines to Operate in a Steam Injection Power Augmentation Mode.	3/22/00
8	SOIL & WATER-4	Change in Verification Timing to Allow for Combination of 2 Wastewater Disposal Technologies to be Used	8/1/00
9	AQ-5 &78	Petition to Correct Condition AQ-5 and to Change the Vendor of the Zero Discharge Boiler	1/10/01
10	NA	Temporary Expansion of Construction Parking/Laydown Areas (until 4/30/02)	7/9/01
11	TSE-4	Integration of New Generating Units with Cal-ISO	8/9/01
12	TLSN-3	Condition Verification Change of Timing for Post-Project EMF Measurements	11/6/01
13	AQ-15, 79 &80	Modification to AQ Conditions to allow for changes to PM10 Emission Limits Based on Source Test Results, and Energy Commission Approval of Excess Emissions During Commissioning	3/5/02
14	AQ-7	Modification to condition to allow for the use of propane during turbine startup ignition	9/25/02
15	AQ-12, AQ-13, AQ-14	Reduction of PM10 emission limits	4/30/03
16	AQ-8, AQ-9, AQ-10, AQ-52, AQ-53	Clarify startup, shutdown, SCR ammonia injection temperature, increase one-hour NOx limit, specify cooling tower drift calculation factor, reduce frequency of cooling tower sampling, & and revise the description of emergency diesel engines	10/6/04
17	NA	Change of equity ownership	11/3/04
18	NA	Change of equity ownership	7/13/05
19	SOIL&WATER-4	Allow use of ZLD or injection for wastewater disposal.	8/1/08
20	NA	Change of equity ownership	4/12/10
21	AQ-51	Cooling tower PM10 emission limit of 20 lb/day	8/11/10
22	NA	Allow use of foggers for turbine inlet air cooling	5/28/13
23	SOIL&WATER-3	SWPPP Notice of Termination granted by CVRWQB on 8/12/15, effective 7/10/15. CEC agreement 8/26/15.	8/12/15
24	NA	Change of Ownership 12/4/17. Ownership name changed to CXA La Paloma, LLC.	12/4/17

ATTACHMENT C

GOVERNMENTAL AGENCY FILINGS

Date	To	From	SUBJECT
1/10/2018	SJVAPCD	CXA La Paloma	Annual Fuel Sulfur Content Monitoring
1/15/2018	Kern County	CXA La Paloma	Electrical Maintenance Permit Report- Fiscal 17/18 2Q
1/17/2018	CXA La Paloma	SJVAPCD	Title V Permit Renewal
1/17/2018	EPA	CXA La Paloma	UIC Permit Quarterly Report for October-December 2016
1/24/2018	CEC	CXA La Paloma	Air Quality (AQ) Quarterly Report - 4Q17
1/24/2018	SJVAPCD	CXA La Paloma	Quarterly CEMS Report 4Q17
1/25/2018	OSHA Website	CXA La Paloma	OSHA Form 300 A Log of work Related Injuries and Illnesses on-line submittal
1/26/2018	USFWS/BLM/CDFW	CXA La Paloma	Designated Biologist's Annual Report
1/29/2018	SJVAPCD	CXA La Paloma	Annual Title V Permit Fees for 2018
1/31/2018	CEC	CXA La Paloma	Form 1304, 4Q17 Declaration
2/1/2018	DOE	CXA La Paloma	Form EIA-923 Power Plant Report for the Month December 2017
2/5/2018	CXA La Paloma	SJVAPCD	2017 Emissions Inventory update notification.
2/20/2018	FERC	CXA La Paloma	Annual Electric Generator Report Form FERC-552 2017
2/22/2018	BOE	CXA La Paloma	Hazardous Waste Generator Fee Return
2/22/2018	SJVAPCD	CXA La Paloma	Title V Bi-Annual Report Required Monitoring & Certification August 1, 2017 - January 31, 2018
2/22/2018	SJVAPCD	CXA La Paloma	Title V Permit - Annual Compliance Certification Report
2/26/2018	CEC	CXA La Paloma	La Paloma Generating Plant Annual Compliance Report 2017
2/27/2018	DOE	CXA La Paloma	Form EIA-923 Power Plant Report for the Month January 2018
2/28/2018	Kern County	CXA La Paloma	La Paloma Hazardous Materials Business Plan
3/6/2018	EPA	CXA La Paloma	UIC WD3 Annual MIT/FOT Test Procedure
3/7/2018	DOE	CXA La Paloma	Annual Electric Generator Report Form EIA-860 2018
3/8/2018	DOE	CXA La Paloma	Supplemental Form 923 Power Plant Report 2017
3/12/2018	SJVAPCD	CXA La Paloma	Unit 3 CEMS Stack NOx Analyzer Deviation Report for 3/05/18 Breakdown
3/14/2018	CXA La Paloma	EPA	Approval Letter for WD3 Annual MIT/FOT Test Procedure
3/23/2018	SJVAPCD	CXA La Paloma	Emission Inventory Statement 2017
3/26/2018	DOE	CXA La Paloma	Form EIA-923 Power Plant Report for the Month February 2017
3/27/2018	BOE	CXA La Paloma	BOE 517 Report
3/28/2018	CXA La Paloma	SJVAPCD	SJVAPCD Breakdown Relief for Request # S-2018-3-8 - U3 Stack NOx Analy. 3 05 18
4/9/2018	Kern County	CXA La Paloma	Electrical Maintenance Permit Report- Fiscal 17/18 3Q
4/16/2018	CXA La Paloma	EPA	Technical Review of UIC Permit Renewal Application
4/19/2018	DOE	CXA La Paloma	Form EIA-923 Power Plant Report for the Month March 2018
4/19/2018	EPA	CXA La Paloma	UIC Permit Quarterly Report Jan-Mar 2018
4/24/2018	SJVAPCD	CXA La Paloma	Toxic Emission Inventory Report for 2015
4/25/2018	SJVAPCD	CXA La Paloma	Quarterly CEMS Report - 1Q18
4/27/2018	CEC	CXA La Paloma	Air Quality (AQ) Quarterly Report - 1Q18
4/30/2018	CEC	CXA La Paloma	Form 1304, 1Q18 Declaration
5/14/2018	SJVAPCD	CXA La Paloma	Rule 4320 Notice of Fee
5/18/2018	CXA La Paloma	EPA	Technical Review of UIC Permit Renewal Application
5/24/2018	CXA La Paloma	Kern County	HMBP Inspection Report - for 5/15/18 inspection
5/24/2018	Kern County	CXA La Paloma	HMBP Inspection Report - signed by plant
5/25/2018	DOE	CXA La Paloma	Form EIA-923 Power Plant Report for the Month April 2018
6/6/2018	CXA La Paloma	SJVAPCD	Notice of upcoming source tests for Units 1 - 4
6/20/2018	DOE	CXA La Paloma	Form EIA-923 Power Plant Report for the Month May 2018
6/22/2018	CXA La Paloma	EPA	Technical Review - Financial Assurance of UIC Permit Renewal Application
6/25/2018	CXA La Paloma	BLM	Decision of assigment approval fro right of way for 230 kv transmission line.
6/25/2018	CXA La Paloma	SJVAPCD	TEIR- Prioritization Score for 2015 Inventory
6/28/2018	SJVAPCD	CXA La Paloma	30-Day Notice of Annual Compliance Source Test/RATA
7/2/2018	CXA La Paloma	CEC	CEC fiscal year 17/18 Fee notice
7/5/2018	Kern County	CXA La Paloma	Electrical Maintenance Permit Report- Fiscal 17/18 4Q
7/11/2018	EPA	CXA La Paloma	2018 Annual MIT/FOT Report Submittal
7/11/2018	EPA	CXA La Paloma	UIC Permit Quarterly Report April-June 2018
7/17/2018	CEC	CXA La Paloma	Form 1304, 2Q17 Declaration
7/18/2018	SJVAPCD	CXA La Paloma	Submittal of Test plans for 2018 Annual Compliance Source Test/RATA.
7/19/2018	DOE	CXA La Paloma	Form EIA-923 Power Plant Report for the Month June 2018
7/25/2018	KCEHS	CXA La Paloma	Annual Haz Waste/Materials Fees
7/25/2018	CEC	CXA La Paloma	Air Quality (AQ) Quarterly Report - 2Q18
7/25/2018	SJVAPCD	CXA La Paloma	Quarterly CEMS Report - 2Q18
8/13/2018	SJVAPCD	CXA La Paloma	Breakdown.
8/15/2018	SJVAPCD	CXA La Paloma	Title V Biannual Report of Required Monitoring & Certification February 1 - July 31, 2018
8/29/2018	DOE	CXA La Paloma	Form EIA-923 Power Plant Report for the Month July 2018

9/13/2018	SJVAPCD	CXA La Paloma	Unit 3 CEMS GTMC NOx Analyzer Deviation Report for 9/05/18 Breakdown
9/24/2018	DOE	CXA La Paloma	Form EIA-923 Power Plant Report for the Month August 2018
9/25/2018	Kern County	CXA La Paloma	Electrical Maintenance Permit Report- Fiscal 18/19 1Q
10/5/2018	SJVAPCD	CXA La Paloma	Submit Annual Source Test Report to District - Unit 3
10/5/2018	SJVAPCD	CXA La Paloma	Submit Annual Source Test Report to District - Unit 1
10/9/2018	CEC	CXA La Paloma	Application for Dormant Status of Clayton Boiler
10/10/2018	EPA	CXA La Paloma	UIC Permit Quarterly Report for WD-3 July-September 2018
10/11/2018	SJVAPCD	CXA La Paloma	Submit Annual Source Test Report to District - Unit 2
10/11/2018	SJVAPCD	CXA La Paloma	Submit Annual Source Test Report to District - Unit 4
10/17/2018	CXA La Paloma	SJVAPCD	Determination of Compliance Testing - Unit 1
10/17/2018	CXA La Paloma	SJVAPCD	Determination of Compliance Testing - Unit 2
10/17/2018	CXA La Paloma	SJVAPCD	Determination of Compliance Testing - Unit 3
10/17/2018	CXA La Paloma	SJVAPCD	Determination of Compliance Testing - Unit 4
10/22/2018	CXA La Paloma	CAISO	60-day Notification to mothball Units 3 & 4
10/22/2018	DOE	CXA La Paloma	Form EIA-923 Power Plant Report for the Month September 2018
10/22/2018	CXA La Paloma	CEC	Approval of Dormant Status for Clayton Boiler
10/22/2018	CEC	CXA La Paloma	Form 1304, 3Q18 Declaration
10/25/2018	CEC	CXA La Paloma	Air Quality (AQ) Quarterly Report - 3Q18
10/25/2018	SJVAPCD	CXA La Paloma	Quarterly CEMS Report - 3Q18
10/30/2018	CXA La Paloma	SJVAPCD	SJVAPCD Breakdown Relief for Request # S-2018-8-3 - U1 Stack O2 Analy. 8 04 18
10/30/2018	CXA La Paloma	SJVAPCD	SJVAPCD Breakdown Relief for Request # S-2018-9-17 - U3 GTMC O2 Analy. 9 05 18
11/8/2018	SJVAPCD	CXA La Paloma	Permit application for Dormant Status for Clayton Boiler
11/28/2018	DOE	CXA La Paloma	Form EIA-923 Power Plant Report for the Month October 2018
11/29/2018	SJVAPCD	CXA La Paloma	Unit 2 CEMS Stack NOx Analyzer Deviation Report for 11/20/18 Breakdown
12/17/2018	CXA La Paloma	SJVAPCD	Notice of receipt of complete appliaction for Dormant Status of Clayton Boiler
12/19/2018	CXA La Paloma	SJVAPCD	SJVAPCD Breakdown Relief for Request # S-2018-11-3 1- U2 Stack O2 Analy. 11 20 18
12/21/2018	DOE	CXA La Paloma	Form EIA-923 Power Plant Report for the Month November 2018
12/21/2018	CAISO	CXA La Paloma	60 Day Notification to mothball Units 1 & 2
12/28/2018	CXA La Paloma	SJVAPCD	Notice of upcoming source test for Clayton Boiler
Not Required	FERC	CXA La Paloma	FERC 580 (2017) Report

ATTACHMENT D

PROJECT COMPLIANCE ACTIVITIES FOR 2019

Project Compliance Activities Scheduled for 2019

1. AQ-21 & AQ-64, conduct quarterly gas analysis.
2. AQ-22, conduct annual source testing and RATA for Units 1-4 and submit results.
3. AQ-26, submit quarterly reports.
4. AQ-28, submit quarterly reports.
5. AQ-30, submit quarterly reports.
6. AQ-33, conduct quarterly CEMS audits for Units 1-4 and submit reports with quarterly compliance reports.
7. AQ-35, submit quarterly reports.
8. AQ-53, conduct quarterly cooling water analysis.
9. BIO-3, Designated Biologist to prepare annual biology report and include in the Annual Compliance Report.
10. TLSN-4, conduct transmission line inspections.
11. Conduct weekly hazardous waste/hazardous materials area inspections.
12. Conduct monthly, quarterly, and annual SPCC oil tank inspections.
13. Submit quarterly CEMS EDR.
14. Submit Title V Semiannual Deviation Reports.
15. Submit Energy Commission Annual Compliance Report.
16. Submit annual Title V Certification Report.
17. Submit annual Hazardous Materials Business Plan Update.
18. Conduct annual UIC well Fall Off Test and Mechanical Integrity Test
19. Submit quarterly and annual UIC well reports.
20. Submit annual Acid Rain Program SO2 allowances.
21. Review SPCC Plan and update as needed.
22. Prepare and conduct C Outage applicability determination, notification and waiver request for Unit 3 outage.
23. Ammonia tank external inspection for RMP.
24. Borescope inspections of gas turbines planned for Units 1,2 in January.
25. Repair steam turbine in Unit 4.
26. Replace the CEMS/DAHS for all Units 1,2
27. Units 1&2 to be placed in mothball status.

ATTACHMENT E

REVISIONS TO ON-SITE CONTINGENCY PLAN

LA PALOMA GENERATING PLANT

ON-SITE CONTINGENCY PLAN FOR UNEXPECTED TEMPORARY AND PERMANENT FACILITY CLOSURE

CXA La Paloma, LLC
1760 W. Skyline Road
McKittrick, California 93251

February 2019

TABLE OF CONTENTS

List of Tables

List of Figures

Appendices

RECORD OF CHANGES

Revision Number	Revision Date*	Revision Description	Date Entered	Signature of Person Entering
1	2/17/04	Revised Site Map & Appendices A, B, & C	2/17/04	
2	2/10/05	Cover Page, Table of Contents, Pages 1 & 2, Pages 5 through 7, Site Map, & Appendices A, B, & C	2/10/05	
3	2/13/06	Cover Page, Table of Contents, Page 1, 2, 4, 5, 7, & 9, Site Map, & Appendices A, B, & C	2/13/06	
4	2/20/07	Cover Page, Table of Contents, Pages 1, 2, 3, and 9, Site Map	2/20/07	
5	2/22/08	Cover Page, Table of Contents, Pages 1 through 7 and 9	2/22/08	
6	2/19/09	Cover Page, Pages 1 through 5, and Site Map	2/19/09	
7	2/16/10	Cover Page, Pages 2, 4, 7	2/16/10	
8	2/17/11	Cover Page, Table of Contents, Pages 1, 3, 6 through 8, and Appendices A, B, and C	2/17/11	
9	2/1/12	Cover Page, Pages 8,10, Figure 1 and Appendix A.	2/1/12	
10	2/4/13	Page 8 Insurance carrier change	2/4/13	
11	2/1/14	USEPA contact change- page 5,Waste Transporter update- page 7,	2/1/14	
12	2/1/16	Cover Page, Table of Contents, Pages 1, 2, 3, 5, 6 through 8, and Appendices A, B, and C	2/1/16	Paul Sumal

13	2/1/17	Cover Page, Pages 1 & 2, Appendix A	2/1/17	Paul Sumal
14	2/8/18	All pages, changed references to LPGC and La Paloma Generating Company changed to CXA La Paloma and from Rockland Capital to Kelson Energy.	2/8/18	Paul Sumal
15	2/12/19	Cover Page, Pages 1 &2, Appendix A.	2/12/19	Paul Sumal

*Note: Pursuant to Condition 9 of the Annual Compliance Report Section of the CEC Decision, the On-Site Contingency Plan is reviewed and updated annually, as necessary. The Record of Changes is documented in the Annual Compliance Report.

UPDATE NOTICE

To all holders of the "On-Site Contingency Plan for Unexpected Temporary and Permanent Facility Closure" for the Plant:

Revision Number: 15
Date: 2/12/19

Attached are revised pages for the "On-Site Contingency Plan for Unexpected Temporary and Permanent Facility Closure" that has been assigned to you. Please remove pages in your book and replace with these revisions.

Remove Old Pages	Replace with Revised Pages
All Pages	All Pages

INTRODUCTION

The On-Site Contingency Plan for Unexpected Temporary and Permanent Facility Closure was prepared in accordance with the California Energy Commission's (CEC) Commission Decision Docket Number 98-AFC-2, Section IV – General Conditions for Closure Plan. CXA La Paloma, LLC (CXA LA PALOMA) personnel will use this plan in the event of an unexpected temporary or permanent closure. The CEC defines "unexpected temporary closure" as:

> *This unplanned unexpected temporary closure occurs when the facility is closed suddenly and/or unexpectedly, on a short-term basis, due to unforeseen circumstances such as a natural disaster, or an emergency.*[1]

"Unexpected permanent closure" is defined as:

> *This unplanned unexpected permanent closure occurs if the project owner closes the facility suddenly and/or unexpectedly, on a permanent basis. This includes both when an owner is implementing the on-site contingency plan, and when the project owner has abandoned the project.*[1]

The purpose of this plan is to provide an on-site contingency plan in order to ensure that the unexpected closure occurs in such a way that public health and safety and the environment are protected from adverse impacts. The plan covers written procedures concerning site security, hazardous materials and waste removal, and insurance and warranty coverage.

NOTIFICATION PROCEDURES

In the event of an unexpected temporary or permanent closure, the Plant Manager or designee shall notify the CEC Compliance Project Manager (CPM) and other responsible agencies within 24 hours, and take all necessary steps to implement this Plan. Notification shall be made by either telephone, fax, or e-mail (see Table 1). The Plant Manager shall also keep the CPM informed of the circumstances and expected duration of the closure.

If the Plant Manager or CPM determines that a temporary closure is likely to be permanent, or for a duration of more than twelve months, a closure plan consistent with CEC requirements for a planned closure shall be developed and submitted to the CPM within 90 days of the CPM's determination (or other period of time mutually agreed to by the owner and the CPM).

[1] California Energy Commission, La Paloma Generating Project Commission Decision (98-AFC-2), October 1999, p. 31.

TABLE 1
AGENCIES TO BE NOTIFIED

California Energy Commission	
Mary Dyas Compliance Project Manager 1516 9th Street, MS-2000 Sacramento, CA 95814	Tel.: (916) 651-8891 Fax: (916) 654-3882 E-mail: mdyas@energy.state.ca.us
California Occupational Safety and Health Administration ("Cal OSHA")	
Cal/OSHA 2550 Mariposa Street, Suite 4000 Fresno, CA 93721	Tel.: (559) 445-5302 Fax: (559) 445-5786
Kern County Fire Department	
Captain Brad Brazeau K.C.F.D. - Sta. 24 23246 - 2nd St., McKittrick, CA 93251	Tel.: (661) 762-7396
Regional Water Quality Control Board – Central Valley Region	
Matt Scroggins 1685 "E" Street Fresno, CA 93706-2007	Tel.: (559) 445-5116 Tel.: (559) 445-6042 Fax: (559) 445-5910 E-mail: Matt.Scroggins@waterboards.ca.gov
San Joaquin Valley Air Pollution Control District	
Leonard Scandura 34946 Flyover Court Bakersfield, CA 93308	Tel.: (661) 392-5500 Fax: (661) 392-5585 E-mail: leonard.scandura@valleyair.org
Kern County Environmental Health Services Department	
Matthew Constantine, Director 2700 "M" Street, Suite 300 Bakersfield, CA 93301-2370	Tel.: (661) 862-8700 Fax: (661) 862-8701 E-mail: eh@co.kern.ca.us
US Environmental Protection Agency – Region IX	
Math Salazar 75 Hawthorne Street, AIR-5 San Francisco, CA 94105-3901	Tel.: (415) 972-3982 Fax: (415) 947-3579 Email: salazar.matt@epa.gov
David Albright Groundwater Office, WTR-9 75 Hawthorne Street, AIR-5 San Francisco, CA 94105-3901	Tel.: (415) 972-3971 Fax: (415) 947-3545 E-mail: albright.david@epa.gov
California Department of Fish & Game	
Laura Peterson Diaz 1234 East Shaw Avenue Fresno, CA 93710	Tel.: (559) 243-4014 x225 Fax: (559) 243-4020
US Bureau of Land Management	
Larry Saslaw 3801 Pegasus Drive Bakersfield, CA 93308	Tel.: (661) 391-6086 Fax: (661) 391-6041 Email: Lawrence_saslaw@ca.blm.gov

PLANT SHUT DOWN PROCEDURE

In the event of a plant closure, CXA LA PALOMA personnel will shut down all operating equipment that is not necessary to respond to an emergency, in accordance with plant operating procedures. In the event of an emergency shutdown (e.g., fire, earthquake, sabotage, etc.), CXA LA PALOMA personnel should consult Appendix A to this document, "La Paloma Generating Plant Emergency Response Plan Reference Manual" (ERP). As the ERP states, the purpose of this procedure is to provide emergency response guidelines so that the CXA LA PALOMA shift and management personnel can adequately evaluate the situation and respond in the interests of protecting personnel, company resources, and the environment.

The ERP provides guidelines for emergencies, including accidental release of toxic gases, chemical spills, fires, explosions, bomb threats, threats to security, and personnel injuries. There are several situations that may require emergency response by site personnel. The response required for each situation may vary, and each requires a separate plan. The individual plans are discussed in the ERP.

In the event of an emergency, the Incident Commander (IC) shall act as the lead Emergency Coordinator to determine whether to evacuate an area.

SITE SECURITY AND EMERGENCY RESPONSE

An eight-foot high chain-link fence surrounds the La Paloma Generating Plant. The main gate, which is controlled/activated by key pad and verbal communication with the Control Room, is located on Skyline Road. Entry into the Plant is monitored by remote camera 24 hours per day, 365 days per year from the Control Room. Duties of the Plant Operators include checking plant security measures during each shift.

In the event of an unexpected closure, CXA LA PALOMA will ensure that the plant fence is intact and either use a manned guard or private security services to maintain site security, if necessary.

In the event of an emergency, the Kern County Fire Department will have access through the main gate. The Fire Department will also have access to copies of the following documents:

- SMP-2 – Emergency Response Plan – (Appendix A, attached)
- SMP-8 – HAZMAT Communication Program (Appendix B, attached)
- SMP-4 – Fire Prevention Plan (Appendix C, attached)
- Hazardous Materials Business Plan
- Risk Management Plan

The information contained in these plans will enable the Fire Department to respond to any emergency in the event that station personnel have evacuated the premises.

HAZARDOUS MATERIAL AND WASTE REMOVAL

Handling and disposal of all hazardous materials and wastes shall be in accordance with all applicable laws, ordinances, regulations, and standards. Refer to Figure 1 for the location of all hazardous materials that are routinely present at the CXA LA PALOMA. In the event of an unexpected temporary closure, not all hazardous materials may require removal. In such an event, CXA LA PALOMA will conduct a visual inspection of all hazardous material storage vessels to assess container integrity. Hazardous wastes will be disposed of per applicable regulations, based on the generator status of CXA LA PALOMA prior to the unexpected facility closure date (i.e., within 90 days for a large quantity generator and 180 days for a small quantity generator, per 40 CFR 262.34).

CXA LA PALOMA has implemented a comprehensive HAZMAT Communication Program, as defined in SMP-8. The objectives of HAZMAT Communication Program is to ensure that all hazardous materials at the CXA LA PALOMA are used and handled in the safest manner possible, to prevent/minimize employee exposure to those materials, and to minimize the effects of an accidental release of those materials, in compliance with applicable laws and regulations. In the event of an unexpected temporary closure, HAZMAT Communication Program will be consulted if it is necessary to remove any hazardous material or waste.

Whenever practical, hazardous materials will be returned to the vender or transferred to another entity that may have use for the material(s). The following waste transporters or other qualified waste transporters will be used if it is deemed necessary to remove any hazardous wastes:

TABLE 2
WASTE TRANSPORTERS

TRANSPORTER	TELEPHONE NUMBER
MP Environmental Services	(661) 393-1151
KVS Transportation Inc	(661) 762-7577
Coles Environmental Services	(661) 322-8258
Advanced Cleanup Technologies, Inc.	(661) 392-7765

If the unexpected temporary closure also results in a release of hazardous materials or waste, plant personnel will consult the ERP, HAZMAT Communication Program, Hazardous Materials Business Plan and/or Risk Management Plan. These plans address accidental release prevention and emergency policies in place at the Plant, a hazardous materials inventory, employee training, location of safety equipment, main utility shutoffs (See Figure 1) for the Plant, and notification methods, and accident investigation procedures. In addition, the Spill Prevention, Control, and Countermeasures Plan describes the necessary actions in the event of an oil spill to prevent spilled material from exiting the site.

Plant personnel will consult the ERP, HAZMAT Communication Program, and the Spill Prevention, Control, and Countermeasures Plan prior to proceeding with any hazardous materials or waste removal.

INSURANCE COVERAGE

CXA LA PALOMA, LLC is insured under a policy for direct physical loss or damage, including freezing, boiler explosion, machinery and electrical breakdown, flood and earthquake, and business interruption. The insurance program also includes terrorism coverage. The policy is by Aon Risk Services, and insures La Paloma Generating Plant up to a limit of approximately $ 1.25 billion.

Additionally, CXA LA PALOMA has set up a trust at the Bank of New York in favor of the EPA in the amount of $127,500 per US Environmental Protection Agency (EPA) regulations to demonstrate financial assurance for future plugging and abandonment of UIC Class I Non-Hazardous Waste Injection Well WD-3, Permit No. CA10710001. This will remain in force for the lifetime of the well.

UNEXPECTED TEMPORARY CLOSURE

In the event that the CXA LA PALOMA Plant is closed temporarily, there are additional tasks to be performed, including notifications and development of contingency plans for areas of transmission line engineering and biological resources.

Transmission Line Engineering

Prior to electrical generation, CXA LA PALOMA was required to sign a Generator Facility Interconnection Agreement (GFIA), with PG&E, and the Cal ISO which establishes procedures for planned, unexpected temporary, and unexpected permanent closure. These procedures define communication between CXA LA PALOMA and PG&E that is necessary to ensure that plant closure will comply with all applicable laws, ordinances, regulations and standards (LORS), and that system safety and reliability will not be jeopardized.

Biological Resources

In the case of temporary closure, measures to protect biological resources would be needed only if there were a potential for surface disturbances or releases of harmful materials. If such an event occurs, CXA LA PALOMA will consult with responsible agencies to plan clean up and mitigation of impacts to biological resources.

UNEXPECTED PERMANENT CLOSURE

In the event that the CXA LA PALOMA Plant is closed permanently, there are additional tasks that need to be performed, including preparing a facility closure plan, notifying agencies, ensuring site security, removing hazardous materials and wastes, and providing for closure of the injection well.

Facility Closure Plan

In order to ensure that the permanent closure does not create adverse impacts, a closure process will be undertaken by CXA LA PALOMA that provides for careful consideration of available options, applicable laws, ordinances, regulations, standards, and local plans in existence at the time of closure. CXA LA PALOMA will meet with the CEC and other agencies as necessary prior to the development of the closure plan to establish the elements of the plan. In accordance with CEC Condition of Certification GEN-9, the plan will include the following:

1) Future plans for the site (e.g., redevelopment, sell property, etc.)
2) Information required by specific CEC Conditions of Certification (VIS-3, Fire Protection-2, etc.)
3) A plan for the removal of hazardous materials stored on site. If hazardous waste or contamination exists (or there is a possibility that contamination exists), a plan to conduct an environmental site assessment and remediate those wastes shall be prepared. The plan will be submitted to the Department of Toxic Substances Control, Regional Water Quality Control Board, or other appropriate agency with jurisdiction over the remediation.
4) A discussion of potential impacts and mitigation to address significant adverse impacts associated with proposed closure activities, and to address facilities, equipment, or other plant-related remnants that will remain at the site.
5) A schedule of activities for closure of the power plant site, raw water pipeline, transmission line corridor, gas meter station, injection well, and all other appurtenant facilities included as part of the plant site.
6) A list of any facilities or equipment intended to remain on site after closure, including the reason it must remain, and its intended future use, if any.
7) A discussion on conformance of the plan with all applicable laws, ordinances, regulations, standards, local/regional plans in existence at the time of plant closure and applicable conditions of certification.

The plan will be submitted to the CEC's CPM and Kern County for review and approval at least 12 months (or other mutually agreed-to time) prior to commencing the permanent closure activities.

Agency Notification

Additional notification may be necessary in the event of a permanent closure, including re-notifying each of the agencies listed in Table 1. The Closure Plan will also be sent to those appropriate agencies with which CXA LA PALOMA has a current permit (e.g., Regional Water Quality Control Board, San Joaquin Valley Air Pollution Control District, USEPA, etc.).

Site Security

Prior to permanent closure, the Plant Manger or designee will notify the Kern County Fire Department and Sheriff's Department, giving them notice that the existing level of site surveillance will not be in effect. This will enable these agencies to respond appropriately in the event of a disturbance or fire. It may be necessary for CXA LA PALOMA to provide site security for a period of time following permanent closure. The Plant Manager or designee will determine the need for such interim security and will address it in the Closure Plan, if necessary.

Removal of Hazardous Materials and Waste

As required by the CEC Decision, CXA LA PALOMA is responsible for removing all hazardous materials from the site as part of permanent site closure. If CXA LA PALOMA intends to redevelop the site, other plans may be made to either remove or store materials in a different location. The details of the removal will be covered in the Closure Plan.

Biological, Cultural and Paleontological Resources

When a permanent Closure Plan is prepared, it will include the take avoidance and mitigation requirements in effect at the time for the species that would be impacted. The plan will also include the removal of the transmission facilities when they are no longer used and useful and reclamation of areas where facilities would be removed. This may include ripping of soil, contouring of disturbed areas, and implementation of erosion control, revegetation, and other measures deemed appropriate at the time the Closure Plan is developed.

Biological resources compliance reporting for closure activities would likely include pre-activity survey reports, environmental monitoring reports during reclamation, and a final report describing the closure activities and any follow-on reclamation work that would be required.

The permanent Closure Plan will include a description regarding the potential of the closure activities to impact cultural and paleontological resources. The closure requirements are to be based upon the Cultural Resources and the Paleontological Resources Final Reports. If no activities are proposed that would potentially impact either of these resources, no mitigation measures will be required.

Closure of the Injection Well

In the event of a permanent closure, CXA LA PALOMA is required to close, plug, and abandon the underground injection operation after a cessation of injection of two years, as provided in the Plugging and Abandonment Plan, unless CXA LA PALOMA otherwise notifies EPA of its intent to maintain the well in an open condition beyond the 2 years. CXA LA PALOMA has established a Letter of Credit to maintain financial responsibility for this well closure.

TABLE OF CONTENTS

Appendix H Not Used

Appendix I Actions for Suspected Sabotage Events

Appendix J On-Site Hazardous Chemicals

REFERENCES

None

SUB-SECTIONS

None

DOCUMENT REVISION HISTORY

Rev	Rev Date	Description of Changes / Comments
D1	18 Dec 12	Section 9.C.3 has been revised to conform to CIP-001 wording.
D1	18 Dec 12	Appendix I. Two rows have been added at the end of the table to address Multi Site Sabotage per CIP-001.
D1	10 Feb 14	Remove Appendix G (OE-417) and Appendix H (OE-417 Instructions. Removed NERC reference and referred to -RCP-NERC-EOP-004-ATT-A or NERC related reporting
D2	10 Oct 16	New Section Added for Reporting Requirements for the CPUC
12	16 May 17	Updated for plant use
13	8 Feb 18	Changed references from La Paloma Generating Company, LLC to CXA La Paloma, LLC. Updated contact list on Page 20.
14	12 Jul 18	Changed logo and uodated contact list

1. PURPOSE

The purpose of this Safety Manual Procedure is to establish guidelines for responding to plant emergencies. The instructions in this SMP apply to all plant personnel, contractors, and any others who may be on the plant site during a fire, chemical release or spill, medical emergency, severe weather, or bomb threat.

2. RESPONSIBILITIES

A. The Plant Manager has overall responsibility for the development, revision, and implementation of this plan and for assigning the associated responsibilities of Emergency Coordinator and Evacuation Coordinator to selected employees so that emergencies shall be effectively managed at all times of day or week.

B. The Emergency Coordinator is responsible for conducting fire and evacuation drills. The Emergency Coordinator is responsible for ensuring the Fire Department is notified, if necessary, and coordinating a response to the incident as well as directing the evacuation according to this plan. The Emergency Coordinator shall designate an Evacuation Coordinator if the emergency requires personnel to evacuate.

C. The Control Room Operator will act as the Emergency Coordinator until relieved by management and shall account for all personnel on-site.

D. The Evacuation Coordinator shall maintain communication with the Emergency Coordinator and keep a head count of all evacuated personnel in order to report the status to the Emergency Coordinator. The Evacuation Coordinator may be any qualified plant employee.

E. All personnel will be trained on their work areas regarding fire routes, exits, the location and use of emergency equipment, and understanding and following this plan. All personnel who have contractors or visitors at the facility shall ensure that they are familiar with this plan.

3. EMERGENCY RESPONSE OVERVIEW

This procedure provides immediate action steps to be used in a variety of emergencies. It is impossible to provide the exact steps to be followed in all emergencies and emergencies can involve several types of problems at once (a fire with corresponding injuries and a release of hazardous materials for example). Also, the sequence of actions in this procedure may not be the best sequence given the specific situation of an emergency. Steps in this procedure should be performed in an order that fits each situation, relying on sound judgment from plant operators.

A. GENERAL REFERENCING

Use the Emergency Response Call Record Form (Appendix E) to document all notifications made during an emergency, including all instructions given by parties contacted. The Emergency Response Contact List (Appendix F) should be posted in the Control Room. Reporting guidelines for accidents and injuries, and for "near-miss" safety/environmental accidents, are covered later in this Safety Manual (SMP-14, Accident and Injury Reporting).

B. REPORTING INJURIES, INCIDENTS, AND EMERGENCIES TO THE CALIFORNIA PUBLIC UTILITIES COMMISSION (CPUC)

1. Plant Management whos facility generates 50 MW or greater are required to report, within 2 hours during working hours and 4 hours outside of working hours at 1-866-924-9757, any incident which results in:

   a. A fatality or personal injury rising to the level of an in-patient hospitalization

   b. Are the subject of significant public attention or media coverage; or,

   c. Damage to property of the utility or others estimated to exceed $50,000 and are attributable or allegedly attributable to utility owned facilities.

2. The facility should follow up with an email or fax update within 24-hours and a final report within 20 days to the CPUC.

   a. http://www.cpuc.ca.gov/emrep/ See excerpt from Appendix B to D. 06-04-055.

   b. The report shall identify the time and date of the incident,

   c. The time and date of the notice to the Commission,

   d. The location of the incident,

   e. Casualties which resulted from the incident,

   f. Identification of casualties and property damage.

3. Additionally, facilities must report, within 2 hours during working hours and 4 hours outside of working hours, incidents which involve the release of gas and:

   a. A fatality or personal injury rising to the level of an in-patient hospitalization

   b. Are the subject of significant public attention or media coverage; or,

c. Damage to property of the utility or others estimated to exceed $50,000 and are attributable or allegedly attributable to utility owned facilities.

4. The facility should follow up with full report on the designated form within 30 days to the CPUC. See excerpts from GO 112-E and CFR 49 § 191.9 .

5. The report shall include a description of the utility's response to the incident and the measures the utility took to repair facilities and/or remedy any related problems on the system which may have contributed to the incident.

4. HAZARDOUS WASTE OPERATIONS AND EMERGENCY RESPONSE (HAZWOPER)

A. SPILL RESPONSE PROCEDURE

The following steps will be done immediately upon observation of a hazardous material spill. This procedure is intended to be a concise list of the basic emergency response steps and must be used in conjunction with Hazardous Material Spill Training and Follow-up section below.

1. ENSURE that all personnel are evacuated from the spill area. Attend to any injured personnel.

2. EVACUATE the entire plant if it becomes necessary. Primary evacuation routes are shown in Appendix A. The Plant Manager or his designee may designate different evacuation routes at the time of the accident based on the information known at the time. Personnel may also be directed to go to a particular area of the plant to evacuate the area of the emergency if evacuation of the site is undesirable.

3. Additionally, if the emergency involves a toxic airborne release, the Plant Manager or his designee will EVALUATE the release and wind conditions and DETERMINE whether or not to evacuate plant personnel or "shelter-in-place". The shelter-in-place concept is preferable in the situation where a high concentration cloud of toxic gas passes a building containing people.

   If the gas cloud is moving in the direction of the control room, SHUT DOWN all air conditioning and ventilation systems. All personnel in the building should enter the control room area and all doors leading to this area should be closed.

4. TAKE the necessary steps to MITIGATE the spill or release (e.g., SHUT OFF pumps, CLOSE valves, DISCONTINUE loading/unloading operations, etc.) if it safe to do so. If at all possible, STOP the spill at its source.

5. Immediately NOTIFY (Control Room Operator (or equivalent)) all personnel on-site of the spill/release.

NOTE

The Plant Manager, NAES Headquarters Managers, and the Owner's Representative shall be notified as soon as possible. This requirement should never interfere with proper physical responses to the emergency.

6. The Plant Manager (or a designee) will INSTRUCT plant personnel for further spill response measures. At any time the Plant Manager determines that the spill or any measure needed to prevent, contain, control, or clean up the spill is beyond the ability or training of the facility manpower and/or equipment, he shall immediately CONTACT outside hazardous materials emergency responders and remediation contractors to help control/clean up the spill.

7. If the spill or release is of a nature that may place the public at risk, INITIATE public warnings through the local emergency agencies listed on the Emergency Response Contact List in Appendix F.

8. The Plant Manager or his designee will MAINTAIN plant security and communications. In no case shall members of the press be admitted without the approval of Owner Representative. The Owner Representative or his designee will handle all public relations, press releases, and outside inquiries.

9. Make every reasonable effort to keep the spill on the plant property. In the event that the material has been released from the containment system, all necessary steps shall be taken to prevent it from entering storm sewers, public waters, or from escaping the facility property as long as it is safe to do so.

10. REFER to MSDS sheets for proper use of personnel protective equipment.

11. BUILD berms, PLACE absorbent materials, PLUG storm drain inlets, culverts, and ditches to stop the flow of the spill. If necessary, PLUG culverts of streams and drainage ditches leaving the plant to stop the flow of the spill.

NOTE

Plant personnel are only qualified to respond to a spill at the First Responder-Operations level. Response to the spill can involve operating equipment remotely or placing absorbents in the flow path, if done without placing employees in an unsafe condition.

12. DOCUMENT all events in detail as soon as possible.

13. FOLLOW UP with all emergency response organizations, NAES headquarters, and the Owner Representative to ensure all reporting

requirements have been met. REPORT all injuries in accordance with SMP-14, Accident, and Injury Reporting.

B. HAZARDOUS MATERIAL SPILL TRAINING AND FOLLOW-UP

This section provides details and information to be used in preparation for and response to emergencies involving hazardous materials incidents in compliance with OSHA Hazardous Waste Operations and Emergency Response Standard. This section is also to be used in conjunction with the facility Spill Prevention, Control, and Countermeasure Plan (SPCC) if the spill involves a fuel oil spill at the plant. The SPCC is required by EPA oil spill regulations 40 CFR 110 (which defines the discharge of oil) and 40 CFR 112.3 (which requires an SPCC). The SPCC is a spill prevention plan (that is, actions to be taken before the spill occurs), while this procedure is a spill response plan (that is, an action to be taken after the spill occurs).

Guidance pertaining to employee safety and training related to major hazardous materials releases and subsequent cleanup operations is contained in 29 CFR 1910.120, Hazardous Waste Operations and Emergency Response, referred to as HAZWOPER.

Overview of Hazardous Materials

The chemicals listed in Appendix J possess characteristics which could, if released in an uncontrolled manner and in sufficient quantity (above a specified threshold quantity), necessitate an emergency response under regulations specified by 29 CFR 1910.120.

Hazardous Materials Release Guidelines

Incidental releases can be controlled, contained, and cleaned up by employees in the immediate area. No outside or special assistance is required. Nuisance spills and minor releases which do not require immediate attention (due to lack of danger to employees) would be considered within the normal activities and training of the employee.

Incidental releases, for the purposes of operator training and response activities pertaining to the unintended release of hazardous materials on-site, may be approached, controlled, stopped, absorbed, neutralized, and cleaned up as long as plant personnel do not endanger themselves, others, or the environment in the process.

Personnel will carry out system operations at a safe distance to minimize the severity of the release. Remote control of valves and pumps will be employed as available to minimize the necessity of approaching the point of origin of an incidental release. Personnel will employ PPE, as needed and for which they are trained, to minimize potential for contact with the released materials. Clean up and hazardous material disposal techniques will be followed to ensure safe and efficient return to normal operations.

Recording and reporting of the release should be made promptly as described in the Notification section below. The Plant Manager, or a designee, shall review the situation and notification requirements to determine what outside organizations are required to be notified. As a minimum, the Owner Representative and NAES Headquarters Managers shall be notified. Refer to the table for Reportable/Threshold Quantities for any Extremely Hazardous Substances that are stored on-site. Proper decontamination of equipment and PPE shall be implemented after the cleanup is completed.

A hazardous materials emergency response is any response effort by employees from outside the immediate release area or by other designated responders (i.e., mutual aid groups, local fire departments, etc.) to an occurrence which results, or is likely to result, in an uncontrolled release, which may cause high levels of exposure to toxic substances, or which poses danger to employees requiring immediate attention. No employee shall attempt to perform actions for which they have not been prepared, through training and experience, or for which they are not properly equipped. On-site and off-site training will be conducted both initially and on a continuing basis, as necessary, to ensure that personnel have the knowledge and experience to make a reasonable determination of the dangers when faced with a release situation.

If an uncontrolled release occurs resulting in an emergency, the designated off-site emergency response organizations shall be contacted. Refer to the Emergency Response Contact (Phone) List in Appendix F.

Resource Allocation

The Plant Manager has the authority to commit resources and funds for any spill remediation activity. He may delegate duties to other employees to expedite spill containment, clean-up, and disposal. In the event of a major spill or release, the Plant Manager will be in charge of the handling and cleanup of the toxic material. This resource would either be from the licensed spill cleanup company or a government agency (i.e., Ammonia supplier or other chemical supplier, Fire Department, or commercial response organization). The Plant Manager, or a designee, would remain in charge of the overall plant operation and coordination of spill response activities.

Emergency Response Training

Training shall be based on the duties and functions to be performed by each employee. Documentation of such training, including program agendas (with a copy of any outlines, overheads or handouts) and training rosters shall be maintained.

Facility response personnel are given instruction in emergency procedures related to a release of a hazardous substance or any hazardous chemical. Topics of instruction include emergency equipment (proper use, inspection and maintenance procedures), emergency systems (such as alarms/communications, key cut off systems for automatic feed systems), response procedures for fires,

explosions, and spills (including spills to groundwater), and the organizational responsibilities of response personnel under the National Incident Management System.

First Responder Awareness Level

First responders at the awareness level are individuals who are likely to witness or discover a hazardous substance release and who have been trained to initiate an emergency response sequence by notifying the proper authorities of the release. They will take no further action beyond notifying the authorities of the release. First responders at the awareness level shall have sufficient training or have had sufficient experience to objectively demonstrate competency in the following areas:

1. An understanding of what a hazardous substances are, and the risks associated with them in an incident

2. An understanding of the potential outcomes associated with an emergency created when hazardous substances are present

3. The ability to recognize the presence of hazardous substances in an emergency

4. An understanding of the role of the first responder awareness individual in the employer emergency response plan, including site security and control, and the DOT Emergency Response Guidebook

5. The ability to realize the need for additional resources, and to make the appropriate notifications to the communications center

First Responder Operations Level

First responders at the operations level are individuals who respond to releases or potential releases of hazardous substances as part of the initial response to the site for the purpose of protecting nearby persons, property, or the environment from the effects of the release. They are trained to respond in a defensive fashion without actually trying to stop the release. Their function is to contain the spill from a safe distance, keep it from spreading, and prevent exposures. First responders at the operational level shall have received at least eight hours of training or have had sufficient experience to objectively demonstrate competency in the following areas in addition to those listed for the awareness level:

1. Knowledge of the basic hazard and risk assessment techniques

2. Knowledge of how to select and use proper PPE provided to the first responder operational level

3. An understanding of basic hazardous materials terms

4. Knowledge of how to perform basic control, containment and/or confinement within the capabilities of the resources and PPE available within their unit

5. Knowledge of how to implement basic decontamination procedures

6. An understanding of the relevant standard operating and termination procedures

Spill Response

Upon observation of a release of a hazardous material, chemical, or oil, employees shall immediately notify the Plant Manager with information concerning the spill, such as:

1. Employee name

2. Location of spill

3. Type and quantity of material spilled

4. Actions and result of actions taken to mitigate the spill

5. Circumstances that caused the spill

The Plant Manager, or his designee, will notify the necessary organizations and governmental agencies listed on the Emergency Contact (Phone) List in Appendix F. If necessary, the Plant Manager, or a designee, may contact outside Hazardous Materials Emergency Response organizations, and/or hazardous waste clean-up contractors to assist in the remediation of the spill.

The Plant Manager, or a designee, will also notify NAES management and the Owner Representative of all spills regardless of quantity and type as soon as practical.

The Plant Manager or his designee will provide the following information in the agency notification:

1. The facility name, exact location, and phone number

2. The source and cause of the spill

3. The type (chemical name), volume of material released, and whether the material is classified as extremely hazardous

4. The volume estimated that reached navigable waters

5. The time, date, and duration of the spill

6. The medium of release (air, soil, water) and anticipated release movement

7. The action taken and anticipated
8. State whether evacuation is needed
9. The weather conditions, if applicable
10. Known health risks and required medical attention
11. Names of other parties contacted
12. Names of other parties to be contacted

Keep notifications factual and do not speculate. Keep a record of all notifications made including all instructions given by parties contacted using the Emergency Response Call Record Form shown on Appendix E

All inquiries from the media and the public should be referred to the Plant Manager, or his designee. Under no circumstances shall any plant personnel provide information to media or the general public concerning the spill. The Plant Manager will refer all inquiries to the Owner Representative.

For plants with fuel oil: Per 40 CFR 112.4, in the event that a discharge of 1,000 gallons of oil escapes the containment systems and enters into the navigable waters of the United States in a single spill event or a discharge of harmful quantities in two spill events within any twelve month period occurs, the Plant Manager will submit notification in writing to the EPA Regional Administrator:

NOTE

The following information is required in the above notification. An asterisk (*) denotes information included in the SPCC plan.

1. A complete copy of the SPCC plan
2. Name, phone number, and address of the facility (*)
3. Owner and operator name and address (*)
4. Date and year of initial facility operation (*)
5. Maximum storage capacity and average daily use (*)
6. Description of the facility (*)
7. Quantity and type of material spilled
8. Cause(s) of the spill(s)
9. Corrective actions

10. Additional preventative measures

11. Other pertinent information

The plant staff shall investigate each incident that resulted in, or could reasonably have resulted in, a release of hazardous materials. An incident investigation shall be initiated as promptly as possible, but not later than 24 hours following the incident.

Managerial Responsibilities

Managerial responsibilities following a Hazmat release include determining the origin of the incident, investigating the effectiveness of this procedure, and evaluating the potential need for modifications to this procedure and plant personal response. NAES will be responsible for the implementation and communication of any changes to this procedure following an accidental release of aqueous ammonia. A summary shall be prepared at the conclusion of the investigation that includes at a minimum:

1. Date of incident and investigation

2. A description of the incident

3. The factors that contributed to the incident

4. Any recommendations resulting from the investigation

The managers of the facility will promptly address and resolve the investigation findings and recommendations. Resolutions and corrective actions shall be documented. The findings shall be reviewed with all affected personnel whose job tasks are affected by the findings. Investigation summaries shall be retained for five years in the plant environmental files.

Spill Clean-up and Disposal Procedure

Cleanup will be conducted to coordinate collection for isolation and disposal of contaminated products and materials, as appropriate. The categories listed below will be isolated and secured independently. These steps are necessary to reduce costs associated with clean up and disposal of contaminated materials.

1. Recovered pure product for possible refining and reuse

2. Contaminated PPE for separate disposal

3. Oiled debris for separate disposal, i.e., wood products, beauty bark, etc.

4. Contaminated soils for possible incineration or separate disposal

5. Absorbent materials for incineration

All residuals (recovered chemicals, contaminated clean up materials, and contaminated soil) resulting from spill remediation will be placed in containers that have been inspected for use as such.

Disposal of spilled material will meet all Federal and State regulations guiding the disposal of waste. Hazardous waste manifests will accompany containers of spill residues if the residue is determined by definitions of hazardous regulations to be hazardous. All required labeling and recordkeeping requirements will be followed.

Consult the applicable Material Safety Data Sheet for the substance to determine the appropriate cleanup procedures. Ensure all plant and contractor personnel assisting with the clean-up are aware of clean-up instructions and hazards listed on the MSDS.

Refer to the facility Environmental instructions for further guidelines on the disposal of hazardous materials. Additionally, contact NAES headquarters and or the NAES Environmental Support Services (ESS) Division for assistance, if needed.

5. FIRE RESPONSE PROCEDURE

A. In the event of any fire, immediately report the fire to the Control Room Operator (CRO) via plant radio, cell phone, or other means. The report to the CRO shall include the following:

1. Your name
2. Nature of event – "Fire"
3. Location of the fire
4. Severity of the fire
5. Your planned action (e.g., evacuate or use fire extinguisher)

B. Incipient stage fire means a fire which is in the initial or beginning stage and which can be controlled or extinguished by one person with one portable fire extinguisher. If the fire is in the incipient stage and you have been properly trained, respond using the appropriate fire response equipment.

NOTE
If the fire progresses into a life-threatening event, immediately evacuate the area and notify the Control Room.

C. In the event that the fire is beyond the incipient stage and requires outside emergency response the CRO will contact 911 and sound the plant evacuation alarm.

D. To facilitate a quick response, the plant will designate a liaison to meet the Fire Response Service at the main entrance gate.

E. The areas on-site that have been designated as "muster areas" are listed and locations identified in Appendix A

F. Upon hearing the fire evacuation alarm, all personnel shall evacuate to their primary evacuation area.

G. If necessary, a secondary evacuation area will be determined based upon site conditions and wind direction (as determined by the wind sock).

H. The Visitor Log Book from the Administration Building should be utilized to aid in accounting for all personnel.

I. Fire Evacuation Drills shall be conducted annually. At a minimum, the plant evacuation alarm shall be tested monthly. A written record of all drills shall be maintained. Any deficiencies observed shall be corrected.

6. CHEMICAL RELEASE/SPILL PROCEDURE

A. In the event of a chemical spill or release, immediately report it to the CRO via plant radio, cell phone, or other means. The report to the CRO shall include the following:

1. Your name
2. Nature of event – "chemical spill/release"
3. Location of the spill/release
4. Chemical identity and severity of the spill/release (estimate quantity)
5. Your planned action (ex. – evacuate or close remote valve)

B. Depending on the chemical and quantity involved, refer to section 4.B for steps necessary to respond to the spill.

7. MEDICAL EMERGENCIES

A. All injuries must be reported to your supervisor, no matter how small. First Aid/CPR trained personnel will be called to respond to minor first aid injuries.

B. If someone is seriously hurt, notify the CRO of the location of the injured person, nature of the injury, and any other important information related to the incident scene (ex. down power line next to injured person, chemical drum spill, etc.).

C. The CRO will contact 911 to alert emergency crews. An individual will be designated to meet emergency crews at the main entrance gate.

D. The CRO will make an announcement for all available First Aid/CPR trained personnel to report to the incident site. The First Aid/CPR trained personnel will administer first aid and any other measures within their training until the emergency crews arrive at the scene.

E. If the situation warrants the rescue of an unconscious or immobile person from a confined space or an elevated surface, or in a personal fall arrest system the CRO will be instructed to dial 911 and shall explain to emergency personnel the type, location, and hazards of the area.

8. EARTHQUAKES, TORNADOS, AND SEVERE STORM EMERGENCIES

A. EARTHQUAKES

1. TAKE cover under a desk or strong table or in a doorway, or sit or stand against an inside wall.

2. STAY away from windows, glass, bookcases, and outside doors.

3. DO NOT ATTEMPT to leave the building during a severe earthquake because of the hazards of downed power lines, falling debris from the building, etc.

4. MOVE away from buildings and utility wires.

5. WATCH for falling glass, electrical wires, poles or other debris.

6. CHECK for injuries and provide first aid as necessary.

7. CHECK for broken fuel lines and electrical faults. Isolate ruptures and faults as necessary.

8. CHECK for ruptures in systems containing hazardous chemicals. Isolate and contain spills.

9. PLACE the plant in a safe condition by shutting down equipment as necessary.

10. AVOID using the telephone except for emergency notification.

B. TORNADOS AND SEVERE STORMS

In the event of impending severe weather, plant personnel will monitor the local emergency weather broadcast. The Plant Manager shall be notified and will try to be on-site to determine appropriate action. If the Plant Manager cannot be contacted, the CRO shall determine the appropriate action.

During severe thunderstorms, caution should be used during outside activities. If thunderstorms are in the immediate area of the plant, outside activities should be

curtailed. The safety of plant personnel shall be the prime concern and reasonable judgment shall be used.

The best protection in a tornado is usually an underground area. The best above ground areas in a building are:

1. Small interior rooms on the lowest floor without windows

2. Hallways on lowest floor away from outside doors and windows

3. Rooms constructed of reinforced concrete, brick or block with no windows and a heavy concrete floor or roof system.

4. Employees should be instructed to seek shelter areas as near as possible to inside walls, away from window areas. The CRO will make an announcement, and ensure that all personnel have been warned of the outside conditions and to seek shelter inside in a safe location.

5. Get as close to the floor as possible and against sturdy machinery that will prevent portions of the roof, etc. from striking directly should they fall.

6. Do not evacuate the building until dangerous wind levels have subsided. An automobile is not a safe place to be in these circumstances.

7. If outside, seek safety in a low-lying depression such as a ditch or ravine.

8. An announcement shall be made indicating when the tornado or severe storm has passed.

9. An investigative team shall be designated to inspect all outside plant areas looking for damages, down power lines, and other potentially dangerous conditions.

9. BOMB THREATS AND ACTS OF SABOTAGE

A. RECOGNITION

Understanding when an act of Sabotage is taking place or is about to take place is the first step towards preventing the subsequent injury and damage that the event can ultimately result in. A variety of tools are available to each NAES-managed facility meant to be used in conjunction with the Emergency Response Plan for any actual or potential Acts of Sabotage. These tools are available as Appendices to this procedure and are described below:

1. Appendix B – Bomb Threat Checklist contains a checklist to be used when a bomb threat is received over the phone. This will help the receiver of the call obtain as much information as possible to help find the source.

2. Appendix C – Suspected Bomb/Sabotage Device Safety Precautions contains a list of precautions to be taken around unidentified packages, bombs, and suspected Sabotage devices.

3. Appendix I - Actions for Suspected Sabotage Events contains a list and description of potential Sabotage events as well as immediate actions to be taken in case of those types of events.

The Plant Manager and all plant personnel and visitors shall maintain and enforce a strict site security policy to try and avoid any potential Sabotage events.

B. RESPONSE

Although many threats turn out to be hoaxes, it is very important to not dismiss the possibility of injury and damage and treat every situation seriously. When a bomb threat or discovery of a suspected Sabotage event is discovered, remember to not panic, remain calm, and follow the steps below:

1. For any abnormal events that could potentially be acts of Sabotage, refer to Appendix I – Actions for Suspected Sabotage Events.

2. When a call is received regarding a bomb threat or other act of Sabotage, refer to Appendix B – Bomb Threat Checklist while keeping the following items in mind:

   a. Engage the caller in as much conversation as possible and complete the checklist as the call progresses. If you are at a phone with caller ID, note the phone number of the caller.

   b. Keep the caller on the line as long as possible. Ask the caller to repeat the message even if you fully understood the message the first time. This will stall or cause a delay and allow the operator more time to react properly and involve the necessary personnel.

   c. If the caller does not give a location of the device, Sabotage method, or a time for the event, attempt to attain this information.

   d. Inform the caller that the building is occupied and that such an event (explosion or equipment destruction) would result in serious injury or death to innocent people.

   e. Be aware of the caller's voice and any background noises that may assist in identifying the location of the call. Record your findings on the checklist.

   f. Attempt to have the caller speak to a designated member of management.

   g. Do not hang up until the conversation ends and the caller hangs up.

3. Maintain security and communications. The Plant Manager (or designee) shall maintain plant security by restricting access so that only essential plant personnel and emergency personnel are admitted. The telephones should be manned if there are enough people on-site. Two-way radio communication should be kept free to be used as needed. In no case shall members of the press be admitted without the approval of the Owner Representative. The Owner Representative or his designee will handle all public relations, press releases, and outside inquiries.

4. Quickly search the plant area for suspicious, unusual, or foreign items (suspected bombs/Sabotage devices), and report any findings, but do not touch, move, jar, disturb, or cover any suspicious items found. Observe the precautions listed in Appendix C. When police arrive, assist as necessary with a more detailed search of the plant.

5. If a suspicious item or bomb is located during the search, do the following:

   a. Isolate and DO NOT TOUCH OR DISTURB the item.

   b. Make notes of the location, appearance, colors, wires, etc.

   c. Contact the civil authorities and management in person.

   d. Do not use two-way radios or intercoms.

NOTE

At any time during these actions, the Plant Manager or on shift CRO can order the shutdown of equipment and evacuation if, in his judgment, there are strong indications of an immediate serious threat to the plant and/or its personnel.

6. If the plant is evacuated at any point, do not return until after the police have declared the site safe.

7. Upon completion of the threat, the management team shall assemble to critique the handling of the situation. Any recommendations for improvement must be incorporated into the policy and re-training conducted with the necessary personnel.

C. COMMUNICATION

1. Report the event to the police as soon as possible. Provide the police with the following information:

   a. Your name

   b. Your location and phone number

c. A detailed account of the event

d. If the event is a threat received (via phone or other method), report the following:

(1) Name of the initial recipient

(2) Name of any employee threatened by the caller

(3) Normal work location of any threatened employee

(4) Time the bomb is supposed to explode/Sabotage event is to occur

(5) Exact location of the bomb or Sabotage device

(6) Outside appearance or description of the bomb or device

2. Ensure that plant operating personnel are aware of the sabotage event on your facility and any sabotage event that would affect larger portions of the Interconnection.

3. When the police arrive at the site, the Plant Manager (or designee) shall brief the police as to:

a. Location of any emergency control valves or switches,

b. Plant overall security status, and

c. Any other information regarding the nature of the threat or event.

NOTE

Have all written records or notes of the threat available.

4. Appropriate assistance should be requested from the police including site protection and personnel protection during an evacuation.

5. As soon as the threat has been at least tentatively identified and controlled, notify the Plant Manager, the Owners Representative, and the NAES Headquarters Project Manager. Applicable telephone numbers are listed below for quick access. Additional contact information is provided in Appendix F and should be utilized as necessary based on the circumstances of the event.

TABLE 1. Emergency Organizational Telephone Numbers for Threat Control

Name	Title	Home Telephone Number	Fax Number
John Smeltzer	Plant Manager	573-355-8308	661-762-6041
Ken Gestel	NAES Operational Director	856-364-0558	
Frank Schneider	Owners Representative	703-431-1007	

D. REPORTING

It is essential that any incident involving a real or suspected threat of Sabotage be reported as soon as reasonably possible.

Distribution of this information should be initiated by the immediate submission of an Electrical Emergency Incident and Disturbance Report (Form OE-417) to the US Department of Energy according to the OE-417 Form instructions (http://www.oe.netl.doe.gov/oe417.aspx). The Form OE-417 consists of an Alert Notice (Schedule 1) and a Narrative Description (Schedule 2) which must be submitted within the time frames described below (and as specified in the top portion of the Alert Notice).

NOTE:

NAES NERC procedure RCP-EOP-004-ATT-A contains reporting guidelines for reporting damage or destruction of the Facility that results from actual or suspected intentional human action, as well as any physical threats to the Facility excluding weather or natural disaster related threats, which has the potential to degrade the normal operation of the Facility. Please refer to RCP-NERC-EOP-004-ATT-A for NERC Event Reporting guidelines for these instances.

10. TRAINING

A. All plant employees shall receive training on emergency response procedures on an annual basis.

B. All newly hired employees shall receive this training during orientation.

C. Contract employees must receive this training as integrated into the contractor orientation and training.

NOTE

In addition to the training, the appropriate number of radios shall be determined and issued to the Contractor Supervisor/Foreman.

D. All plant employees training must include at a minimum the following:

1. Familiarization with this plan
2. Any Hazmat Training that may be applicable
3. The use of any firefighting equipment available
4. Any special items or needs that may rise

E. All contract employees training must include the following:

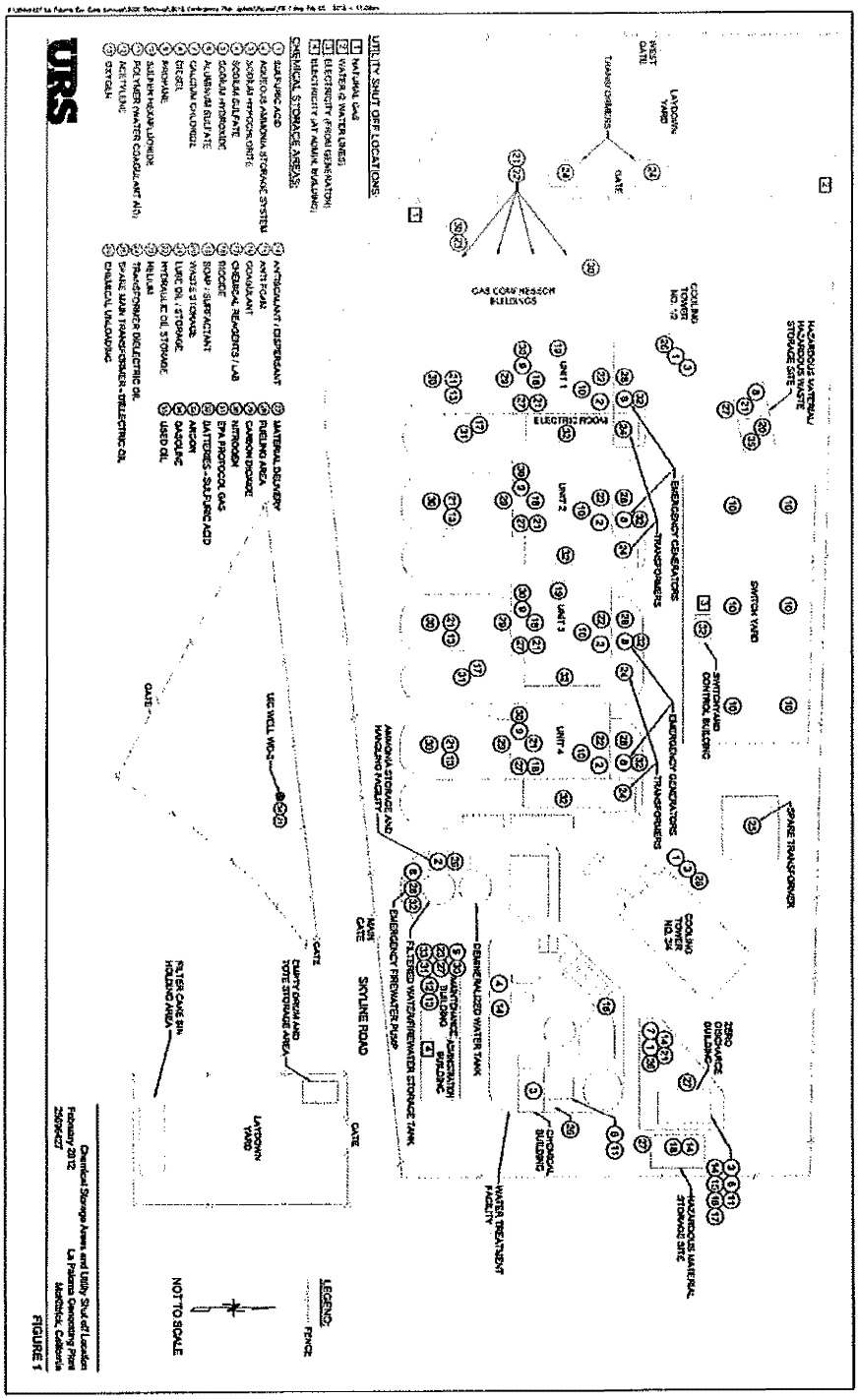
1. A general overview of this plan
2. Any special items or needs that may arise during the course of their stay on-site

F. A written record must be maintained of all plant employees and contract employees who have received the training.

APPENDIX A

Facility Evacuation Route Diagram

Site Plan



APPENDIX B

BOMB THREAT CHECKLIST

Instructions: Have someone else call police (911) and keep caller on the line. Listen; do not interrupt the caller except to ask:

1. When will it go off?_____
2. Where is it planted?_____
3. What floor is it on?_____
4. What kind of bomb is it?_____
5. What does it look like?_____
6. Why are you doing this?_____
7. Who are you?_____
8. Where are you?_____

Call received by:_____ Time of Call_____

Date_____ Time of Hang-up_____

Description of Caller: ☐ Male ☐ Female ☐ Adult ☐ Juvenile _____ App. Age

Voice Characteristics		Speech		Language	
☐ Loud	☐ Soft	☐ Fast	☐ Slow	☐ Excellent	☐ Good
☐ High Pitch	☐ Deep	☐ Distinct	☐ Distorted	☐ Fair	☐ Poor
☐ Pleasant	☐ Raspy	☐ Stutter	☐ Nasal	☐ Four	☐ Other
☐ Intoxicated		☐ Slurred	☐ Precise	Use of Certain Words or Phases:	
☐ Other		☐ Other			
Accent		**Manner**		**Background Noises**	
☐ Local	☐ Not Local	☐ Calm	☐ Angry	☐ Office	☐ Street
☐ Foreign	☐ Regional	☐ Rational	☐ Irrational	☐ Machines	☐ Traffic
☐ Race	☐ Other	☐ Coherent	☐ Incoherent	☐ Factory	☐ Airplanes
Explain:		☐ Deliberate	☐ Emotional	☐ Machines	☐ Trains
		☐ Righteous	☐ Laughing	☐ Bedlam	☐ Voices
				☐ Animals	☐ Music
		Is voice familiar? Sounds like		☐ Quiet	☐ Party
		_____		☐ Mixed	☐ Atmosphere

Action to take immediately after call:

1. Notify plant management.
2. Notify Owner's Representative.
3. Notify NAES Headquarters' Management.
4. Refer to RCP-NERC-EOP-004-ATT-A for NERC related reporting
5. Forward a copy of this to parties above ASAP.
6. Write exact statement or caller below:

_____

_____

APPENDIX C

Suspected Bomb/Sabotage Device Safety Precautions

The safety precautions below are designed to acquaint you with dangers inherent in the search, discovery, and handling of "suspected bombs" or "suspected Sabotage devices".

While some of the following safety precautions may seem elementary, do not dismiss them as unimportant nor take them for granted, because adequate knowledge of these precautionary provisions may save your life or the lives of other plant operators and visitors.

1. Do not touch a suspected object.
2. Do not shake, shock, or jar a suspected Bomb/Device.

WARNING

The presence of nearby equipment/storage tanks that could present secondary hazards in the event of explosion or other Sabotage event.

3. Do not use radio equipment near the Bomb/Device to transmit messages.
4. Do not move light switches.
5. Do not smoke.
6. Do not accept the contents of any container as bona fide, simply because it was delivered by routine means.
7. Do not accept container markings and/or appearance as sole evidence of their contents' identification and legitimacy.
8. Do not cover a suspected bomb/device.
9. Do not carry a suspected bomb/device.
10. Do not assume that a suspected bomb/device is of a specific (high explosive or incendiary) type.
11. Do not open any suspicious container or object.
12. Do not cut a string, cord, or wire on a suspicious container or object.
13. Do not cut or remove the wrapper on a suspicious object or container.
14. Do not unscrew the cover, move the latch or hook on the cover, or raise or remove the cover of a suspicious container.
15. Do not change the position of a suspicious container or object.
16. Do not place a suspicious container or object into water.

APPENDIX D

Emergency Response Event Log

Emergency Description:_____

_____

_____

Date and Time of Emergency:_____

Note: Log all events associated with the emergency chronologically. Keep logs factual and concise.

APPENDIX E

Emergency Response Call Record Form

Emergency Description:_____

_____

Date and Time of Emergency:_____

Time	Company/Agency Notified	Company/Agency Contact	NAES HQ Contact

Description of Correspondence:

Time	Company/Agency Notified	Company/Agency Contact	NAES HQ Contact

Description of Correspondence:

Time	Company/Agency Notified	Company/Agency Contact	NAES HQ Contact

Description of Correspondence:

APPENDIX F

Emergency Response Contact List

Contacts should be made in the following order whenever possible. However, if contact cannot be made after two attempts, move on to the next level.

Event	Contact Title	Phone 1	Phone 2	Comment
Sabotage/Bomb Threat/Event	Local Emergency Services	911		
	Plant Manager	661-762-6047 office	573-355-8308 cell	
Significant Injuries/Incidents	CPUC	(866) 924-9757		
	Transmission Dispatcher	707-449-6720		
	FBI	661-323-9665		

NOTE:

NERC RCP-EOP-004-ATT-A Table 2 – Plant Manager and Law Enforcement Contact Information is required to contain Local Law Enforcement contact information, Plant Manager contact information, and specific NERC reporting contacts. It is not necessary to maintain two separate contact lists if EOP-004-ATT-A is used by the facility.

APPENDIX I

Actions for Suspected Sabotage Events

All personnel should pay close attention to the events described in the table below. For all situations, perform the following actions along with the supplementary actions and then refer back to Section 9:

1. **Immediately contact the Plant Manager (or designee in his/her absence)**
2. **Ensure that all on duty personnel are alerted to the possibility of a sabotage event.**
3. **Document as many details about the situation as possible. Note times, events, and descriptions as applicable to the situation.**
4. **If appropriate, notify law enforcement and parties of the interconnection in accordance with Section 9C.**

Event	Event Definition	Supplementary Actions
Abnormal Behavior of Personnel	Persons with disgruntled, violent, or threatening behavior. Persons with a history of health or financial problems or any other reason that may cause odd behavior.	• Stay calm and don't aggravate the situation • If they are receptive, try to calm the person down. Explain that you wish to help.
Unfamiliar/Unescorted Visitors	Anyone who is on-site without permission and without an escort	• Provide escort to a secure area of the facility • Gather information as to the purpose of their visit
Unexplained Packages or Shipments	Any delivery with questionable labeling or from an unknown shipping company. Any package of suspicious origins that cannot be identified.	• DO NOT DISTURB THE OBJECT • Refer to Appendix C - Suspected Bomb/Sabotage Device Safety Precautions
Abandoned Vehicles	Vehicles on-site or near the facility that are not recognized and have no purpose being there	• Inquire as to the owner of the vehicle • Record a description of the vehicle and its license plate number
Abnormal Observations	Observation of any suspicious persons taking pictures and/or notes around the facility.	• Attempt to identify the person and their intent • Take note of identifying details about the person and their method of transportation.

Event	Event Definition	Supplementary Actions
Equipment Misuse/Abuse	Unauthorized changes to equipment that affect functionality or deliberate efforts to damage or destroy equipment.	• Coordinate with the Plant Manager and the Control Room to place the facility in a safe condition if the affected equipment cannot be isolated from the system. • Determine the extent of which the equipment was misused/abused
Attempted Intrusion (Physical)	A detected effort to gain unauthorized access of a person or a device through the physical perimeter but without obvious success.	• Inform all personnel of the event and conduct a search of the area for anything or anyone that appears to be suspicious. • Secure all sensitive plant areas through any available means
Attempted Intrusion (Cyber)	A detected effort to gain unauthorized ingress or egress through the electronic perimeter or into an electronic perimeter device but without obvious success.	• Record all activity that led you to determine the event was an attempted intrusion • Using an alternate means of communications (e.g. cell phone), contact appropriate entities listed on Appendix F – Emergency Response Contact List • For Critical Facilities, refer to facility CIP policies and procedures.
Cyber and/or Communication Disruptions	Failure, degradation of functionality, or unauthorized access or use of facilities used for the exchange of voice or data.	• Record details of any suspicious events that led up to the disruption • Using an alternate means of communications (e.g. cell phone), contact appropriate entities listed on Appendix F – Emergency Response Contact List • For Critical Facilities, refer to facility CIP policies and procedures.
Information Theft and/or Loss of Sensitive Plant Information	Unauthorized removal or loss of sensitive information.	• Record details about the theft including the last time you saw or used the data or documentation in question • Contact appropriate entities listed on Appendix F – Emergency Response Contact List • For Critical Facilities, refer to facility CIP policies and procedures.

Event	Event Definition	Supplementary Actions
Unauthorized Modification of Software or Data	Unauthorized addition or modification of software or data associated with the proper operation of cyber assets.	• Record details regarding the modification • Ensure any affected systems are in a safe condition and close the affected programs. • For Critical Facilities, refer to facility CIP policies and procedures.
Multiple breaker operations in your switchyard and adjacent Transmission Owners switchyard	Multi Site Sabotage	• Inform operating personnel • Have operating personnel inform others in the Interconnection. • Call FBI
Cyber systems for parties in the interconnection start showing equipment operation that has not physically occurred.	Multi Site Sabotage	• Inform operating personnel • Have operating personnel inform others in the Interconnection. • Call FBI

APPENDIX J

On-Site Hazardous Chemicals

Chemical Name, Description	Reportable Quantity (RQ)	Amount to Spill to reach RQ	Max. Stored Qty On-site
Aqueous Ammonia (10-30% solution)	1,000 lbs.	461 gallons	42,000 gallons
Diesel Fuel Oil (No. 2 grade)	1,000 gallons	1,000 gallons	1,080 gallons
Drew 6134 (Sodium Bisulfate)	5,000 lbs	1091 gallons	1,500 gallons
Drewclean 2038 (Formic Acid)	5,000 lbs	2675 gallons	1,000 gallons
Drewtrol 7000 (Sodium Hydroxide)	1,000 lbs	679 gallons	1,000 gallons
EDTA Acid (Ethylenediamine Tetraacetate)	5,000 lbs	1143 gallons	1,000 gallons
Sulfuric Acid (93% solution)	1,000 lbs	70 gallons	7,100 gallons
Sodium Hydroxide (50% solution)	1,000 lbs.	375 gallons	1,000 gallons
Sodium Hypochlorite	100 lbs	82 gallons	20,000 gallons
Versene 100 (Ethylenediamine Tetraacetate)	5,000 lbs	1236 gallons	250 gallons

Approved for use by:

TABLE OF CONTENTS

TABLES

None

APPENDICES

None

REFERENCES

Cal/OSHA Title 8 Section 3221 Fire Prevention Plans

SUB-SECTIONS

None

DOCUMENT REVISION HISTORY

Rev	Rev Date	Description of Changes / Comments
1	17 Aug 15	Adopted for plant use
2	8 Feb 18	Ownership change

1. PURPOSE

This procedure defines general fire protection requirements and rules in 29 CFR 1910.38 and Cal/OSHA Title 8 Section 3221 Fire Prevention Plan.

2. GENERAL REQUIREMENTS

A. Good housekeeping is essential to control accumulations of flammable and combustible waste materials and residues so that they do not contribute to a fire emergency at the plant. Prompt disposal of debris, prevention of accumulations of scrap, safe containment of used waste and wiping rags, prevention of oil from soaking into thermal insulation and other coverings are examples of effective steps in the elimination of fire potentials.

B. Proper containment of used waste and wiping rags includes the mandatory use of approved, covered safety cans for oil soaked rags and solvents.

C. All employees shall take normal fire control and prevention measures. After discharging a portable fire extinguisher for any reason, employees shall report it to their manager.

D. Employees shall avoid the use of matches and/or open flames and prevent electrical sparks in areas where a combustible gas may exist. When work is to be performed requiring the use of open flames, a Hot Work permit is required

E. Employees shall use care when locating heating devices, these devices shall be a minimum of 6 feet from combustible materials.

F. Employees shall only smoke in designated smoking areas.

G. All employees should become familiar with the location and proper use of fire protection equipment installed in their work area. The locations of all firefighting equipment, emergency eyewash and shower devices, and first aid stations are shown on Facility Evacuation and Safety Equipment diagrams. These diagrams are available in SMP-2 and are conspicuously posted throughout the plant.

3. RESPONSIBILITIES

A. PLANT MANAGER (DESIGNEE)

1. The scheduling and arranging of basic fire extinguisher use training, and for the training of each plant employee on the specific elements of this Fire Prevention Plan.

2. All maintenance of equipment and systems installed to prevent or control ignitions and fires. This includes the portable fire extinguishers and both wet and dry fire protection systems.

B. ALL EMPLOYEES

All employees need to identify potential fire hazards in their day-to-day activities. All hazards need to be documented and corrective action taken as soon as possible. All employees not specifically trained in the proper operation of any fire protection equipment shall immediately go to a secure area per the CRO instructions should a fire alarm sound.

4. FIRE PROTECTION RULES

The following rules apply and should be followed as applicable to fire protection equipment:

A. Any time a portion of a plant fire system is removed from service or its ability to extinguish a fire is reduced, an Impairment Procedure (see Section 5 below) must be developed, approved, and implemented to compensate for the reduction in plant Fire Protection capability.

B. Tampering with fixed or portable fire extinguishing systems or devices or any fire warning system in any manner that reduces their effectiveness is prohibited.

C. Access to fire protection devices shall not be blocked. Should interference with access be unavoidable, the device shall be temporarily or permanently relocated.

D. Fire hoses installed in hose stations or on fire hose racks shall not be used for any service except firefighting or fire protection.

E. Any confined and unventilated space that has been filled with CO_2 (or any other non-breathable gas, including nitrogen) must not be entered until sufficient ventilation has restored a safe oxygen content level to the area atmosphere. Oxygen content and toxic products of combustibility can be established by sampling methods. If ventilation is not possible and the area requires that personnel entry be made, a Self-Contained Breathing Apparatus or similar device must be used. Air samples must be taken in any area that has experienced a CO_2 system discharge to ensure the oxygen level is sufficient to sustain life.

F. Only carbon dioxide or dry chemical extinguishers shall be used on or around electrical equipment to avoid electrical shock.

G. Firefighting equipment must not be used for other than its intended purpose. When fire-fighting equipment is used, purposefully or accidentally, the user shall report it to their supervisor.

H. All extinguishers shall be inspected monthly and shall bear a tag showing maintenance and recharging date(s).

5. IMPAIRMENT PROCEDURE

The following rules apply any time a portion of the fire system is taken out of service.

A. The Plant Manager shall approve any maintenance or repair activities that require a part of the fire system to be taken out of the service. Steps shall be taken to ensure all operations and maintenance personnel are aware of the impairment to the firefighting capability of the plant. The system shall be returned to service as soon as possible.

B. No combustion turbine or similar critical plant equipment shall be operated without its fire protection system available unless specified by an approved owner procedure.

C. In the event that normal fire protection is not available, an equivalent protection system shall be put in place, such as fire watch, extra fire extinguishers, and secondary water supply such as water truck. The local fire department shall be notified of the reduced firefighting capability at the site. The plant insurance carrier should also be notified.

D. Adequate measures shall be taken during the impairment to ensure that increased risks are minimized, such as no non-emergency hot work allowed, use of gas powered heating devices, etc. and the duration of the impairment is limited.

E. When necessary, the Plant Manager shall assign an Impairment Coordinator to ensure compliance with the impairment procedure and with the requirements of the applicable NFPA and OSHA regulations. In the absence of a specific designee, the Plant Manager shall be considered the Impairment Coordinator.

F. Out of Service tags shall be used to indicate that a system, or part thereof, has been removed from service. The tag shall be posted at each fire department connection and system control valve indicating which system, or part thereof, has been removed from service.

G. Impaired equipment is defined as all or any part of a fire protection system that is not meeting normal availability requirements. Equipment with the potential of being impaired includes, but is not limited to, the following:

1. Sprinkler systems
2. Fire hose systems
3. Underground fire service mains
4. Fire pumps
5. Water storage tanks

6. Water spray fixed systems

7. Fire service control valves

8. Fire detection systems

9. Fixed Fire Protection System

H. The Plant Manager shall authorize all pre-planned Impairments. Before authorization is given, a designated Impairment Coordinator shall be responsible for verifying that the following procedures have been implemented:

1. The extent and expected duration of the impairment has been determined

2. The areas or buildings involved have been inspected and the increased risks determined

3. Recommendations have been submitted to the Plant Manager by the Impairment Coordinator

4. Where a required fire protection system is out of service, the Impairment Coordinator shall arrange for any of the following steps that are deemed necessary

   a. Removal of personnel or limiting access to the building or portion of the building affected by the system out of service

   b. Assigning a fire watch

   c. Establishment of a temporary water supply

   d. Establishment and implementation of an approved program to eliminate potential ignition sources and limit the amount of fuel available to the fire

   e. Appropriate "Out Of Service" tags posted and/or

   f. All necessary tools and materials are staged and ready

I. The Plant Manager or his designee shall develop a Fire Impairment Notification list that should include the following notifications:

1. Notify by email the NAES Plant Project and Project Safety Manager when a fire impairment is in effect beyond the end of the shift

2. Identify who and when to notify the appropriate Owner/Owner's Representatives

3. Identify who and when to notify the appropriate State and Local Fire Services.

4. Identify who and when to notify the appropriate Insurance Carrier

5. Identify notification of plant personnel and method for continued notification when the fire impairment is effective beyond a shift.

J. Emergency impairments include, but are not limited to, system leakage, interruption of water supply, frozen piping, ruptured piping, and equipment failure.

K. When all impaired equipment is restored to normal working order, the impairment coordinator shall verify that the following has been implemented:

1. Any necessary inspections and tests have been conducted to verify that effected systems are operational. Consult NFPA 25 for guidance on the types of inspection and tests required

2. Managers have been advised that protection is restored

3. The fire department has been advised that protection is restored

4. The Plant Manager, insurance carrier, and other authorities having jurisdiction have been advised that protection is restored

5. Applicable "Out Of Service" tags are removed

L. A trained fire watch shall periodically patrol the affected areas. During the patrol of the area, the fire watch shall ensure that the other fire protection features of the building, such as egress routes and alarm systems, are available and functioning properly.

6. TRAINING

A. Upon initial hire, all employees will be trained on the plant fire protection plans. This training will cover all aspects of this chapter, other fire protection plans for the plant, location of all fire protection equipment, and proper emergency response procedures.

B. Training will be provided to all employees on the use of portable fire extinguishers, upon initial hire and annually thereafter.

C. Appropriate training shall be provided to plant employees who inspect, maintain, or repair fixed extinguishing systems.

7. SITE SPECIFIC INSPECTIONS AND MAINTENANCE

A. The fire protection system shall be inspected following preventive maintenance items scheduled in the plant CMMS.

B. The plant shall set up an inspection program to include all fire prevention equipment, fire extinguishers, monitors, Fire alarms, smoke detectors, etc.

C. The plant shall perform these inspections as scheduled and document.

La Paloma Generating Plant	SAFETY MANUAL		
Number: **SMP-8**	Subject: **Hazard Communication Program**		
Approved for use by:	Current Issue: **Rev 2**	Issue Date: **25 Jun 10**	Last Review Date: **8 Feb 2018**
Page 1 of 10	**Prepared by NAES Corporation**		

TABLE OF CONTENTS

TABLES

None

APPENDICES

Appendix A Hazard Communication Standard Pictograms

REFERENCES

None

SUB-SECTIONS

None

DOCUMENT REVISION HISTORY

Rev	Rev Date	Description of Changes / Comments
0	25 Jun 10	Issued for Plant Use
1	05 Dec 13	Incorporate Globally Harmonized System of Classification and Labeling of Chemicals (GHS
2	02 Feb 18	Change in ownership

1. PURPOSE

The purpose of this procedure is to define requirements for hazardous material storage, handling, discharge prevention, mitigation, and reporting as required by the OSHA Hazard Communication Standard (29 CFR 1910.1200) alignment with the Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

2. DISCUSSION

To help reduce the incidence of chemical source illness and injuries, the Occupational Safety and Health Administration (OSHA) has issued a Hazard Communication Standard (HCS) which is contained in the Code of Federal Regulations (29 CFR 1910.1200). The basic goal of the standard is to be sure employers and employees are informed about the hazards of all chemicals used in the workplace and how they can protect themselves.

3. RESPONSIBILITIES

A. The Plant Manager or designee is responsible for implementation of the program.

B. The plant team shall perform various Coordinator functions as directed by the Plant Manager or designee. These delegated functions will include one or more of the following Job Titles used throughout this Safety Manual:

1. Safety Coordinator
2. Hazard Communications Coordinator
3. Contract Coordinator
4. Emergency Coordinator
5. Evacuation Coordinator

C. The Hazard Communications Coordinator will have overall responsibility for coordination of the Hazard Communication Program. These include the written program, chemical information list, Material Safety Data Sheet and/or Safety Data Sheet (M/SDS) availability, labeling, employee information, and training.

D. The Contract Coordinator is responsible for obtaining information from the contractor regarding the use of any hazardous materials that they may be using at the facility. They are also responsible for providing information to the contractor regarding any hazardous materials they may be exposed to while working at the facility.

E. Employees and Contractors will be expected to follow proper material handling procedures and use any required personal protective equipment appropriately.

They shall read and follow labeling and warning instructions and they shall immediately report any non-compliance situations to their Supervisor.

4. CHEMICAL INVENTORY

The Coordinator will compile a list of all hazardous chemicals that are used at the worksite. This Chemical Inventory List will be updated as necessary.

5. LABELING

A. It is the policy of NAES to ensure that each container of hazardous chemicals on a jobsite is properly labeled. The labels will list:

1. The contents of the container

2. Appropriate hazard warnings

3. The name and address of the manufacturer, importer, or other responsible party

4. As chemical manufacturers become aligned with the GHS Classification and Labeling system, hazardous chemicals on the job site may also include:

a. Pictogram: a symbol plus other graphic elements, such as a border, background pattern, or color that is intended to convey specific information about the hazards of a chemical. Each pictogram consists of a different symbol on a white background within a red square frame set on a point (i.e. a red diamond). There are nine pictograms under the GHS. However, only eight pictograms are required under the HCS. Pictograms are illustrated in Appendix A.

b. Signal words: a single word used to indicate the relative level of severity of hazard and alert the reader to a potential hazard on the label. The signal words used are "danger" and "warning." "Danger" is used for the more severe hazards, while "warning" is used for less severe hazards.

c. Hazard Statement: a statement assigned to a hazard class and category that describes the nature of the hazard(s) of a chemical, including, where appropriate, the degree of hazard.

d. Precautionary Statement: a phrase that describes recommended measures to be taken to minimize or prevent adverse effects resulting from exposure to a hazardous chemical or improper storage or handling of a hazardous chemical.

A. To further ensure that employees are aware of the chemical hazards of materials used in their work areas, it is a NAES policy to label all secondary containers. Secondary containers will be labeled with the container contents and appropriate hazard warnings.

B. The National Fire Protection Association (NFPA) label standard will be the method used to show the hazardous properties of a substance. Labels will be displayed in prominent areas. Signs and placards may be used in lieu of labels on permanent stationary containers.

C. The NFPA Hazard Identification System identifies the hazards of materials in terms of three principal categories:

1. Health (Blue)

2. Flammability (Red)

3. Reactivity (Yellow)

4. Special Properties/Other Information (White)

D. The NFPA Hazard Identification System indicates the degree of severity by a numerical rating. The values of the rating range from four (4), indicating a severe hazard, to zero (0), indicating no hazard.

E. Plant management may decide to provide additional labeling consistent with information provided on the M/SDS to establish a uniform hazard recognition system throughout its facilities.

F. Any existing or affixed labels, which do not remain legible for the useful life of the container, must be replaced. The purpose of labeling is to provide an immediate visual warning of the hazardous properties of a chemical substance.

6. MATERIAL SAFETY DATA SHEETS AND SAFETY DATA SHEETS (M/SDS)

An M/SDS form provides summarized information about a particular chemical, chemical containing product, or mixture. The information relates the identity, physical properties, toxic, and hazard potential of a substance and describes precautions and safe work practices.

Copies of the M/SDS for all hazardous chemicals to which employees may be exposed are kept at the facility and are readily accessible to employees in the work area.

NOTE

M/SDS forms for hazardous substances must be retained in the "inactive" set for 30 years beyond the date the substance was removed from the site (29 CFR 1910.1020).

There shall be at least one complete set of "active" M/SDS forms maintained in appropriately marked binders; commonly located in the Control Room. Wherever possible, a M/SDS will be affixed to its container in a waterproof document holder.

A. Each Material Safety Data Sheet (pre June 1, 2015) must contain the following information to conform to OSHA regulations:

1. Chemical Identification
2. Hazardous Ingredients
3. Physical Data
4. Fire and Explosion Data
5. Health Hazard Data
6. Reactivity Data
7. Spill or Leak Procedures
8. Special Protection Information
9. Special Precautions

B. Each Safety Data Sheet (post June 1, 2015) must contain the following information to conform to OSHA regulations and GHS Classification:

1. Identification
2. Hazard(s) identification
3. Composition/information on ingredients
4. First-Aid measures
5. Fire-fighting measures
6. Accidental release measures
7. Handling and storage
8. Exposure controls/personal protection
9. Physical and chemical properties
10. Stability and reactivity
11. Toxicological information
12. Ecological information *
13. Disposal considerations *

14. Transport information *

15. Regulatory information *

16. Other information, including date of preparation or last revision

A. * OSHA will not be enforcing information requirements in sections 12 through 15, as these areas are not under its jurisdiction.

B. M/SDS shall be received at the site before the product is used or they shall be received at the time of initial use. The Plant shall establish a system that prevents the purchase of materials that would require an M/SDS without the approval of a designated individual.

C. If a M/SDS is not available for a product appearing on the Chemical Inventory, the Coordinator will make a formal request to the manufacturer distributor.

7. TRADE SECRET PROTECTED SUBSTANCES

OSHA regulations provide that a chemical manufacturer may withhold the specific chemical identity of a product if a trade secret claim for the product was made and supported.

When a physician or nurse determines that a medical emergency exists, the specific chemical identified is a hazardous substance, and the product information is needed for emergency or first aid treatment, then the manufacturer must immediately disclose the specific chemical identity to the physician or nurse, regardless of the existence of a confidentiality agreement.

8. CONTRACTORS

All contractors will be required to provide a M/SDS for all materials they propose to use while working around NAES employees. The contractor is required to assure all materials are adequately labeled upon their arrival at the site and throughout product use. The contractor is responsible for the proper use, storage and disposal of all materials brought on site.

Contractors and their employees may require information concerning the NAES Hazardous Communications Program and potential hazards that they may be exposed to while providing their services.

9. TRAINING

Each employee will receive information and training at the time of initial assignment, whenever a new hazard is introduced and annually thereafter. Normally, this training will be presented in a lecture/discussion format and videotapes may be used to augment the presentation when available. (29 CFR 1910.1200 (h)(1))

The information discussion topics must include the following (29 CFR 1910.1200(h)(2)(i-iii):

A. The hazard communication standard and associated requirements:

1. The hazard communication standard and the requirements of the standard

2. The components of the hazard communication program in the employees' workplace

3. Operations in work areas where hazardous chemicals are present

4. Where the employer will keep the written hazard evaluation procedures, communications program, lists of hazardous chemicals, and the required MSDS forms

B. The training plan must consist of the following elements (29 CFR 1910.1200(h)(3)(i-iv):

1. How the hazard communication program is implemented in that workplace, how to read and interpret information on labels and the MSDS, and how employees can obtain and use the available hazard information

2. The hazards of the chemicals in the work area. (The hazards may be discussed by individual chemical or by hazard categories such as flammability)

3. How to interpret and use the labels on the containers of hazardous materials.

   a. Pictogram meaning.

   b. Signal word relative level of severity of hazard.

   c. Recognize hazard statement that describes nature of hazard.

   d. Recognize precautionary statement to minimize or prevent adverse effects.

4. Measures employees can take to protect themselves from the hazards.

5. Specific procedures put into effect by the employer to provide protection such as engineering controls, work practices, and the use of personal protective equipment (PPE)

6. Methods and observations such as visual appearance or smell - workers can use to detect the presence of a hazardous chemical to which they may be exposed

C. A record of each employee's information and training sessions will be documented and maintained in the plant personnel training records and documented on a Record of Training form.

Appendix A

Hazard Communication Standard Pictograms

Health Hazard  • Carcinogen • Mutagenicity • Reproductive Toxicity • Respiratory Sensitizer • Target Organ Toxicity • Aspiration Toxicity	**Flame**  • Flammables • Pyrophorics • Self-Heating • Emits Flammable Gas • Self-Reactives • Organic Peroxides	**Exclamation Mark**  • Irritant (skin and eye) • Skin Sensitizer • Acute Toxicity (harmful) • Narcotic Effects • Respiratory Tract Irritant • Hazardous to Ozone Layer (Non Mandatory)
Gas Cylinder  • Gases under Pressure	**Corrosion**  • Skin Corrosion/ burns • Eye Damage • Corrosive to Metals	**Exploding Bomb**  • Explosives • Self-Reactives • Organic Peroxides
Flame over Circle  • Oxidizers	**Environment (Non Mandatory)**  • Aquatic Toxicity	**Skull and Crossbones**  • Acute Toxicity (fatal or toxic)

ATTACHMENT F

HAZARDOUS MATERIALS USED IN REPORTABLE QUANTITIES

Hazardous materials used in reportable quantities (RQ) are listed as follows:

Chemical	RQ (lb)
Nitrogen Oxide	10
Sodium Hypochlorite	100
Ammonium Hydroxide	1,000
Sodium Hydroxide	1,000
Sulfuric Acid	1,000
Aluminum Sulfate	5,000
Sodium Bisulfite	5,000

ATTACHMENT G

2018 BIOLOGY - ANNUAL COMPLIANCE REPORT

La Paloma
Generating Plant
CXA La Paloma, LLC

POB175 (Mail)
1760 W. Skyline Road
(Deliveries)
McKittrick, CA 93251
661.762.6000
661.762.6041 Fax

January 24, 2019

Ms. Susan Jones
USFWS
2800 Cottage Way, W-2605
Sacramento, CA 95825

Mr. Larry Saslaw
Bureau of Land Management
3801 Pegasus Drive
Bakersfield, CA 93308-6837

Ms. Laura Peterson Diaz
CDFW Region 4
1234 East Shaw
Fresno, CA 93710

Subject: **La Paloma Generating Plant**
Designated Biologist's Annual Compliance Report: 2018
Federal File No. 98F0183
CEC Docket No. 98-AFC-2

Dear Ms. Jones, Ms. Diaz, and Mr. Saslaw:

Pursuant to BRMIMP Condition 6.3 enclosed is the Designated Biologist's 2018 Annual Compliance Report for the La Paloma Generating Plant. The report is based on quarterly or as-needed inspections and reports by the Designated Biologist (Adam Grimes) of Mesa Biological, LLC. This report is also submitted to the California Energy Commission as a component of the 2018 Annual Compliance Report.

If you have questions regarding the report, please contact Adam Grimes at 661.209.0027 or Paul Sumal at 661.762.6055.

Sincerely,

John Smeltzer
Plant Manager
La Paloma Generating Plant

cc: w/enclosure P. Sumal A. Grimes
w/o enclosure M. Dyas (CEC MS-2000)
pdf w/enclosure C. Tubridy F. Schneider

File No. 705.03.04

2018 ANNUAL COMPLIANCE REPORT FOR CXA LA PALOMA, LLC. KERN COUNTY, CA

Prepared for: CXA La Paloma, LLC.
1760 West Skyline Road
McKittrick, CA 93251

Date: January 13, 2019

Table of Contents

Annual Compliance Report: 2018

This annual compliance report is prepared to correspond to the performance of biological mitigation measures for the CXA La Paloma, LLC (CXALP) and its associated facilities to the California Energy Commission (CEC), the California Department of Fish and Wildlife (CDFW), the U.S. Bureau of Land Management (BLM), and the U.S. Fish and Wildlife Service (USFWS). Environmental compliance monitors have a responsibility to annually report to CDFW, BLM, and USFWS.

Information contained in this report includes the time CXALP activities occurred, a discussion of the implementation of the required mitigation measures, impacts of CXALP on sensitive species habitat and individual animals, a discussion of the effectiveness of mitigation measures, and recommendations.

I. Compliance Activities and Reporting

Compliance activities in 2018 included routine operation and maintenance of CXALP, and Underground Injection Control (UIC) Well Program activities.

Compliance activities are covered and required by the CEC (CEC 1999), the USFWS Biological Opinion (USFWS 1999), and the CDFW Section 2081(b) Permit (CDFW, formerly CDFG 1999). Reporting and Implementation requirements are discussed in the Biological Resources Mitigation Implementation and Monitoring Plan (BRMIMP) (Toyon 2005a). The BRMIMP was revised in 2005 to reflect the completion of construction activities and final habitat mitigation. Other mitigation measures address habitat compensation and reporting.

A. CXALP Compliance Activities

Worker environmental awareness training classes are conducted for new-hire staff and contract personnel and annually for all CXALP staff and returning contract personnel. MESA Biological conducted compliance activities at CXALP that included quarterly inspections of the entire plant site and UIC well area. The quarterly inspections were conducted on March 16, June 25, August 23, and December 5, 2018.

No sensitive species were identified or injured during the compliance activities.

B. Reporting
There was no reclamation related reporting in 2018. Reclamation and monitoring activities were completed for CXALP (Toyon 2004 and Toyon 2005b) prior to 2009.

The 2017 Designated Biologist's Annual Compliance Report was submitted in January 2018.

II. Impacts to Sensitive Species and Habitat
The mitigation measures implemented for the CXALP were successful at reducing and/or eliminating impacts to sensitive species and their associated habitats.

A. Impacts to Sensitive Plants
No impacts to sensitive plants in 2018 were reported at CXALP. Activities in 2018 did not result in disturbance to any occupied sensitive plant habitat and no sensitive plant species were impacted, including California jewelflower (*Caulanthus californicus*) and Kern mallow (*Eremalche kernensis*).

B. Impacts to Sensitive Wildlife Resources
Sign or direct observation of several bird species protected under the Migratory Bird Treaty Act (MBTA), including but not limited to red-tailed hawk (*Buteo jamaicensis*), white crowned sparrow (*Zonotrichia leucophrys*) and raven nests (*Corvus corax*), occurred during the 2018 reporting year. However, none of these species were or are expected in the future to be directly impacted by CXALP operations.

Other threatened or endangered species previously documented in the area of LPGP operations but not observed during 2018 include San Joaquin kit fox (*Vulpes macrotis mutica*), Tipton kangaroo rat (*Dipodomys nitratoides nitratoides*), giant kangaroo rat (*Dipodomys ingens*), blunt-nosed leopard lizard (Gambelia sila), and Buena Vista lake shrew (*Sorex ornatus relictus*). As these species were not observed during 2018, it is unlikely they were significantly affected by LPGP operations. Furthermore, even if they did occur on site

mitigation measures such as proper training of all personnel and avoidance of these species should prevent significant effects. There was no documented mortality or injury of listed species during 2018 from CXALP activities.

C. Impacts on Habitat
CXALP activities in 2018 did not result in disturbance to occupied sensitive wildlife habitat and no sensitive wildlife species were consequently impacted.

D. Impacts to Other Wildlife Resources
California ground squirrel (*Otospermophilus beecheyi*) was observed within the plant site during quarterly site inspections. Reptiles observed included western whiptail (*Aspidocelis tigris*) and side blotched lizard (*Uta stansburiana*). Bird species identified within the plant site included Northern mockingbird (Mimus Polyglottos), house finch (*Carpodacus mexicanu*s), rock pigeon *(Columba livia),* common raven *(Corvus corax),* European starling (*Sturnus vulgaris*), say's phoebe (*Sayornis saya*), mourning dove (*Zenaida macroura*), red-tailed hawk (*Buteo jamaicensis*) and white-crowned sparrow (*Zonotrichia leucophrys*). Several bird nests were observed throughout the site during the quarterly inspections. Staff was made aware of the nests, exclusions measures were implemented, and activities in the area were avoided until the young had fledged.

No other nesting activities were observed within the plant site during 2018.

III. Effectiveness of the Mitigation Measures, Problems, and Suggestions

Mitigation measures for CXALP as a whole fall into three major categories:

- measures to minimize and avoid take of sensitive species,
- a worker environmental education program, and
- compensation for unavoidable impacts.

A. Mitigation Measures
Effectiveness of the measures was discussed thoroughly in the 2002

Annual Report (Toyon 2003a) and that assessment is unchanged. The mitigation measures implemented for CXALP were adequate to reduce or eliminate the incidental take of sensitive species and the loss of habitat was minimized to the extent practical. Mitigation measures that were implemented were effective at protecting sensitive species or their resources.

1. Fencing at Power Plant Site

A chain-link fence, including a wildlife exclusion barrier installed along its base, has been erected at the power plant site. The wildlife exclusion barrier reaches 24 inches above ground and is buried to a depth of 18 inches. Vegetation has been adequately suppressed along the outside of the perimeter fence so that small animals cannot climb above the barrier and into the plant site; however, California ground squirrels continue to enter the site by climbing over the perimeter fencing. Maintenance of the fasteners, rivets, and tears on exclusion fencing is ongoing. Continued trapping and removal is likely to be the only way to control the population of California ground squirrels within the fenced power plant site.

B. Worker Environmental Awareness Training

A total of 342 CXALP personnel partook in Worker Environmental Awareness Training (WEAT) that covered environmental compliance requirements. All CXALP personnel received training and also received annual refresher training. There were no incident reports issued during 2018.

C. Compensation

CXALP compensation is considered in the Post-construction Disturbance Analysis (Toyon 2003b).

D. Recommendations

No changes are recommended to the mitigation measures that are being implemented. The mitigation measures appear to be sufficient to minimize and avoid take of sensitive species.

IV. References Cited

California Department of Fish and Wildlife (CDFW). 1999. Incidental Take Permit No. 2081-1999-028-4 La Paloma Generating Company, L.L.C. La Paloma Generating Project. Executed December 13,1999.

California Energy Commission (CEC). 1999. Commission Decision on the La Paloma Generating Project Application for Certification. Docket No. 98-AFC-2. 235 pp + 4 apps.

Toyon Environmental Consultants, Inc. 2005a. Biological Resource Mitigation and Implementation Monitoring Plan (BRMIMP): La Paloma Generating Plant. Unpubl. Report prepared for La Paloma Generating Co., LLC. 46 pp + app.

Toyon Environmental Consultants, Inc. 2005b. Assessment of Reclamation on Chevron Land: 2005. Unpublished draft report prepared for La Paloma Generating Company, LLC and submitted to California Energy Commission, Sacramento. 30 pp + app.

Toyon Environmental Consultants, Inc. 2005. La Paloma Generating Project biological compliance reporting: Annual Report 2004. Unpublished report prepared for La Paloma Generating Company, LLC and submitted to California Energy Commission, Sacramento; U.S. Bureau of Land Management, Bakersfield; U.S. Fish and Wildlife Service, Sacramento; and California Dept. of Fish and Game, Fresno. 6 pp.

Toyon Environmental Consultants, Inc. 2003. La Paloma Generating Project biological compliance monitoring: Annual Report 2002. Unpublished report prepared for La Paloma Generating Company, LLC and submitted to California Energy Commission, Sacramento; U.S. Bureau of Land Management, Bakersfield; U.S. Fish and Wildlife Service, Sacramento; and California Dept. of Fish and Game, Fresno. 10 pp.

Toyon Environmental Consultants, Inc. 2003. La Paloma Generating Project biology compliance reports: Post-construction Disturbance Analysis, June 2003. Unpublished report prepared for La Paloma Generating Company, LLC and submitted to California Energy

IV. References Cited (continued)

Commission, Sacramento; U.S. Bureau of Land Management, Bakersfield; U.S. Fish and Wildlife Service, Sacramento; and California Dept. of Fish and Game, Fresno. 19 pp + 3 appendices of maps/aerial photos.

U. S. Fish and Wildlife Service, 1999, Biological Opinion for the La Paloma Generating Plant. Prepared by U. S. Fish and Wildlife Service, Sacramento Fish and Wildlife Office in consultation with U. S. Bureau of Land Management, Bakersfield Field Office. June 24, 1999. 59 pp + app.

CXA La Palaoma, LLC
CEC Docket No. 98-AFC-2
Annual Comliance Report
Year: 2018

Waste Management Activities

During 2018 waste was generated from plant operation, maintenance activities, and repairs.
Waste streams included those shown in Table 1 below:

Table 1: 2018 Waste Generation at LPGP

Waste Streams	Actual	Plan	Waste Classfication	Receiving Facilities	Comments
Water Wash Recovery Tank Debris	0 Tons	500 Tons	Non-Hazardous	McKittrick Waste	Generated during C Outage
Non- Haz Waste Sediment	219.41 Tons	1000 Tons	Non-Hazardous	McKittrick Waste	
ZD Brine Water	0 Tons	500 Tons	Non-Hazardous	McKittrick Waste	Only generated when operating ZD Boiler
ZD Cake	0 Tons	50 Tons	Non-Hazardous	McKittrick Waste	Only generated when operating ZD Boiler
WD3 Well Sand Water Mixture	66.06 Tons	200 Tons	Non-Hazardous	McKittrick Waste	
Non Haz Filters	0 Tons	25 Tons	Non-Hazardous	McKittrick Waste	
GT Air Filters	1.56 Tons	25 Tons	Non-Hazardous	McKittrick Waste	
ZD Filter Debris	0 Tons	100 Tons	Non-Hazardous	McKittrick Waste	Only generated when operating ZD Boiler
Treated Wood	0 Tons	100 Tons	Non-Hazardous	McKittrick Waste	Generated during C Outage
Turbine Wash Water	0 Tons	25 Tons	Non-Hazardous	McKittrick Waste	Generated during C Outage
Cooling Tower Sludge	0 Tons	50 Tons	Non-Hazardous	McKittrick Waste	Generated during C Outage
Cooling Tower Fill	0 Tons	25 Tons	Non-Hazardous	McKittrick Waste	Generated during C Outage
EVAP Media Filter	0 Tons	25 Tons	Non-Hazardous	McKittrick Waste	Generated during C Outage
Cardboard	40 cu yd	120 cu yd	Non-Hazardous	Westside Waste Mgmt.	
Comingled Recyclabes	36 cu yd	36 cu yd	Non-Hazardous	Westside Waste Mgmt.	
Empty Totes	800 Lbs	5000 lbs	Non-Hazardous	National Container West	
Empty 55-gallon Drums	0 Lbs	1000 Lbs	Non-Hazardous	National Container West	
Empty 55-gallon Drums	0 Lbs	500 lbs	Non-Hazardous	COLES Servives, Inc	
Empty 5-gal Pails	0 Lbs	25 Lbs	Non-Hazardous	COLES Servives, Inc	
Trash	34.6 Tons	100 Tons	Non-Hazardous	Westside Waste Mgmt.	
Ammonia Salts	20 Llbs	250 Lbs	CA Hazardous	Crosby & Overton	
Used Oil Filters (drained)	1080 Lbs	2000 Lbs	CA Hazardous	Bakersfield Transfer, Inc	
Oily Rags and Absorbents	1500 Lbs	2500 Lbs	CA Hazardous	Bakersfield Transfer, Inc	
Oily Water	0 gallons	250 gallons	CA Hazardous	Bakersfield Transfer, Inc	
Used Oil	674 gallons	1200 gallons	CA Hazardous	Bakersfield Transfer, Inc	
Oil/Diesel	55 gallons	200 gallons	CA Hazardous	Bakersfield Transfer, Inc	
Waste Paint Related Material	0 Tons	< 5 Tons	Hazardous	McKittrick Waste	Expired or not usable paint related material
Empty Totes	2880 Lbs	10000 lbs	Hazardous	National Container West	
Empty 55-gallon Drums	0 Lbs	1000 lbs	Hazardous	National Container West	
Ammonium Sulfate	45 lbs	< 5 Tons	Hazardous	Crosby & Overton	
Waste Carbon	200 Lbs	< 5 Tons	Hazardous	Crosby & Overton	
Flammable Solid, (Natural Gas)	200 Lbs	1000 Lbs	Hazardous	Crosby & Overton	
Hexavalent Chromium	0 Tons	< 5 Tons	Hazardous	Crosby & Overton	
Sulfuric Acid Waste	0.03 tons	< 1 Tons	Hazardous	Crosby & Overton	
Batteries	100 Lbs	200 Lbs	Universal Waste	COLES Servives, Inc	
Batteries, Large	350 lbs	1000 lbs	Universal Waste	COLES Servives, Inc	
Electronic Waste	850 Lbs	1000 lbs	Universal Waste	COLES Servives, Inc	
Fluorscent Lights	1000 Ft	2000 Ft	Universal Waste	COLES Servives, Inc	
Metal Halides Bulbs	70 Each	100 Each	Universal Waste	COLES Servives, Inc	
Aerosol Cans (Empty)	150 Lbs	250 Lbs	Universal Waste	COLES Servives, Inc	

Note: The waste generation was greatly reduced in 2018 due to restricted operation of the Units and no C Outages
Note: The plan numbers are annual numbers assuming all four Units will be running at full load.

Recyling
Of the wastes identified in Table 1, cardboard, comingled recyclables, used oil, used oil filters, batteries, fluoroscent lamps, aerosol cans, and electronic waste were shipped off-site for recycling

2018 ANNUAL COMPLIANCE REPORT

HAZMAT INVENTORY

Location Information					Chemical Identification			
1a*	201	202	203	204	205	206	207*	208
CERSID	ChemicalLocation	CLConfidential	MapNumber	GridNumber	ChemicalName	TradeSecret	CommonName	EHS
10235437	WEST HAZ MATERIAL S	N			MOBIL DTE LIGHT OI	Y	MOBIL DTE LIGHT OI	N
10235437	ZERO LIQUID DISCHARG	N			AMERFLOC 482 POLY	Y	AMERFLOC 482	N
10235437	WEST HAZ MATERIAL S	N			MOBIL DTE MEDIUM	Y	MOBIL DTE MEDIUM	N
10235437	GAS COMPRESSOR	N			NATURAL GAS	N	NATURAL GAS	N
10235437	ZERO LIQUID DISCHARG	N			SODIUM CARBONATI	N	SODA ASH	N
10235437	EAST HAZ MATERIAL ST	N			POLY GONE	Y	POLY-GONE	N
10235437	ZERO LIQUID DISCHARG	N			MOBIL SHC 626	Y	MOBIL SHC 626	N
10235437	POWER BLOCK 3	N			CALCIUM SULFATE	N	CALCIUM SULFATE	N
10235437	ZERO LIQUID DISCHARG	N			SODIUM CHLORIDE	N	ROCK SALT	N
10235437	MAINTENANCE BUILDIN	N			SIMPLE GREEN	Y	SIMPLE GREEN	N
10235437	ZERO LIQUID DISCHARG	N			SIGMA M-460	N	SIGMA M-460	N
10235437	HAZARDOUS WASTE YA	N			WASTE OIL	N	USED OIL	N
10235437	EAST HAZ MATERIAL ST	N			BIOSPERSE 250 MICR	N	BIOSPERSE 250	N
10235437	ZERO LIQUID DISCHARG	N			MOBIL DTE HEAVY M	Y	MOBIL DTE HEAVY M	N
10235437	POWER BLOCK 3	N			TETRASODIUM EDTA	N	DISSOLVINE Z-S (EDT	N
10235437	WATER TREATMENT	N			DREWFLOC POLYME	Y	DREWFLOC POLYME	N
10235437	WEST HAZ MATERIAL S	N			MOBIL DTE 846	Y	MOBIL DTE 846	N
10235437	MAINTENANCE BUILDIN	N			Argon Compressed	N	ARGON	N
10235437	ZERO LIQUID DISCHARG	N			SULFURIC ACID	N	93-99% SULFURIC AC	Y
10235437	EAST HAZ MATERIAL ST	N			SIMPLE GREEN	N	SIMPLE GREEN	N
10235437	GAS COMPRESSOR	N			NITROGEN	N	NITROGEN	N
10235437	MAINTENANCE BUILDIN	N			PROPANE	N	PROPANE	N
10235437	EAST HAZ MATERIAL ST	N			DREW 6134	N	DREW 6134	N
10235437	MAINTENANCE BUILDIN	N			HELIUM	N	HELIUM	N
10235437	EAST HAZ MATERIAL ST	N			DREWCLEAN 2038	N	DREWCLEAN 2038	N
10235437	MAINTENANCE BUILDIN	N			CARBON DIOXIDE	N	CARBON DIOXIDE	N
10235437	WEST HAZ MATERIAL S	N			DIESEL	N	DIESEL FUEL	N
10235437	MAINTENANCE BUILDIN	N			UNIVERSAL WASTE	N	HDS LIGHT BULBS	N
10235437	EAST HAZ MATERIAL ST	N			DREWTROL 7000	Y	DREWTROL 7000	N
10235437	POWER BLOCK	N			CARBON MONOXIDE	N	CARBON MONOXIDE	N

10235437	MAINTENANCE BUILDIN	N	UNIVERSAL WASTE	N	BATTERIES	N
10235437	WEST HAZ MATERIAL ST	N	UNIVERSAL WASTE	N	AEROSOL CANS	N
10235437	COOLING TOWER 1	N	SULFURIC ACID	N	93-99% SULFURIC AC	Y
10235437	COOLING TOWER 3	N	MOBIL SHC 630	Y	MOBIL SHC 630	N
10235437	GAS COMPRESSOR	N	MOBIL DTE EXCEL 46	Y	MOBIL DTE EXCEL 46	N
10235437	ZERO LIQUID DISCHARG	N	DREW 6134	Y	DREW 6134	N
10235437	EAST HAZ MATERIAL ST	N	TETRASODIUM EDTA	N	EDTA ACID	N
10235437	ZERO LIQUID DISCHARG	N	AMEROYAL 710 ANTI	Y	AMEROYAL 710 ANT	N
10235437	EAST HAZ MATERIAL ST	N	DREWCLEAN RO CLE/	Y	DREWCLEAN RO CLE	N
10235437	ZERO LIQUID DISCHARG	N	SULLUBE	Y	SULLUBE	N
10235437	WATER TREATMENT	N	SODIUM HYPOCHLOI	N	SODIUM HYPOCHLO	N
10235437	POWER BLOCK	N	MOBIL DTE MEDIUM	Y	MOBIL DTE MEDIUM	N
10235437	COOLING TOWER 3	N	MOBIL DTE HEAVY M	Y	MOBIL DTE HEAVY M	N
10235437	ZERO LIQUID DISCHARG	N	MOBIL DTE HEAVY O	Y	MOBIL DTE HEAVY O	N
10235437	COOLING TOWER 1	N	MOBIL DTE HEAVY M	Y	MOBIL DTE HEAVY M	N
10235437	COOLING TOWER 1	N	MOBIL SHC 630	Y	MOBIL SHC 630	N
10235437	ZERO LIQUID DISCHARG	N	MOBIL SHC 525	Y	MOBIL SHC 525	N
10235437	WATER TREATMENT	N	MOBIL RARUS 1026	Y	MOBIL RARUS 1026	N
10235437	WEST HAZ MATERIAL ST	N	MOBIL DTE EXCEL 46	N	MOBIL DTE EXCEL 46	N
10235437	GAS COMPRESSOR	N	MOBIL DTE MEDIUM	Y	MOBIL DTE MEDIUM	N
10235437	WEST HAZ WASTE	N	CHEVRON RANDO HI	Y	CHEVRON RANDO HI	N
10235437	MAINTENANCE BUILDIN	N	ELECTRONIC WASTE	N	ELECTRONIC WASTE	N
10235437	EAST HAZ MATERIAL ST	N	DREWFLOC POLYME	Y	DREWFLOC POLYME	N
10235437	SWITCHYARD	N	LEAD ACID BATTERIE	N	LEAD ACID BATTERIE	N
10235437	MAINTENANCE BUILDIN	N	NITRIC OXIDE	N	EPA PROTOCOL GAS	N
10235437	COOLING TOWER 3	N	SODIUM HYPOCHLOI	N	SODIUM HYPOCHLO	N
10235437	EAST HAZ MATERIAL ST	N	CAUSTIC SODA (SODI	N	SODIUM HYDROXIDE	N
10235437	FIRE PUMP	N	DIESEL	N	DIESEL FUEL	N
10235437	GAS COMPRESSOR	N	HELIUM	N	HELIUM	N
10235437	MAINTENANCE BUILDIN	N	CARBON MONOXIDE	N	CARBON MONOXIDE	N
10235437	WEST HAZ MATER	N	MOBIL SHC 525	Y	MOBIL SHC 525	N
10235437	ZERO LIQUID DISCHARG	N	MOBIL SHC 630	Y	MOBIL SHC 630	N
10235437	ZERO LIQUID DISCHARG	N	DREWTROL 7000	Y	DREWTROL 7000	N

10235437	ZERO LIQUID DISCHARG	N	DREWCLEAN 2038	Y	DREWCLEAN 2038	N
10235437	WATER TREATMENT	N	ALUMINUM SULFATE	N	CHARGEPAC 4 COAG	N
10235437	AMMONIA BLDG	N	AMMONIUM HYDRO	N	29% AQUA AMMON	Y
10235437	COOLING TOWER 3	N	SULFURIC ACID	N	93-99% SULFURIC AC	Y
10235437	ZERO LIQUID DISCHARG	N	CAUSTIC SODA (SODI	N	SODIUM HYDROXIDE	N
10235437	ZERO LIQUID DISCHARG	N	CALCIUM CHLORIDE	N	CALCIUM CHLORIDE	N
10235437	SWITCHYARD	N	SULFUR HEXAFLOURI	N	SULFUR HEXAFLOUR	N
10235437	MAINTENANCE BUILDIN	N	ACETYLENE	N	ACETYLENE	N
10235437	COOLING TOWER 1	N	SODIUM HYPOCHLOI	N	SODIUM HYPOCHLO	N
10235437	WATER TREATMENT	N	ACETYLENE	N	ACETYLENE	N
10235437	EAST HAZ MATERIAL ST	N	AMEROYAL 710 ANTI	Y	AMEROYAL 710 ANT	N
10235437	EAST HAZ MATERIAL ST	N	AMERFLOC 482 POLY	Y	AMERFLOC 482	N
10235437	WATER TREATMENT	N	AMERFLOC 482 POLY	Y	AMERFLOC 482	N
10235437	EAST HAZ MATERIAL ST	N	Ammonium Hydroxic	N	29% AQUA AMMON	Y
10235437	MAINTENANCE BUILDIN	N	UNIVERSAL WASTE	N	FLORESCENT LIGHT E	N
10235437	MAINTENANCE BUILDIN	N	NITROGEN	N	NITROGEN	N
10235437	MAINTENANCE BUILDIN	N	OXYGEN	N	OXYGEN	N
10235437	ZERO LIQUID DISCHARG	N	NITROGEN	N	NITROGEN	N
10235437	MAINTENANCE BUILDIN	N	EPA PROTOCOL GAS	N	EPA PROTOCOL GAS	N
10235437	POWER BLOCK 1	N	PROPANE	N	PROPANE	N
10235437	POWER BLOCK 2	N	PROPANE	N	PROPANE	N
10235437	POWER BLOCK 3	N	PROPANE	N	PROPANE	N
10235437	POWER BLOCK 4	N	PROPANE	N	PROPANE	N
10235437	POWER BLOCK 1	N	CARBON DIOXIDE	N	CARBON DIOXIDE	N
10235437	POWER BLOCK 2	N	CARBON DIOXIDE	N	CARBON DIOXIDE	N
10235437	POWER BLOCK 3	N	CARBON DIOXIDE	N	CARBON DIOXIDE	N
10235437	POWER BLOCK 4	N	CARBON DIOXIDE	N	CARBON DIOXIDE	N
10235437	POWER BLOCK 1	N	DIESEL	N	DIESEL FUEL	N
10235437	POWER BLOCK 2	N	DIESEL	N	DIESEL FUEL	N
10235437	POWER BLOCK 3	N	DIESEL	N	DIESEL FUEL	N
10235437	POWER BLOCK 4	N	DIESEL	N	DIESEL FUEL	N
10235437	POWER BLOCK 1	N	TURBOTECT 2020	Y	TURBOTECT 2020	N
10235437	POWER BLOCK 3	N	TURBOTECT 2020	Y	TURBOTECT 2020	N

10235437	EAST HAZ MATERIAL ST	N	TURBOTECT 2020	Y	TURBOTECT 2020	N
10235437	POWER BLOCK 1	N	NITROGEN	N	NITROGEN	N
10235437	POWER BLOCK 2	N	NITROGEN	N	NITROGEN	N
10235437	POWER BLOCK 3	N	NITROGEN	N	NITROGEN	N
10235437	POWER BLOCK 4	N	NITROGEN	N	NITROGEN	N
10235437	POWER BLOCK 1	N	OXYGEN	N	OXYGEN	N
10235437	POWER BLOCK 2	N	OXYGEN	N	OXYGEN	N
10235437	POWER BLOCK 3	N	OXYGEN	N	OXYGEN	N
10235437	POWER BLOCK 4	N	OXYGEN	N	OXYGEN	N
10235437	POWER BLOCK 3	N	NITRIC OXIDE	N	EPA PROTOCOL GAS	N
10235437	POWER BLOCK 1	N	LEAD ACID BATTERIE	N	LEAD ACID BATTERIE	N
10235437	POWER BLOCK 2	N	LEAD ACID BATTERIE	N	LEAD ACID BATTERIE	N
10235437	POWER BLOCK 3	N	LEAD ACID BATTERIE	N	LEAD ACID BATTERIE	N
10235437	POWER BLOCK 4	N	LEAD ACID BATTERIE	N	LEAD ACID BATTERIE	N
10235437	POWER BLOCK 4	N	AMERCOR KB CORRC	N	AMERCOR KB	N
10235437	EAST HAZ MATERIAL ST	N	AMERCOR KB CORRC	N	AMERCOR KB	N
10235437	MAINTENANCE BUILDIN	N		N	OILY RAGS	N
10235437	COOLING TOWER 1	N	SODIUM CARBONATI	N	SODA ASH	N
10235437	COOLING TOWER 3	N	SODIUM CARBONATI	N	SODA ASH	N
10235437	WEST HAZ MATERIAL S	N	Drained Used Oil Filt	N	Drained Used Oil Filt	N
10235437	WATER TREATMENT	N	HYPERSPERSE MDC 1	Y	HYPERSPERSE MDC 1	N
10235437	POWER BLOCK 4	N	NITRIC OXIDE	N	EPA PROTOCOL GAS	N
10235437	POWER BLOCK 1	N	HYDRONATED LIGHT	N	TRANSFORMER DIEL	N
10235437	POWER BLOCK 2	N	HYDRONATED LIGHT	N	TRANSFORMER DIEL	N
10235437	POWER BLOCK 3	N	HYDRONATED LIGHT	N	TRANSFORMER DIEL	N
10235437	POWER BLOCK 1	N	NITRIC OXIDE	N	EPA PROTOCOL GAS	N
10235437	POWER BLOCK 2	N	NITRIC OXIDE	N	EPA PROTOCOL GAS	N
10235437	POWER BLOCK 4	N	HYDRONATED LIGHT	N	TRANSFORMER DIEL	N
10235437	POWER BLOCK 1	N	EPA PROTOCOL GAS	N	EPA PROTOCOL GAS	N
10235437	POWER BLOCK 2	N	EPA PROTOCOL GAS	N	EPA PROTOCOL GAS	N
10235437	POWER BLOCK 3	N	EPA PROTOCOL GAS	N	EPA PROTOCOL GAS	N
10235437	POWER BLOCK 4	N	EPA PROTOCOL GAS	N	EPA PROTOCOL GAS	N
10235437	POWER BLOCK 1	N	MOBIL DTE 846	Y	MOBIL DTE 846	N

10235437	POWER BLOCK 2	N	MOBIL DTE 846	Y	MOBIL DTE 846	N
10235437	POWER BLOCK 3	N	MOBIL DTE 846	Y	MOBIL DTE 846	N
10235437	POWER BLOCK 4	N	MOBIL DTE 846	Y	MOBIL DTE 846	N
10235437	POWER BLOCK2	N	SULLUBE	Y	SULLUBE	N
10235437	POWER BLOCK 4	N	SULLUBE	Y	SULLUBE	N
10235437	POWER BLOCK 1	N	MOBIL DTE LIGHT OI	Y	MOBIL DTE LIGHT OI	N
10235437	POWER BLOCK 2	N	MOBIL DTE LIGHT OI	Y	MOBIL DTE LIGHT OI	N
10235437	POWER BLOCK 3	N	MOBIL DTE LIGHT OI	Y	MOBIL DTE LIGHT OI	N
10235437	POWER BLOCK 4	N	MOBIL DTE LIGHT OI	Y	MOBIL DTE LIGHT OI	N
10235437	POWER BLOCK 3	N	AMERCOR KB CORRC	N	AMERCOR KB	N
10235437	POWER BLOCK 1	N	AMERCOR KB CORRC	N	AMERCOR KB	N
10235437	POWER BLOCK 2	N	AMERCOR KB CORRC	N	AMERCOR KB	N
10235437	ZERO LIQUID DISCHARG	N	Drewplus ED750 Foa	Y	Drewplus ED750 Foa	N
10235437	ZERO LIQUID DISCHARG	N	Drew 11-664 Antiscalant		Drew 11-664 Antisca	N
10235437	EAST HAZ MATERIAL ST	N	Drewplus ED750 Foa	Y	Drewplus ED750 Foa	N
10235437	EAST HAZ MATERIAL ST	N	Drew 11-664 Antiscalant		Drew 11-664 Antisca	N
10235437	POWER BLOCK 1	N	SODIUM CARBONATI	N	SODA ASH	N
10235437	POWER BLOCK 3	N	SODIUM CARBONATI	N	SODA ASH	N
10235437	POWER BLOCK 3	N	SULFURIC ACID	N	51% SULFURIC ACID	Y
10235437	POWER BLOCK 3	N	2,4-Imidazolidinedio	N	Biosperse 261T Micı	N
10235437	POWER BLOCK 1	N	2,4-Imidazolidinedio	N	Biosperse 261T Micı	N
10235437	POWER BLOCK 2	N	2,4-Imidazolidinedio	N	Biosperse 261T Micı	N
10235437	POWER BLOCK 4	N	2,4-Imidazolidinedio	N	Biosperse 261T Micı	N
10235437	EAST HAZ MATERIAL ST	N	Drewclean RO CLEAN	N	DrewClean RO CLEAI	N
10235437	West Haz Material Stor	N	HYTRANS 61	N	HYTRANS 61	N
10235437	HAZARDOUS WASTE YA	N	OILY RAGS	N	OILY RAGS	N
10235437	POWER BLOCK 4	N	UNIVERSAL WASTE	N	LEAD ACID BATTERIE	Y

	Fire Code Hazard Class Informati				
209	210a	210b	210c	210d	210e
CASNumber	PFCodeHazardClass	SFCodeHazardClass	TFCodeHazardClass	FFCodeHazardClass	FifthFireCodeHazardClass
	4				
8006-14-2					
5968-11-6					
7778-18-9					
7647-14-5	14	27			
NA	27				
60-00-4					
	4				
7440-37-1	39				
7664-93-9	5	37	31	17	
7727-37-9	13				
74-98-6	8				
7440-59-7					
124-38-9	27				
68476346	2				
630-08-0	8	14	27		

NA	5			
7664-93-9	5	37	31	17
	14			
	14	27		
7681-52-9	5	18	27	
	4			
NA	5			
7681-52-9	5	18	27	
1310-73-2	5	31	36	
68476346	2			
7440-59-7				
630-08-0	8	14	27	
	2			
	4			
	5			

	14			
	5	14		
1336-21-6	5	31		
7664-93-9	5	37	31	17
1310-73-2	5	31	36	
10043-52-4	14			
2551-62-4	27			
74-86-2	33	8		
7681-52-9	5	18	27	
74-86-2	33	8		
	14	27		
1336-21-6	5	31		
7727-37-9	13			
7782-44-7	13		5	27
7727-37-9	13			
74-98-6	8			
74-98-6	8			
74-98-6	8			
74-98-6	8			
124-38-9	27			
124-38-9	27			
124-38-9	27			
124-38-9	27			
68476346	2			
68476346	2			
68476346	2			
68476346	2			

7727-37-9	13			
7727-37-9	13			
7727-37-9	13			
7727-37-9	13			
7782-44-7	13		5	27
7782-44-7	13		5	27
7782-44-7	13		5	27
7782-44-7	13		5	27
NA	5			
NA	5			
NA	5			
NA	5			
	5			
	5			
5968-11-6				
5968-11-6				
NA	27			
64742-53-6	4	1	14	
64742-53-6	4	1	14	
64742-53-6	4	1	14	
64742-53-6	4	1	14	

	5			
	5			
	5			
	4			
	4			
5968-11-6				
5968-11-6				
7664-93-9	5	37	31	17
16079-88-2				
16079-88-2				
16079-88-2				
16079-88-2				
NA	5			

on					
210f	210g	210h	211	212	213
SixthFireCodeHazardClass	SeventhFireCodeHazardClass	EighthFireCodeHazardClass	HMType	RadioActive	Curies
			b	N	0
			b	N	0
			b	N	0
			b	N	0
			a	N	0
			b	N	0
			b	N	0
			a	N	0
			a	N	0
			b	N	0
			b	N	0
			c	N	0
			b	N	0
			b	N	0
			a	N	0
			b	N	0
			b	N	0
			a	N	0
			a	N	0
			b	N	0
			a	N	0
			a	N	0
			b	N	0
			a	N	0
			b	N	0
			a	N	0
			a	N	0
			c	N	0
			b	N	0
			a	N	0

c	N	0
c	N	0
a	N	0
b	N	0
b	N	0
b	N	0
b	N	0
b	N	0
b	N	0
b	N	0
b	N	0
b	N	0
b	N	0
b	N	0
b	N	0
b	N	0
b	N	0
b	N	0
b	N	0
b	N	0
b	N	0
b	N	0
c	N	0
b	N	0
b	N	0
b	N	0
b	N	0
b	N	0
a	N	0
a	N	0
a	N	0
a	N	0
b	N	0
b	N	0

b	N	0
b	N	0
b	N	0
a	N	0
b	N	0
b	N	0
a	N	0
a	N	0
b	N	0
a	N	0
b	N	0
b	N	0
b	N	0
a	N	0
c	N	0
b	N	0
a	N	0
a	N	0
b	N	0
a	N	0
a	N	0
a	N	0
a	N	0
a	N	0
a	N	0
a	N	0
a	N	0
a	N	0
a	N	0
a	N	0
a	N	0
a	N	0
a	N	0
b	N	0
b	N	0

b	N	0
a	N	0
a	N	0
a	N	0
a	N	0
a	N	0
a	N	0
a	N	0
a	N	0
b	N	0
b	N	0
b	N	0
b	N	0
b	N	0
b	N	
b	N	
c	N	0
a	N	0
a	N	0
c	N	
b	N	0
b	N	0
a	N	0
a	N	0
a	N	0
b	N	0
b	N	0
a	N	0
b	N	0
b	N	0
b	N	0
b	N	0
b	N	0

b	N	0
b	N	0
b	N	0
b	N	0
b	N	0
b	N	0
b	N	0
b	N	0
b	N	
b	N	
b	N	
b	N	
b	N	
b	N	
b	N	
a	N	0
a	N	0
a	N	0
a	N	
a	N	
a	N	
a	N	
b	N	
a	N	
c	N	0
c	N	0

214*	215	216a	216b	216c	216d	216e
PhysicalState	LargestContainer	FHCFire	FHCReactive	FHCPressureRelease	FHCAcuteHealth	FHCChronicHealth
b	55	Y	N	N	N	N
b	275	N	N	N	N	N
b	55	N	N	N	N	N
c	300	Y	N	Y	N	N
a	175	N	N	N	N	N
b	55	N	N	N	N	N
b	5	N	N	N	N	N
a	50	N	N	N	N	N
a	40	N	N	N	N	N
b	55	N	N	N	N	N
b	55	N	N	N	N	N
b	445	Y	N	N	N	N
b	275	N	N	N	Y	N
b	55	N	N	N	N	N
a	50	N	N	N	N	N
b	400	N	N	N	Y	N
b	55	N	N	N	N	N
c	300	N	N	N	N	N
b	91800	N	Y	N	Y	N
b	55	N	N	N	N	N
c	300	N	N	Y	Y	N
b	7	Y	N	Y	N	N
b	275	N	N	N	N	N
c	300	N	N	Y	N	N
b	55	N	N	N	N	N
b	500	N	N	Y	N	N
b	55	Y	N	Y	Y	N
a	100	N	N	N	N	N
b	55	N	N	N	N	N
c	300	Y	N	Y	N	N

a	75	N	N	N	N	N
a	55	N	N	N	N	N
b	91800	N	Y	N	Y	N
b	23	N	N	N	N	N
b	120	N	N	N	N	N
b	275	N	N	N	Y	N
b	275	N	N	N	N	N
b	275	N	N	N	N	N
b	50	N	N	N	Y	N
b	5	N	N	N	N	N
b	6600	N	N	N	Y	N
b	45	N	N	N	N	N
b	30	N	N	N	N	N
b	5	N	N	N	N	N
b	30	N	N	N	N	N
b	23	N	N	N	N	N
b	109	N	N	N	N	N
b	8	N	N	N	N	N
b	55	N	N	N	N	N
b	528	N	N	N	N	N
b	55	N	N	N	N	N
a	100	N	N	N	N	N
b	275	N	N	N	Y	N
b	1.3	N	N	N	Y	Y
c	300	N	N	Y	N	N
b	6000	N	N	N	Y	N
b	325	N	N	N	Y	N
b	280	Y	N	N	Y	N
c	300	N	N	Y	Y	N
c	300	Y	N	Y	Y	Y
b	55	N	N	N	N	N
b	5	N	N	N	N	Y
b	80	N	Y	N	Y	N

b	55	N	Y	N	Y	N
b	5500	Y	N	N	Y	N
b	105000	N	Y	Y	Y	Y
b	91800	N	Y	N	Y	N
b	500	N	Y	N	Y	N
b	5000	N	N	N	Y	N
c	270	N	N	Y	N	N
c	300	Y	Y	Y	Y	N
b	6000	N	Y	N	Y	N
c	300	N	Y	Y	Y	N
b	275	N	N	N	N	N
b	275	N	N	N	N	N
b	275	N	N	N	N	N
b	413	Y	Y	Y	Y	Y
a	100	N	N	N	N	N
c	300	N	N	Y	Y	N
c	300	N	N	Y	N	N
c	300	N	N	Y	Y	N
c	300	N	N	Y	N	N
b	7	Y	N	Y	N	N
b	7	Y	N	Y	N	N
b	7	Y	N	Y	N	N
b	7	Y	N	Y	N	N
b	12000	N	N	Y	N	N
b	12000	N	N	Y	N	N
b	12000	N	N	Y	N	N
b	12000	N	N	Y	N	N
b	200	Y	N	N	Y	N
b	200	Y	N	N	Y	N
b	200	Y	N	N	Y	N
b	200	Y	N	N	Y	N
b	275	N	N	N	Y	N
b	275	N	N	N	Y	N

b	275	N	N	N	Y	N
c	40000	N	N	Y	Y	N
c	40000	N	N	Y	Y	N
c	40000	N	N	Y	Y	N
c	40000	N	N	Y	Y	N
c	300	N	N	Y	Y	N
c	300	N	N	Y	Y	N
c	300	N	N	Y	Y	N
c	300	N	N	Y	Y	N
c	300	N	N	Y	N	N
b	2.16	N	N	N	Y	Y
b	2.16	N	N	N	Y	Y
b	2.16	N	N	N	Y	Y
b	2.16	N	N	N	Y	Y
b	317	N	N	N	Y	N
b	55	N	N	N	Y	N
a	55	Y	N	N	N	N
a	175	N	N	N	N	N
a	175	N	N	N	N	N
b	55	N	N	N	N	N
b	275	N	N	N	N	N
c	300	N	N	Y	N	N
b	17171	Y	N	N	N	N
b	17171	Y	N	N	N	N
b	17171	Y	N	N	N	N
c	300	N	N	Y	N	N
c	300	N	N	Y	N	N
b	17171	Y	N	N	N	N
c	300	N	N	Y	N	N
c	300	N	N	Y	N	N
c	300	N	N	Y	N	N
c	300	N	N	Y	N	N
b	12000	N	N	N	N	N

b	12000	N	N	N	N	N
b	12000	N	N	N	N	N
b	12000	N	N	N	N	N
b	14	N	N	N	N	N
b	14	N	N	N	N	N
b	110	N	N	N	N	N
b	110	N	N	N	N	N
b	110	N	N	N	N	N
b	110	N	N	N	N	N
b	317	N	N	N	Y	N
b	317	N	N	N	Y	N
b	317	N	N	N	Y	N
b	275	N	N	N	N	N
b	275	N	N	N	Y	N
b	275	N	N	N	N	N
b	275	N	N	N	Y	N
a	50	N	N	N	N	N
a	175	N	N	N	N	N
b	75	N	Y	N	Y	N
a	50	N	N	N	N	N
a	50	N	N	N	N	N
a	50	N	N	N	N	N
a	50	N	N	N	N	N
b	5	N	N	N	N	N
b	55	N	N	N	N	N
a	55	Y	N	N	N	N
a	75	N	N	N	N	N

216f	216g	216h	216i	216j	216k
FHCPhysicalFlammable	FHCPhysicalGasUnderPr	FHCPhysicalExplosive	FHCPhysicalSelfHeating	FHCPhysicalPyrophoric	FHCPhysicalOxidizer

Fire Hazard Category Information					
216l	216m	216n	216o	216p	216q
FHCPhysicalOrganicPerc	FHCPhysicalSelfReactive	FHCPhysicalPyrophoric(	FHCPhysicalCorrosiveTo	FHCPhysicalContactWat	FHCPhysicalCombustible

216r	216s	216t	216u	216v	216w
FHCPhysicalHazardNotC	FHCHealthCarcinogenici	FHCHealthAcuteToxicity	FHCHealthReproductive	FHCHealthSkinCorrosio	FHCHealthRespiratorySl

216x	216y	216z	216aa	216bb	216cc
FHCHealthSeriousEyeDa	FHCHealthSpecificTarge	FHCHealthAspirationHa	FHCHealthGermCellMut	FHCHealthSimpleAsphy	FHCHealthHazardNotOt

217	218*	219	220	221*	222
AverageDailyAmount	MaximumDailyAmount	AnnualWasteAmount	StateWasteCode	Units	DaysOnSite
55	165			a	365
200	250			a	365
110	220			a	365
500	600			b	365
150	175			c	365
55	110			a	365
55	55			a	365
3000	5000			c	365
600	1000			c	365
55	55			a	365
45	55			a	365
200	445	2000	221	a	365
200	500			a	365
110	220			a	365
100	500			c	365
250	400			a	365
990	1375			a	365
800	1600			b	365
7650	26010			c	365
55	110			a	365
3600	7200			b	365
35	56			a	365
275	750			a	365
600	1200			b	365
55	110			a	365
500	1000			c	365
220	440			a	365
50	100	300		c	365
110	160			a	365
600	1200			b	365

125	250	330 792	c	365
25	55	55	a	365
55080	78030		c	365
175	184		a	365
450	480		a	365
200	250	0	a	365
1200	2200	0	a	365
200	275	0	a	365
400	1000	0	c	365
40	55		a	365
4500	6000		a	365
160	180		a	365
100	120		a	365
25	55		a	365
100	120		a	365
175	184		a	365
200	218		a	365
50	56		a	365
220	275		a	365
2000	2112		a	365
55	55		a	365
50	200	200	c	365
825	2250		a	365
100	120	792	a	365
2880	3600		b	365
4500	6000		a	365
200	325		a	365
210	252		a	365
600	1200		b	365
1800	2400		b	365
110	220		a	365
120	160		a	365
50	80		a	365

35	55		a	365
6000	11000		a	365
150345	200460	122	c	365
55080	78030		c	365
250	500		a	365
3000	5000		a	365
1620	1620		c	365
300	300		b	365
4500	6000		a	365
500	700		b	365
300	550		a	365
500	1250		a	365
200	275		a	365
826	1652	122	c	365
50	100	300	c	365
3600	7200		b	365
4000	7600		b	365
1800	3600		b	365
6720	8400		b	365
10	14	0	a	365
10	14	0	a	365
10	14	0	a	365
10	14	0	a	365
9600	12000		c	365
9600	12000		c	365
9600	12000		c	365
9600	12000		c	365
150	180		a	365
150	180		a	365
150	180		a	365
150	180		a	365
110	110		a	365
110	110		a	365

220	275		a	365
32000	40000		b	365
32000	40000		b	365
32000	40000		b	365
32000	40000		b	365
300	600		b	365
300	600		b	365
300	600		b	365
300	600		b	365
240	300		b	365
288	320	792	a	365
288	320	792	a	365
288	320	792	a	365
288	320	792	a	365
180	285		a	365
55	110		a	365
55	55	165 223	a	365
150	175		c	365
150	175		c	365
55	165	825 223	a	365
200	275		a	365
240	300		b	365
26008	26008		a	365
26008	26008		a	365
26008	26008		a	365
240	300		b	365
240	300		b	365
26008	26008		a	365
450	600		b	365
450	600		b	365
450	600		b	365
450	600		b	365
9360	10530		a	365

9360	10530		a	365
9360	10530		a	365
9360	10530		a	365
25	28		a	365
25	28		a	365
100	110		a	365
100	110		a	365
100	110		a	365
100	110		a	365
180	285		a	365
180	285		a	365
180	285		a	365
150	200		a	365
200	250		a	365
150	275		a	365
150	250		a	365
1200	2700		c	365
1200	2700		c	365
300	600		c	365
25	750		c	365
25	50		c	365
25	50		c	365
50	300		c	365
40	55	0	a	365
495	1100		a	365
55	220	660 223	a	365
125	850	500 792	c	365

223a	223b	223c	223d	223e	223f	223g
SCAboveGroundTank	**SCUnderGroundTank**	**SCTankInsideBuilding**	**SCSteelDrum**	**SCPlasticNonMetallicDrum**	**SCCan**	**SCCarboy**
N	N	N	Y	N	N	N
N	N	N	N	N	N	N
N	N	N	Y	N	N	N
N	N	N	N	N	N	N
N	N	N	N	Y	N	N
N	N	N	N	Y	N	N
N	N	N	N	N	N	N
N	N	N	N	N	N	N
N	N	N	N	N	N	N
N	N	N	N	Y	N	N
N	N	N	Y	N	N	N
Y	N	N	Y	N	N	N
N	N	N	N	N	N	N
N	N	N	Y	N	N	N
N	N	N	N	N	N	N
N	N	N	N	N	N	N
N	N	N	Y	N	N	N
N	N	N	N	N	N	N
Y	N	N	N	N	N	N
N	N	N	N	Y	N	N
N	N	N	N	N	N	N
N	N	N	N	N	N	N
N	N	N	N	N	N	N
N	N	N	N	N	N	N
N	N	N	N	Y	N	N
N	N	N	N	N	N	N
N	N	N	Y	N	N	N
N	N	N	N	N	N	N
N	N	N	N	Y	N	N
N	N	N	N	N	N	N

N	N	N	N	Y	N	N
N	N	N	Y	N	N	N
Y	N	N	N	N	N	N
N	N	N	N	N	N	N
Y	N	N	N	N	N	N
N	N	N	N	N	N	N
N	N	N	N	N	N	N
N	N	N	N	N	N	N
N	N	N	N	Y	N	N
N	N	N	N	N	N	N
Y	N	N	N	N	N	N
Y	N	N	N	N	N	N
N	N	N	N	N	N	N
N	N	N	N	N	N	N
N	N	N	N	N	N	N
N	N	N	N	N	N	N
Y	N	N	N	N	N	N
N	N	N	N	N	N	N
N	N	N	Y	N	N	N
Y	N	N	N	N	N	N
N	N	N	Y	N	N	N
N	N	N	N	N	N	N
Y	N	N	N	N	N	N
N	N	N	N	N	N	N
N	N	N	N	N	N	N
Y	N	N	N	N	N	N
N	N	N	N	N	N	N
N	N	Y	N	N	N	N
N	N	N	N	N	N	N
N	N	N	N	N	N	N
N	N	N	Y	N	N	N
N	N	N	N	N	N	N
Y	N	N	N	N	N	N

N	N	N	N	Y	N	N
Y	N	N	N	N	N	N
Y	N	N	N	N	N	N
Y	N	N	N	N	N	N
N	N	Y	N	N	N	N
Y	N	N	N	N	N	N
N	N	N	N	N	N	N
N	N	N	N	N	N	N
Y	N	N	N	N	N	N
N	N	N	N	N	N	N
N	N	N	N	N	N	N
N	N	N	N	N	N	N
N	N	N	N	N	N	N
Y	N	N	N	Y	N	N
N	N	N	N	N	N	N
N	N	N	N	N	N	N
N	N	N	N	N	N	N
N	N	N	N	N	N	N
N	N	N	N	N	N	N
N	N	N	N	N	N	N
N	N	N	N	N	N	N
N	N	N	N	N	N	N
N	N	N	N	N	N	N
N	N	N	N	N	N	N
Y	N	N	N	N	N	N
Y	N	N	N	N	N	N
Y	N	N	N	N	N	N
Y	N	N	N	N	N	N
N	N	Y	N	N	N	N
N	N	Y	N	N	N	N
N	N	Y	N	N	N	N
N	N	Y	N	N	N	N
N	N	N	N	Y	N	N
N	N	N	N	Y	N	N

N	N	N	N	Y	N	N
N	N	N	N	N	N	N
N	N	N	N	N	N	N
N	N	N	N	N	N	N
N	N	N	N	N	N	N
N	N	N	N	N	N	N
N	N	N	N	N	N	N
N	N	N	N	N	N	N
N	N	N	N	N	N	N
N	N	N	N	N	N	N
N	N	N	N	N	N	N
N	N	N	N	N	N	N
N	N	N	N	N	N	N
N	N	N	N	N	N	N
N	N	Y	N	N	N	N
N	N	Y	N	N	N	N
N	N	N	Y	N	N	N
N	N	N	N	Y	N	N
N	N	N	N	Y	N	N
N	N	N	Y	N	N	N
N	N	N	N	N	N	N
N	N	N	N	N	N	N
Y	N	N	N	N	N	N
Y	N	N	N	N	N	N
Y	N	N	N	N	N	N
N	N	N	N	N	N	N
N	N	N	N	N	N	N
Y	N	N	N	N	N	N
N	N	N	N	N	N	N
N	N	N	N	N	N	N
N	N	N	N	N	N	N
N	N	N	N	N	N	N
Y	N	N	N	N	N	N

Y	N	N	N	N	N	N
Y	N	N	N	N	N	N
Y	N	N	N	N	N	N
N	N	N	N	N	N	N
N	N	N	N	N	N	N
Y	N	N	N	N	N	N
Y	N	N	N	N	N	N
Y	N	N	N	N	N	N
Y	N	N	N	N	N	N
N	N	Y	N	N	N	N
N	N	Y	N	N	N	N
N	N	Y	N	N	N	N
N	N	N	N	N	N	N
N	N	N	N	N	N	N
N	N	N	N	N	N	N
N	N	N	N	N	N	N
N	N	N	N	N	N	N
N	N	N	N	N	N	N
N	N	N	N	N	N	N
N	N	N	N	N	N	N
N	N	N	N	Y	N	N
N	N	N	N	Y	N	N
N	N	N	N	Y	N	N
N	N	N	N	Y	N	N
N	N	N	N	N	N	N
N	N	N	Y	N	N	N
N	N	N	Y	N	N	N
N	N	N	N	Y	N	N

Storage Container Information*								
223h	223i	223j	223k	223l	223m	223n	223o	223p
SCSilo	SCFiberDrum	SCBag	SCBox	SCCylinder	SCGlassBottle	SCPlasticBottle	SCToteBin	SCTankTruckTankWagon
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	Y	N
N	N	N	N	N	N	N	N	N
N	N	N	N	Y	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	Y	N	N	N	N	N	N
N	N	Y	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	Y	N
N	N	N	N	N	N	N	N	N
N	N	Y	N	N	N	N	N	N
N	N	N	N	N	N	N	Y	N
N	N	N	N	N	N	N	N	N
N	N	N	N	Y	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	Y	N	N	N	N
N	N	N	N	Y	N	N	N	N
N	N	N	N	N	N	N	Y	N
N	N	N	N	Y	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	Y	N	N	N	N
N	N	N	N	N	N	N	N	N
N	Y	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	Y	N	N	N	N

N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	Y	N
N	N	N	N	N	N	N	Y	N
N	N	N	N	N	N	N	Y	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	Y	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	Y	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	Y	N
N	N	N	N	N	N	N	N	N
N	N	N	N	Y	N	N	N	N
N	N	N	N	Y	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N

N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	Y	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	Y	N	N	N	N
N	N	N	N	N	N	N	Y	N
N	N	N	N	N	N	N	Y	N
N	N	N	N	N	N	N	Y	N
N	N	N	N	N	N	N	N	N
N	Y	N	N	N	N	N	N	N
N	N	N	N	Y	N	N	N	N
N	N	N	N	Y	N	N	N	N
N	N	N	N	Y	N	N	N	N
N	N	N	N	Y	N	N	N	N
N	N	N	N	Y	N	N	N	N
N	N	N	N	Y	N	N	N	N
N	N	N	N	Y	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N

N	N	N	N	N	N	N	N	N
N	N	N	N	Y	N	N	N	N
N	N	N	N	Y	N	N	N	N
N	N	N	N	Y	N	N	N	N
N	N	N	N	Y	N	N	N	N
N	N	N	N	Y	N	N	N	N
N	N	N	N	Y	N	N	N	N
N	N	N	N	Y	N	N	N	N
N	N	N	N	Y	N	N	N	N
N	N	N	N	Y	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	Y	N
N	N	N	N	Y	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	Y	N	N	N	N
N	N	N	N	Y	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	Y	N	N	N	N
N	N	N	N	Y	N	N	N	N
N	N	N	N	Y	N	N	N	N
N	N	N	N	Y	N	N	N	N
N	N	N	N	N	N	N	N	N

N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	Y	N
N	N	N	N	N	N	N	Y	N
N	N	N	N	N	N	N	Y	N
N	N	N	N	N	N	N	Y	N
N	N	Y	N	N	N	N	N	N
N	N	Y	N	N	N	N	N	N
N	N	N	N	N	N	Y	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N

223q	223r	223r-1	224	225	226	227
SCTankCarRailCar	SCOther	OtherStorageContainer	StoragePressure	StorageTemperature	HC1PercentByWeight	HC1Name
N	N		a	a		PHOSPHOROD
N	N		a	a		
N	N		a	a		
N	N		b	a	80.00	METHANE
N	N		a	a		
N	N		a	a		
N	Y	PAIL	a	a		
N	N		a	a		
N	N		a	a		
N	N		a	a	5.00	TRIETHANOLAI
N	N		a	a	85.00	HYDROGENATE
N	N		a	a	10.00	USED OIL -PETI
N	N		a	a	7.00	MAGNESIUM N
N	N		a	a		
N	N		a	a		
N	N		a	a	30.00	ALIPHATIC HYD
N	N		a	a		
N	N		b	a		
N	N		a	a		
N	N		a	a	5.00	TRIETHANOLAI
N	N		b	a		
N	N		b	a		
N	N		a	a	40.00	SODIUM META
N	N		b	a		
N	N		a	a	20.00	CITRIC ACID
N	N		b	a		Carbon Dioxide
N	N		a	a		
N	N		a	a		
N	N		a	a	15.00	SODIUM HYDR
N	N		b	a		

N	N		a	a		Sulfuric Acid
N	N		b	a		
N	N		a	a		
N	Y	GEAR BOX	a	a		
N	N		a	a		
N	N		a	a	40.00	SODIUM META
N	N		a	a		SODIUM HYDR
N	N		a	a	11.00	SODIUM CHLO
N	N		a	a	5.00	SODIUM TRIM
N	Y	PAIL	a	a		
N	N		a	a	12.00	SODIUM HYPO
N	N		a	a		
N	Y	BEARING SUMP	a	a		
N	Y	PAIL	a	a		
N	Y	BEARING SUMP	a	a		
N	Y	GEAR BOX	a	a		
N	N		a	a		
N	Y	COMP SUMP	a	a		
N	N		a	a		
N	N		a	a		
N	N		a	a		
N	Y	PALLET BOX	a	a		
N	N		a	a	30.00	ALIPHATIC HYD
N	Y	BATTERY CASE	a	a	40.00	SULFURIC ACID
N	N		b	a	99.00	NITROGEN
N	N		a	a	12.00	SODIUM HYPO
N	N		a	a	25.00	SODIUM HYDR
N	N		a	a		
N	N		b	a		
N	N		b	a		
N	N		a	a		
N	Y	PAIL	a	a		
N	N		a	a	15.00	SODIUM HYDR

N	N		a	a	20.00	CITRIC ACID
N	N		a	a	32.00	ALUMINUM SU
N	N		a	a		
N	N		a	a		
N	N		a	a	25.00	SODIUM HYDR
N	N		a	a	29.00	CALCIUM CHLC
N	Y	BREAKER	b	a		
N	N		b	a		
N	N		a	a	12.00	SODIUM HYPO
N	N		b	a		
N	N		a	a	1.00	SODIUM CHLO
N	N		a	a		
N	N		a	a		
N	N		a	a		
N	N		a	a		
N	N		b	a		
N	N		b	a		
N	N		b	a		
N	N		b	a	79.00	NITROGEN
N	N		b	a		
N	N		b	a		
N	N		b	a		
N	N		b	a		
N	N		b	a		Carbon Dioxide
N	N		b	a		Carbon Dioxide
N	N		b	a		Carbon Dioxide
N	N		b	a		Carbon Dioxide
N	N		a	a		
N	N		a	a		
N	N		a	a		
N	N		a	a		
N	N		a	a	2.00	2-(2-BUTOXY)E
N	N		a	a	2.00	2-(2-BUTOXY)E

N	N		a	a	2.00	2-(2-BUTOXY)E
N	N		b	a		
N	N		b	a		
N	N		b	a		
N	N		b	a		
N	N		b	a		
N	N		b	a		
N	N		b	a		
N	N		b	a		
N	N		b	a	99.00	NITROGEN
N	Y	BATTERY CASE	a	a	40.00	SULFURIC ACID
N	Y	BATTERY CASE	a	a	40.00	SULFURIC ACID
N	Y	BATTERY CASE	a	a	40.00	SULFURIC ACID
N	Y	BATTERY CASE	a	a	40.00	SULFURIC ACID
N	N		a	a	15.00	AMMONIUM H
N	N		a	a	15.00	AMMONIUM H
N	N		a	a	10.00	USED OIL
N	N		a	a		
N	N		a	a		
N	N		a	a	100.00	Waste Petroleu
N	N		a	a		
N	N		b	a	99.00	NITROGEN
N	N		a	a		
N	N		a	a		
N	N		a	a		
N	N		b	a	99.00	NITROGEN
N	N		b	a	99.00	NITROGEN
N	N		a	a		
N	N		b	a	79.00	NITROGEN
N	N		b	a	79.00	NITROGEN
N	N		b	a	79.00	NITROGEN
N	N		b	a	79.00	NITROGEN
N	N		a	a		

N	N		a	a		
N	N		a	a		
N	N		a	a		
N	Y	COMP SUMP	a	a		
N	Y	COMP SUMP	a	a		
N	N		a	a		
N	N		a	a		
N	N		a	a		
N	N		a	a		
N	N		a	a	15.00	AMMONIUM H
N	N		a	a	15.00	AMMONIUM H
N	N		a	a	15.00	AMMONIUM H
N	N		a	a	95.00	Alkyl Alcohol E
N	N		a	a	20.00	Phosphonic Ac
N	N		a	a	95.00	Alkyl Alcohol E
N	N		a	a	20.00	Phosphonic Ac
N	N		a	a		
N	N		a	a		
N	N		a	a		
N	N		a	a		
N	N		a	a		
N	N		a	a		
N	N		a	a		
N	Y	5 gallon pail	a	a	60.00	ORGANIC ACID
N	N		a	a	99.00	Distillates, Petr
N	N		a	a	10.00	USED OIL
N	N		a	a	40.00	Sulfuric Acid

						Hazardous Component Information			
228	229	230	231	232	233	234	235	236	237
HC1EHS	HC1CAS	HC2PercentByWeight	HC2Name	HC2EHS	HC2CAS	HC3PercentByWeight	HC3Name	HC3EHS	HC3CAS
N	68649-42-3			N				N	
N				N				N	
N				N				N	
N	74-82-8			N				N	
N				N				N	
N				N				N	
N				N				N	
N				N				N	
N				N				N	
N	102-71-6	1.00	ETHOXYLATED	N	PROPRIETAR	1.00	PROPYLENE GL	N	5131-66-8
N	64742-54-7	1.00	POLY ESTER SY	N	68515-49-1			N	
N	64742-65-0			N				N	
N	10377-60-3	1.10	5-CHLORO-2-M	N	26172-55-4	5.00	MAGNESIUM C	N	7786-30-3
N				N				N	
N				N				N	
N	254504001-!	5.00	ETHOXYLATED	N	127087-87-0			N	
N				N				N	
N				N				N	
N				N				N	
N	102-71-6	1.00	ETHOXYLATED	N	PROPRIETAR	1.00	PROPYLENE GL	N	5131-66-8
N				N				N	
N				N				N	
N	7681-57-4			N				N	
N				N				N	
N	77-92-9	20.00	FORMIC ACID	N	64-18-6			N	
N	124-38-9		Nitrous Oxide	N	10024-97-2			N	
N				N				N	
N				N				N	
N	1310-73-2	11.00	SODIUM SULFI	N	7757-83-7			N	
N				N				N	

N	7664-93-9			N				N		
N				N				N		
N				N				N		
N				N				N		
N				N				N		
N	7681-57-4			N				N		
N	1310-73-2	4.00	TETRASODIUM	N	64-02-8			TRISODIUM NI	N	5064-31-3
N	7647-14-5			N				N		
N	7785-84-4	30.00	ETHYLENEDIAM	N	64-02-8	10.00		DODECYLBENZ	N	25155-30-0
N				N				N		
N	7681-52-9			N				N		
N				N				N		
N				N				N		
N				N				N		
N				N				N		
N				N				N		
N				N				N		
N				N				N		
N				N				N		
N				N				N		
N				N				N		
N				N				N		
N				N				N		
N	254504001-!	5.00	ETHOXYLATED	N	127087-87-0				N	
Y	7664-93-9			N					N	
N	7727-37-9	1.00	NITRIC OXIDE	N	10102-44-0				N	
N	7681-52-9			N					N	
N	1310-73-2	75.00	WATER	N	7732-18-5				N	
N				N					N	
N				N					N	
N				N					N	
N				N					N	
N				N					N	
N	1310-73-2	11.00	SODIUM SULFI	N	7757-83-7				N	

N	77-92-9	20.00	FORMIC ACID	N	64-18-6			N		
N	10043-01-3			N				N		
N				N				N		
N				N				N		
N	1310-73-2	75.00	WATER	N	7732-18-5			N		
N	10043-52-4			N				N		
N				N				N		
N				N				N		
N	7681-52-9			N				N		
N				N				N		
N	7647-14-5			N				N		
N				N				N		
N				N				N		
Y				N				N		
N				N				N		
N				N				N		
N				N				N		
N				N				N		
N	7727-37-9	1.00	NITRIC OXIDE	N	10102-43-9	1.00	CARBON MON	N	630-08-0	
N				N				N		
N				N				N		
N				N				N		
N				N				N		
N	124-38-9		Nitrous Oxide	N	10024-97-2			N		
N	124-38-9		Nitrous Oxide	N	10024-97-2			N		
N	124-38-9		Nitrous Oxide	N	10024-97-2			N		
N	124-38-9		Nitrous Oxide	N	10024-97-2			N		
N				N				N		
N				N				N		
N				N				N		
N				N				N		
N	112-34-5			N				N		
N	112-34-5			N				N		

N	112-34-5			N				N			
N				N				N			
N				N				N			
N				N				N			
N				N				N			
N				N				N			
N				N				N			
N				N				N			
N				N				N			
N				N				N			
N	7727-337-9	1.00	NITRIC OXIDE	N	10102-44-0			N			
Y	7664-93-9			N				N			
Y	7664-93-9			N				N			
Y	7664-93-9			N				N			
Y	7664-93-9			N				N			
Y	1336-21-6	10.00	MONOETHANO	N	141-43-5						
Y	1336-21-6	10.00	MONOETHANO	N	141-43-5						
N	8012-95-1			N				N			
N				N				N			
N				N				N			
N	Mixture										
N				N				N			
N	7727-337-9	1.00	NITRIC OXIDE	N	10102-44-0			N			
N				N				N			
N				N				N			
N				N				N			
N	7727-337-9	1.00	NITRIC OXIDE	N	10102-44-0			N			
N	7727-337-9	1.00	NITRIC OXIDE	N	10102-44-0			N			
N				N				N			
N	7727-37-9	1.00	NITRIC OXIDE	N	10102-43-9	1.00	CARBON MON	N	630-08-0		
N	7727-37-9	1.00	NITRIC OXIDE	N	10102-43-9	1.00	CARBON MON	N	630-08-0		
N	7727-37-9	1.00	NITRIC OXIDE	N	10102-43-9	1.00	CARBON MON	N	630-08-0		
N	7727-37-9	1.00	NITRIC OXIDE	N	10102-43-9	1.00	CARBON MON	N	630-08-0		
N				N				N			

N				N					N	
N				N					N	
N				N					N	
N				N					N	
N				N					N	
N				N					N	
N				N					N	
N				N					N	
N				N					N	
Y	1336-21-6	10.00	MONOETHANO	N	141-43-5					
Y	1336-21-6	10.00	MONOETHANO	N	141-43-5					
Y	1336-21-6	10.00	MONOETHANO	N	141-43-5					
N	68002-96-0									
N	34690-00-1	5.00	Hydrochloric A	N	7647-01-0	5.00	Phosphonic Ac	N	13598-36-2	
N	68002-96-0									
N	34690-00-1	5.00	Hydrochloric A	N	7647-01-0	5.00	Phosphonic Ac	N	13598-36-2	
N				N					N	
N				N					N	
N				N					N	

N	254504001-!	5.00	(OH-ET)ETHYLENEDIAMINE		139-89-9					
N	64742-53-6	1.00	2, 6-Di-t-butyl-p-cresol (BH		128-37-0					
N	8012-95-1			N					N	
Y	7664-93-9			N					N	

238	239	240	241	242	243	244	245
HC4PercentByWeight	**HC4Name**	**HC4EHS**	**HC4CAS**	**HC5PercentByWeight**	**HC5Name**	**HC5EHS**	**HC5CAS**
		N				N	
		N				N	
		N				N	
		N				N	
		N				N	
		N				N	
		N				N	
		N				N	
		N				N	
1.00	TETRAPOTASSI	N	7320-34-5	1.00	SODIUM SILICA	N	1344-09-8
		N				N	
		N				N	
0.40	2-METHYL-4-IS	N	2682-20-4	0.20	CUPRIC NITRA	N	3251-23-8
		N				N	
		N				N	
		N				N	
		N				N	
		N				N	
		N				N	
1.00	TETRAPOTASSI	N	7320-34-5	1.00	SODIUM SILICA	N	1344-09-8
		N				N	
		N				N	
		N				N	
		N				N	
		N				N	
		N				N	
		N				N	
		N				N	
		N				N	
		N				N	

		N				N	
		N				N	
		N				N	
		N				N	
		N				N	
		N				N	
	WATER	N	7732-18-5			N	
		N				N	
10.00	TETRASODIUM	N	7722-88-5	60.00	INORGANIC SA	N	254504001-
		N				N	
		N				N	
		N				N	
		N				N	
		N				N	
		N				N	
		N				N	
		N				N	
		N				N	
		N				N	
		N				N	
		N				N	
		N				N	
		N				N	
		N				N	
		N				N	
		N				N	
		N				N	
		N				N	
		N				N	
		N				N	
		N				N	
		N				N	
		N				N	

N N
N N
N N
N N
N N
N N
N N
N N
N N
N N
N N
N N
N N
N N
N N
N N
N N
N N
N N
N N
N N
N N
N N
N N
N N
N N
N N
N N
N N
N N
N N
N N
N N
N N
N N
N N
N N
N N
N N
N N
N N
N N
N N
N N
N N
N N

N	N
N	N
N	N
N	N
N	N
N	N
N	N
N	N
N	N
N	N
N	N
N	N
N	N
N	N
N	N
N	N
N	N
N	N
N	N
N	N
N	N
N	N
N	N
N	N
N	N
N	N
N	N
N	N
N	N
N	N

N
N
N
N
N
N
N
N
N

N
N
N

N
N

N
N
N
N
N
N
N
N
N

N
N
N

N
N

246	247	250	251	252
ChemicalDescriptionComment	AdditionalMixtureComponents	CCLID	USEPASRSNumber	DOTHazardClassificationID
			157586	
			480269	
			153858	
				9
				9
			3228	
				8
				2.2
				8
				6.1
				2.1
			150169	2.2
				2.2
				3
				8
			65052	2.3

	8
	8
	8
	9
5035	
	8
	8
	8
	8
	3
150169	2.2
65052	2.3
	8

8
8
8
9
2.2
2.1
8
2.1
9

8

6.1
6.1
6.1

2.1
2.1
2.1
2.1
2.2
2.2
2.2
2.2
3
3
3
3

	6.1
	6.1
	6.1
	6.1
	6.1
	6.1
	6.1
	6.1
	8
	8
	8
	8
	8
	8
480269	
480269	
	9
	3
	3
	3
	3

8
8
8
8
8
480269
480269
8
203091
203091
203091
203091
8
8

La Paloma
Generating Plant
CXA La Paloma, LLC

POB175 (Mail)
1760 W. Skyline Road
(Deliveries)
McKittrick, CA 93251

661.762.6000
661.762.6041 Fax

February 27, 2019

Mary Dyas
Compliance Project Manager
California Energy Commission
1516 Ninth Street, MS 2000
Sacramento, CA 95814

Subject: **La Paloma Generating Plant**
Annual Compliance Report - 2018

Dear Ms. Dyas:

Pursuant to Section IV of the Commission Decision for the CXA La Paloma Project, CXA La Paloma, LLC herewith submits the 2018 Annual Compliance Report for the La Paloma Generating Plant in an electronic format.

If there are any questions, please call Paul Sumal at 661.762.6055 or me at 661.762.6047.

Sincerely,

John Smeltzer
Plant Manager
La Paloma Generating Plant

cc: w/attachment P. Sumal CEC file
pdf w/ attachment C. Tubridy F. Schneider

File No. 705.02.08.01

Location Information					Chemical Identification			
1a*	201	202	203	204	205	206	207*	208
CERSID	ChemicalLocation	CLConfidential	MapNumber	GridNumber	ChemicalName	TradeSecret	CommonName	EHS
10235437	WEST HAZ MATERIAL S	N			MOBIL DTE LIGHT OI	Y	MOBIL DTE LIGHT OI	N
10235437	ZERO LIQUID DISCHARG	N			AMERFLOC 482 POLY	Y	AMERFLOC 482	N
10235437	WEST HAZ MATERIAL S	N			MOBIL DTE MEDIUM	Y	MOBIL DTE MEDIUM	N
10235437	GAS COMPRESSOR	N			NATURAL GAS	N	NATURAL GAS	N
10235437	ZERO LIQUID DISCHARG	N			SODIUM CARBONATI	N	SODA ASH	N
10235437	EAST HAZ MATERIAL ST	N			POLY GONE	Y	POLY-GONE	N
10235437	ZERO LIQUID DISCHARG	N			MOBIL SHC 626	Y	MOBIL SHC 626	N
10235437	POWER BLOCK 3	N			CALCIUM SULFATE	N	CALCIUM SULFATE	N
10235437	ZERO LIQUID DISCHARG	N			SODIUM CHLORIDE	N	ROCK SALT	N
10235437	MAINTENANCE BUILDIN	N			SIMPLE GREEN	Y	SIMPLE GREEN	N
10235437	ZERO LIQUID DISCHARG	N			SIGMA M-460	N	SIGMA M-460	N
10235437	HAZARDOUS WASTE YA	N			WASTE OIL	N	USED OIL	N
10235437	EAST HAZ MATERIAL ST	N			BIOSPERSE 250 MICR	N	BIOSPERSE 250	N
10235437	ZERO LIQUID DISCHARG	N			MOBIL DTE HEAVY M	Y	MOBIL DTE HEAVY M	N
10235437	POWER BLOCK 3	N			TETRASODIUM EDTA	N	DISSOLVINE Z-S (EDT	N
10235437	WATER TREATMENT	N			DREWFLOC POLYME	Y	DREWFLOC POLYME	N
10235437	WEST HAZ MATERIAL S	N			MOBIL DTE 846	Y	MOBIL DTE 846	N
10235437	MAINTENANCE BUILDIN	N			Argon Compressed	N	ARGON	N
10235437	ZERO LIQUID DISCHARG	N			SULFURIC ACID	N	93-99% SULFURIC AC	Y
10235437	EAST HAZ MATERIAL ST	N			SIMPLE GREEN	N	SIMPLE GREEN	N
10235437	GAS COMPRESSOR	N			NITROGEN	N	NITROGEN	N
10235437	MAINTENANCE BUILDIN	N			PROPANE	N	PROPANE	N
10235437	EAST HAZ MATERIAL ST	N			DREW 6134	N	DREW 6134	N
10235437	MAINTENANCE BUILDIN	N			HELIUM	N	HELIUM	N
10235437	EAST HAZ MATERIAL ST	N			DREWCLEAN 2038	N	DREWCLEAN 2038	N
10235437	MAINTENANCE BUILDIN	N			CARBON DIOXIDE	N	CARBON DIOXIDE	N
10235437	WEST HAZ MATERIAL S	N			DIESEL	N	DIESEL FUEL	N
10235437	MAINTENANCE BUILDIN	N			UNIVERSAL WASTE	N	HDS LIGHT BULBS	N
10235437	EAST HAZ MATERIAL ST	N			DREWTROL 7000	Y	DREWTROL 7000	N
10235437	POWER BLOCK	N			CARBON MONOXIDE	N	CARBON MONOXIDE	N

10235437	MAINTENANCE BUILDIN	N	UNIVERSAL WASTE	N	BATTERIES	N
10235437	WEST HAZ MATERIAL ST	N	UNIVERSAL WASTE	N	AEROSOL CANS	N
10235437	COOLING TOWER 1	N	SULFURIC ACID	N	93-99% SULFURIC AC	Y
10235437	COOLING TOWER 3	N	MOBIL SHC 630	Y	MOBIL SHC 630	N
10235437	GAS COMPRESSOR	N	MOBIL DTE EXCEL 46	Y	MOBIL DTE EXCEL 46	N
10235437	ZERO LIQUID DISCHARG	N	DREW 6134	Y	DREW 6134	N
10235437	EAST HAZ MATERIAL ST	N	TETRASODIUM EDTA	N	EDTA ACID	N
10235437	ZERO LIQUID DISCHARG	N	AMEROYAL 710 ANTI	Y	AMEROYAL 710 ANT	N
10235437	EAST HAZ MATERIAL ST	N	DREWCLEAN RO CLE/	Y	DREWCLEAN RO CLE	N
10235437	ZERO LIQUID DISCHARG	N	SULLUBE	Y	SULLUBE	N
10235437	WATER TREATMENT	N	SODIUM HYPOCHLOI	N	SODIUM HYPOCHLO	N
10235437	POWER BLOCK	N	MOBIL DTE MEDIUM	Y	MOBIL DTE MEDIUM	N
10235437	COOLING TOWER 3	N	MOBIL DTE HEAVY M	Y	MOBIL DTE HEAVY M	N
10235437	ZERO LIQUID DISCHARG	N	MOBIL DTE HEAVY O	Y	MOBIL DTE HEAVY O	N
10235437	COOLING TOWER 1	N	MOBIL DTE HEAVY M	Y	MOBIL DTE HEAVY M	N
10235437	COOLING TOWER 1	N	MOBIL SHC 630	Y	MOBIL SHC 630	N
10235437	ZERO LIQUID DISCHARG	N	MOBIL SHC 525	Y	MOBIL SHC 525	N
10235437	WATER TREATMENT	N	MOBIL RARUS 1026	Y	MOBIL RARUS 1026	N
10235437	WEST HAZ MATERIAL ST	N	MOBIL DTE EXCEL 46	N	MOBIL DTE EXCEL 46	N
10235437	GAS COMPRESSOR	N	MOBIL DTE MEDIUM	Y	MOBIL DTE MEDIUM	N
10235437	WEST HAZ WASTE	N	CHEVRON RANDO HI	Y	CHEVRON RANDO HI	N
10235437	MAINTENANCE BUILDIN	N	ELECTRONIC WASTE	N	ELECTRONIC WASTE	N
10235437	EAST HAZ MATERIAL ST	N	DREWFLOC POLYME	Y	DREWFLOC POLYME	N
10235437	SWITCHYARD	N	LEAD ACID BATTERIE	N	LEAD ACID BATTERIE	N
10235437	MAINTENANCE BUILDIN	N	NITRIC OXIDE	N	EPA PROTOCOL GAS	N
10235437	COOLING TOWER 3	N	SODIUM HYPOCHLOI	N	SODIUM HYPOCHLO	N
10235437	EAST HAZ MATERIAL ST	N	CAUSTIC SODA (SODI	N	SODIUM HYDROXIDE	N
10235437	FIRE PUMP	N	DIESEL	N	DIESEL FUEL	N
10235437	GAS COMPRESSOR	N	HELIUM	N	HELIUM	N
10235437	MAINTENANCE BUILDIN	N	CARBON MONOXIDE	N	CARBON MONOXIDE	N
10235437	WEST HAZ MATER	N	MOBIL SHC 525	Y	MOBIL SHC 525	N
10235437	ZERO LIQUID DISCHARG	N	MOBIL SHC 630	Y	MOBIL SHC 630	N
10235437	ZERO LIQUID DISCHARG	N	DREWTROL 7000	Y	DREWTROL 7000	N

10235437	ZERO LIQUID DISCHARG	N	DREWCLEAN 2038	Y	DREWCLEAN 2038	N
10235437	WATER TREATMENT	N	ALUMINUM SULFATE	N	CHARGEPAC 4 COAG	N
10235437	AMMONIA BLDG	N	AMMONIUM HYDRO	N	29% AQUA AMMON	Y
10235437	COOLING TOWER 3	N	SULFURIC ACID	N	93-99% SULFURIC AC	Y
10235437	ZERO LIQUID DISCHARG	N	CAUSTIC SODA (SODI	N	SODIUM HYDROXIDE	N
10235437	ZERO LIQUID DISCHARG	N	CALCIUM CHLORIDE	N	CALCIUM CHLORIDE	N
10235437	SWITCHYARD	N	SULFUR HEXAFLOURI	N	SULFUR HEXAFLOUR	N
10235437	MAINTENANCE BUILDIN	N	ACETYLENE	N	ACETYLENE	N
10235437	COOLING TOWER 1	N	SODIUM HYPOCHLOI	N	SODIUM HYPOCHLO	N
10235437	WATER TREATMENT	N	ACETYLENE	N	ACETYLENE	N
10235437	EAST HAZ MATERIAL ST	N	AMEROYAL 710 ANTI	Y	AMEROYAL 710 ANT	N
10235437	EAST HAZ MATERIAL ST	N	AMERFLOC 482 POLY	Y	AMERFLOC 482	N
10235437	WATER TREATMENT	N	AMERFLOC 482 POLY	Y	AMERFLOC 482	N
10235437	EAST HAZ MATERIAL ST	N	Ammonium Hydroxic	N	29% AQUA AMMON	Y
10235437	MAINTENANCE BUILDIN	N	UNIVERSAL WASTE	N	FLORESCENT LIGHT E	N
10235437	MAINTENANCE BUILDIN	N	NITROGEN	N	NITROGEN	N
10235437	MAINTENANCE BUILDIN	N	OXYGEN	N	OXYGEN	N
10235437	ZERO LIQUID DISCHARG	N	NITROGEN	N	NITROGEN	N
10235437	MAINTENANCE BUILDIN	N	EPA PROTOCOL GAS	N	EPA PROTOCOL GAS	N
10235437	POWER BLOCK 1	N	PROPANE	N	PROPANE	N
10235437	POWER BLOCK 2	N	PROPANE	N	PROPANE	N
10235437	POWER BLOCK 3	N	PROPANE	N	PROPANE	N
10235437	POWER BLOCK 4	N	PROPANE	N	PROPANE	N
10235437	POWER BLOCK 1	N	CARBON DIOXIDE	N	CARBON DIOXIDE	N
10235437	POWER BLOCK 2	N	CARBON DIOXIDE	N	CARBON DIOXIDE	N
10235437	POWER BLOCK 3	N	CARBON DIOXIDE	N	CARBON DIOXIDE	N
10235437	POWER BLOCK 4	N	CARBON DIOXIDE	N	CARBON DIOXIDE	N
10235437	POWER BLOCK 1	N	DIESEL	N	DIESEL FUEL	N
10235437	POWER BLOCK 2	N	DIESEL	N	DIESEL FUEL	N
10235437	POWER BLOCK 3	N	DIESEL	N	DIESEL FUEL	N
10235437	POWER BLOCK 4	N	DIESEL	N	DIESEL FUEL	N
10235437	POWER BLOCK 1	N	TURBOTECT 2020	Y	TURBOTECT 2020	N
10235437	POWER BLOCK 3	N	TURBOTECT 2020	Y	TURBOTECT 2020	N

10235437	EAST HAZ MATERIAL ST	N	TURBOTECT 2020	Y	TURBOTECT 2020	N
10235437	POWER BLOCK 1	N	NITROGEN	N	NITROGEN	N
10235437	POWER BLOCK 2	N	NITROGEN	N	NITROGEN	N
10235437	POWER BLOCK 3	N	NITROGEN	N	NITROGEN	N
10235437	POWER BLOCK 4	N	NITROGEN	N	NITROGEN	N
10235437	POWER BLOCK 1	N	OXYGEN	N	OXYGEN	N
10235437	POWER BLOCK 2	N	OXYGEN	N	OXYGEN	N
10235437	POWER BLOCK 3	N	OXYGEN	N	OXYGEN	N
10235437	POWER BLOCK 4	N	OXYGEN	N	OXYGEN	N
10235437	POWER BLOCK 3	N	NITRIC OXIDE	N	EPA PROTOCOL GAS	N
10235437	POWER BLOCK 1	N	LEAD ACID BATTERIE	N	LEAD ACID BATTERIE	N
10235437	POWER BLOCK 2	N	LEAD ACID BATTERIE	N	LEAD ACID BATTERIE	N
10235437	POWER BLOCK 3	N	LEAD ACID BATTERIE	N	LEAD ACID BATTERIE	N
10235437	POWER BLOCK 4	N	LEAD ACID BATTERIE	N	LEAD ACID BATTERIE	N
10235437	POWER BLOCK 4	N	AMERCOR KB CORRC	N	AMERCOR KB	N
10235437	EAST HAZ MATERIAL ST	N	AMERCOR KB CORRC	N	AMERCOR KB	N
10235437	MAINTENANCE BUILDIN	N		N	OILY RAGS	N
10235437	COOLING TOWER 1	N	SODIUM CARBONATI	N	SODA ASH	N
10235437	COOLING TOWER 3	N	SODIUM CARBONATI	N	SODA ASH	N
10235437	WEST HAZ MATERIAL S	N	Drained Used Oil Filt	N	Drained Used Oil Filt	N
10235437	WATER TREATMENT	N	HYPERSPERSE MDC 1	Y	HYPERSPERSE MDC 1	N
10235437	POWER BLOCK 4	N	NITRIC OXIDE	N	EPA PROTOCOL GAS	N
10235437	POWER BLOCK 1	N	HYDRONATED LIGHT	N	TRANSFORMER DIEL	N
10235437	POWER BLOCK 2	N	HYDRONATED LIGHT	N	TRANSFORMER DIEL	N
10235437	POWER BLOCK 3	N	HYDRONATED LIGHT	N	TRANSFORMER DIEL	N
10235437	POWER BLOCK 1	N	NITRIC OXIDE	N	EPA PROTOCOL GAS	N
10235437	POWER BLOCK 2	N	NITRIC OXIDE	N	EPA PROTOCOL GAS	N
10235437	POWER BLOCK 4	N	HYDRONATED LIGHT	N	TRANSFORMER DIEL	N
10235437	POWER BLOCK 1	N	EPA PROTOCOL GAS	N	EPA PROTOCOL GAS	N
10235437	POWER BLOCK 2	N	EPA PROTOCOL GAS	N	EPA PROTOCOL GAS	N
10235437	POWER BLOCK 3	N	EPA PROTOCOL GAS	N	EPA PROTOCOL GAS	N
10235437	POWER BLOCK 4	N	EPA PROTOCOL GAS	N	EPA PROTOCOL GAS	N
10235437	POWER BLOCK 1	N	MOBIL DTE 846	Y	MOBIL DTE 846	N

10235437	POWER BLOCK 2	N	MOBIL DTE 846	Y	MOBIL DTE 846	N
10235437	POWER BLOCK 3	N	MOBIL DTE 846	Y	MOBIL DTE 846	N
10235437	POWER BLOCK 4	N	MOBIL DTE 846	Y	MOBIL DTE 846	N
10235437	POWER BLOCK2	N	SULLUBE	Y	SULLUBE	N
10235437	POWER BLOCK 4	N	SULLUBE	Y	SULLUBE	N
10235437	POWER BLOCK 1	N	MOBIL DTE LIGHT OI	Y	MOBIL DTE LIGHT OI	N
10235437	POWER BLOCK 2	N	MOBIL DTE LIGHT OI	Y	MOBIL DTE LIGHT OI	N
10235437	POWER BLOCK 3	N	MOBIL DTE LIGHT OI	Y	MOBIL DTE LIGHT OI	N
10235437	POWER BLOCK 4	N	MOBIL DTE LIGHT OI	Y	MOBIL DTE LIGHT OI	N
10235437	POWER BLOCK 3	N	AMERCOR KB CORRC	N	AMERCOR KB	N
10235437	POWER BLOCK 1	N	AMERCOR KB CORRC	N	AMERCOR KB	N
10235437	POWER BLOCK 2	N	AMERCOR KB CORRC	N	AMERCOR KB	N
10235437	ZERO LIQUID DISCHARG	N	Drewplus ED750 Foa	Y	Drewplus ED750 Foa	N
10235437	ZERO LIQUID DISCHARG	N	Drew 11-664 Antiscalant		Drew 11-664 Antisca	N
10235437	EAST HAZ MATERIAL ST	N	Drewplus ED750 Foa	Y	Drewplus ED750 Foa	N
10235437	EAST HAZ MATERIAL ST	N	Drew 11-664 Antiscalant		Drew 11-664 Antisca	N
10235437	POWER BLOCK 1	N	SODIUM CARBONATI	N	SODA ASH	N
10235437	POWER BLOCK 3	N	SODIUM CARBONATI	N	SODA ASH	N
10235437	POWER BLOCK 3	N	SULFURIC ACID	N	51% SULFURIC ACID	Y
10235437	POWER BLOCK 3	N	2,4-Imidazolidinedio	N	Biosperse 261T Micı	N
10235437	POWER BLOCK 1	N	2,4-Imidazolidinedio	N	Biosperse 261T Micı	N
10235437	POWER BLOCK 2	N	2,4-Imidazolidinedio	N	Biosperse 261T Micı	N
10235437	POWER BLOCK 4	N	2,4-Imidazolidinedio	N	Biosperse 261T Micı	N
10235437	EAST HAZ MATERIAL ST	N	Drewclean RO CLEAN	N	DrewClean RO CLEAI	N
10235437	West Haz Material Stor	N	HYTRANS 61	N	HYTRANS 61	N
10235437	HAZARDOUS WASTE YA	N	OILY RAGS	N	OILY RAGS	N
10235437	POWER BLOCK 4	N	UNIVERSAL WASTE	N	LEAD ACID BATTERIE	Y

	Fire Code Hazard Class Informati				
209	210a	210b	210c	210d	210e
CASNumber	PFCodeHazardClass	SFCodeHazardClass	TFCodeHazardClass	FFCodeHazardClass	FifthFireCodeHazardClass
	4				
8006-14-2					
5968-11-6					
7778-18-9					
7647-14-5	14	27			
NA	27				
60-00-4					
	4				
7440-37-1	39				
7664-93-9	5	37	31	17	
7727-37-9	13				
74-98-6	8				
7440-59-7					
124-38-9	27				
68476346	2				
630-08-0	8	14	27		

NA	5			
7664-93-9	5	37	31	17
	14			
	14	27		
7681-52-9	5	18	27	
	4			
NA	5			
7681-52-9	5	18	27	
1310-73-2	5	31	36	
68476346	2			
7440-59-7				
630-08-0	8	14	27	
	2			
	4			
	5			

	14			
	5	14		
1336-21-6	5	31		
7664-93-9	5	37	31	17
1310-73-2	5	31	36	
10043-52-4	14			
2551-62-4	27			
74-86-2	33	8		
7681-52-9	5	18	27	
74-86-2	33	8		
	14	27		
1336-21-6	5	31		
7727-37-9	13			
7782-44-7	13		5	27
7727-37-9	13			
74-98-6	8			
74-98-6	8			
74-98-6	8			
74-98-6	8			
124-38-9	27			
124-38-9	27			
124-38-9	27			
124-38-9	27			
68476346	2			
68476346	2			
68476346	2			
68476346	2			

7727-37-9	13			
7727-37-9	13			
7727-37-9	13			
7727-37-9	13			
7782-44-7	13		5	27
7782-44-7	13		5	27
7782-44-7	13		5	27
7782-44-7	13		5	27
NA	5			
NA	5			
NA	5			
NA	5			
	5			
	5			
5968-11-6				
5968-11-6				
NA	27			
64742-53-6	4	1	14	
64742-53-6	4	1	14	
64742-53-6	4	1	14	
64742-53-6	4	1	14	

	5			
	5			
	5			
	4			
	4			
5968-11-6				
5968-11-6				
7664-93-9	5	37	31	17
16079-88-2				
16079-88-2				
16079-88-2				
16079-88-2				
NA	5			

on					
210f	210g	210h	211	212	213
SixthFireCodeHazardClass	SeventhFireCodeHazardClass	EighthFireCodeHazardClass	HMType	RadioActive	Curies
			b	N	0
			b	N	0
			b	N	0
			b	N	0
			a	N	0
			b	N	0
			b	N	0
			a	N	0
			a	N	0
			b	N	0
			b	N	0
			c	N	0
			b	N	0
			b	N	0
			a	N	0
			b	N	0
			b	N	0
			a	N	0
			a	N	0
			b	N	0
			a	N	0
			a	N	0
			b	N	0
			a	N	0
			b	N	0
			a	N	0
			a	N	0
			c	N	0
			b	N	0
			a	N	0

c	N	0
c	N	0
a	N	0
b	N	0
b	N	0
b	N	0
b	N	0
b	N	0
b	N	0
b	N	0
b	N	0
b	N	0
b	N	0
b	N	0
b	N	0
b	N	0
b	N	0
b	N	0
b	N	0
b	N	0
b	N	0
b	N	0
c	N	0
b	N	0
b	N	0
b	N	0
b	N	0
b	N	0
a	N	0
a	N	0
a	N	0
a	N	0
b	N	0
b	N	0

b	N	0
b	N	0
b	N	0
a	N	0
b	N	0
b	N	0
a	N	0
a	N	0
b	N	0
a	N	0
b	N	0
b	N	0
b	N	0
a	N	0
c	N	0
b	N	0
a	N	0
a	N	0
b	N	0
a	N	0
a	N	0
a	N	0
a	N	0
a	N	0
a	N	0
a	N	0
a	N	0
a	N	0
a	N	0
a	N	0
a	N	0
a	N	0
a	N	0
b	N	0
b	N	0

b	N	0
a	N	0
a	N	0
a	N	0
a	N	0
a	N	0
a	N	0
a	N	0
a	N	0
b	N	0
b	N	0
b	N	0
b	N	0
b	N	0
b	N	
b	N	
c	N	0
a	N	0
a	N	0
c	N	
b	N	0
b	N	0
a	N	0
a	N	0
a	N	0
b	N	0
b	N	0
a	N	0
b	N	0
b	N	0
b	N	0
b	N	0
b	N	0

b	N	0
b	N	0
b	N	0
b	N	0
b	N	0
b	N	0
b	N	0
b	N	0
b	N	
b	N	
b	N	
b	N	
b	N	
b	N	
b	N	
a	N	0
a	N	0
a	N	0
a	N	
a	N	
a	N	
a	N	
b	N	
a	N	
c	N	0
c	N	0

214*	215	216a	216b	216c	216d	216e
PhysicalState	LargestContainer	FHCFire	FHCReactive	FHCPressureRelease	FHCAcuteHealth	FHCChronicHealth
b	55	Y	N	N	N	N
b	275	N	N	N	N	N
b	55	N	N	N	N	N
c	300	Y	N	Y	N	N
a	175	N	N	N	N	N
b	55	N	N	N	N	N
b	5	N	N	N	N	N
a	50	N	N	N	N	N
a	40	N	N	N	N	N
b	55	N	N	N	N	N
b	55	N	N	N	N	N
b	445	Y	N	N	N	N
b	275	N	N	N	Y	N
b	55	N	N	N	N	N
a	50	N	N	N	N	N
b	400	N	N	N	Y	N
b	55	N	N	N	N	N
c	300	N	N	N	N	N
b	91800	N	Y	N	Y	N
b	55	N	N	N	N	N
c	300	N	N	Y	Y	N
b	7	Y	N	Y	N	N
b	275	N	N	N	N	N
c	300	N	N	Y	N	N
b	55	N	N	N	N	N
b	500	N	N	Y	N	N
b	55	Y	N	Y	Y	N
a	100	N	N	N	N	N
b	55	N	N	N	N	N
c	300	Y	N	Y	N	N

a	75	N	N	N	N	N
a	55	N	N	N	N	N
b	91800	N	Y	N	Y	N
b	23	N	N	N	N	N
b	120	N	N	N	N	N
b	275	N	N	N	Y	N
b	275	N	N	N	N	N
b	275	N	N	N	N	N
b	50	N	N	N	Y	N
b	5	N	N	N	N	N
b	6600	N	N	N	Y	N
b	45	N	N	N	N	N
b	30	N	N	N	N	N
b	5	N	N	N	N	N
b	30	N	N	N	N	N
b	23	N	N	N	N	N
b	109	N	N	N	N	N
b	8	N	N	N	N	N
b	55	N	N	N	N	N
b	528	N	N	N	N	N
b	55	N	N	N	N	N
a	100	N	N	N	N	N
b	275	N	N	N	Y	N
b	1.3	N	N	N	Y	Y
c	300	N	N	Y	N	N
b	6000	N	N	N	Y	N
b	325	N	N	N	Y	N
b	280	Y	N	N	Y	N
c	300	N	N	Y	Y	N
c	300	Y	N	Y	Y	Y
b	55	N	N	N	N	N
b	5	N	N	N	N	Y
b	80	N	Y	N	Y	N

b	55	N	Y	N	Y	N
b	5500	Y	N	N	Y	N
b	105000	N	Y	Y	Y	Y
b	91800	N	Y	N	Y	N
b	500	N	Y	N	Y	N
b	5000	N	N	N	Y	N
c	270	N	N	Y	N	N
c	300	Y	Y	Y	Y	N
b	6000	N	Y	N	Y	N
c	300	N	Y	Y	Y	N
b	275	N	N	N	N	N
b	275	N	N	N	N	N
b	275	N	N	N	N	N
b	413	Y	Y	Y	Y	Y
a	100	N	N	N	N	N
c	300	N	N	Y	Y	N
c	300	N	N	Y	N	N
c	300	N	N	Y	Y	N
c	300	N	N	Y	N	N
b	7	Y	N	Y	N	N
b	7	Y	N	Y	N	N
b	7	Y	N	Y	N	N
b	7	Y	N	Y	N	N
b	12000	N	N	Y	N	N
b	12000	N	N	Y	N	N
b	12000	N	N	Y	N	N
b	12000	N	N	Y	N	N
b	200	Y	N	N	Y	N
b	200	Y	N	N	Y	N
b	200	Y	N	N	Y	N
b	200	Y	N	N	Y	N
b	275	N	N	N	Y	N
b	275	N	N	N	Y	N

b	275	N	N	N	Y	N
c	40000	N	N	Y	Y	N
c	40000	N	N	Y	Y	N
c	40000	N	N	Y	Y	N
c	40000	N	N	Y	Y	N
c	300	N	N	Y	Y	N
c	300	N	N	Y	Y	N
c	300	N	N	Y	Y	N
c	300	N	N	Y	Y	N
c	300	N	N	Y	N	N
b	2.16	N	N	N	Y	Y
b	2.16	N	N	N	Y	Y
b	2.16	N	N	N	Y	Y
b	2.16	N	N	N	Y	Y
b	317	N	N	N	Y	N
b	55	N	N	N	Y	N
a	55	Y	N	N	N	N
a	175	N	N	N	N	N
a	175	N	N	N	N	N
b	55	N	N	N	N	N
b	275	N	N	N	N	N
c	300	N	N	Y	N	N
b	17171	Y	N	N	N	N
b	17171	Y	N	N	N	N
b	17171	Y	N	N	N	N
c	300	N	N	Y	N	N
c	300	N	N	Y	N	N
b	17171	Y	N	N	N	N
c	300	N	N	Y	N	N
c	300	N	N	Y	N	N
c	300	N	N	Y	N	N
c	300	N	N	Y	N	N
b	12000	N	N	N	N	N

b	12000	N	N	N	N	N
b	12000	N	N	N	N	N
b	12000	N	N	N	N	N
b	14	N	N	N	N	N
b	14	N	N	N	N	N
b	110	N	N	N	N	N
b	110	N	N	N	N	N
b	110	N	N	N	N	N
b	110	N	N	N	N	N
b	317	N	N	N	Y	N
b	317	N	N	N	Y	N
b	317	N	N	N	Y	N
b	275	N	N	N	N	N
b	275	N	N	N	Y	N
b	275	N	N	N	N	N
b	275	N	N	N	Y	N
a	50	N	N	N	N	N
a	175	N	N	N	N	N
b	75	N	Y	N	Y	N
a	50	N	N	N	N	N
a	50	N	N	N	N	N
a	50	N	N	N	N	N
a	50	N	N	N	N	N
b	5	N	N	N	N	N
b	55	N	N	N	N	N
a	55	Y	N	N	N	N
a	75	N	N	N	N	N

216f	216g	216h	216i	216j	216k
FHCPhysicalFlammable	FHCPhysicalGasUnderPr	FHCPhysicalExplosive	FHCPhysicalSelfHeating	FHCPhysicalPyrophoric	FHCPhysicalOxidizer

Fire Hazard Category Information					
216l	216m	216n	216o	216p	216q
FHCPhysicalOrganicPerc	FHCPhysicalSelfReactive	FHCPhysicalPyrophoric(	FHCPhysicalCorrosiveTo	FHCPhysicalContactWat	FHCPhysicalCombustible

216r	216s	216t	216u	216v	216w
FHCPhysicalHazardNotC	FHCHealthCarcinogenici	FHCHealthAcuteToxicity	FHCHealthReproductive	FHCHealthSkinCorrosio	FHCHealthRespiratorySl

216x	216y	216z	216aa	216bb	216cc
FHCHealthSeriousEyeDa	FHCHealthSpecificTarge	FHCHealthAspirationHa	FHCHealthGermCellMut	FHCHealthSimpleAsphy	FHCHealthHazardNotOt

217	218*	219	220	221*	222
AverageDailyAmount	MaximumDailyAmount	AnnualWasteAmount	StateWasteCode	Units	DaysOnSite
55	165			a	365
200	250			a	365
110	220			a	365
500	600			b	365
150	175			c	365
55	110			a	365
55	55			a	365
3000	5000			c	365
600	1000			c	365
55	55			a	365
45	55			a	365
200	445	2000	221	a	365
200	500			a	365
110	220			a	365
100	500			c	365
250	400			a	365
990	1375			a	365
800	1600			b	365
7650	26010			c	365
55	110			a	365
3600	7200			b	365
35	56			a	365
275	750			a	365
600	1200			b	365
55	110			a	365
500	1000			c	365
220	440			a	365
50	100	300		c	365
110	160			a	365
600	1200			b	365

125	250	330 792	c	365
25	55	55	a	365
55080	78030		c	365
175	184		a	365
450	480		a	365
200	250	0	a	365
1200	2200	0	a	365
200	275	0	a	365
400	1000	0	c	365
40	55		a	365
4500	6000		a	365
160	180		a	365
100	120		a	365
25	55		a	365
100	120		a	365
175	184		a	365
200	218		a	365
50	56		a	365
220	275		a	365
2000	2112		a	365
55	55		a	365
50	200	200	c	365
825	2250		a	365
100	120	792	a	365
2880	3600		b	365
4500	6000		a	365
200	325		a	365
210	252		a	365
600	1200		b	365
1800	2400		b	365
110	220		a	365
120	160		a	365
50	80		a	365

35	55		a	365
6000	11000		a	365
150345	200460	122	c	365
55080	78030		c	365
250	500		a	365
3000	5000		a	365
1620	1620		c	365
300	300		b	365
4500	6000		a	365
500	700		b	365
300	550		a	365
500	1250		a	365
200	275		a	365
826	1652	122	c	365
50	100	300	c	365
3600	7200		b	365
4000	7600		b	365
1800	3600		b	365
6720	8400		b	365
10	14	0	a	365
10	14	0	a	365
10	14	0	a	365
10	14	0	a	365
9600	12000		c	365
9600	12000		c	365
9600	12000		c	365
9600	12000		c	365
150	180		a	365
150	180		a	365
150	180		a	365
150	180		a	365
110	110		a	365
110	110		a	365

220	275		a	365
32000	40000		b	365
32000	40000		b	365
32000	40000		b	365
32000	40000		b	365
300	600		b	365
300	600		b	365
300	600		b	365
300	600		b	365
240	300		b	365
288	320	792	a	365
288	320	792	a	365
288	320	792	a	365
288	320	792	a	365
180	285		a	365
55	110		a	365
55	55	165 223	a	365
150	175		c	365
150	175		c	365
55	165	825 223	a	365
200	275		a	365
240	300		b	365
26008	26008		a	365
26008	26008		a	365
26008	26008		a	365
240	300		b	365
240	300		b	365
26008	26008		a	365
450	600		b	365
450	600		b	365
450	600		b	365
450	600		b	365
9360	10530		a	365

9360	10530		a	365
9360	10530		a	365
9360	10530		a	365
25	28		a	365
25	28		a	365
100	110		a	365
100	110		a	365
100	110		a	365
100	110		a	365
180	285		a	365
180	285		a	365
180	285		a	365
150	200		a	365
200	250		a	365
150	275		a	365
150	250		a	365
1200	2700		c	365
1200	2700		c	365
300	600		c	365
25	750		c	365
25	50		c	365
25	50		c	365
50	300		c	365
40	55	0	a	365
495	1100		a	365
55	220	660 223	a	365
125	850	500 792	c	365

223a	223b	223c	223d	223e	223f	223g
SCAboveGroundTank	**SCUnderGroundTank**	**SCTankInsideBuilding**	**SCSteelDrum**	**SCPlasticNonMetallicDrum**	**SCCan**	**SCCarboy**
N	N	N	Y	N	N	N
N	N	N	N	N	N	N
N	N	N	Y	N	N	N
N	N	N	N	N	N	N
N	N	N	N	Y	N	N
N	N	N	N	Y	N	N
N	N	N	N	N	N	N
N	N	N	N	N	N	N
N	N	N	N	N	N	N
N	N	N	N	Y	N	N
N	N	N	Y	N	N	N
Y	N	N	Y	N	N	N
N	N	N	N	N	N	N
N	N	N	Y	N	N	N
N	N	N	N	N	N	N
N	N	N	N	N	N	N
N	N	N	Y	N	N	N
N	N	N	N	N	N	N
Y	N	N	N	N	N	N
N	N	N	N	Y	N	N
N	N	N	N	N	N	N
N	N	N	N	N	N	N
N	N	N	N	N	N	N
N	N	N	N	N	N	N
N	N	N	N	Y	N	N
N	N	N	N	N	N	N
N	N	N	Y	N	N	N
N	N	N	N	N	N	N
N	N	N	N	Y	N	N
N	N	N	N	N	N	N

N	N	N	N	Y	N	N
N	N	N	Y	N	N	N
Y	N	N	N	N	N	N
N	N	N	N	N	N	N
Y	N	N	N	N	N	N
N	N	N	N	N	N	N
N	N	N	N	N	N	N
N	N	N	N	N	N	N
N	N	N	N	Y	N	N
N	N	N	N	N	N	N
Y	N	N	N	N	N	N
Y	N	N	N	N	N	N
N	N	N	N	N	N	N
N	N	N	N	N	N	N
N	N	N	N	N	N	N
N	N	N	N	N	N	N
Y	N	N	N	N	N	N
N	N	N	N	N	N	N
N	N	N	Y	N	N	N
Y	N	N	N	N	N	N
N	N	N	Y	N	N	N
N	N	N	N	N	N	N
Y	N	N	N	N	N	N
N	N	N	N	N	N	N
N	N	N	N	N	N	N
Y	N	N	N	N	N	N
N	N	N	N	N	N	N
N	N	Y	N	N	N	N
N	N	N	N	N	N	N
N	N	N	N	N	N	N
N	N	N	Y	N	N	N
N	N	N	N	N	N	N
Y	N	N	N	N	N	N

N	N	N	N	Y	N	N
Y	N	N	N	N	N	N
Y	N	N	N	N	N	N
Y	N	N	N	N	N	N
N	N	Y	N	N	N	N
Y	N	N	N	N	N	N
N	N	N	N	N	N	N
N	N	N	N	N	N	N
Y	N	N	N	N	N	N
N	N	N	N	N	N	N
N	N	N	N	N	N	N
N	N	N	N	N	N	N
N	N	N	N	N	N	N
Y	N	N	N	Y	N	N
N	N	N	N	N	N	N
N	N	N	N	N	N	N
N	N	N	N	N	N	N
N	N	N	N	N	N	N
N	N	N	N	N	N	N
N	N	N	N	N	N	N
N	N	N	N	N	N	N
N	N	N	N	N	N	N
N	N	N	N	N	N	N
N	N	N	N	N	N	N
Y	N	N	N	N	N	N
Y	N	N	N	N	N	N
Y	N	N	N	N	N	N
Y	N	N	N	N	N	N
N	N	Y	N	N	N	N
N	N	Y	N	N	N	N
N	N	Y	N	N	N	N
N	N	Y	N	N	N	N
N	N	N	N	Y	N	N
N	N	N	N	Y	N	N

N	N	N	N	Y	N	N
N	N	N	N	N	N	N
N	N	N	N	N	N	N
N	N	N	N	N	N	N
N	N	N	N	N	N	N
N	N	N	N	N	N	N
N	N	N	N	N	N	N
N	N	N	N	N	N	N
N	N	N	N	N	N	N
N	N	N	N	N	N	N
N	N	N	N	N	N	N
N	N	N	N	N	N	N
N	N	N	N	N	N	N
N	N	N	N	N	N	N
N	N	Y	N	N	N	N
N	N	Y	N	N	N	N
N	N	N	Y	N	N	N
N	N	N	N	Y	N	N
N	N	N	N	Y	N	N
N	N	N	Y	N	N	N
N	N	N	N	N	N	N
N	N	N	N	N	N	N
Y	N	N	N	N	N	N
Y	N	N	N	N	N	N
Y	N	N	N	N	N	N
N	N	N	N	N	N	N
N	N	N	N	N	N	N
Y	N	N	N	N	N	N
N	N	N	N	N	N	N
N	N	N	N	N	N	N
N	N	N	N	N	N	N
N	N	N	N	N	N	N
Y	N	N	N	N	N	N

Y	N	N	N	N	N	N
Y	N	N	N	N	N	N
Y	N	N	N	N	N	N
N	N	N	N	N	N	N
N	N	N	N	N	N	N
Y	N	N	N	N	N	N
Y	N	N	N	N	N	N
Y	N	N	N	N	N	N
Y	N	N	N	N	N	N
N	N	Y	N	N	N	N
N	N	Y	N	N	N	N
N	N	Y	N	N	N	N
N	N	N	N	N	N	N
N	N	N	N	N	N	N
N	N	N	N	N	N	N
N	N	N	N	N	N	N
N	N	N	N	N	N	N
N	N	N	N	N	N	N
N	N	N	N	N	N	N
N	N	N	N	N	N	N
N	N	N	N	Y	N	N
N	N	N	N	Y	N	N
N	N	N	N	Y	N	N
N	N	N	N	Y	N	N
N	N	N	N	N	N	N
N	N	N	Y	N	N	N
N	N	N	Y	N	N	N
N	N	N	N	Y	N	N

Storage Container Information*								
223h	223i	223j	223k	223l	223m	223n	223o	223p
SCSilo	SCFiberDrum	SCBag	SCBox	SCCylinder	SCGlassBottle	SCPlasticBottle	SCToteBin	SCTankTruckTankWagon
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	Y	N
N	N	N	N	N	N	N	N	N
N	N	N	N	Y	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	Y	N	N	N	N	N	N
N	N	Y	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	Y	N
N	N	N	N	N	N	N	N	N
N	N	Y	N	N	N	N	N	N
N	N	N	N	N	N	N	Y	N
N	N	N	N	N	N	N	N	N
N	N	N	N	Y	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	Y	N	N	N	N
N	N	N	N	Y	N	N	N	N
N	N	N	N	N	N	N	Y	N
N	N	N	N	Y	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	Y	N	N	N	N
N	N	N	N	N	N	N	N	N
N	Y	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	Y	N	N	N	N

N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	Y	N
N	N	N	N	N	N	N	Y	N
N	N	N	N	N	N	N	Y	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	Y	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	Y	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	Y	N
N	N	N	N	N	N	N	N	N
N	N	N	N	Y	N	N	N	N
N	N	N	N	Y	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N

N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	Y	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	Y	N	N	N	N
N	N	N	N	N	N	N	Y	N
N	N	N	N	N	N	N	Y	N
N	N	N	N	N	N	N	Y	N
N	N	N	N	N	N	N	N	N
N	Y	N	N	N	N	N	N	N
N	N	N	N	Y	N	N	N	N
N	N	N	N	Y	N	N	N	N
N	N	N	N	Y	N	N	N	N
N	N	N	N	Y	N	N	N	N
N	N	N	N	Y	N	N	N	N
N	N	N	N	Y	N	N	N	N
N	N	N	N	Y	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N

N	N	N	N	N	N	N	N	N
N	N	N	N	Y	N	N	N	N
N	N	N	N	Y	N	N	N	N
N	N	N	N	Y	N	N	N	N
N	N	N	N	Y	N	N	N	N
N	N	N	N	Y	N	N	N	N
N	N	N	N	Y	N	N	N	N
N	N	N	N	Y	N	N	N	N
N	N	N	N	Y	N	N	N	N
N	N	N	N	Y	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	Y	N
N	N	N	N	Y	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	Y	N	N	N	N
N	N	N	N	Y	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	Y	N	N	N	N
N	N	N	N	Y	N	N	N	N
N	N	N	N	Y	N	N	N	N
N	N	N	N	Y	N	N	N	N
N	N	N	N	N	N	N	N	N

N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	Y	N
N	N	N	N	N	N	N	Y	N
N	N	N	N	N	N	N	Y	N
N	N	N	N	N	N	N	Y	N
N	N	Y	N	N	N	N	N	N
N	N	Y	N	N	N	N	N	N
N	N	N	N	N	N	Y	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N

223q	223r	223r-1	224	225	226	227
SCTankCarRailCar	SCOther	OtherStorageContainer	StoragePressure	StorageTemperature	HC1PercentByWeight	HC1Name
N	N		a	a		PHOSPHOROD
N	N		a	a		
N	N		a	a		
N	N		b	a	80.00	METHANE
N	N		a	a		
N	N		a	a		
N	Y	PAIL	a	a		
N	N		a	a		
N	N		a	a		
N	N		a	a	5.00	TRIETHANOLAI
N	N		a	a	85.00	HYDROGENATE
N	N		a	a	10.00	USED OIL -PETI
N	N		a	a	7.00	MAGNESIUM N
N	N		a	a		
N	N		a	a		
N	N		a	a	30.00	ALIPHATIC HYD
N	N		a	a		
N	N		b	a		
N	N		a	a		
N	N		a	a	5.00	TRIETHANOLAI
N	N		b	a		
N	N		b	a		
N	N		a	a	40.00	SODIUM META
N	N		b	a		
N	N		a	a	20.00	CITRIC ACID
N	N		b	a		Carbon Dioxide
N	N		a	a		
N	N		a	a		
N	N		a	a	15.00	SODIUM HYDR
N	N		b	a		

N	N		a	a		Sulfuric Acid
N	N		b	a		
N	N		a	a		
N	Y	GEAR BOX	a	a		
N	N		a	a		
N	N		a	a	40.00	SODIUM META
N	N		a	a		SODIUM HYDR
N	N		a	a	11.00	SODIUM CHLO
N	N		a	a	5.00	SODIUM TRIM
N	Y	PAIL	a	a		
N	N		a	a	12.00	SODIUM HYPO
N	N		a	a		
N	Y	BEARING SUMP	a	a		
N	Y	PAIL	a	a		
N	Y	BEARING SUMP	a	a		
N	Y	GEAR BOX	a	a		
N	N		a	a		
N	Y	COMP SUMP	a	a		
N	N		a	a		
N	N		a	a		
N	N		a	a		
N	Y	PALLET BOX	a	a		
N	N		a	a	30.00	ALIPHATIC HYD
N	Y	BATTERY CASE	a	a	40.00	SULFURIC ACID
N	N		b	a	99.00	NITROGEN
N	N		a	a	12.00	SODIUM HYPO
N	N		a	a	25.00	SODIUM HYDR
N	N		a	a		
N	N		b	a		
N	N		b	a		
N	N		a	a		
N	Y	PAIL	a	a		
N	N		a	a	15.00	SODIUM HYDR

N	N		a	a	20.00	CITRIC ACID
N	N		a	a	32.00	ALUMINUM SU
N	N		a	a		
N	N		a	a		
N	N		a	a	25.00	SODIUM HYDR
N	N		a	a	29.00	CALCIUM CHLC
N	Y	BREAKER	b	a		
N	N		b	a		
N	N		a	a	12.00	SODIUM HYPO
N	N		b	a		
N	N		a	a	1.00	SODIUM CHLO
N	N		a	a		
N	N		a	a		
N	N		a	a		
N	N		a	a		
N	N		b	a		
N	N		b	a		
N	N		b	a		
N	N		b	a	79.00	NITROGEN
N	N		b	a		
N	N		b	a		
N	N		b	a		
N	N		b	a		
N	N		b	a		Carbon Dioxide
N	N		b	a		Carbon Dioxide
N	N		b	a		Carbon Dioxide
N	N		b	a		Carbon Dioxide
N	N		a	a		
N	N		a	a		
N	N		a	a		
N	N		a	a		
N	N		a	a	2.00	2-(2-BUTOXY)E
N	N		a	a	2.00	2-(2-BUTOXY)E

N	N		a	a	2.00	2-(2-BUTOXY)E
N	N		b	a		
N	N		b	a		
N	N		b	a		
N	N		b	a		
N	N		b	a		
N	N		b	a		
N	N		b	a		
N	N		b	a		
N	N		b	a	99.00	NITROGEN
N	Y	BATTERY CASE	a	a	40.00	SULFURIC ACID
N	Y	BATTERY CASE	a	a	40.00	SULFURIC ACID
N	Y	BATTERY CASE	a	a	40.00	SULFURIC ACID
N	Y	BATTERY CASE	a	a	40.00	SULFURIC ACID
N	N		a	a	15.00	AMMONIUM H
N	N		a	a	15.00	AMMONIUM H
N	N		a	a	10.00	USED OIL
N	N		a	a		
N	N		a	a		
N	N		a	a	100.00	Waste Petroleu
N	N		a	a		
N	N		b	a	99.00	NITROGEN
N	N		a	a		
N	N		a	a		
N	N		a	a		
N	N		b	a	99.00	NITROGEN
N	N		b	a	99.00	NITROGEN
N	N		a	a		
N	N		b	a	79.00	NITROGEN
N	N		b	a	79.00	NITROGEN
N	N		b	a	79.00	NITROGEN
N	N		b	a	79.00	NITROGEN
N	N		a	a		

N	N		a	a		
N	N		a	a		
N	N		a	a		
N	Y	COMP SUMP	a	a		
N	Y	COMP SUMP	a	a		
N	N		a	a		
N	N		a	a		
N	N		a	a		
N	N		a	a		
N	N		a	a	15.00	AMMONIUM H
N	N		a	a	15.00	AMMONIUM H
N	N		a	a	15.00	AMMONIUM H
N	N		a	a	95.00	Alkyl Alcohol E
N	N		a	a	20.00	Phosphonic Ac
N	N		a	a	95.00	Alkyl Alcohol E
N	N		a	a	20.00	Phosphonic Ac
N	N		a	a		
N	N		a	a		
N	N		a	a		
N	N		a	a		
N	N		a	a		
N	N		a	a		
N	N		a	a		
N	Y	5 gallon pail	a	a	60.00	ORGANIC ACID
N	N		a	a	99.00	Distillates, Petr
N	N		a	a	10.00	USED OIL
N	N		a	a	40.00	Sulfuric Acid

						Hazardous Component Information			
228	229	230	231	232	233	234	235	236	237
HC1EHS	HC1CAS	HC2PercentByWeight	HC2Name	HC2EHS	HC2CAS	HC3PercentByWeight	HC3Name	HC3EHS	HC3CAS
N	68649-42-3			N				N	
N				N				N	
N				N				N	
N	74-82-8			N				N	
N				N				N	
N				N				N	
N				N				N	
N				N				N	
N				N				N	
N	102-71-6	1.00	ETHOXYLATED	N	PROPRIETAR	1.00	PROPYLENE GL	N	5131-66-8
N	64742-54-7	1.00	POLY ESTER SY	N	68515-49-1			N	
N	64742-65-0			N				N	
N	10377-60-3	1.10	5-CHLORO-2-M	N	26172-55-4	5.00	MAGNESIUM C	N	7786-30-3
N				N				N	
N				N				N	
N	254504001-!	5.00	ETHOXYLATED	N	127087-87-0			N	
N				N				N	
N				N				N	
N				N				N	
N	102-71-6	1.00	ETHOXYLATED	N	PROPRIETAR	1.00	PROPYLENE GL	N	5131-66-8
N				N				N	
N				N				N	
N	7681-57-4			N				N	
N				N				N	
N	77-92-9	20.00	FORMIC ACID	N	64-18-6			N	
N	124-38-9		Nitrous Oxide	N	10024-97-2			N	
N				N				N	
N				N				N	
N	1310-73-2	11.00	SODIUM SULFI	N	7757-83-7			N	
N				N				N	

N	7664-93-9			N				N		
N				N				N		
N				N				N		
N				N				N		
N				N				N		
N	7681-57-4			N				N		
N	1310-73-2	4.00	TETRASODIUM	N	64-02-8			TRISODIUM NI	N	5064-31-3
N	7647-14-5			N				N		
N	7785-84-4	30.00	ETHYLENEDIAM	N	64-02-8	10.00		DODECYLBENZ	N	25155-30-0
N				N				N		
N	7681-52-9			N				N		
N				N				N		
N				N				N		
N				N				N		
N				N				N		
N				N				N		
N				N				N		
N				N				N		
N				N				N		
N				N				N		
N				N				N		
N				N				N		
N				N				N		
N	254504001-!	5.00	ETHOXYLATED	N	127087-87-0				N	
Y	7664-93-9			N					N	
N	7727-37-9	1.00	NITRIC OXIDE	N	10102-44-0				N	
N	7681-52-9			N					N	
N	1310-73-2	75.00	WATER	N	7732-18-5				N	
N				N					N	
N				N					N	
N				N					N	
N				N					N	
N				N					N	
N	1310-73-2	11.00	SODIUM SULFI	N	7757-83-7				N	

N	77-92-9	20.00	FORMIC ACID	N	64-18-6			N		
N	10043-01-3			N				N		
N				N				N		
N				N				N		
N	1310-73-2	75.00	WATER	N	7732-18-5			N		
N	10043-52-4			N				N		
N				N				N		
N				N				N		
N	7681-52-9			N				N		
N				N				N		
N	7647-14-5			N				N		
N				N				N		
N				N				N		
Y				N				N		
N				N				N		
N				N				N		
N				N				N		
N				N				N		
N	7727-37-9	1.00	NITRIC OXIDE	N	10102-43-9	1.00	CARBON MON	N	630-08-0	
N				N				N		
N				N				N		
N				N				N		
N				N				N		
N	124-38-9		Nitrous Oxide	N	10024-97-2			N		
N	124-38-9		Nitrous Oxide	N	10024-97-2			N		
N	124-38-9		Nitrous Oxide	N	10024-97-2			N		
N	124-38-9		Nitrous Oxide	N	10024-97-2			N		
N				N				N		
N				N				N		
N				N				N		
N				N				N		
N	112-34-5			N				N		
N	112-34-5			N				N		

N	112-34-5			N				N			
N				N				N			
N				N				N			
N				N				N			
N				N				N			
N				N				N			
N				N				N			
N				N				N			
N				N				N			
N				N				N			
N	7727-337-9	1.00	NITRIC OXIDE	N	10102-44-0			N			
Y	7664-93-9			N				N			
Y	7664-93-9			N				N			
Y	7664-93-9			N				N			
Y	7664-93-9			N				N			
Y	1336-21-6	10.00	MONOETHANO	N	141-43-5						
Y	1336-21-6	10.00	MONOETHANO	N	141-43-5						
N	8012-95-1			N				N			
N				N				N			
N				N				N			
N	Mixture										
N				N				N			
N	7727-337-9	1.00	NITRIC OXIDE	N	10102-44-0			N			
N				N				N			
N				N				N			
N				N				N			
N	7727-337-9	1.00	NITRIC OXIDE	N	10102-44-0			N			
N	7727-337-9	1.00	NITRIC OXIDE	N	10102-44-0			N			
N				N				N			
N	7727-37-9	1.00	NITRIC OXIDE	N	10102-43-9	1.00	CARBON MON	N	630-08-0		
N	7727-37-9	1.00	NITRIC OXIDE	N	10102-43-9	1.00	CARBON MON	N	630-08-0		
N	7727-37-9	1.00	NITRIC OXIDE	N	10102-43-9	1.00	CARBON MON	N	630-08-0		
N	7727-37-9	1.00	NITRIC OXIDE	N	10102-43-9	1.00	CARBON MON	N	630-08-0		
N				N				N			

N				N					N	
N				N					N	
N				N					N	
N				N					N	
N				N					N	
N				N					N	
N				N					N	
N				N					N	
N				N					N	
Y	1336-21-6	10.00	MONOETHANO	N	141-43-5					
Y	1336-21-6	10.00	MONOETHANO	N	141-43-5					
Y	1336-21-6	10.00	MONOETHANO	N	141-43-5					
N	68002-96-0									
N	34690-00-1	5.00	Hydrochloric A	N	7647-01-0	5.00	Phosphonic Ac	N	13598-36-2	
N	68002-96-0									
N	34690-00-1	5.00	Hydrochloric A	N	7647-01-0	5.00	Phosphonic Ac	N	13598-36-2	
N				N					N	
N				N					N	
N				N					N	

N	254504001-!	5.00	(OH-ET)ETHYLENEDIAMINE		139-89-9					
N	64742-53-6	1.00	2, 6-Di-t-butyl-p-cresol (BH		128-37-0					
N	8012-95-1			N					N	
Y	7664-93-9			N					N	

238	239	240	241	242	243	244	245
HC4PercentByWeight	**HC4Name**	**HC4EHS**	**HC4CAS**	**HC5PercentByWeight**	**HC5Name**	**HC5EHS**	**HC5CAS**
		N				N	
		N				N	
		N				N	
		N				N	
		N				N	
		N				N	
		N				N	
		N				N	
		N				N	
1.00	TETRAPOTASSI	N	7320-34-5	1.00	SODIUM SILICA	N	1344-09-8
		N				N	
		N				N	
0.40	2-METHYL-4-IS	N	2682-20-4	0.20	CUPRIC NITRA	N	3251-23-8
		N				N	
		N				N	
		N				N	
		N				N	
		N				N	
		N				N	
1.00	TETRAPOTASSI	N	7320-34-5	1.00	SODIUM SILICA	N	1344-09-8
		N				N	
		N				N	
		N				N	
		N				N	
		N				N	
		N				N	
		N				N	
		N				N	
		N				N	
		N				N	

		N				N	
		N				N	
		N				N	
		N				N	
		N				N	
		N				N	
	WATER	N	7732-18-5			N	
		N				N	
10.00	TETRASODIUM	N	7722-88-5	60.00	INORGANIC SA	N	254504001-!
		N				N	
		N				N	
		N				N	
		N				N	
		N				N	
		N				N	
		N				N	
		N				N	
		N				N	
		N				N	
		N				N	
		N				N	
		N				N	
		N				N	
		N				N	
		N				N	
		N				N	
		N				N	
		N				N	
		N				N	
		N				N	
		N				N	
		N				N	
		N				N	

N N
N N
N N
N N
N N
N N
N N
N N
N N
N N
N N
N N
N N
N N
N N
N N
N N
N N
N N
N N
N N
N N
N N
N N
N N
N N
N N
N N
N N
N N
N N
N N
N N
N N
N N
N N
N N
N N
N N
N N
N N
N N
N N
N N
N N
N N

N	N
N	N
N	N
N	N
N	N
N	N
N	N
N	N
N	N
N	N
N	N
N	N
N	N
N	N
N	N
N	N
N	N
N	N
N	N
N	N
N	N
N	N
N	N
N	N
N	N
N	N
N	N
N	N
N	N
N	N

N
N
N
N
N
N
N
N
N

N
N
N

N
N

N
N
N
N
N
N
N
N
N

N
N
N

N
N

246	247	250	251	252
ChemicalDescriptionComment	AdditionalMixtureComponents	CCLID	USEPASRSNumber	DOTHazardClassificationID
			157586	
			480269	
			153858	
				9
				9
			3228	
				8
				2.2
				8
				6.1
				2.1
			150169	2.2
				2.2
				3
				8
			65052	2.3

	8
	8
	8
	9
5035	
	8
	8
	8
	8
	3
150169	2.2
65052	2.3
	8

8
8
8
9
2.2
2.1
8
2.1
9

8

6.1
6.1
6.1

2.1
2.1
2.1
2.1
2.2
2.2
2.2
2.2
3
3
3
3

	6.1
	6.1
	6.1
	6.1
	6.1
	6.1
	6.1
	6.1
	8
	8
	8
	8
	8
	8
480269	
480269	
	9
	3
	3
	3
	3

8
8
8
8
8
480269
480269
8
203091
203091
203091
203091
8
8