

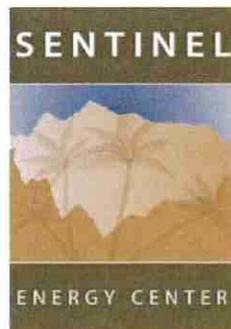
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**SENTINEL ENERGY CENTER 07-AFC-3C  
ANNUAL COMPLIANCE REPORT – NUMBER 6  
REPORTING PERIOD: SEPTEMBER 1, 2018 – AUGUST 31, 2019**

Prepared for

**CALIFORNIA ENERGY COMMISSION**  
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2019



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## LIST OF ACRONYMS

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ACR	Annual Compliance Report
AER	Annual Emission Report
AFY	acre-feet per year
APEP	Annual Permit Emission Program
AVR	automatic voltage regulators
CARB	California Air Resources Board
CEC	California Energy Commission
CEMS	Continuous Emissions Monitoring Systems
CO	carbon dioxide
COCs	conditions of certification
CPM	Compliance Project Manager
DEH	Department of Environmental Health
DOE	Department of Energy
DWA	Desert Water Agency
EIA	Energy Information Administration
EPA	Environmental Protection Agency
GHG	greenhouse gas
NERC	North American Electric Reliability Corporation
NOV	Notice of Violation
NOx	oxides of nitrogen
NSPS	new source performance standards
NTC	Notice to Comply
PSNGC	Palm Springs National Golf Course
PSS	power system stabilizer
PW	production well
QCER	Quarterly Certification of Emissions Report
RATA	Relative Accuracy Test Audit
RCDEH	Riverside County Department of Environmental Health
RECLAIM	Regional Clean Air Incentives Market
RTCs	RECLAIM Trading Credits
RTU	remote terminal unit
RWQCB	Regional Water Quality Control Board
SCAQMD	South Coast Air Quality Management District
SCE	Southern California Edison
SF6	sulfur hexafluoride

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## LIST OF ACRONYMS (CONT.)

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SWPPP	Stormwater Pollution Prevention Plan
US	United States
WEAP	Worker Environmental Awareness Program
ZLD	zero-liquid discharge

## **1 COMPLIANCE MATRIX**

An updated copy of the California Energy Commission (CEC) Compliance Matrix is included in Attachment 1. As requested, fully satisfied conditions of certification (COCs) are not included in the Matrix after they have been reported complete.

## **2 CURRENT PROJECT OPERATING STATUS**

The Sentinel Energy Center (Sentinel) facility is operating normally and there were no significant changes to the facility operations during the reporting period.

## **3 REQUIRED DOCUMENTS SUBMITTED WITH THIS REPORT**

This Section describes all of the condition-specific documents required to be submitted along with this Annual Compliance Report (ACR).

### **3.1 AIR QUALITY**

AQ-16 requires Sentinel to include evidence of sufficient Regional Clean Air Incentives Market (RECLAIM) Trading Credits (RTCs) in the ACR. Evidence of annual RTCs is included in Attachment 2.

### **3.2 BIOLOGICAL RESOURCES**

BIO-2 states “if actions may affect biological resources during operation, a Designated Biologist shall be available for monitoring and reporting. During project operation, the Designated Biologist shall submit record summaries in the Annual Compliance Report unless their duties are ceased as approved by the Compliance Project Manager (CPM).” Per verification requirements of BIO-2, an annual summary report for biological resources is included as Attachment 3 to this ACR. There were no issues of concern pertaining to biological resources during this reporting year. The Designated Biologist concurs that there were no biological issues of concern during the reporting period (2018/2019) and that the Biological Resources Mitigation Implementation and Monitoring Plan (BRMIMP) was adhered to. All new on-site employees during this reporting year completed the Worker Environmental Awareness Program (WEAP) training. WEAP sign-in sheets are also included in Attachment 3.

### **3.3 HAZARDOUS MATERIALS**

In accordance with the HAZ-1 ACR requirements, the list of hazardous materials used at the facility is included in Attachment 4.

In accordance with the HAZ-9 ACR requirement:

- Sentinel owners conduct background investigations as part of their initial hiring process for each employee. Background investigations are restricted to determine the accuracy of employee identity and employment history and conducted in accordance with all state and federal laws regarding security and privacy (Attachment A of the Operations Security Plan).
- Sentinel requires each permanent contractor, technical contractor or hazardous materials transport vendor (“Contractor”), who works on critical components to provide a signed statement (Attachment B of the Operations Security Plan) that they have conducted a background investigation on employees directed to Sentinel Energy.
- Sentinel requires owners or authorized representative of hazardous materials transport vendors to provide a signed statement (Attachment C of the Operations Security Plan) that they have conducted employee background investigations in accordance with Title 49 Code of Federal Regulations Part 1572, subparts A and B.

### **3.4 WASTE MANAGEMENT**

Sentinel is in compliance with WASTE-11. Copies of manifests for all wastes transported off-site, a listing of all liquid and solid waste transported off-site, and actual volumes of waste hauled off-site, as documented in the waste manifests, are included in Attachment 5. There were no deviations from those methods provided in the Operation Waste Management Plan.

### **3.5 SOIL AND WATER RESOURCES**

#### **3.5.1 SOIL&WATER-3: Project Groundwater Wells**

There were no changes to either the construction or operation of the two groundwater production wells (PW), PW-1 and PW-2, during the reporting period. Water well monitoring reports are not required by the County of Riverside; thus, no monitoring reports were prepared.

### **3.5.2 SOIL&WATER-4: Stormwater NPDES Permit**

Soil&Water-4 requires the facility to comply with the requirements of the general NPDES permit for discharges of stormwater associated with industrial activity. Sector O of the Environmental Protection Agency's Multi-Sector General Permit (MSGP) for Steam Electric Generating facilities is narrative in nature and not based strictly on the facility's Standard Industrial Classification (SIC) code. California's implementation of the NPDES program resulted in a Statewide Stormwater Industrial General Permit that is applicable for "Steam Electric Power Generating Facilities" only. As gas turbines do not produce electricity through steam, they are not covered by the general permit and are not required to obtain authorization for the discharge of stormwater. Consequently, the facility submitted a Notice of Termination (NOT) to the Colorado River Basin Regional Water Quality Control Board that became effective 13 March 2015.

### **3.5.3 SOIL&WATER-5: Potable Water Use**

In accordance with the reporting requirements described in SOIL&WATER-5, a summary of the amount of potable water used at the facility is included in Attachment 6. The summary includes the monthly range and monthly average of daily water usage in cubic feet per month, and total water used on a monthly and annual basis in acre-feet.

### **3.5.4 SOIL&WATER-7: Mitigation of Energy Use Impacts on Private Wells**

In accordance with SOIL&WATER-6, Sentinel completed an Evaluation of Impacts to private wells (April 2011). The report concluded that there were no impacts to private wells; thus, no payments or reimbursements to private well owners is required.

### **3.5.5 SOIL&WATER-8: Non-Potable Water Usage Requirements**

Per SOIL&WATER-8, an annual summary which includes identification of the wells used, daily groundwater usage in gallons per day, maximum and minimum daily usage by month and year, and total volume of groundwater used on a monthly and annual basis in acre-feet is included in Attachment 7.

### **3.5.6 SOIL&WATER-10: Groundwater Recharge**

Attachment 8 provides an accounting of cumulative water recharged on a monthly basis per SOIL&WATER-10.

### **3.5.7 SOIL&WATER-12: Zero Liquid Discharge System Requirements – Status Report**

Maintenance activities were conducted in June 2019 and included the following:

- Crystallizer recirculation pump seals and spool pieces replaced

There is no long-term (or interim) storage of wastewater at the Sentinel facility. All wastewater is accumulated in the Wastewater Tank, then processed by the zero-liquid discharge (ZLD) system until the water is ready for reuse, then returned to service. The monthly volumes of residual salt cake generated is shown in Attachment 9. The results from the 2017 annual sampling of the waste solids satisfied the criteria of non-hazardous solid waste, and was accepted by the Riverside County Department of Waste Resources. The Approval Letter (included in Attachment 9.) will stay in effect as long as there is no operational change that could alter the composition/characteristic of the waste stream.

The ZLD system is operating within the parameters described in the August 2013 ZLD Management Plan, and has not been the subject of any major unplanned maintenance issues, nor any issues that require the system be taken out of service for a repair. There have been no disruptions in the service of this system since the beginning of its operation. Therefore, no changes to the August 2013 ZLD Management Plan are warranted at this time.

### **3.5.8 SOIL&WATER-14: Water Supply Conversion of Palm Springs National Golf Course**

In accordance with SOIL&WATER-14, Sentinel funded the construction and operation of the Desert Water Agency (DWA) recycled water line to provide recycled water to the Palm Springs National Golf Course (PSNGC). PSNGC has relied solely on recycled water supplied by DWA for irrigation purposes; groundwater is not available as the groundwater well was removed. Attachment 10 includes a memorandum from DWA confirming that the recycled water system for PSNGC was completed in June 2012, thus eliminating the golf courses' dependence on groundwater. Further, all reclaimed water use at the PSNGC can be considered in equal parts a savings of groundwater.

Attachment 14 includes a summary of PSNGC reclaimed water use during the reporting period and a program to date total based on data provided by DWA and provides a breakdown of groundwater saved on a monthly basis, as well as a total of groundwater saved to-date.

### **3.5.9 SOIL&WATER-15: Irrigation Controller Program, Free Sprinkler Nozzles, and Groundwater Remediation Program**

In accordance with SOIL&WATER-15, Sentinel continues to fund DWA's irrigation controller program and free sprinkler nozzle program. Attachment 11 includes copies of the annual invoices and proof of payment. The number of irrigation controllers installed with resultant water savings and the number of sprinkler nozzle program participants with resultant water savings are included as Attachment 12.

Regarding the irrigation controller program and free sprinkler nozzles program effectiveness and estimated water savings, DWA issued two memorandums, dated November 4, 2013 and May 24, 2017 (Attachment 13), addressing these topics. DWA confirms that the irrigation controller program and free sprinkler nozzles program continues to be funded and implemented.

Attachment 14 provides an annual summary of the DWA Irrigation Controller Program, Free Sprinkler Nozzles Program, and the Groundwater Remediation Program.

DWA issued a memorandum dated November 4, 2013 identifying the groundwater remediation program to enhance water conservation efforts.

*The project consists of the construction and operation of two new wells designed to pump and treat groundwater that has elevated concentrations of nitrates. The treated groundwater is then blended with DWA's recycled water and used for irrigation.*

### **3.5.10 SOIL&WATER-16: Reporting and Verifying the Fresh Water Conservation Program Benefits**

SOIL&WATER-16 reporting requirements are as follows:

1. Provide annual reporting to assess whether the fresh water conservation benefits achieved by implementation of SOIL&WATER-14 and SOIL&WATER-15 have met the following requirements:
  - A. Achieve 1,000 [acre-feet per year (AFY)] in fresh water conservation benefits by the end of the first full calendar year following the project commercial operation date, increasing by 100 AFY annually over the subsequent 5 years to 1,500 AFY by the end of the 6<sup>th</sup> full calendar year following the commercial operation date.
  - B. Achieve minimum cumulative water conservation benefits of 1,500 AFY for each year following the 6th full calendar year following the commercial operation date for the life of the project.

2. If the fresh water conservation benefits of the water supply conversion of the PSNGC and the irrigation program projects identified in 1. A and B above cannot be sustained for any reason, the project owner shall submit a revised Water Conservation Plan within 6 months of the annual report, obtain CPM approval of the revised plan, and implement additional fresh water conservation projects on the schedule identified in the approved plan that will achieve fresh water conservation that will include the makeup of any deficits in meeting the water conservation requirements of 1.A and B of this condition.

Verification: For each year following the commercial operation date, the project owner shall provide an Annual Compliance Report, an accounting of fresh water conservation benefits for the previous calendar year, and a summary of annual fresh water conservation quantities since inception. If the water conservation benefits are not in conformance with the fresh water performance measures included in this Condition, the project owner shall submit:

1. A revised Water Conservation Plan within 6 months of the annual report;
2. Obtain CPM approval of the revised plan; and
3. Implement additional fresh water conservation projects on the schedule identified in the approved plan that will achieve fresh water conservation that will include the makeup of any deficits in meeting the water conservation requirements of 1.A and B of this Condition.

Attachment 14. provides a summary of the project's overall fresh water conservation benefits and the Annual Water Use and Conservation Summary Report to provide an overall summary of the total water use and conservation measures met by Sentinel.

### **3.6 TRANSMISSION LINE SAFETY AND NUISANCE**

In accordance with Condition TLSN-2, Sentinel confirms that there have been no line-related complaints during this reporting period.

TLSN-4 requires that "During the first five years of plant operation, the project owner shall provide a summary of inspection results and any fire prevention activities carried out along the right-of-way, and provide such summaries in the ACR." However, the electrical transmission line is owned by Southern California Edison (SCE) and is within SCE owned right-of-way.

Inspections and maintenance are performed by SCE. Therefore, Sentinel is not responsible for inspections or maintenance of the right-of-way; thus, no inspection reports were completed by Sentinel.

### **3.7 VISUAL RESOURCES**

In accordance with VIS-1, Sentinel prepared a Status Report describing: a) the condition of the surfaces of all structures and buildings at the end of the reporting year; b) maintenance activities that occurred during the reporting year; and c) the schedule of maintenance activities for the next year.” The Surface Treatment Maintenance Status Report is provided in Attachment 15.

In accordance with the requirements contained within VIS-2 Verification, Sentinel confirms that there have been no lighting complaints. Thus, no complaint reports are attached.

Further, in accordance with the requirements contained within VIS-2 Verification, Sentinel prepared a Status Report specifying: a) the condition of the lighting that has been installed under the lighting plan at the end of the reporting year; b) any deviations in lighting from the plan that occurred during the reporting year; and c) any proposed deviations from the lighting plan for the next year. The Permanent Exterior Lighting Status Report is provided in Attachment 16.

In accordance with the approval of VIS-3 submittal (included in Attachment 17), Sentinel was not required to prepare a landscape plan. Thus, no landscape maintenance activities were required or conducted.

## **4 POST-CERTIFICATION CHANGES**

This Section provides a cumulative listing of all post-certification changes approved by the CEC or cleared by the CPM.

There were no significant post-certification changes to operations during the reporting period, but there were four CEC-approved changes, as described below:

Petition for Modification - Construction Parking Area Addition, July 2011. CEC approved September 7, 2011.

Petition for Modification – General Arrangement Refinement, June 6, 2011. CEC approved September 21, 2011.

Petition for Modification – Modification to Move Construction Laydown Area, February 14, 2011. CEC approved April 18, 2011.

WASTE-10 Verification Language Update – Verification requirements update. CEC approved January 26, 2018.

## **5 DELINQUENT SUBMITTALS**

This Section provides an explanation for any submittal deadlines that were missed, accompanied by an estimate of when the information will be provided.

There were no submittal missed deadlines during the reporting period.

## **6 FILINGS OR PERMITS ISSUED BY OTHER GOVERNMENTAL AGENCIES**

Below is a list of filings submitted to, or permits issued by, other governmental agencies during the reporting year.

### **U.S. EPA and South Coast Air Quality Management District (SCAQMD)**

#### SCAQMD Quarterly RECLAIM Emission Reports (QCER)

- 3rd Quarter, 2018 submitted 10/23/2018
- 1st Quarter, 2019 submitted 4/26/2019
- 2nd Quarter, 2019 submitted 7/26/2019

#### CEC Quarterly Operation Reports

- 3rd Quarter 2018 submitted 10/29/2018
- 4th Quarter 2018 submitted 1/29/2019
- 1st Quarter 2019 submitted 4/26/2019
- 2nd Quarter 2019 submitted 7/25/2019

SCAQMD Rule 218.1 Semi-Annual CO Excess Emission and Monitoring System Performance Reports, submitted 1/23/2019 and 7/30/2019

NSPS Semi-Annual NOx Excess Emission and Monitoring System Performance Reports, submitted through (SCAQMD Quarterly RECLAIM Emission Reports (QCER)

- 3rd Quarter, 2018 submitted 10/23/2018
- 1st Quarter, 2019 submitted 4/26/2019
- 2nd Quarter, 2019 submitted 7/26/2019

Title V Semi-Annual Monitoring Reports, submitted 2/18/2019 and 8/29/2019

Title V Annual Compliance Certification, submitted 2/18/2019

SCAQMD Annual Permit Emission Program (APEP) Form, submitted 2/27/2019

SCAQMD Annual Emission Report (AER), submitted 3/12/2019

Annual GHG Emission Report to the EPA, submitted 3/26/2019

Annual GHG Emission Report to the CARB, submitted 3/26/2019

#### SCAQMD CEMS RATA Reports

- 4th Quarter 2018 submitted November 28, 2018
- 1st Quarter 2019 submitted May 24, 2019

#### EPA Quarterly/Annual Acid Rain electronic reporting

- 3rd Quarter 2018 submitted October 2018
- 4th Quarter 2018 submitted January 2019
- 1st Quarter 2019 submitted April 2019
- 2nd Quarter 2019 submitted July 2019

#### **California Regional Water Quality Control Board (RWQCB) - Colorado River Basin Region**

- No permits were obtained from, or submittals filed to the RWQCB for the reporting period.

#### **Riverside County Department of Environmental Health**

- No permits were obtained from, or submittals filed to the RCDEH for the reporting period.

### **7 UPCOMING COMPLIANCE ACTIVITIES**

During the next reporting period, Sentinel intends to continue reporting on the standard required compliance items, including but not limited to:

- SCAQMD/EPA Quarterly and Semi-Annual CEMS Reports/Operations Reports
- SCAQMD Quarterly Certificate of Emissions
- SCAQMD Annual Permit Emissions Program Report
- Monthly and Quarterly RECLAIM RTU Reports
- Rule 219 Quarterly NOx Emissions Reports for diesel fire pump emissions and small equipment
- EPA Quarterly Emissions Data Reports
- SCAQMD Semi-Annual Title V Report
- DOE Annual EIA 923 Report
- NERC Quarterly Miss-operations Report, and AVR & PSS Reports
- Notification of Source Testing and Associated Source Test Reports
- Quarterly CEC 1304 Report
- CEC Annual Third-Party GHG Verification Report
- CEC Annual Compliance Reports
- Annual SWPPP and Storm Water Discharge Reports
- Water Conservation Measures Reporting
- Department of Toxic Substances Control Verification Questionnaire
- Sulfur hexafluoride (SF<sub>6</sub>) Reporting

## **8 LISTING OF THE YEARS'S ADDITIONS TO THE COMPLIANCE FILE**

All of the noted items in Section 6.0, which were submitted to agencies other than the CEC, as well as those items submitted to the CEC have been added to the site compliance files.

## **9 UPDATES TO FACILITY CLOSURE PLANS**

In accordance with the ACR requirement contained in COMPLIANCE-12 and upon review of the On-Site Contingency Plan, there have been no changes in operations or company business practices to warrant modifying the On-Site Contingency Plan for unplanned facility closure.

In addition, consistent with requirements under unplanned permanent closure, the nature and extent of insurance coverage, and major equipment warranties are included in the On-Site Contingency Plan. Insurance coverage and warranties are up to date and are included in the On-Site Contingency Plan. Insurance coverage renewal is effective through July 2020.

## **10 COMPLAINTS, NOTICES OF VIOLATIONS, WARNINGS AND CITATIONS**

This section includes a listing of complaints, notices of violation, official warnings, and citations received during the year, a description of the resolution of any resolved matters, and the status of any unresolved matters.

The Sentinel Energy Center received one Notice of Violation (NOV) from the SCAQMD during the reporting period, as described below.

NOV Number: 66063, dated 3/18/2019. The NOV was received because of the following:

Failure of facility permit holder to comply with permit condition A195.1 exceeding the CO emission limit of 4 ppmv in device D31.

Sentinel sent Form 500-N to the SCAQMD and has fulfilled the requirements of the NOV. No additional remediation was required. A copy of the NOV and Form 500-N is provided in Attachment 18.

No other complaints, notices of violation, official warnings, or citations were received during the year.

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**ATTACHMENT 1**

**CEC COMPLIANCE MATRIX**

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Attachment 1  
Table 1

Compliance Matrix for CPV Sentinel Project

CEC Control	Control Code	Description	Verification Method/Submitter as required by Project Owner	Frequency	Due Date (Quarterly)	Reporting Period	On-going Status
AQ-1	OPS	The project owner shall limit the emissions from each gas fired combustion turbine train exhaust stack.	The project owner shall submit a quarterly emissions report of Condition of Certification AQ-SC9.	Quarterly		No later than 30 days following the end of each calendar quarter per AQ-SC9	On-going
AQ-10	OPS	The project owner shall keep records in a manner approved by the SCAQMD.	The project owner shall submit to the CPM for approval all fuel usage records on a quarterly basis as part of the quarterly emissions report of Condition of Certification AQ-SC9.	Quarterly		No later than 30 days following the end of each calendar quarter per AQ-SC9	On-going
AQ-11	OPS	The owner/operator shall calculate and continuously record the ammonia (NH3) slip emission concentration from each exhaust stack for each gas turbine.	The project owner shall include ammonia slip concentrations averaged on an hourly basis as part of the Quarterly Operational Report required in Condition of Certification AQ-SC9 and calculated via the protocol provided in this condition. Exceedence of the ammonia limit shall be reported in the following quarterly report.	Quarterly		Reporting no later than 30 days following the end of each calendar quarter per AQ-SC9	On-going
AQ-15	CON/OPS	The project owner shall limit the operating time of the firewater pump to no more than 199.99 hours per year. The firewater pump shall be equipped with a non-ventilable elapsed meter to accurately indicate the elapsed operating time of the engine. The firewater pump and all equipment shall be inspected and maintained in accordance with the manufacturer's recommendations. The firewater pump shall be equipped with a fuel flow meter that continuously records fuel flow rate and total fuel consumption. The fuel flow meter shall be kept in writing, listing the date of operation, the elapsed time, in hours, and the reason for operation. The log shall be maintained for a minimum of 5 years and made available to SCAQMD personnel and CPM upon request. The project owner shall keep records in a manner approved by the Executive Officer, consisting of emergency use hours of operation, maintenance and testing hours, other operating hours (describe the reason for operation).	The project owner shall submit to the CPM no less than 30 days after installation, a written statement by a California registered Professional Engineer stating that said engineer has reviewed the as-built designs or inspected the installed equipment and certifies that the appropriate devices have been installed and are functioning properly. The project owner shall submit a statement of operation, elapsed time in hours, and the reason for each operation in the Quarterly Operations Report (AQSC9).	Quarterly	4/22/2018	Reporting no later than 30 days after installation. Reporting no later than 30 days following the end of each calendar quarter per AQ-SC9.	On-going
AQ-16	OPS	The project equipment shall not be operated unless the project owner demonstrates to the SCAQMD Executive Officer that the facility holds sufficient RTCs to offset the proposed annual emissions for the first compliance year of operation. In addition, this equipment shall not be operated unless the project owner demonstrates to the Executive Officer that, at the end of each compliance year, the first compliance year of operation, the facility holds sufficient RTCs to offset the annual emissions increase. The project owner shall submit such information to the CPM for approval.	The project owner shall submit evidence of sufficient RTCs to the CPM demonstrating compliance on an annual basis as part of the annual compliance report.	Annually	1/2/2019	Annually	On-going
AQ-2	OPS	The project owner/operator shall not produce emissions of oxides of nitrogen from the facility including the firewater pump and all eight gas turbines combined, that exceed the RECLAIM Trading Credits holdings required in Condition of Certification AQ-18 within a calendar year.	The project owner/operator shall submit to the CPM no later than 60 days following the end of each calendar year, the SCAQMD required (via Rule 2004) Quarterly Certification of Emissions (or equivalent) for each quarter and the Annual Permit Emissions Program report (or equivalent) as prescribed by the SCAQMD Executive Officer.	Quarterly	03/01/14	No later than 60 days following the end of each calendar year	On-going
AQ-4	OPS	Each combustion turbine stack shall have the following emission limitations: 2.25 ppm NOx emission averaged over 60 minutes at 15 percent oxygen, dry basis. 2.0 ppm VOC emission averaged over 60 minutes at 15 percent oxygen, dry basis. 4.0 ppm CO emission averaged over 60 minutes at 15 percent oxygen, dry basis. 4.50 ppm NH3 emission averaged over 60 minutes at 15 percent oxygen, dry basis.	The project owner shall submit to the CPM for approval all emissions and emission calculations on a quarterly basis as part of the quarterly emissions report of Condition of Certification AQ-SC9.	Quarterly		No later than 30 days following the end of each calendar quarter per AQ-SC9	On-going
AQ-5	OPS	The project owner may at no time purposefully exceed either the mass or concentration emission limits set forth in Conditions of Certification AQ-1, -2, -3 or -4.	The project owner shall submit to the CPM for approval all emissions and emission calculations on a quarterly basis as part of the quarterly emissions report of Condition of Certification AQ-SC9.	Quarterly		No later than 30 days following the end of each calendar quarter per AQ-SC9	On-going
AQ-6	OPS	The project owner shall limit the fuel usage during a commissioning period from each turbine to no more than 301 million of pipeline quality natural gas per month. After the completion of commissioning, units 1 through 6 shall limit the fuel usage from each turbine to no more than 425 million in any one commissioning calendar month and 2,465 million in any one non-commissioning year. The operator shall maintain records in a manner approved by the District to demonstrate compliance with this condition. The operator shall install and maintain a fuel flow meter and flow recorder to accurately measure and record the fuel usage being used by each turbine. The flow recorder shall be installed in accordance with the manufacturer's instructions. The natural gas fuel sample shall be tested using District Method 307-91 for total sulfur calculated as H2S.	The project owner shall submit to the CPM for approval all fuel usage records on a quarterly basis as part of the quarterly emissions report of Condition of Certification AQ-SC9.	Quarterly		No later than 30 days following the end of each calendar quarter per AQ-SC9	On-going
AQ-SC10	OPS	The project owner shall perform quarterly cooling tower recirculating water quality testing, or shall provide for continuous monitoring of conductivity as an indicator, for total dissolved solids content.	The project owner shall submit to the CPM for approval all emissions and emission calculations on a quarterly basis as part of the quarterly emissions report of Condition of Certification AQ-SC9.	Quarterly		No later than 30 days following the end of each calendar quarter per AQ-SC9	On-going

**Attachment 1  
Table 1  
Compliance Matrix for CPV Sentinel Project**

DEC Code #	Task Code	Description	Verification Action/Submittal Required by Project Owner	Frequency/Reporting Timeline	Date of Submittal to DEC/Other Agency	DEC/Other Agency Approval Status
AQ-SC11	OPS	The cooling towers daily PM10 emissions shall be limited to 18.82 lb/day in total for all eight cooling tower cells. The cooling towers shall be equipped with a drift eliminator to control the drift fraction to 0.0005 percent of the circulating water flow. The project owner shall estimate daily PM10 emissions from the cooling towers using the water quality testing data or continuous monitoring data and daily circulating water flow data collected on a quarterly basis.	The project owner shall submit to the CPM daily cooling tower PM10 emission estimates in the Quarterly Operation Report (AQ-SC3).	Quarterly		Ongoing
AQ-SC7	CON/OPS	The project owner shall provide the CPM copies of all District issued Authority-to-Construct (ATC) and Permit-to-Operate (PTO) documents for the facility. The project owner shall submit to the CPM for review and approval any modification proposed by the project owner to any permit. The project owner shall submit to the CPM any modification to any permit proposed by the District or U.S. Environmental Protection Agency (U.S. EPA), and any revised permit issued by the District or U.S. EPA, for the project.	The project owner shall submit any ATC, PTO, and proposed air permit modifications to the CPM within 15 working days of the submittal either by 1) the project owner to an agency, or 2) receipt of proposed modifications from an agency. The project owner shall submit all modified air permits to the CPM within 15 days of receipt.	As Required	4/20/2011	Ongoing
AQ-SC9	OPS	The project owner shall submit to the CPM Quarterly Operation Reports, following the end of each calendar quarter, that include operational and emissions information as necessary to demonstrate compliance with the Conditions of Certification herein. The Quarterly Operation Report will specifically note or highlight incidences of noncompliance.	The project owner shall submit the Quarterly Operation Reports to the CPM and APOC no later than 30 days following the end of each calendar quarter.	Quarterly	4/25/2013	Ongoing
BIO-1.2	CON/OPS	Replacement Designated Biologist - The project owner shall assign a Designated Biologist to the project. The project owner shall submit the resume of the proposed Designated Biologist, with at least 3 references and contact information, to the ECC Project Manager (CPM) for approval.	If a Designated Biologist needs to be replaced, the specified information of the proposed replacement must be submitted to the CPM at least 10 working days prior to the termination or release of the preceding Designated Biologist. In an emergency, the project owner shall immediately notify the CPM of qualifications and approval of a short-term replacement while a permanent Designated Biologist is proposed to the CPM for consideration.	As Required	10/01/13	As Required
COMPLIANCE-1	CC	The CPM, responsible Energy Commission staff, and delegate agencies or consultants shall be granted and granted unrestricted access to the power plant site, related facilities, project-related staff, and records maintained on site, for the purpose of conducting audits, surveys, inspections, or general site visits. Although the CPM will normally schedule site visits on dates and times agreeable to the project owner, the CPM reserves the right to make unannounced visits at any time.	The project owner shall grant Energy Commission staff and delegate agencies or consultants unrestricted access to the power plant site.	Ongoing	10/01/13	Ongoing
COMPLIANCE-10	CC	Prior to the start of construction, the project owner must send a letter to property owners living within one mile of the project notifying them of a telephone number to contact project representatives with questions, complaints or concerns. If the telephone is not staffed 24-hours per day, it shall include a voicemail answering with date and time stamp recording. All recorded complaints shall be responded to within 24 hours. The telephone number shall be provided to the CPM, who will disseminate the number to the project owner's web page. Any changes to the telephone number shall be submitted immediately to the CPM, who will update the web page. In addition to the monthly and annual compliance reporting requirements described above, the project owner shall report and provide copies to the CPM of all complaint forms, including noise and lighting complaints, notices of violation, notices of fines, official warnings, and citations, within 10 days of receipt. Complaints shall be logged and numbered. Noise complaints shall be recorded on the form provided in the NOISE conditions of certification. All other complaints shall be recorded on the complaint form.	The project owner shall report to the CPM, all notices, complaints, and citations.	Within 10 days of receipt	10/01/13	As Required
COMPLIANCE-11	CC	In order to ensure that a planned facility closure does not create adverse impacts, a closure process that provides for careful consideration of available options and applicable laws, ordinances, regulations, standards, and local/regional plans in existence at the time of closure, will be undertaken. To ensure adequate review of a planned project closure, the project owner shall submit a proposed facility closure plan to the Energy Commission for review and approval at least 12 months (or other period of time agreed to by the CPM) prior to commencement of closure activities. The project owner shall file 120 copies (or other number of copies agreed upon by the CPM) of a proposed facility closure plan with the Energy Commission.	The project owner shall submit a closure plan to the CPM	At least 12 months prior to commencement of a planned closure	10/01/13	TBD

**Attachment 1  
Table 1  
Compliance Matrix for CPV Sentinel Project**

DEC-Commit	Start Date	Description	Verification/Action Submittal Required by Project Owner	Timeframe	DEC-Commit REGION	DEC-Commit Reporting Period	DEC-Commit Reporting Cycle	DEC-Commit Status
COMPLIANCE-12	OPS	In order to ensure that public health and safety and the environment are protected in the event of an unplanned temporary facility closure, it is essential to have an on-site contingency plan in place. The on-site contingency plan will help to ensure that all necessary steps to mitigate public health and safety impacts and environmental impacts are taken in a timely manner. The project owner shall submit an on-site contingency plan for CPM review and approval. The plan shall be submitted no less than 60 days (or other time agreed to by the CPM) prior to commencement of commercial operation. The on-site contingency plan shall be in place prior to commercial operation of the facility and shall be kept at the site at all times. The project owner, in consultation with the CPM, will update the on-site contingency plan as necessary. The CPM may require revisions to the on-site contingency plan over the life of the project. In the annual compliance reports submitted to the Energy Commission, the project owner will review the on-site contingency plan, and recommend changes to bring the plan up to date. Any changes to the plan must be approved by the CPM. In the event of an unplanned temporary facility closure, it is essential to have an on-site contingency plan in place. The on-site contingency plan will help to ensure that all necessary steps to mitigate public health and safety impacts and environmental impacts are taken in a timely manner. The project owner shall submit an on-site contingency plan for CPM review and approval. The approved plan must be in place prior to commercial operation of the facility and shall be kept at the site at all times.	To ensure that public health and safety and the environment are protected in the event of an unplanned temporary closure, the project owner shall submit an on-site contingency plan	10/01/13	5/13/2013	5/13/2013	5/13/2013	Ongoing
COMPLIANCE-13	CC	The on-site contingency plan required for unplanned temporary closures shall also cover unplanned permanent facility closure. All of the requirements specified for unplanned temporary closures shall also apply to unplanned permanent closure. In addition, the on-site contingency plan shall address how the project owner will ensure that all required closure steps will be successfully undertaken in the event of abandonment.	To ensure that public health and safety and the environment are protected in the event of an unplanned permanent closure, the project owner shall submit an on-site contingency plan	10/01/13	5/13/2013	5/13/2013	5/13/2013	Ongoing
COMPLIANCE-14	CC	The project owner must petition the Energy Commission pursuant to Title 20, California Code of Regulations, section 1769, in order to modify the project (including linear facilities) design, operation or performance requirements, and to transfer ownership or operational control of the facility. It is the responsibility of the project owner to contact the CPM to determine if a proposed project change should be considered a project modification pursuant to section 1769. Implementation of a project modification without first securing Energy Commission, or Energy Commission staff approval, may result in enforcement action that could result in civil penalties in the amount of up to \$100,000 per day. Notices of Violation may be issued for project changes to Amend. Staff will determine if the change is significant or insignificant. For verification purposes, a letter from the project owner is sufficient. In all cases, the petition or letter requesting a change should be submitted to the CPM, who will file it with the Energy Commission's District Unit in accordance with Title 20, California Code of Regulations, section 1209.	The project owner must petition the Energy Commission to delete or change a condition of certification, modify the project design or operational requirements and/or transfer ownership of operational control of the facility.	As needed	10/01/13			As Required
COMPLIANCE-2	CC	For the life of the project, the project owner shall maintain project files on-site or at an alternative site approved by the CPM, unless a lesser period of time is specified by the conditions of certification. The files shall contain copies of all "as-built" drawings, all documents submitted as verification for conditions, and all other project-related documents.	The project owner shall maintain project files on-site. Energy Commission staff and delegates/agents shall be given unrestricted access to the files.	Ongoing	10/01/13			Ongoing
COMPLIANCE-3	CC	Each condition of certification is followed by a means of verification. The verification describes the Energy Commission's procedure(s) to ensure post-certification compliance with adopted conditions. The verification procedures, unlike the conditions, may be modified as necessary by the CPM.	The project owner is responsible for the delivery and content of all verification submittals to the CPM, whether such condition was satisfied by work performed or the project owner or the agent.	Ongoing	10/01/13			Ongoing
COMPLIANCE-5	CC	A compliance matrix shall be submitted by the project owner to the CPM along with each monthly and annual compliance report. The compliance matrix is intended to provide the CPM with the current status of all conditions of certification in a spreadsheet format.	The project owner shall submit a compliance matrix with each monthly and annual compliance report.	Monthly/Annually	09/15/14			Ongoing
COMPLIANCE-7	OPS	After construction is complete, the project owner shall submit Annual Compliance Reports instead of Monthly Compliance Reports. The reports are for each year of commercial operation and are due to the CPM each year at a date agreed to by the CPM. Annual, E-Act, Annual Compliance Report shall include the AFC number, identify the reporting period and shall contain the required information.	After construction ends and throughout the life of the project, the project owner shall submit Annual Compliance Reports instead of Monthly Compliance Reports.	Annual	06/15/14			Ongoing

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Table 1

Compliance Matrix for CPV Sentinel Project

CEC Code #	Short Code	Description	Compliance/Action Item Required by Project Owner	Timeline	Date Due to EIC/DOB/CEC/DM	DOB/CEC/DM/Approval Date	CEC/DM/Approval Date	As Required
COMPLIANCE-6	CC	Any information that the project owner deems confidential shall be submitted to the Energy Commission's Dockets Unit, which is application for confidentiality pursuant to Title 20, California Code of Regulations, section 25205.06, by an owner of a CEC or a contractor who has been notified that the best confidentiality as provided for in Title 20, California Code of Regulations, section 25201.04, shall be maintained.	Any information the project owner deems confidential shall be submitted to the Energy Commission's Dockets Unit with a request for confidentiality.	As Required	10/07/13			As Required
COMPLIANCE-6	CC	Pursuant to the provisions of Section 25205.06(b) of the Public Resources Code, the project owner shall pay an annual compliance fee, which is adjusted annually. The amount of the fee shall be \$100,000 per year. You will be billed for the fee on the date the Energy Commission sends the final invoice. You will be notified of the amount of the fee and the date the invoice shall be made available to the California Energy Commission and mailed to Accounting Office MS-02, California Energy Commission, 1515 9th St., Sacramento, CA 95814.	Payment of Annual Energy Facility Compliance Fee	Annual	07/01/15	7/1/2015	7/1/2015	Ongoing
CEL-3.4	CC	At a minimum, the CRS shall consult weekly with the project construction manager to confirm and/or to be worked during the next week, until ground disturbance is completed. The project owner shall notify the CRS and CPM of any changes to the scheduling of the construction phases. No ground disturbance shall occur prior to CPM approval of maps and drawings, unless specifically approved by the CPM.	A current schedule of anticipated project activity shall be provided to the CRS and CPM by letter, e-mail, or fax.	On a weekly basis during ground disturbance	06/01/11	5/3/2011	5/12/2011	Complete
GEN-1.2	CONOPS	The project owner shall ensure that all the provisions of the above applicable codes are enforced during the construction, addition, alteration, moving, demolition, repair, or maintenance of the completed facility (2607 CBC, Appendix, Chapter 1, § 101.2, Scope). All transmission facilities (lines, assemblies, switching stations, and substations) are covered in the Conditions of Certification in the Transmission System Engineering section of this Decision.	Once the certificate of occupancy has been issued, the project owner shall inform the CPM of any work to be performed on any portion of the completed facility that requires CEC approval for compliance with the above codes. The CPM will then determine if the CBO needs to approve the work.	At least 30 days prior to any work performed	10/07/13			As Required
HAZ-1	OPS	The project owner shall not use any hazardous materials not listed in Appendix A, or in greater quantities or more often than those identified by chemical name in Appendix B, unless approved in advance by the CPM.	The project owner shall provide to the CPM, in the Annual Compliance Report, a list of hazardous materials contained at the facility.	Monthly Tracking and Annual Compliance Report	10/07/13			Ongoing (Monthly Tracking and Annual Report)
HAZ-6	OPS	The project owner shall direct all vendors delivering aqueous ammonia to the site to use only tanker truck transport vehicles which meet or exceed the specifications of U.S. Department of Transportation Code 49-567.	The project owner shall submit copies of the notification letter to supply vendors indicating the transport vehicle specifications to the CPM for review and approval.	At least 30 days prior to receipt of any aqueous ammonia on site	10/07/13	10/31/2012	10/31/2012	Ongoing
HAZ-7	OPS	At least 30 days prior to receipt of any hazardous materials on site, the project owner shall direct all vendors delivering any hazardous materials to the site to use only tanker trucks that meet or exceed the specifications of U.S. Department of Transportation Code 49-567.	The project owner shall submit to the CPM for review and approval copies of notices to hazardous materials vendors describing the required transportation route.	At least 30 days prior to receipt of any hazardous materials on site	10/07/13	10/31/2012	10/31/2012	Ongoing
HAZ-6.2	OPS	The project owner shall fully implement the security plans and obtain CPM approval of any substantive modifications to this security plan.	In the Annual Compliance Report, the project owner shall include a statement that all current project employees and appropriate contractor background investigations have been performed and that updated certification statements have been appended to the operations security plan. In the Annual Compliance Report, the project owner shall include a statement that the Operations Security Plan includes all current hazardous materials transport vendor certifications for security plans and employee background investigations.	Annual	09/15/14			Ongoing
NOISE-2	CONOPS	Throughout the construction and operation of the CPV Sentinel Project, the project owner shall document, investigate, evaluate, and attempt to resolve all project-related noise complaints. Use the Noise Complaint Resolution Form (below), or a functionally equivalent procedure acceptable to the CPM, to document and respond to each noise complaint. Contact the project owner to resolve the noise complaint within 24 hours. Take all feasible measures to reduce the noise at its source if the noise is project related. Submit a report documenting the complaint and the actions taken. The report shall include a complaint summary, including final results of noise reduction efforts, and if obtainable, a signed statement by the complainant stating that the noise problem is resolved to the complainant's satisfaction.	The project owner shall file a copy of the Noise Complaint Resolution Form with the CPM, documenting the resolution of the complaint. If mitigation is required to resolve a complaint, and the complaint is not resolved within a three-day period, the project owner shall submit an updated Noise Complaint Resolution Form when the mitigation is implemented.	Within five days of receiving a noise complaint	10/07/13			As Required

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Table 1  
Compliance Matrix for CPV Sentinel Project**

CEC Cond. #	Sort Code	Description	Verification/Action/Submittal Required by Project Owner	Timeframe	Date Due to CEC CPM	Date Submitted to CEC, CBO or Agency	CEC/ Agency Approval Date	Status
SOIL&WATER 10	CON/OPS	The project owner shall ensure that its recharge of groundwater complies with the following: 1. Recharge shall occur at the Desert Water Agency's (DWA's) Mission Creek Spreading Grounds; 2. Water purchased by the project owner for recharge shall be in addition to State Water Project (SWP) supplies acquired by DWA under its entitlements as a State Water Project contractor (including DWA's Table A allocation and any surplus SWP purchases) for its groundwater replenishment program; 3. The initial water used for recharge shall be the 8,350 acre-feet of Exchanged North Kern water (hereafter referred to as North Kern water) water secured from North Kern Water Storage District pursuant to the Water Supply Agreement between CPV Sentinel and DWA, dated August 19, 2008. Recharge of additional water must comply with subdivisions a) and b) of this condition and must be approved pursuant to SOIL&WATER-11; 4. The applicant shall provide to the CPM an annual accounting of cumulative water recharged on a monthly basis throughout the operating life of the project as part of the Annual Compliance Report, and in coordination with the annual reporting requirements in SOIL&WATER-16.	Verification: If recharge of other water is approved by the CPM pursuant to SOIL&WATER-11, the project owner shall, within 60 days of that approval, submit to the CPM copies of final agreements between the purchaser and the seller of the other water, between it and DWA, and between DWA and MWD (if water is to be delivered through an exchange with MWD) that ensure that the other water will be delivered to the Mission Creek spreading grounds. For clarification purposes of the condition, item a) in subsection 3 references subsection 1 and item b) in subsection 3 references subsection 2.	Within 60 days of that approval of recharge of other water by the CPM	As Required	3/24/2014 (note CEC requested re-submittals as they were unable to locate documents in their files)		As Required
SOIL&WATER 11.2	OPS	2. Any Water Supply Plan submitted pursuant to this Condition shall include the following: A. Identification of the water source; B. Demonstration of the project owner's legal entitlement to the water; C. Demonstration of CEQA compliance; and D. An estimated schedule for delivery to the DWA's Mission Creek Spreading Grounds, including applicable agreements with water supply, transfer and conveyance entities. 3. The project shall not utilize water other than North Kern water unless the CPM has approved the Water Supply Plan submitted pursuant to this Condition.	The project owner shall submit a Water Supply Plan that meets the requirements of this condition.	Consistent with each CPV purchase of water for recharge	As Required			Complete for Yuba Water
SOIL&WATER 12	CON/OPS	The project owner shall treat all process wastewater streams with a Zero Liquid Discharge (ZLD) system that results in a residual solid waste. The solid waste shall be disposed of in the appropriate class of landfill suitable for the constituent concentrations in the waste. Surface or subsurface disposal of process wastewater from the CPV Sentinel is prohibited. The project owner shall operate the ZLD system in accordance with a ZLD management plan approved by the CPM. The ZLD management plan shall include the following elements: 1. A flow diagram showing all water sources and wastewater disposal methods at the power plant; 2. A narrative of expected operation and maintenance of the ZLD system; 3. A narrative of the redundant or back-up wastewater disposal method to be implemented during periods of ZLD system shutdown or maintenance; 4. A maintenance schedule; 5. A description of on-site storage facilities and containment measures; 6. A table identifying influent water quality; 7. A table characterizing the constituent concentrations of the solid waste or brine and specifying the permit limits of the selected landfill. The CPV Sentinel operation and wastewater production shall not exceed the treatment capacity of the ZLD system or result in an industrial wastewater discharge.	At least 60 days prior to the start of commercial operation, the project owner shall submit to the CPM evidence that the final design of the ZLD system has the approval of the Chief Building Officer. At least 60 days prior to the start of commercial operation, the project owner shall prepare a ZLD management plan for review and approval by the CPM. The ZLD management plan shall be updated by the project owner and submitted to the CPM for review and approval if a change in water source or infrastructure is needed. In the annual compliance report, the project owner shall submit a status report on operation of the ZLD system, including dates and length of disruptions, maintenance activities performed, volumes of interim wastewater streams stored on site, monthly volumes of residual salt cake or brine generated, and results of at least one annual sampling of the waste solids or brine comparing the constituent concentrations to the permit limits of the landfill. The annual compliance report shall contain an evaluation of whether the ZLD is being operated within the parameters described in the ZLD management plan. The ZLD management plan shall be updated by the project owner if the CPM has determined it is necessary based on the project owner's Annual Compliance Report.	At least 60 days prior to the start of commercial operation and Annually	09/15/14	8/26/2013	8/26/2013	On-going
SOIL&WATER 14.3	OPS	3. The project owner shall, in each calendar year following the start of commercial operation, ensure that the maximum available supply of DWA's recycled water that can be beneficially used by PSNGC will be delivered and used by PSNGC.	See SOIL&WATER 14.1. NOTE: Submittal on 11-5-13 regarding groundwater no longer an option (DWA 11-4-13 memo). As of 11-5-13, awaiting CPM approval.	No later than 60 days prior to the start of conversion project operation	Annually	11/5/2013	11/13/2013	Complete
SOIL&WATER 14.4	OPS	4. The project owner shall obtain records from DWA showing the volume of recycled water used and report, in acre-feet, the monthly and annual water use in the Annual Compliance Report. If any groundwater is used for irrigation of PSNGC, the project owner shall also obtain records showing the monthly and annual totals in acre-feet in the Annual Compliance Report and provide an explanation of why irrigation with groundwater was necessary.	See SOIL&WATER 14.1	No later than 60 days prior to the start of conversion project operation	Annually			On-going
SOIL&WATER 14.5	OPS	5. In the event the PSNGC no longer requires recycled water service, the project owner shall notify the CPM within 10 days and shall comply with the requirements of SOIL&WATER-16.	See SOIL&WATER 14.1	As required. Only applicable if PSNGS no longer uses water.	As Required			As Required

**Attachment 1  
Table 1  
Compliance Matrix for CPV Sentinel Project**

CEC Cond#	Sort Code	Description	Verification/Action(s) Submitted/Required by Project Owner	Interface	Date Due to Submit to CEC/DBS or Agency	CEC Agency Approval Date	Status
SOIL&WATER-16.1	CONOPS	In accordance with the WSP, the project owner will fund installation by DWA of irrigation controllers in existing residences and businesses in DWA's service area to achieve fresh water conservation consistent with the WSP. The project owner shall: 1. Continue funding sufficient for DWA's installation of 4,800 irrigation controllers in its service area at existing businesses or residences to conserve an estimated 480 to 700 acre-foot of groundwater per year.	The project owner shall do all of the following: 1. No later than one year after funding implementation of the irrigation controller program the project owner shall develop and submit to the CPM for approval methodology and outline for a report to evaluate the effectiveness of the irrigation controller program and estimate the water savings in the Upper Coachella Valley Groundwater Basin. The methodology shall address how to account for the number of controllers that remain in use over time as well as the amount of savings per controller installed. 2. Each year after initiating the irrigation controller program, and annually thereafter, for the life of the project, the project owner shall analyze the effectiveness of the irrigation controller program using the approved method and report on the total water conservation achieved. 3. Submit to CPM, included in the Annual Compliance Report, for approval by the CPM: a. The estimated total and average water conservation achieved based on the number of controllers; and b. The accounting of the project owner's contributions to DWA's Irrigation Controller Program over the life of the program. Calculations shall be on a calendar year basis.	No later than one year after funding implementation of the irrigation controller program. Annually.	1/6/2013	11/13/2013	Complete for irrigation controller methodology.
SOIL&WATER-16.2	OPS	2. Cause DWA to complete an evaluation of the effectiveness of the irrigation controller program using a process similar to those used by CVID in their Final Report dated June 21, 2007 or other methods to be approved by the CPM.	Per direction from CEC, project owner will submit 1) letter from DWA explaining why irrigation controller program is not effective, 2) DWA to provide letter with description of alternative water conservation project(s) including CPV payment(s) and estimated water savings.	No later than one year after funding implementation of the irrigation controller program. Annually.			Complete for effectiveness of irrigation controller.
SOIL&WATER-16	OPS	The project owner shall perform the following: 4. For each year following the fresh water conservation benefits achieved by the project owner, the project owner shall submit to the CPM a report detailing the following requirements: A. Achieve 1,000 AFY in fresh water conservation benefits by the end of the first full calendar year following the project commencement date, increasing by 100 AFY annually over the subsequent 5 years to 1,500 AFY by the end of the 6th full calendar year following the project commencement date. B. Achieve minimum cumulative water conservation benefits of 1,500 AFY for each year following the 6th full calendar year following the project commencement date for the life of the project. 2. If the fresh water conservation benefits of the water supply conversion of the PSN&C and the irrigation program projects identified in 1, A and B above cannot be sustained for any reason, the project owner shall submit a revised Water Conservation Plan within 6 months of the annual report, obtain CPM approval of the revised plan, and implement additional fresh water conservation projects on the schedule identified in the approved plan that will achieve fresh water conservation that will include the makeup of any deficits in meeting the water conservation requirements of 1, A and B of this condition.	For each year following the commercial operation date, the project owner shall provide an Annual Compliance Report, an accounting of fresh water conservation benefits for the previous calendar year, and a summary of annual fresh water conservation quantities above inception. If the water conservation benefits are not in conformance with the fresh water performance measures included in this Condition, the project owner shall submit 1. A revised Water Conservation Plan within 6 months of the annual report. 2. Obtain CPM approval of the revised plan; and 3. Implement additional fresh water conservation projects on the schedule identified in the approved plan that will achieve fresh water conservation that will include the makeup of any deficits in meeting the water conservation requirements of 1, A and B of this Condition.	Annually		On-going	
SOIL&WATER-3.2	CONOPS	The project owner shall construct and operate up to five onsite groundwater wells that produce water from the Mission Creek Groundwater Sub-basin (MCGS). The project owner shall ensure that the wells are completed in accordance with all applicable state and local water well construction permits and requirements. Prior to initiation of well construction activities, the project owner shall submit a well construction packet to the County of Riverside. In accordance with the County of Riverside Ordinance 82Z, containing all documentation, plans, and tests required for well construction, the project owner shall submit the project well construction packet to the County of Riverside for review. The project owner shall ensure that the project well construction activities comply with all applicable county well requirements, and the CPM provides approval to construct the well. The project owner shall provide documentation to the CPM that the well has been properly completed. In accordance with California's Water Code section 1375A, the driller of the well shall submit to the Department of Water Resources (DWR) a Well Completion Report for each well installed. The project owner shall ensure the Well Completion Reports are submitted. The project owner shall ensure compliance with all county water well standards and requirements for the life of the wells and shall provide the CPM with two (2) copies of all monitoring or other reports required for compliance with the County of Riverside water well standards and operation requirements, as well as any changes made to the operation of the well.	No later than 60 days after installation of each well at the project site, the project owner shall ensure that the well driller submits a Well Completion Report to the DWR with a copy provided to the CPM. The project owner shall submit to the CPM together with the Well Completion Report a copy of well drilling logs, water quality analyses, and any inspection reports that may be required. 1. Submit copies to the CPM of any proposed well construction or operation permit changes within ten (10) days of submission to or receipt from the County of Riverside. 2. Submit copies of any water well permit/renewal well monitoring reports required by the County of Riverside to the CPM in the annual compliance report. 3. No later than fifteen (15) days after completion of the onsite water supply wells, the project owner shall submit documentation to the CPM and the RWCCS that well drilling an available for each well installed.	No later than 60 days after installation of each well at the project site, submit a Well Completion Report.	6/28/2012	8/29/2012	Open



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Table 1  
Compliance Matrix for CPV Sentinel Project**

CEC Condition	State Code	Description	Anticipated/Actual/Estimated Date of Project Owner Verification/Action/Remedial Measure	Threatened	Submittal/Verification/Action/Remedial Measure	CEC/State Code/Condition	Start
TLSN-2	OPS	The project owner shall ensure that every reasonable effort is made to identify and correct, on a case-specific basis, any complaints of interference with radio or television signals from operation of the proposed lines and associated substations. The project owner shall maintain written records for a period of five years, of all complaints of radio or television interference attributable to the operation together with the corrective action taken in response to each complaint.	09/15/14	Annual	All reports of line-related complaints shall be summarized for the project-related lines and included during the first five years of plant operation in the Annual Compliance Report.		On-going
TLSN-3.2	OPS	The project owner shall use an individual experienced in measuring EMF according to the American National Standard Institute of Electrical and Electronic Engineers (ANSI/IEEE) standard procedures to measure the strength of the magnetic and electric fields from the line at the ground level. The measurements shall be made before and after the start of operations. The measurements shall be made before and after the start of operations. The measurements shall be made before and after the start of operations. The measurements shall be made before and after the start of operations.	09/01/13	Which 05 days after completion of the measurements.	The project owner shall file copies of the measurement reports with the CPM. These measurements shall be completed not later than six months after the start of operations.	7/19/2013	Complete
TLSN-4	OPS	The project owner shall ensure that the right-of-way of the proposed transmission line are kept free of combustible material.	09/15/14	Annual	During the first five years of plant operation, the project owner shall provide a summary of inspection results and any the prevention activities carried out along the right-of-way and provide such summaries in the Annual Compliance Report.		On-going
WIS-1.4	OPS	The project owner shall treat the surfaces of all project structures and buildings visible to the public so that their colors minimize visual intrusion and contrast by blending with the desert landscape in both color and value; b) their colors and finishes do not create excessive glare; and c) their colors and finishes are consistent with local policies and ordinances.	09/15/14	Annual	The project owner shall provide a status report regarding surface treatment maintenance in the Annual Compliance Report. The report shall specify a) the condition of the surfaces of all structures and buildings at the end of the reporting year; b) maintenance activities that occurred during the reporting year; and c) the schedule of maintenance activities for the next year.		On-going (Annual Report)
WIS-2.5	OPS	Project Owner shall resolve all lighting complaints.	10/01/13	48 hours of receiving complaint	Within 48 hours of receiving a lighting complaint, the project owner shall provide the CPM with a complaint resolution form report as specified in the Compliance General Conditions, including a proposal to resolve the complaint, and a schedule for implementation. The project owner shall notify the CPM, within 48 hours after completing implementation of the proposal. A copy of the complaint resolution form report shall be submitted to the CPM within 30 days.		As Required
WIS-2.6	OPS	Project Owner shall resolve all lighting complaints.	09/15/14	Annual	The project owner shall provide a status report regarding permanent exterior lighting in the Annual Compliance Report. The report shall specify a) the condition of the lighting that has been installed under the lighting plan at the end of the reporting year; b) any deviations in lighting from the plan that occurred during the reporting year; and c) any proposed deviations from the lighting plan for the next year.		On-going (Annual Report)
WIS-3.4	OPS	The project owner shall develop a landscape plan that: a) reduces the visibility of the project from the south and west; b) utilizes drought-tolerant landscaping and incorporates adequate drought-conscious irrigation systems; and c) complies with local policies and ordinances of Riverside County, including Policy WCVAP 13.4 which requires screening and/or landscaping of outdoor storage areas; such as contractor storage yards and similar uses; Plantings on the south side of the project are to screen views of the project by residents that live to the south and west of the project.	Annually	Annual	The project owner shall report landscape maintenance activities, including replacement of dead or dying vegetation, for the previous year of operation in each Annual Compliance Report.	3/5/2013	Complete
WASTE-10	OPS	At a minimum, the project owner shall conduct annual analyses of the solids residue from the ZLD process to determine if the solids are hazardous or non-hazardous and ensure appropriate disposal of the solids residue. The project owner shall also conduct analyses of the ZLD solids after any change in wear supply to determine if the solids are hazardous or non-hazardous.	Monthly	Monthly	The project owner shall submit to the CPM a copy of documentation showing appropriate disposal of the ZLD solids.		On-going
WASTE-11	OPS	The project owner shall submit annual compliance reports to the CPM documenting the annual volumes of wastes generated and the method used to manage the waste generated, such as recycling or disposal. If such wastes are disposed of offsite, the disposal facility(ies) name and address shall be included in the report.	10/01/13	Monthly tracking and Annual Compliance Report	The project owner shall include a comparison of the actual waste generation and management methods used as compared to those proposed in the original Operation Waste Management Plan. The Operation Waste Management Plan shall be updated as necessary to address current waste generation and management practices.		On-going (Monthly tracking and Annual Report)

**Attachment 1  
Table 1  
Compliance Matrix for CPV Sentinel Project**

CFC Cond #	Soft Code	Description	Verification/Action/Submital Required by Project Owner	Timeframe	Due Date CEC/CPM	Date Submitted CEC/CPM	CFC Agency Approval Status	As Required
WASTE-6	CON/OPS	The project owner shall ensure that spills or releases of hazardous substances, hazardous materials, or hazardous wastes associated with the construction or operation of the project are reported, delineated, cleaned-up, and remediated as necessary, under the supervision of a California Professional Geologist or Engineer and in accordance with the requirements of the Riverside County Department of Environmental Health. This responsibility excludes construction, operation, and maintenance of the transmission lines, which will be installed, operated, and maintained by Southern California Edison.	The project owner shall document all unauthorized spills or releases of hazardous substances, materials, or wastes that occur on the project property or related pipeline and transmission corridors. Copies of the unauthorized spill documentation shall be provided to the CPM	Within 30 days of the date the release was discovered	10/01/13			As Required
WASTE-7	CON/OPS	Upon becoming aware of any impending waste management-related enforcement action by any local, state, or federal authority, the project owner shall notify the CPM, or any such action taken or proposed to be taken against the project team, or against any waste hauler or disposal facility or treatment operator with which the project owner contracts.	The project owner shall notify the CPM, in writing. The CPM shall notify the project owner of any changes that would be required in the way project-related wastes are managed.	Within 10 days of becoming aware of an impending enforcement action	10/01/13			As Required

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**ATTACHMENT 2**

**EVIDENCE OF RTCs (PER AQ-16)**

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**SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT**

**RTC Transfer Confirmation**  
SCAQMD RECLAIM ADMINISTRATION  
P.O. BOX 4830, DIAMOND BAR CA 91765-0830

**SELLER**  
**ID: 152707**

This letter is to confirm that the South Coast Air Quality Management District (AQMD) has received RTC trading information to comply with Rule 2007-Trading Requirements. The following summarizes your company information and the registration information that you and your trading partner specified in Form 2007-2. The transactions have been recorded and the RTC Listing was updated.

**RECEIVED**  
AUG 09 2019

**Registration No:** 14070

**Recording Date:** 7/24/19

**Pollutant:** NOX

**BY:** .....

**TRANSFER FROM:**

**TRANSFER TO:**

**Company Name:** SENTINEL ENERGY CENTER LLC

TAUBER OIL COMPANY

**Facility ID:** 152707

700153

**Signing Representative:** Mark Mcdaniels

Earl Thomas

**Mailing Address:** PO BOX 1328  
DESERT HOT SPRINGS, CA 92240-

55 WAUGH DR. SUITE 700  
HOUSTON, TX 77007-

Cycle	Terms of RTC Transferred		Original Zone	Quantity (lb/yr)	Unit Price (\$/lb)	Use Code	Generation Code	Account Source	Origin of Credits
	From Compliance Year (*)	To Compliance Year (*)							
2	6/30/2019	Single Year Trade	COASTAL	36,568	0.8100	03	03	A	REGXX
2	6/30/2019	Single Year Trade	INLAND	8,432	0.8100	03	03	A	REGXX

(\*) RTC Expiration Date

Approved By:

(Signature)

AMIR DEJBAKHS

ASSISTANT DEPUTY EXECUTIVE OFFICER

Engineering & Permitting

**Code Description :**

Use Code ( 03 ): Increase RTC certificate account balance without issuance of physical certificate

Generation Code ( 03 ): Production Decrease

Account Source ( A ): Allocation



**SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT**

**RTC Transfer Confirmation**  
SCAQMD RECLAIM ADMINISTRATION  
P.O. BOX 4830, DIAMOND BAR CA 91765-0830

**SELLER**  
ID: 152707

This letter is to confirm that the South Coast Air Quality Management District (AQMD) has received RTC trading information to comply with Rule 2007-Trading Requirements. The following summarizes your company information and the registration information that you and your trading partner specified in Form 2007-2. The transactions have been recorded and the RTC Listing was updated.

**RECEIVED**  
FEB 07 2019

Registration No: 13949

Recording Date: 1/25/19

Pollutant: NOX

**BY:** .....

**TRANSFER FROM:**

**TRANSFER TO:**

**Company Name:** SENTINEL ENERGY CENTER LLC

**TAUBER OIL COMPANY**

**Facility ID:** 152707

700153

**Signing Representative:** Mark Mcdaniels

Earl Thomas

**Mailing Address:** PO BOX 1328  
DESERT HOT SPRINGS, CA 92240-

55 WAUGH DR. SUITE 700  
HOUSTON, TX 77007-

Terms of RTC Transferred			Original Zone	Quantity (lb/yr)	Unit Price (\$/lb)	Use Code	Generation Code	Account Source	Origin of Credits
Cycle	From Compliance Year (*)	To Compliance Year (*)							
1	12/31/2018	Single Year Trade	COASTAL	90,000	0.5280	03	03	A	REGXX

(\*) RTC Expiration Date

Approved By:

(Signature) AMIR DEJBAKHS  
Assistant Deputy Executive Officer  
Engineering & Permitting

**Code Description :**

- Use Code ( 03 ) : Increase RTC certificate account balance without issuance of physical certificate
- Generation Code ( 03 ) : Production Decrease
- Account Source ( A ) : Allocation

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**ATTACHMENT 3**

**BIOLOGICAL RESOURCES ANNUAL SUMMARY REPORT AND WEAP  
TRAINING SIGN-IN SHEETS (PER BIO-2)**

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# Sentinel Biological Resources Annual Summary Report

Dates covered: September 1, 2018 – August 31, 2019

Operational Biological Resources Activities:

---

Regular site inspections during operation. The Plant site has continued the use of bird deterrents to discourage rock pigeons from nesting on various units located within the Plant site. Bird deterrents include Bird-B-Gone predatory bird call signals.

Staff continues to regularly check of rodent traps and spraying for pest/insects around each unit and the Admin Building.

---

Species Detected (include dates):

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Regularly detected wildlife includes, Rock pigeons (weekly or daily, throughout the reporting period) and various insects including Arachnid (spiders), Apomyrma (ants), and Apis (bees) species.

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Other: None

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Any wildlife injured or killed? No  Yes (If yes, describe below) No wildlife injuries or deaths have been observed or reporting during the reporting period.

---

Compliance Observations and Issues:

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The implementation of Bird-B-Gone has reduced rock pigeon nesting within the Plant site. No special-species status species, including threatened and/or endangered species have been observed on the plant site during the reporting period.

---

Other Notes:

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# Training Record and Attendance Report

## SENTINEL ENERGY CENTER

Rev: 1	Date: 06/19/17	Training Program	7101.03-SEC-TOL
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Note: Attach relevant training materials (syllabus, handout, worksheet, exam, etc.) before filing.

Program Title:	Site Safety training Video / WEAP TRAINING	
Instructor:	JAN WOLF	JAN WOLF
Date:	2-20-18	2-20-18

Employee Name	Initials	Date	Employee Name	Initials	Date
Bob Moran	MM	20 FEB 18			

Training Lesson Plan: New Employee Site training.

Materials and Training Aids Used:

Site Safety training video - 25 min. + test.  
WEAP - environmental awareness training 50 minutes.

Topics Discussed:

- 
- 
- 

Comments:

 DGC Operations, LLC		<h1>Training Record and Attendance Report</h1>	
<b>SENTINEL ENERGY CENTER</b>			
Rev: 1	Date: 06/19/17	Training Program	7101.03-SEC-TOL

*Note: Attach relevant training materials (syllabus, handout, worksheet, exam, etc.) before filing.*

Program Title:	Employee TRAINING
Instructor:	JAN WOLF
Date:	7-16-18

Employee Name	Initials	Date	Employee Name	Initials	Date
Casey Corliss	CC	7-16-18			

**Training Lesson Plan:**

Sentinel Site Orientation training video + test.  
 WEAP TRAINING video - completed

**Materials and Training Aids Used:**

see above.  
 WEAP Video on "O" Drive \TRAINING.

**Topics Discussed:**

- 
- 
- 

**Comments:**



# Training Record and Attendance Report

## SENTINEL ENERGY CENTER

Rev: 1    Date: 06/19/17    Training Program    7101.03-SEC-TOL

Note: Attach relevant training materials (syllabus, handout, worksheet, exam, etc.) before filing.

Program Title:	WEAP EMPLOYEE TRAINING
Instructor:	JASMINE OLLA
Date:	7-31-18

Employee Name	Initials	Date	Employee Name	Initials	Date
ABRAHAM ANCHETA	AA	7-31-18			
Adrian Hernandez	AH	7-31-18			

Training Lesson Plan:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Materials and Training Aids Used:  
WEAP TRAINING/Presentation video  
\_\_\_\_\_  
\_\_\_\_\_

Topics Discussed:  
• \_\_\_\_\_  
• \_\_\_\_\_  
• \_\_\_\_\_

Comments:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



# Training Record and Attendance Report

## SENTINEL ENERGY CENTER

Rev: 1	Date: 06/19/17	Training Program	7101.03-SEC-TOL
--------	----------------	------------------	-----------------

Note: Attach relevant training materials (syllabus, handout, worksheet, exam, etc.) before filing.

Program Title:	INITIAL HIRE - SAFETY ORIENTATION & WEAP
Instructor:	LARRY WILSON
Date:	2/11/2019

Employee Name	Initials	Date	Employee Name	Initials	Date
Daigbs Alston	DA	02/11/19			
Adrián Hernandez	AH	2/11/19			

Training Lesson Plan:

SITE/SAFETY ORIENTATION & WEAP REQUIREMENTS

Materials and Training Aids Used:

SENTINEL VIDEO LIBRARY

Topics Discussed:

- INITIAL HIRE AWARENESS OF ABOVE MENTIONED
- 
- 

Comments:





# Training Record and Attendance Report

## SENTINEL ENERGY CENTER

Rev: 1	Date: 06/19/17	Training Program	7101.03-SEC-TOL
--------	----------------	------------------	-----------------

*Note: Attach relevant training materials (syllabus, handout, worksheet, exam, etc.) before filing.*

<b>Program Title:</b>	WEAP Training
<b>Instructor:</b>	Power Point Presentation (Video)
<b>Date:</b>	

Employee Name	Initials	Date	Employee Name	Initials	Date
<i>[Handwritten Signature]</i>	<i>[Handwritten Initials]</i>	<i>8/13/19</i>			

**Training Lesson Plan:**  
 Complete the WEAP Training by watching the video.

**Materials and Training Aids Used:**  
 Power Point and Video Presentation

- Topics Discussed:**
- Overview of biological, cultural, and paleontological resources.
  - Proper precautions on the job
  - LAWS AND REGULATIONS

**Comments:**

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**ATTACHMENT 4**

**LIST OF HAZARDOUS MATERIALS (PER HAZ-1)**

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## Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org: <b>CPV Sentinel Energy Facility</b>	Chemical Location: <b>ADMIN BLDG - AUXILIARY TRANSFORMERS (2 TRANSFORMERS)</b>	CERS ID: <b>10561690</b>
Facility Name: <b>Sentinel Energy Center, LLC</b> 15775 Melissa Ln, North Palm Springs 92258		Facility ID: <b>FA0039040</b>
		Status: <b>Submitted on 2/26/2019 7:58 AM</b>

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities			Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only)		
			Max. Daily	Largest Cont.	Avg. Daily			Component Name	% Wt	EHS CAS No.
	<b>DIELECTRIC FLUID (ENVIROTEMP FR3 FLUID)</b>	<b>Gallons</b>	<b>1100</b>	<b>550</b>	<b>1100</b>		- Physical - Flammable - Health - Respiratory Skin - Sensitization - Health Serious - Eye Damage - Eye Irritation	<b>VEGETABLE OIL</b>	<b>99 %</b>	
	<u>CAS No</u>	<u>State</u> Liquid	<u>Storage Container</u> Other		<u>Pressure</u> Ambient	<u>Waste Code</u>				
		<u>Type</u> Mixture	Days on Site: 365		<u>Temperature</u> Ambient					

## Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org: <b>CPV Sentinel Energy Facility</b> Facility Name: <b>Sentinel Energy Center, LLC</b> 15775 Melissa Ln, North Palm Springs 92258	Chemical Location: <b>ADMIN BUILDING BACKUP BATTERY ROOM</b>	CERS ID: <b>10561690</b> Facility ID: <b>FA0039040</b> Status: <b>Submitted on 2/26/2019 7:58 AM</b>
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DOT Code/Fire Haz. Class	Common Name	Unit	Quantities			Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only)		
			Max. Daily	Largest Cont.	Avg. Daily			Component Name	% Wt	EHS CAS No.
DOT: 8 - Corrosives (Liquids and Solids)	<b>Lead Acid Batteries</b>	<b>Pounds</b>	<b>4260</b>	<b>71</b>	4260		- Physical Flammable - Health - Health Acute Toxicity - Health Reproductive Toxicity - Health Skin Corrosion Irritation - Health Serious Eye Damage Eye Irritation - Health Specific Target Organ Toxicity	SULFURIC ACID	30 %	✓ 7664-93-6
	<u>CAS No</u>	<u>State</u>	<u>Storage Container</u>		<u>Pressure</u>	<u>Waste Code</u>				
		<u>Liquid</u>	<u>Other</u>		<u>Ambient</u>					
		<u>Type</u>			<u>Temperature</u>					
		Mixture	Days on Site: 365		Ambient					

## Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org: <b>CPV Sentinel Energy Facility</b>	Chemical Location: <b>AMMONIA STORAGE AREA</b>	CERS ID: <b>10561690</b>
Facility Name: <b>Sentinel Energy Center, LLC</b>		Facility ID: <b>FA0039040</b>
15775 Melissa Ln, North Palm Springs 92258		Status: <b>Submitted on 2/26/2019 7:58 AM</b>

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities			Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only)		
			Max. Daily	Largest Cont.	Avg. Daily			Component Name	% Wt	EHS CAS No.
DOT: 8 - Corrosives (Liquids and Solids)	<b>AQUEOUS AMMONIA</b>	<b>Pounds</b>	<b>264003.66</b>	<b>92880</b>	216720	- Physical Flammable	AMMONIA, ANHYDROUS	19 %	✓ 7664-41-7	
	<u>CAS No</u> ✓ EHS	<u>State</u>	<u>Storage Container</u>		<u>Pressure</u>	<u>Waste Code</u>	- Health Acute Toxicity			
		Liquid	Aboveground Tank		Ambient		- Health Serious Eye Damage Eye Irritation			
		<u>Type</u>	Mixture		<u>Temperature</u>					
			Days on Site: 365		Ambient					

## Hazardous Materials And Wastes Inventory Matrix Report

<b>CERS Business/Org.</b> CPV Sentinel Energy Facility <b>Facility Name</b> Sentinel Energy Center, LLC 15775 Melissa Ln, North Palm Springs 92258	<b>Chemical Location</b> <b>AT EACH UNIT</b>	<b>CERS ID</b> 10561690 <b>Facility ID</b> FA0039040 <b>Status</b> Submitted on 2/26/2019 7:58 AM
--	---	---

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities			Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only)		
			Max. Daily	Largest Cont.	Avg. Daily			Component Name	% Wt	EHS CAS No.
DOT: 8 - Corrosives (Liquids and Solids)	<b>Biocide (CHEMTREAT CL2156)</b>	<b>Gallons</b>	<b>1200</b>	<b>150</b>	1200		- Health Acute Toxicity	5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE	1 %	26172-55-4
	<u>CAS No</u>	<u>State</u>	<u>Storage Container</u>		<u>Pressure</u>	<u>Waste Code</u>	- Health Skin Corrosion	2-METHYL-4-ISOTHIAZOLIN-3-ONE	0 %	2682-20-4
		<u>Type</u>	Liquid	Aboveground Tank	Ambient		Irritation	MAGNESIUM NITRATE	2 %	10377-60-3
		Mixture	Days on Site: 365		Ambient		- Health Respiratory Skin Sensitization	MAGNESIUM CHLORIDE	1 %	7786-30-3

### Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org: <b>CPV Sentinel Energy Facility</b>	Chemical Location: <b>AT EACH UNIT HAZARDOUS MATERIALS STORAGE AREA</b>	CERS ID: <b>10561690</b>
Facility Name: <b>Sentinel Energy Center, LLC</b>	Facility ID: <b>FA0039040</b>	Status: <b>Submitted on 2/26/2019 7:58 AM</b>
15775 Melissa Ln, North Palm Springs 92258		

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities			Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only)		
			Max. Daily	Largest Cont.	Avg. Daily			Component Name	% Wt	EHS CAS No.
DOT: 2.2 - Nonflammable Gases	<b>NONFLAMMABLE GAS MIXTURE</b>	<b>Pounds</b>	<b>3200</b>	<b>100</b>	3200	- Physical Gas	NITROGEN	81 %	7727-37-6	
	<b>(HYDROGEN/NITROGEN/OXYGEN</b>	<u>State</u>	<u>Storage Container</u>		<u>Pressure</u>	<u>Waste Code</u>	Under Pressure	OXYGEN	24 %	
	<b>)</b>	Gas	Cylinder		> Ambient		- Health Simple	HYDROGEN	4 %	
	<u>CAS No</u>	<u>Type</u>			<u>Temperature</u>		Asphyxiant		1333-74-0	
		Mixture	Days on Site: 365		Ambient					

## Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org: <b>CPV Sentinel Energy Facility</b>	Chemical Location: <b>Chemical skids- generating units</b>	CERS ID: <b>10561690</b>
Facility Name: <b>Sentinel Energy Center, LLC</b>		Facility ID: <b>FA0039040</b>
15775 Melissa Ln, North Palm Springs 92258		Status: <b>Submitted on 2/26/2019 7:58 AM</b>

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities			Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only)		
			Max. Daily	Largest Cont.	Avg. Daily			Component Name	% Wt	EHS CAS No.
DOT: 8 - Corrosives (Liquids and Solids)	<b>Chem Treat CL 14095</b>	<b>Gallons</b>	<b>1250</b>	<b>55</b>	900			sulfuric acid	2 %	7664-93-9
	<u>CAS No</u>	<u>State</u>	<u>Storage Container</u>		<u>Pressure</u>	<u>Waste Code</u>		zinc chloride	1 %	7646-85-7
Corrosive		Liquid	Plastic/Non-metalic Drum		Ambient	135		phosphoric acid	1 %	7664-38-2
		<u>Type</u>			<u>Temperature</u>			benzotriazole	2 %	95-14-7
		Mixture	Days on Site: 365		Ambient					

## Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. <b>CPV Sentinel Energy Facility</b> Facility Name <b>Sentinel Energy Center, LLC</b> 15775 Melissa Ln, North Palm Springs 92258	Chemical Location <b>FIRE WATER PUMP</b>	CERS ID <b>10561690</b> Facility ID <b>FA0039040</b> Status <b>Submitted on 2/26/2019 7:58 AM</b>
--	---	---

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities			Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only)		
			Max. Daily	Largest Cont.	Avg. Daily			Component Name	% Wt	EHS CAS No.
DOT: 3 - Flammable and Combustible Liquids	<b>Diesel Fuel</b>	<b>Gallons</b>	<b>350</b>	<b>350</b>	350		- Physical Flammable			
	<u>CAS No</u> 68334-30-5	<u>State</u> Liquid	<u>Storage Container</u> Aboveground Tank		<u>Pressure</u> Ambient	<u>Waste Code</u>	- Health Carcinogenicity			
		<u>Type</u> Mixture	Days on Site: 365		<u>Temperature</u> Ambient		- Health Acute Toxicity - Health Skin Corrosion Irritation - Health Serious Eye Damage Eye Irritation			

## Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org: <b>CPV Sentinel Energy Facility</b>	Chemical Location: <b>FORKLIFT IN WAREHOUSE</b>	CERS ID: <b>10561690</b>
Facility Name: <b>Sentinel Energy Center, LLC</b>		Facility ID: <b>FA0039040</b>
15775 Melissa Ln, North Palm Springs 92258		Status: <b>Submitted on 2/26/2019 7:58 AM</b>

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities			Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only)		
			Max. Daily	Largest Cont.	Avg. Daily			Component Name	% Wt	EHS CAS No.
DOT: 2.1 - Flammable Gases	<b>LIQUIFIED PETROLEUM GAS</b>	<b>Pounds</b>	<b>67</b>	<b>33.5</b>	<b>67</b>		- Physical Flammable - Physical Gas Under Pressure - Health Simple Asphyxiant			
	<u>CAS No</u> 74-98-6	<u>State</u> Gas	<u>Storage Container</u> Cylinder		<u>Pressure</u> > Ambient	<u>Waste Code</u>				
		<u>Type</u> Pure	Days on Site: 365		<u>Temperature</u> Ambient					

### Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org: <b>CPV Sentinel Energy Facility</b>	Chemical Location: <b>Haz Mat 1</b>	CERS ID: <b>10561690</b>
Facility Name: <b>Sentinel Energy Center, LLC</b>		Facility ID: <b>FA0039040</b>
15775 Melissa Ln, North Palm Springs 92258		Status: <b>Submitted on 2/26/2019 7:58 AM</b>

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities			Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only)		
			Max. Daily	Largest Cont.	Avg. Daily			Component Name	% Wt	EHS CAS No.
DOT: 3 - Flammable and Combustible Liquids	<b>Used lubricating oils</b>	<b>Gallons</b>	<b>28</b>	<b>75</b>	<b>22</b>	<b>75</b>	- Health Carcinogenicity			
Combustible Liquid, Class III-B	<u>CAS No</u> 70514-12-4	<u>State</u> Liquid	<u>Storage Container</u> Plastic/Non-metallic Drum		<u>Pressure</u> Ambient	<u>Waste Code</u>	- Health Reproductive Toxicity			
		<u>Type</u> Pure	Days on Site: 365		<u>Temperature</u> Ambient		- Health Skin Corrosion Irritation - Health Respiratory Skin Sensitization - Health Serious Eye Damage Eye Irritation - Health Specific Target Organ Toxicity - Health Aspiration Hazard - Health Germ Cell Mutagenicity			

## Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org: <b>CPV Sentinel Energy Facility</b> Facility Name: <b>Sentinel Energy Center, LLC</b> 15775 Melissa Ln, North Palm Springs 92258	Chemical Location: <b>Haz Mat Locker</b>	CERS ID: <b>10561690</b> Facility ID: <b>FA0039040</b> Status: <b>Submitted on 2/26/2019 7:58 AM</b>
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DOT Code/Fire Haz. Class	Common Name	Unit	Quantities			Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only)		
			Max. Daily	Largest Cont.	Avg. Daily			Component Name	% Wt	EHS CAS No.
DOT: 3 - Flammable and Combustible Liquids	<b>Motor Oil</b>	<b>Gallons</b>	<b>1000</b>	<b>55</b>	<b>880</b>			VARIOUS LUBRICATING BASE OILS	85 %	6474X-XX-X
Combustible Liquid, Class III-B	<u>CAS No</u>	<u>State</u>	<u>Storage Container</u>		<u>Pressure</u>	<u>Waste Code</u>		ADDITIVE PACKAGE, INCLUDING	15 %	MIXTURE
		Liquid	Plastic/Non-metalic Drum		Ambient	221		ZINC ALKYL DITHIOPHOSPHATE	2 %	68649-42-3
		<u>Type</u>			<u>Temperature</u>					
		Mixture	Days on Site: 365		Ambient					

## Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org: <b>CPV Sentinel Energy Facility</b> Facility Name: <b>Sentinel Energy Center, LLC</b> 15775 Melissa Ln, North Palm Springs 92258	Chemical Location: <b>HAZARDOUS MATERIALS STORAGE AREA</b>	CERS ID: <b>10561690</b> Facility ID: <b>FA0039040</b> Status: <b>Submitted on 2/26/2019 7:58 AM</b>
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DOT Code/Fire Haz. Class	Common Name	Unit	Quantities			Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only)		
			Max. Daily	Largest Cont.	Avg. Daily			Component Name	% Wt	EHS CAS No.
	<b>ZOK MK GAS TURBINE</b>	<b>Gallons</b>	<b>555</b>	<b>264</b>	<b>264</b>		- Health Skin	Isotridecylalcohol, ethoxylated	30 %	9043-30-5
	<b>COMPRESSOR CLEANING FLUID</b>	<u>State</u>	<u>Storage Container</u>		<u>Pressure</u>	<u>Waste Code</u>	Corrosion	3-butoxypropan-2-ol	5 %	5131-66-8
	<u>CAS No</u>	Liquid	Aboveground Tank		Ambient		Irritation			
		<u>Type</u>			<u>Temperature</u>		- Health Serious			
		Mixture	Days on Site: 365		Ambient		Eye Damage Eye Irritation			

### Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org: <b>CPV Sentinel Energy Facility</b> Facility Name: <b>Sentinel Energy Center, LLC</b> 15775 Melissa Ln, North Palm Springs 92258	Chemical Location: <b>HAZARDOUS WASTE STORAGE AREA</b>	CERS ID: <b>10561690</b> Facility ID: <b>FA0039040</b> Status: <b>Submitted on 2/26/2019 7:58 AM</b>
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DOT Code/Fire Haz. Class	Common Name	Unit	Quantities			Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only)		
			Max. Daily	Largest Cont.	Avg. Daily			Component Name	% Wt	EHS CAS No.
	<b>Waste Oil and Debris</b>	<b>Pounds</b>	<b>220</b>	<b>55</b>	<b>55</b>		- Health	OIL	8 %	64742-58-1
	<u>CAS No</u>	<u>State</u>	<u>Storage Container</u>		<u>Pressure</u>	<u>Waste Code</u>	Carcinogenicity	ABSORBENTS	90 %	
		Solid	Steel Drum		Ambient	223	- Health			
		<u>Type</u>			<u>Temperature</u>		Reproductive			
		Waste	Days on Site: 365		Ambient		Toxicity			
							- Health Skin			
							Corrosion			
							Irritation			
							- Health			
							Respiratory Skin			
							Sensitization			
							- Health Serious			
							Eye Damage Eye			
							Irritation			
							- Health Specific			
							Target Organ			
							Toxicity			
							- Health			
							Aspiration Hazard			
							- Health Germ			
							Cell Mutagenicity			
							- Health Hazard			
							Not Otherwise Classified			
	<b>Waste Oil</b>	<b>Gallons</b>	<b>220</b>	<b>55</b>	<b>55</b>		- Health	OIL	10 %	64742-58-1
	<u>CAS No</u>	<u>State</u>	<u>Storage Container</u>		<u>Pressure</u>	<u>Waste Code</u>	Carcinogenicity			
		Liquid	Steel Drum		Ambient	221	- Health			
		<u>Type</u>			<u>Temperature</u>		Reproductive			
		Waste	Days on Site: 365		Ambient		Toxicity			
							- Health Skin			
							Corrosion			
							Irritation			
							- Health			
							Respiratory Skin			
							Sensitization			
							- Health Serious			
							Eye Damage Eye			
							Irritation			
							- Health Specific			
							Target Organ			
							Toxicity			
							- Health			
							Aspiration Hazard			
							- Health Germ			
							Cell Mutagenicity			

## Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. <b>CPV Sentinel Energy Facility</b> Facility Name <b>Sentinel Energy Center, LLC</b> 15775 Melissa Ln, North Palm Springs 92258	Chemical Location <b>HAZARDOUS WASTE STORAGE AREA</b>	CERS ID: <b>10561690</b> Facility ID: <b>FA0039040</b> Status: <b>Submitted on 2/26/2019 7:58 AM</b>
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DOT Code/Fire Haz. Class	Common Name	Unit	Quantities			Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only)		
			Max. Daily	Largest Cont.	Avg. Daily			Component Name	% Wt	EHS CAS No.
	<b>WASTE OIL AND WATER FROM OIL/WATER SEPARATOR</b>	<b>Gallons</b>	<b>55</b>	<b>150</b>	<b>35</b>		- Health	OIL	10 %	64742-58-1
	<u>CAS No</u>	<u>State</u>	<u>Storage Container</u>		<u>Pressure</u>	<u>Waste Code</u>	Carcinogenicity			
		Liquid	Steel Drum		Ambient	221	- Health			
		<u>Type</u>			<u>Temperature</u>		Reproductive			
		Waste	Days on Site: 365		Ambient		Toxicity			
							- Health Skin			
							Corrosion			
							Irritation			
							- Health			
							Respiratory Skin			
							Sensitization			
							- Health Serious			
							Eye Damage Eye			
							Irritation			
							- Health Specific			
							Target Organ			
							Toxicity			
							- Health			
							Aspiration Hazard			
							- Health Germ			
							Cell Mutagenicity			

### Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org: <b>CPV Sentinel Energy Facility</b>	Chemical Location: <b>ROTATING EQUIPMENT</b>	CERS ID: <b>10561690</b>
Facility Name: <b>Sentinel Energy Center, LLC</b>		Facility ID: <b>FA0039040</b>
15775 Melissa Ln, North Palm Springs 92258		Status: <b>Submitted on 2/26/2019 7:58 AM</b>

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities			Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only)		
			Max. Daily	Largest Cont.	Avg. Daily			Component Name	% Wt	EHS CAS No.
	<b>Lube Oil</b>	<b>Gallons</b>	<b>70000</b>	<b>8270</b>	70000	- Health Reproductive	RESIDUAL OILS (PETROLEUM),	60 %	64742-62-7	
	<u>CAS No</u>	<u>State</u>	<u>Storage Container</u>		<u>Pressure</u>	<u>Waste Code</u>	TOXICITY			
		Liquid	Other		Ambient		- Health Specific			
		<u>Type</u>			<u>Temperature</u>		Target Organ			
		Mixture	Days on Site: 365		Ambient		Toxicity	RESIDUAL OILS (PETROLEUM),	60 %	
								HYDROTREATED SPENT		
								RESIDUAL OILS (PETROLEUM),		
								HYDROTREATED		

## Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org: <b>CPV Sentinel Energy Facility</b>	Chemical Location: <b>SWITCH YARD RELAY &amp; CONTROL BUILDING</b>	CERS ID: <b>10561690</b>
Facility Name: <b>Sentinel Energy Center, LLC</b>		Facility ID: <b>FA0039040</b>
15775 Melissa Ln, North Palm Springs 92258		Status: <b>Submitted on 2/26/2019 7:58 AM</b>

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities			Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only)		
			Max. Daily	Largest Cont.	Avg. Daily			Component Name	% Wt	EHS CAS No.
DOT: 8 - Corrosives (Liquids and Solids)	<b>Lead Calcium Batteries</b>	<b>Pounds</b>	<b>6600</b>	<b>110</b>	<b>6600</b>		- Physical Flammable - Health Carcinogenicity - Health Acute Toxicity - Health Reproductive Toxicity - Health Skin Corrosion Irritation - Health Specific Target Organ Toxicity	SULFURIC ACID	8 %	✓ 7664-93-6
	<u>CAS No</u>	<u>State</u>	<u>Storage Container</u>		<u>Pressure</u>	<u>Waste Code</u>				
		Liquid	Other		Ambient					
		<u>Type</u>			<u>Temperature</u>					
		Mixture	Days on Site: 365		Ambient					

## Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org: <b>CPV Sentinel Energy Facility</b> Facility Name: <b>Sentinel Energy Center, LLC</b> 15775 Melissa Ln, North Palm Springs 92258	Chemical Location: <b>SWITCH YARD TRANSFORMERS</b>	CERS ID: <b>10561690</b> Facility ID: <b>FA0039040</b> Status: <b>Submitted on 2/26/2019 7:58 AM</b>
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DOT Code/Fire Haz. Class	Common Name	Unit	Quantities			Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only)		
			Max. Daily	Largest Cont.	Avg. Daily			Component Name	% Wt	EHS CAS No.
	<b>DIELECTRIC FLUID (LUMINOL)</b>	<b>Gallons</b>	<b>123000</b>	<b>9600</b>	123000		- Health Skin	Luminol	98 %	521-31-3
	<u>CAS No</u>	<u>State</u>	<u>Storage Container</u>		<u>Pressure</u>	<u>Waste Code</u>	Corrosion	1,2,3,4-	3 %	119-64-2
		Liquid	Other		Ambient		Irritation	TETRAHYDRONAPHTHALENE		
		<u>Type</u>			<u>Temperature</u>		- Health Serious			
		Mixture	Days on Site: 365		Ambient		Eye Damage Eye Irritation			

### Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org: <b>CPV Sentinel Energy Facility</b>	Chemical Location: <b>SWITCHYARD BREAKERS</b>	CERS ID: <b>10561690</b>
Facility Name: <b>Sentinel Energy Center, LLC</b>		Facility ID: <b>FA0039040</b>
15775 Melissa Ln, North Palm Springs 92258		Status: <b>Submitted on 2/26/2019 7:58 AM</b>

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities			Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only)		
			Max. Daily	Largest Cont.	Avg. Daily			Component Name	% Wt	EHS CAS No.
DOT: 2.2 - Nonflammable Gases	<b>SULFUR HEXAFLUORIDE (SF6)</b>	<b>Pounds</b>	<b>1661</b>	<b>151</b>	1661		- Physical Gas			
	<u>CAS No</u> 2551-62-4	<u>State</u> Gas	<u>Storage Container</u> Other		<u>Pressure</u> > Ambient	<u>Waste Code</u>	Under Pressure			
		<u>Type</u> Pure	Days on Site: 365		<u>Temperature</u> Ambient		- Health Simple			
							Asphyxiant			

### Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org: <b>CPV Sentinel Energy Facility</b>	Chemical Location: <b>UNIT 1-8</b>	CERS ID: <b>10561690</b>
Facility Name: <b>Sentinel Energy Center, LLC</b>		Facility ID: <b>FA0039040</b>
15775 Melissa Ln, North Palm Springs 92258		Status: <b>Submitted on 2/26/2019 7:58 AM</b>

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities			Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only)		
			Max. Daily	Largest Cont.	Avg. Daily			Component Name	% Wt	EHS CAS No.
DOT: 2.2 - Nonflammable Gases	<b>Carbon Dioxide</b>	<b>Pounds</b>	<b>8000</b>	<b>100</b>	8000		- Physical Gas			
	<u>CAS No</u>	<u>State</u>	<u>Storage Container</u>		<u>Pressure</u>	<u>Waste Code</u>	Under Pressure			
	124-38-9	Gas	Cylinder		> Ambient					
		<u>Type</u>	Days on Site: 365		<u>Temperature</u>					
	Pure			Ambient						
DOT: 8 - Corrosives (Liquids and Solids)	<b>Corrosion Inhibitor (CHEMTREAT CL1409)</b>	<b>Gallons</b>	<b>1200</b>	<b>150</b>	1200		- Health Acute Toxicity	PHOSPHORIC ACID	5 %	7664-38-2
	<u>CAS No</u>	<u>State</u>	<u>Storage Container</u>		<u>Pressure</u>	<u>Waste Code</u>	- Health Skin Corrosion	ZINC CHLORIDE	5 %	7646-85-7
		Liquid	Tote Bin		Ambient		Irritation	SULFURIC ACID	5 %	✓ 7664-93-9
		<u>Type</u>	Days on Site: 365		<u>Temperature</u>		- Health Serious	BENZOTRIAZOLE	5 %	95-14-7
	Mixture			Ambient		Eye Damage Eye Irritation				

## Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org: <b>CPV Sentinel Energy Facility</b>	Chemical Location: <b>UNIT 1-8 AND RAW WATER CHEMICAL TREATMENT SYSTEM</b>	CERS ID: <b>10561690</b>
Facility Name: <b>Sentinel Energy Center, LLC</b>		Facility ID: <b>FA0039040</b>
15775 Melissa Ln, North Palm Springs 92258		Status: <b>Submitted on 2/26/2019 7:58 AM</b>

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities			Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only)		
			Max. Daily	Largest Cont.	Avg. Daily			Component Name	% Wt	EHS CAS No.
DOT: 8 - Corrosives (Liquids and Solids)	<b>Biocide (CHEMTREAT CL49)</b>	<b>Gallons</b>	<b>1350</b>	<b>150</b>	1350		- Physical Corrosive To	SODIUM CHLOROSULFAMATE	10 %	17172-27-9
	<u>CAS No</u>	<u>State</u>	<u>Storage Container</u>		<u>Pressure</u>	<u>Waste Code</u>	Metal	SODIUM BROMOSULFAMATE	13 %	134509-56-1
		Liquid	Aboveground Tank		Ambient		- Health Acute Toxicity	SODIUM HYDROXIDE	10 %	1310-73-2
		<u>Type</u>	Mixture	Days on Site: 365	Ambient		- Health Skin Corrosion Irritation			
							- Health Serious Eye Damage Eye Irritation			

## Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. <b>CPV Sentinel Energy Facility</b>	Chemical Location <b>Unit 1-8, ZLD, Raw Water Pump, Hazmat Storage #2</b>	CERS ID <b>10561690</b>
Facility Name <b>Sentinel Energy Center, LLC</b>		Facility ID <b>FA0039040</b>
<b>15775 Melissa Ln, North Palm Springs 92258</b>		Status <b>Submitted on 2/26/2019 7:58 AM</b>

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities			Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only)			
			Max. Daily	Largest Cont.	Avg. Daily			Component Name	% Wt	EHS	CAS No.
DOT: 8 - Corrosives (Liquids and Solids)	<b>Sulfuric Acid Solution (93%)</b>	<b>Pounds</b>	<b>31050</b>	<b>3450</b>	31050		- Physical Corrosive To Metal - Health Skin Corrosion Irritation - Health Serious Eye Damage Eye Irritation	SULFURIC ACID	93 %	<input checked="" type="checkbox"/>	7332-18-5
	<u>CAS No</u>		<u>State</u>	<u>Storage Container</u>	<u>Pressure</u>	<u>Waste Code</u>					
			Liquid	Aboveground Tank	Ambient						
			<u>Type</u>	Days on Site: 365	<u>Temperature</u>						
			Mixture		Ambient						

### Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org <b>CPV Sentinel Energy Facility</b>	Chemical Location <b>UNIT CONTROL ELECTRICAL ROOM (PCM) AT EACH UNIT</b>	CERS ID <b>10561690</b>
Facility Name <b>Sentinel Energy Center, LLC</b>	Facility ID <b>FA0039040</b>	Status <b>Submitted on 2/26/2019 7:58 AM</b>
15775 Melissa Ln, North Palm Springs 92258		

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities			Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only)			
			Max. Daily	Largest Cont.	Avg. Daily			Component Name	% Wt	EHS	CAS No.
DOT: 8 - Corrosives (Liquids and Solids)	<b>Lead Acid Batteries (1632)</b>	<b>Pounds</b>	<b>91039.488</b>	<b>11379.9936</b>	<b>91039.488</b>		- Physical Flammable	SULFURIC ACID	60 %	✓	7664-93-6
	<u>CAS No</u>	<u>State</u>	<u>Storage Container</u>		<u>Pressure</u>	<u>Waste Code</u>	- Health				
		Liquid	Other		Ambient		Carcinogenicity				
		<u>Type</u>			<u>Temperature</u>		- Health Acute				
		Mixture	Days on Site: 365		Ambient		Toxicity				
							- Health				
							Reproductive				
							Toxicity				
							- Health Skin				
							Corrosion				
							Irritation				
							- Health Specific				
							Target Organ				
							Toxicity				

## Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org: <b>CPV Sentinel Energy Facility</b>	Chemical Location: <b>Warehouse</b>	CERS ID: <b>10561690</b>
Facility Name: <b>Sentinel Energy Center, LLC</b>		Facility ID: <b>FA0039040</b>
15775 Melissa Ln, North Palm Springs 92258		Status: <b>Submitted on 2/26/2019 7:58 AM</b>

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities			Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only)		
			Max. Daily	Largest Cont.	Avg. Daily			Component Name	% Wt	EHS CAS No.
	<b>Chemsol 6020</b>	<b>Pounds</b>	<b>4400</b>	<b>2200</b>	4000			POLYDIMETHYLSILOXANE	5 %	
	<u>CAS No</u>	<u>State</u>	<u>Storage Container</u>		<u>Pressure</u>	<u>Waste Code</u>				
		Solid	Box		Ambient					
		<u>Type</u>			<u>Temperature</u>					
		Pure	Days on Site: 365		Ambient					

## Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org: <b>CPV Sentinel Energy Facility</b> Facility Name: <b>Sentinel Energy Center, LLC</b> 15775 Melissa Ln, North Palm Springs 92258	Chemical Location: <b>ZLD</b>	CERS ID: <b>10561690</b> Facility ID: <b>FA0039040</b> Status: <b>Submitted</b> on 2/26/2019 7:58 AM
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DOT Code/Fire Haz. Class	Common Name	Unit	Quantities			Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only)		
			Max. Daily	Largest Cont.	Avg. Daily			Component Name	% Wt	EHS CAS No.
	<b>Defoamer (CHEMTREAT FO281)</b>	<b>Gallons</b>	<b>60</b>	<b>60</b>	<b>60</b>		- Health Acute	SILICONE DIOXIDE	5 %	112926-00-8
	<u>CAS No</u>	<u>State</u>	<u>Storage Container</u>		<u>Pressure</u>	<u>Waste Code</u>	Toxicity	Polyoxyethylene sorbitan monolaurate	10 %	9005-64-5
		Liquid	Aboveground Tank		Ambient		- Health			
		<u>Type</u>			<u>Temperature</u>		Respiratory Skin			
		Mixture	Days on Site: 365		Ambient		Sensitization			
							- Health Serious			
							Eye Damage Eye			
							Irritation			
DOT: 8 - Corrosives (Liquids and Solids)	<b>Sodium Hydroxide (25% Solution)</b>	<b>Gallons</b>	<b>150</b>	<b>150</b>	<b>150</b>		- Health Acute	SODIUM HYDROXIDE	25 %	1310-73-2
	<u>CAS No</u>	<u>State</u>	<u>Storage Container</u>		<u>Pressure</u>	<u>Waste Code</u>	Toxicity			
		Liquid	Aboveground Tank		Ambient		- Health Skin			
		<u>Type</u>			<u>Temperature</u>		Corrosion			
		Mixture	Days on Site: 365		Ambient		Irritation			
							- Health			
							Respiratory Skin			
							Sensitization			
							- Health Serious			
							Eye Damage Eye			
							Irritation			

## Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. <b>CPV Sentinel Energy Facility</b>	Chemical Location <b>ZLD, Raw Water Pump</b>	CERS ID <b>10561690</b>
Facility Name <b>Sentinel Energy Center, LLC</b>		Facility ID <b>FA0039040</b>
15775 Melissa Ln, North Palm Springs 92258		Status <b>Submitted on 2/26/2019 7:58 AM</b>

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities			Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only)		
			Max. Daily	Largest Cont.	Avg. Daily			Component Name	% Wt	EHS CAS No.
	<b>LIQUID CALCIUM CHLORIDE SOLUTION 35%</b>	<b>Gallons</b>	<b>1420</b>	<b>1090</b>	<b>1420</b>		- Health Serious Eye Damage Eye Irritation	CALCIUM CHLORIDE	35 %	10043-52-4
	<u>CAS No</u>	<u>State</u>	<u>Storage Container</u>		<u>Pressue</u>	<u>Waste Code</u>				
		Liquid	Aboveground Tank		Ambient					
		<u>Type</u>			<u>Temperature</u>					
		Mixture	Days on Site: 365		Ambient					

## Safety Data Sheets (SDS) - by Type

Sheet Location	Product Type	PRODUCT FULL NAME	Distributor/Supplier - CO	ACTIVE
BOOK 1	ADHESIVE	HI-STRENGTH SPRAY ADHESIVE	3M	Y
BOOK 1	ADHESIVE	SUPER 77 MULTIPURPOSE ADHESIVE	3M	Y
BOOK 3	PAINT	7008 BRITE GALVANIVE COATING 65% ZINC RICH	AERVOE	Y
BOOK 1	CLEANER	PURPLE POWER INDUSTRIAL STRENGTH CLEANER/DEGREASER	AIKEN CHEMICAL COMPANY	Y
BOOK 2	GAS	AMMONIA	AIRGAS	Y
BOOK 1	AMMONIA	AMMONIUM HYDROXIDE	AIRGAS	Y
BOOK 2	GAS	CARBON DIOXIDE	AIRGAS	Y
BOOK 2	GAS	OXYGEN	AIRGAS	Y
BOOK 2	GAS	PROPANE	AIRGAS	Y
BOOK 1	CLEANER	AJAX PALMOLIVE DISH SOAP	AJAX	Y
BOOK 1	BATTERY	Valve Regulated Lead Acid Battery	ALPHA	Y
BOOK 1	ADHESIVE	VISCOSINE - GEN AIR FILTERS	AMERKLEEN	Y
BOOK 3	PAINT	REFLECTIVE PAINT	AMES RESEARCH	Y
BOOK 1	ABSORBENT	AMPHOMAG - MAGNESIUM SULFATE	AMPHOMAG	Y
BOOK 3	SEALANT	PYRO-PUTTY	AREMCO PRODUCTS, INC	
BOOK 1	CLEANER	ARMOR ALL PROTECTANT	ARMOR ALL	Y
BOOK 1	ADHESIVE	S-515 CLEAR THIN SPREAD FLOOR TILE ADHESIVE	ARMSTRONG	Y
BOOK 4	WATER TREATMENT	DREWPLUS ED750 FOAM CONTROL AGENT	ASHLAND	Y
BOOK 4	WATER TREATMENT	ZINC CHLORIDE	ATLAS CHEMICAL	Y
BOOK 2	FIRST AID	BANANA BOAT SUNSCREEN	BANANA BOAT	Y
BOOK 3	SOLVENT	KLEAN STRIP DENATURED ALCOHOL	BARR	Y
BOOK 3	SOLVENT	KLEAN STRIP MINERAL SPIRITS	BARR	Y
BOOK 1	CLEANER	SIGHT SAVERS BRAND PREMOISTENED LENS CLEANING TISSUE	BAUSCH & LOMB	Y
BOOK 3	PAINT	INTERIOR WHITE PAINT 2750	BEHR	Y
BOOK 3	PAINT	INTERIOR WHITE PAINT 3750	BEHR	Y
BOOK 3	PAINT	BELZONA 5811 IMMERSION GRADE	BELZONA	Y
BOOK 3	PAINT	SPRAY COLOR ENAMEL	.BLP	Y
BOOK 1	ADHESIVE	BONDERITE GP460	BONDERITE	Y
BOOK 1	CLEANER	BRIGHTON PROFESSIONAL ANTIBACTERIAL SOAP	BRIGHTON PROFESSIONAL	Y
BOOK 3	PAINT	TZe CASSETTE (LABEL TAPE)	BROTHER	Y
BOOK 1	BATTERY	FLOODED LEAD-CALCIUM BATTERY	C&D TECHNOLOGIES INC	Y
BOOK 1	CLEANER	CANTESCO LEAK DETECTION COMPOUND	CANTESCO	Y
BOOK 4	WATER TREATMENT	CHEMTREAT BL197 (BOILER ANTIFOAM)	CHEMTREAT	Y
BOOK 4	WATER TREATMENT	CHEMTREAT BL8700	CHEMTREAT	Y
BOOK 4	WATER TREATMENT	CHEMTREAT CL1409 (INHIBITOR)	CHEMTREAT	Y

BOOK 4	WATER TREATMENT	CHEMTREAT CL14095 (INHIBITOR) (Premixed)	CHEMTREAT	Y
BOOK 4	WATER TREATMENT	CHEMTREAT CL2156 (AH BIOCIDE)	CHEMTREAT	Y
BOOK 4	WATER TREATMENT	CHEMTREAT CL241 (PASSIVATION)	CHEMTREAT	Y
BOOK 4	WATER TREATMENT	CHEMTREAT CL4125 (PASSIVATION)	CHEMTREAT	Y
BOOK 4	WATER TREATMENT	CHEMTREAT CL450 (PASSIVATION)	CHEMTREAT	Y
BOOK 4	WATER TREATMENT	CHEMTREAT CL49 (MAIN BIOCIDE)	CHEMTREAT	Y
BOOK 4	WATER TREATMENT	CHEMTREAT FO281(ANTI FOAM)	CHEMTREAT	Y
BOOK 4	WATER TREATMENT	CHEMTREAT FO321 (ANTI FOAM)	CHEMTREAT	Y
BOOK 4	WATER TREATMENT	QUADRASPERSE CL4830 (PASSIVATION)	CHEMTREAT	Y
BOOK 3	OIL	CHEVRON RANDO HD	CHEVRON	Y
BOOK 2	FUEL	DIESEL FUEL No. 2	CHEVRON	Y
BOOK 4	WATER TREATMENT	SODIUM BICARBONATE	CHURCH & DWIGHT CO.	Y
BOOK 2	LUBRICANT	CLC LUBRICANTS	CLC	Y
BOOK 1	CLEANER	CLOROX 4-IN-ONE DISINFECTANT	CLOROX	Y
BOOK 1	CLEANER	CLOROX COMMERCIAL SOLUTIONS - CLOROX GERMICIDAL BLEACH	CLOROX	Y
BOOK 1	CLEANER	ALL PURPOSE CLEANER FABULOSO-LAVENDER	COLGATE	Y
BOOK 1	CLEANER	FABULOSO ALL-PURPOSE CLEANER SPRAY	COLGATE	Y
BOOK 1	CLEANER	NON-ANTIBACTERIAL LIQUID HAND SOAP	COLGATE	Y
BOOK 4	WATER TREATMENT	Selective Catalytic Reduction Catalyst	CORMETECH	Y
BOOK 2	LUBRICANT	3-36 MULTI PURPOSE LUBRICANT AND CORROSION INHIBITOR	CRC	Y
BOOK 1	BATTERY	BATTERY TERMINAL PROTECTOR	CRC	Y
BOOK 2	LUBRICANT	CHAIN AND WIRE LUBE	CRC	Y
BOOK 2	LUBRICANT	DRY MOLY LUBE	CRC	Y
BOOK 2	LUBRICANT	KNOCK'ER LOOSE PENETRATING SOLVENT	CRC	Y
BOOK 1	CLEANER	NON-CHLORINATED, LOW-VOC BRAKE PARTS CLEANER	CRC	Y
BOOK 1	CLEANER	QD CONTACT CLEANER	CRC	Y
BOOK 3	PAINT	RUST CONVERTER	CRC	Y
BOOK 3	OIL	SUPER HEAVY DUTY DOT 4 BRAKE FLUID	CYCLO	Y
BOOK 3	PAINT	DRYDEX SPACKLING	DAP	Y
BOOK 1	ADHESIVE	WELDWOOD ORIGINAL CONTACT CEMENT	DAP	Y
BOOK 3	SEALANT	GRAY, FIBERED WATER BASED DUCT SEALANT	DESIGN POLYMERIC	Y
BOOK 1	CLEANER	ANTIBACTERIAL HAND SOAP	DETERGENT MARKETING SYSTEMS	Y
BOOK 3	PAINT	SPRAY MEDIUM GRAY	DO IT BEST	Y
BOOK 1	ADHESIVE	DOW CORNING® 739 PLASTIC ADHESIVE - WHITE	DOW CORNING	Y
BOOK 2	LUBRICANT	MOLYKOTE D-321 SPRAY	DOW CORNING	Y
BOOK 1	ADHESIVE	SILICONE ELASTOMER	DOW CORNING	Y
BOOK 1	ABSORBENT	DRIERITE	DRIERITE	Y

BOOK 2	LUBRICANT	CHAIN SAVER WAX-BASED LUBE FOR CHAIN DRIVEN VEHICLES WITH TEFLON	DUPONT	Y
BOOK 3	PAINT	FLEXI-DECK 500E PART A	EDISON COATINGS	Y
BOOK 3	PAINT	FLEXI-DECK 500E PART B	EDISON COATINGS	Y
BOOK 3	PAINT	FLEXI-SEAL 510 PART A	EDISON COATINGS	Y
BOOK 3	OIL	ENERPAC HYDRAULIC OIL	ENERPAC	Y
BOOK 1	BATTERY	NONSPILLABLE LEAD-ACID BATTERY	ENERSYS	Y
BOOK 1	CLEANER	EXPO WHITE BOARD CLEANER	EXPO	Y
BOOK 3	OIL	MOBIL 1 10W-30	EXXONMOBIL	Y
BOOK 3	OIL	MOBIL DTE 10 EXCEL 46	EXXONMOBIL	Y
BOOK 3	OIL	MOBIL DTE 220	EXXONMOBIL	Y
BOOK 3	OIL	MOBIL DTE OIL EXTRA HEAVY	EXXONMOBIL	Y
BOOK 3	OIL	MOBIL DTE OIL LIGHT	EXXONMOBIL	Y
BOOK 3	OIL	MOBIL JET OIL II	EXXONMOBIL	Y
BOOK 3	OIL	MOBIL POLYREX EM	EXXONMOBIL	Y
BOOK 3	OIL	MOBIL SHC 634	EXXONMOBIL	Y
BOOK 1	CLEANER	DUST-OFF COMPRESSED GAS	FALCON SAFETY	Y
BOOK 1	ACID	HYDROCHLORIC ACID 37%	FISHER SCIENTIFIC	Y
BOOK 1	CLEANER	Fast Wipes	GOJO	Y
BOOK 1	CLEANER	PURELL INSTANT HAND SANITIZER WITH MOISTURIZERS & VITAMIN E	GOJO	Y
BOOK 1	CLEANER	Scrubbing Wipes	GOJO	Y
BOOK 1	ADHESIVE	STRONGER-FASTER GORILLA GLUE / POLYURETHANE ADHESIVE	GORILLA	Y
BOOK 1	ACID	ACID REAGENT	HACH	Y
BOOK 1	ACID	AMINO ACID F REAGENT	HACH	Y
BOOK 1	ACID	AMINO ACID REAGENT FOR PHOSPHATE SILICA	HACH	Y
BOOK 1	BATTERY	BATTERY, LITHIUM COIN CELL	HACH	Y
BOOK 4	WATER TREATMENT	BENZOTRIAZOLE STANDARD SOLUTION, 500.0mg/l	HACH	Y
BOOK 4	WATER TREATMENT	BUFFER POWDER PILLOWS pH 10.01	HACH	Y
BOOK 4	WATER TREATMENT	BUFFER POWDER PILLOWS pH 4.01	HACH	Y
BOOK 4	WATER TREATMENT	BUFFER POWDER PILLOWS pH 7.00	HACH	Y
BOOK 4	WATER TREATMENT	BUFFER SOLUTION HARDNESS 1 pH 10.1	HACH	Y
BOOK 4	WATER TREATMENT	CALVER 2 CALCIUM INDICATOR	HACH	Y
BOOK 1	ACID	CITRIC ACID	HACH	Y
BOOK 4	WATER TREATMENT	DPD FREE CHLORINE REAGENT	HACH	Y
BOOK 4	WATER TREATMENT	DPD TOTAL CHLORINE REAGENT	HACH	Y
BOOK 4	WATER TREATMENT	EDTA TETRASODIUM SALT 0.800	HACH	Y
BOOK 4	WATER TREATMENT	ELECTRODE FILLING SOLUTIONG 2.44M KCl	HACH	Y
BOOK 4	WATER TREATMENT	FERROVER IRON REAGENT	HACH	Y

BOOK 4	WATER TREATMENT	GLI, INTERNATIONAL'S TEST SOLUTION, 600 mV	HACH	Y
BOOK 4	WATER TREATMENT	MANVER 2 HARDNESS INDICATOR	HACH	Y
BOOK 4	WATER TREATMENT	MOLYBDATE 3 REAGENT FOR SILICA	HACH	Y
BOOK 4	WATER TREATMENT	MOLYBDATE REAGENT	HACH	Y
BOOK 4	WATER TREATMENT	MOLYBDOVANADATE REAGENT	HACH	Y
BOOK 4	WATER TREATMENT	POTASSIUM HYDROXIDE SOLUTION 8 N	HACH	Y
BOOK 4	WATER TREATMENT	SILICA STANDARD SOLUTION	HACH	Y
BOOK 1	ACID	SULFURIC ACID STANDARD SOLUTION, 5.25 N	HACH	Y
BOOK 4	WATER TREATMENT	TITRAVER SOLUTION (SODIUM EDTA)	HACH	Y
BOOK 4	WATER TREATMENT	TRIAZOLE REAGENT	HACH	Y
BOOK 1	ADHESIVE	MP-6 MULTI-PURPOSE CEMENT	HARVEY'S	Y
BOOK 2	LUBRICANT	THREAD CUTTING OIL	HARVEY'S	Y
BOOK 1	ADHESIVE	X 280 B	HBM	Y
BOOK 1	ADHESIVE	GASKET MAKER - ANAEROBIC ADHESIVE	HENKEL	Y
BOOK 3	SEALANT	LOCTITE SF F720 BK	HENKEL	Y
BOOK 3	SEALANT	THREAD SEALANT WITH PTFE	HENKEL	Y
BOOK 3	PAINT	HI TEMP 1027	HI TEMP COATINGS	Y
BOOK 4	WATER TREATMENT	CALCIUM CHLORIDE DIHYDRATE	HILL BROTHERS	Y
BOOK 1	ADHESIVE	RSE DOT ADHESIVE	HILTI	Y
BOOK 1	CLEANER	BLEACH	HOME ESSENTIALS	Y
BOOK 3	SOLVENT	ISOPROPYL RUBBING ALCOHOL USP 70%	HYDROX	Y
BOOK 3	PAINT	POLYURETHANE INT/EXT FLOOR & PORCH E ENAMEL	ICI PAINTS	Y
BOOK 4	WATER TREATMENT	TRISODIUM PHOSPHATE (CRYSTALLINE)	ICL PERFORMANCE	Y
BOOK 3	PAINT	TRANSPARENT STAIN AEROSOL-STEEL BLUE AND STEEL RED	ITW PRO BRANDS	Y
BOOK 1	ADHESIVE	MIRACLE 15-114 AEROSOL ADHESIVE	ITW TACC	Y
BOOK 2	LUBRICANT	NICKEL ANTI-SEIZE LUBRICANT AND THREAD SEALANT	J.C. WHITLAM MANUFACTURING	Y
BOOK 1	AMMONIA	AMMONIUM SULFATE FINES	J.R. SIMPLOT	Y
BOOK 1	ADHESIVE	J-B WELD	J-B WELD	Y
BOOK 1	CLEANER	CLR	JELMAR	Y
BOOK 2	LUBRICANT	KOPR-KOTE	JET-LUBE, INC	Y
BOOK 1	CLEANER	WAX FURNITURE POLISH	JOHNSON DIVERSITY	Y
BOOK 1	CLEANER	JOY MANUAL POT CLEANER	JOY	Y
BOOK 2	LUBRICANT	KROIL AEROSOL	KANO LABS	Y
BOOK 1	CLEANER	FOOD SERVICE OF AMERICA ULTRA BLEACH	KIK INTERNATIONAL	Y
BOOK 1	ACID	MURIATIC ACID (CONTRACTOR STRENGTH)	KIK INTERNATIONAL	Y
BOOK 1	ACID	MURIATIC ACID (POOL ADDITIVE)	KIK INTERNATIONAL	Y
BOOK 3	PAINT	51318 GRAY PRIMER	KRYLON	Y

BOOK 1	ADHESIVE	FLUX-RITE 90 PASTE	LA-CO	Y
BOOK 3	SEALANT	LATICRETE LATASIL AND STONE SEALANT	LATICRETE	Y
BOOK 1	ADHESIVE	LATICRETE 1600 UNSANDED GROUT	LATICRETE	Y
BOOK 1	ADHESIVE	LOCTITE SUPERFLEX RED HIGH TEMP RTV SILICONE ADHESIVE SEALANT	LOCTITE	Y
BOOK 1	ADHESIVE	LOCTITE SUPERGLUE GEL CONTROL	LOCTITE	Y
BOOK 3	SEALANT	POLYSEAMSEAL ALL PURPOSE CAULK	LOCTITE	Y
BOOK 2	LUBRICANT	SILVER ANTI-SEIZE	LOCTITE	Y
BOOK 1	ADHESIVE	SUPER BONDER ADHESIVE	LOCTITE	Y
BOOK 1	ADHESIVE	ACRYLIC ADHESIVE	LORD	Y
BOOK 3	PAINT	GOLD GALVANIZE	LPS	Y
BOOK 2	LUBRICANT	GREASELESS LUBRICANT #1	LPS	Y
BOOK 2	LUBRICANT	HEAVY DUTY LUBRICANT #2	LPS	Y
BOOK 2	LUBRICANT	LUBRIPLATE NO. 105	LUBRIPLATE	Y
BOOK 3	PAINT	SKL-SP1/SKD-52 KIT	MAGNAFLUX	Y
BOOK 1	CLEANER	SUPER POLYMER 85	MAINTEX	Y
BOOK 2	LUBRICANT	BREAK-AWAY PLUS	MANTEK	Y
BOOK 1	CLEANER	G71, GOLD CLASS CAR WASH SHAMPOO & CONDITIONER	MEGUIARS	Y
BOOK 3	PAINT	DURA-SEAL GYMTHANE FINISH	MINIWAX CO	Y
BOOK 2	LUBRICANT	MOBILGREASE 28	MOBIL	Y
BOOK 3	SEALANT	Refractory Ceramic Fiber Product	MORGAN	Y
BOOK 1	BATTERY	Valve Regulated Lead Acid Battery	MTI Systems/GASTON	Y
BOOK 1	ABSORBENT	NEW/PIG MATS	NEW PIG	Y
BOOK 1	CLEANER	SANI CLOTH DISINFECTING WIPES (FRESH AIR SCENT)	NICE-PAK	Y
BOOK 1	CLEANER	GREEN CLEAN	NU-CALGON	Y
BOOK 1	CLEANER	NU-BRITE	NU-CALGON	Y
BOOK 1	ADHESIVE	CPVC MEDIUM ORANGE CEMENT	OATEY	Y
BOOK 1	ADHESIVE	OATEY ALL PURPOSE CEMENT	OATEY	Y
BOOK 3	PAINT	OATEY CLEAR PRIMER	OATEY	Y
BOOK 3	PAINT	OATEY PURPLE PRIMER/CLEANER	OATEY	Y
BOOK 1	ABSORBENT	OIL-DRI SWEEPING COMPOUND	OIL-DRI	Y
BOOK 1	CLEANER	OLD ENGLISH FURNITURE POLISH	OLD ENGLISH	Y
BOOK 3	PAINT	1 SHOT LETTERING ENAMELS	ONE SHOT	Y
BOOK 1	ADHESIVE	RTV SILICONE SEALANT	PACER TECHNOLOGY	Y
BOOK 1	CLEANER	PALMOLIVE TRADITIONAL	PALMOLIVE	Y
BOOK 2	LUBRICANT	PETROLATUM P-16	PANEF	Y
BOOK 3	PAINT	PAPER MATE GEL 300 INK	PAPERMATE	Y
BOOK 1	ABSORBENT	AMMONIA SCRUBBING MEDIA	PERMA PURE	Y

BOOK 3	PAINT	PVC TOUCHUP COMPOUND EXTERIOR GRAY	PLASTI-BOND	Y
BOOK 1	ABSORBENT	ACTIVATED ALUMINA	PNEUMATIC PRODUCTS	Y
BOOK 2	GAS	COMPRESSED GASES n.o.s (Acetylene)	PRAXAIR	Y
BOOK 2	GAS	COMPRESSED GASES n.o.s (NITROGEN, CARBON MONOXIDE)	PRAXAIR	Y
BOOK 2	GAS	COMPRESSED GASES n.o.s (NITROGEN, NITRIC OXIDE)	PRAXAIR	Y
BOOK 2	GAS	COMPRESSED GASES n.o.s (Oxygen)	PRAXAIR	Y
BOOK 1	CLEANER	COMET DEODORIZING POWDER	PROCTOR & GAMBLE	Y
BOOK 1	CLEANER	MR. CLEAN BATH SCRUBBER	PROCTOR & GAMBLE	Y
BOOK 1	CLEANER	MR. CLEAN MAGIC ERASER	PROCTOR & GAMBLE	Y
BOOK 3	PAINT	OLYMPIC 15-YEAR SEMIGLOSS	PROCTOR & GAMBLE	Y
BOOK 3	PAINT	PSX 1001	PROCTOR & GAMBLE	Y
BOOK 3	SEALANT	TEF-PASTE	RAMCO	Y
BOOK 1	BATTERY	LITHIUM CARBON MONO-FLUORIDE BATTERY	RAYOVAC	Y
BOOK 1	CLEANER	LYSOL ANTIBACTERIAL KITCHEN CLEANER	RECKITT BENCKISER	Y
BOOK 1	CLEANER	LYSOL BRAND DISINFECTANT ANTIBACTERIAL KITCHEN CLEANER	RECKITT BENCKISER	Y
BOOK 1	CLEANER	LYSOL BRAND NEUTRA AIR SANITIZING SPRAY	RECKITT BENCKISER	Y
BOOK 1	CLEANER	PROFESSIONAL MOP & GLO FLOOR SURFACE CLEANER	RECKITT BENCKISER	Y
BOOK 1	ADHESIVE	C6 EPOXY ADHESIVE	REDHEAD	Y
BOOK 1	CLEANER	VIPER BRITE	REFRIGERATION TECHNOLOGIES	Y
BOOK 2	LUBRICANT	RAPID TAP	RELTON	Y
BOOK 1	ADHESIVE	HH-66 VINYL CEMENT	R-H PRODUCTS CO. INC	Y
BOOK 1	CLEANER	VINEGAR	RHODES	Y
BOOK 1	CLEANER	GUNK BRAKE PARTS CLEANER	RSC	Y
BOOK 3	PAINT	1987830 FLUORESCENT ORANGE	RUST-OLEUM	Y
BOOK 3	PAINT	312816 GLOSS RICH JADE GREEN	RUST-OLEUM	Y
BOOK 3	PAINT	312818 GLOSS DEEP SLATE	RUST-OLEUM	Y
BOOK 3	PAINT	7724 SAIL BLUE	RUST-OLEUM	Y
BOOK 3	PAINT	7747 SUNBURST YELLOW	RUST-OLEUM	Y
BOOK 3	PAINT	INDUSTRIAL CHOICE AEROSOL - PRIMER	RUST-OLEUM	Y
BOOK 3	SOLVENT	INDUSTRIAL CHOICE AEROSOL - SOLVENT	RUST-OLEUM	Y
BOOK 3	PAINT	NEVERWET BASE COAT	RUST-OLEUM	Y
BOOK 3	PAINT	NEVERWET TOP COAT	RUST-OLEUM	Y
BOOK 3	PAINT	PRO SPRAY PRIMER - FLAT	RUST-OLEUM	Y
BOOK 3	PAINT	PRO SPRAY PRIMER - GLOSS	RUST-OLEUM	Y
BOOK 2	LUBRICANT	NO-OX-ID A-Special	SANCHEM INC	Y
BOOK 1	CLEANER	PLEDGE MULTI-SURFACE EVERDAY CLEANER - CITRUS CLEAN SCENT	SC JOHNSON	Y
BOOK 3	SEALANT	#5050 BALL VALVE SEALANT	SEALWELD CORPORATION	Y

BOOK 2	LUBRICANT	TOTAL-LUBE #911	SEALWELD CORPORATION	Y
BOOK 3	PAINT	16-3395 C-2 SKY WHITE	SEYMOR	Y
BOOK 3	PAINT	16-1617 ORANGE FLUORESENT	SEYMOUR	Y
BOOK 3	PAINT	1987830 FLUORESCENT ORANGE	SEYMOUR	Y
BOOK 3	SOLVENT	SPRAY MATCH SOLVENT	SEYMOUR	Y
BOOK 3	PAINT	SHARPIE MARKERS	SHARPIE	Y
BOOK 3	OIL	SHELL TELLUS S2 M 46	SHELL	Y
BOOK 3	SOLVENT	BUTYL CELLOSOLVE	SHERWIN WILLIAMS	Y
BOOK 3	PAINT	KRYLON INDUSTRIAL CLEAR GLOSS 7900	SHERWIN WILLIAMS	Y
BOOK 3	PAINT	KRYLON INDUSTRIAL IRON GUARD DTM WATER-BASED ANTI-RUST ACRYLIC COATING, SAFETY RED	SHERWIN WILLIAMS	Y
BOOK 3	PAINT	MACROPOXY 646 FAST CURE EPOXY COATING (PART A), MILL WHITE	SHERWIN WILLIAMS	Y
BOOK 3	PAINT	PROMAR 400 INTERIOR LATEX FLAT PAINT, EXTRA WHITE	SHERWIN WILLIAMS	Y
BOOK 3	PAINT	SOLO ACRYLIC SEMI-GLOSS	SHERWIN WILLIAMS	Y
BOOK 3	PAINT	TILE-CLAD HIGH SOLIDS ENAMEL	SHERWIN WILLIAMS	Y
BOOK 3	PAINT	TILE-CLAD HIGH SOLIDS GLOSS	SHERWIN WILLIAMS	Y
BOOK 1	CLEANER	SHINE UP LEMON - FURNITURE	SHINE UP	Y
BOOK 4	WATER TREATMENT	Glycerol	SIGMA-ALDRICH	Y
BOOK 1	ADHESIVE	SIKAFLEX 221	SIKA CORP	Y
BOOK 3	SEALANT	SILITHANE 803 GRAY	SILITHANE	Y
BOOK 1	CLEANER	SIMPLE GREEN LIME SCALE REMOVER	SIMPLE GREEN	Y
BOOK 1	CLEANER	SOFTSOAP NON-ANTIBAC. LIQUID HAND SOAP	SOFTSOAP	Y
BOOK 1	CLEANER	WESTLEY'S BLECHE-WITE	SOPUS	Y
BOOK 1	CLEANER	VIRGINIA SCALE REMOVER	SPORLAN	Y
BOOK 3	SOLVENT	SPOTCHECK CLEANER	SPOTCHECK	Y
BOOK 3	SOLVENT	SPOTCHECK DEVELOPER	SPOTCHECK	Y
BOOK 3	SOLVENT	SPOTCHECK PENETRANT	SPOTCHECK	Y
BOOK 4	WATER TREATMENT	SODIUM NITRATE / NITEROX	SQM - Univar	Y
BOOK 3	PAINT	CHALK - ORANGE	STANLEY	Y
BOOK 1	CLEANER	DUST MOP AND DUST CLOTH TREATMENT	STAPLES	Y
BOOK 1	CLEANER	GLASS & MIRROR CLEANER	STAPLES	Y
BOOK 1	CLEANER	ONE STEP FLOOR CLEANER	STAPLES	Y
BOOK 1	CLEANER	SE61 GLASS CLEANER CONCENTRATE	STAPLES	Y
BOOK 1	CLEANER	STAINLESS STEEL CLEANER	STAPLES	Y
BOOK 2	LUBRICANT	TAP MAGIC PRO TAP	STECO	Y
BOOK 1	CLEANER	CRYSTAL CLEAN DAILY CLEANER (DETERGENT)	STONE PRO	Y
BOOK 3	SOLVENT	ACETONE	SUNNYSIDE	Y
BOOK 1	CLEANER	SIMPLE GREEN CLEAN BUILDING BATHROOM CLEANER CONCENTRATE	SUNSHINE MAKERS	Y

BOOK 2	FUEL	GASOLINE, UNLEADED	TESORO	Y
BOOK 1	ADHESIVE	TITEBOND ORIGINAL WOOD GLUE	TITEBOND	Y
BOOK 3	PAINT	ENDURA-SHIELD II WHITE SERIES 1074 PART A	TNEMEC	Y
BOOK 3	PAINT	ENDURA-SHIELD II WHITE SERIES 1074 PART B	TNEMEC	Y
BOOK 3	PAINT	ENDURA-SHIELD II WHITE SERIES 1075	TNEMEC	Y
BOOK 3	SOLVENT	NO. 42 THINNER	TNEMEC	Y
BOOK 2	LUBRICANT	VASELINE LOTION	UNILEVER	Y
BOOK 1	CLEANER	PUMIE SCOURING STICK	UNITED STATES PUMICE CO.	Y
BOOK 1	ADHESIVE	PRO-POXY 400	UNITEX	Y
BOOK 4	WATER TREATMENT	ANHYDROUS CALCIUM CHLORIDE	UNIVAR	Y
BOOK 4	WATER TREATMENT	CALCIUM CHLORIDE	UNIVAR	Y
BOOK 4	WATER TREATMENT	CAUSTIC SODA (All Grades)	UNIVAR	Y
BOOK 4	WATER TREATMENT	CAUSTIC SODA LIQUID (50%)	UNIVAR	Y
BOOK 4	WATER TREATMENT	MAGNESIUM CHLORIDE	UNIVAR	Y
BOOK 4	WATER TREATMENT	MANGANOUS SULFATE MONOHYDRATE	UNIVAR	Y
BOOK 4	WATER TREATMENT	SODIUM SULFATE ANHYDROUS	UNIVAR	Y
BOOK 1	ACID	SULFURIC ACID	UNIVAR	Y
BOOK 4	WATER TREATMENT	SODIUM CHLORIDE	UNIVAR - Morton Salt	Y
BOOK 4	WATER TREATMENT	TERRA ALBA F&P	US GYPSUM CO.	Y
BOOK 2	LUBRICANT	VAL-TEX 2000 BULK LUBRICANT	VAL-TEX	Y
BOOK 4	WATER TREATMENT	ANTIFREEZE COOLANT	VALVOLINE/ASHLAND	Y
BOOK 2	FIRST AID	GERM-X HAND SANITIZER	VI-JON	Y
BOOK 2	FIRST AID	BURN-JEL	WATER JET	Y
BOOK 1	CLEANER	SUNGLASSES MAXIMUM DURABILITY UHS FLOOR FINISH	WAXIE	Y
BOOK 2	LUBRICANT	WD-40 AEROSOL	WD-40	Y
BOOK 3	SEALANT	BUTYL RUBBER CAULK	WHITE LIGHTNING	Y
BOOK 2	GAS	BERNZOMATIC OXYGEN	WORTHINGTON	Y
BOOK 2	GAS	BERNZOMATIC PROPANE	WORTHINGTON	Y
BOOK 2	GAS	MAP-PRO TORCH FUEL	WORTHINGTON	Y
BOOK 2	FIRST AID	3-IN-1 OINTMENT	ZEE MEDICAL INC.	Y
BOOK 2	FIRST AID	ANTIBACTERIAL MOIST TOWELETTES	ZEE MEDICAL INC.	Y
BOOK 2	FIRST AID	ANTI-DIARRHEAL CAPLETS	ZEE MEDICAL INC.	Y
BOOK 2	FIRST AID	ANTISEPTIC SPRAY	ZEE MEDICAL INC.	Y
BOOK 2	FIRST AID	ANTISEPTIC WIPES	ZEE MEDICAL INC.	Y
BOOK 2	FIRST AID	BURN RELIEF SPRAY, NON AEROSOL	ZEE MEDICAL INC.	Y
BOOK 2	FIRST AID	DERMA FLEUR LOTION	ZEE MEDICAL INC.	Y
BOOK 2	FIRST AID	DILOTAB II TABLETS	ZEE MEDICAL INC.	Y

BOOK 2	FIRST AID	EXTRA STRENGTH UN-ASPIRIN TABLETS	ZEE MEDICAL INC.	Y
BOOK 2	FIRST AID	EYE DROPS	ZEE MEDICAL INC.	Y
BOOK 2	FIRST AID	EYE WASH	ZEE MEDICAL INC.	Y
BOOK 2	FIRST AID	EYE/SKIN BUFFERED FLUSHING SOLUTION	ZEE MEDICAL INC.	Y
BOOK 2	FIRST AID	FIRST AID CREAM	ZEE MEDICAL INC.	Y
BOOK 2	FIRST AID	HYDROCORTISONE CREAM	ZEE MEDICAL INC.	Y
BOOK 2	FIRST AID	IBUTAB TABLETS	ZEE MEDICAL INC.	Y
BOOK 2	FIRST AID	INSTANT ICE PACK	ZEE MEDICAL INC.	Y
BOOK 2	FIRST AID	PAINAID TABLETS	ZEE MEDICAL INC.	Y
BOOK 2	FIRST AID	PEPT-EEZ TABLETS	ZEE MEDICAL INC.	Y
BOOK 2	FIRST AID	SOOTHE-AID LOZENGES	ZEE MEDICAL INC.	Y
BOOK 2	FIRST AID	TRIAL ANTACID TABLETS	ZEE MEDICAL INC.	Y
BOOK 2	FIRST AID	WATER-JEL BURN DRESSING	ZEE MEDICAL INC.	Y
BOOK 2	FIRST AID	WOUNDSEAL POWDER	ZEE MEDICAL INC.	Y
BOOK 3	SOLVENT	ID RED DEGREASER	ZEP	Y
BOOK 1	CLEANER	ZEP ANTIBACTERIAL DISINFECTANT & CLEANER WITH LEMON	ZEP	Y
BOOK 1	CLEANER	ZOK MX	ZOK	Y
BOOK 2	GAS	METHANE - 2.5% (50%LFL) AIR - BALANCE (CALIBRATION GAS)	DET TRONICS	Y

---

**ATTACHMENT 5**

**WASTE MANAGEMENT METHODS AND WASTE MANIFESTS  
(PER WASTE-11)**

---

**From:** [Lily Cardenas](#)  
**To:** [Fong, Jonathan@Energy](mailto:Fong.Jonathan@Energy)  
**Subject:** RE: WASTE-10 Verification

---

Thank you!

*Lily Cardenas*

**EH&S Coordinator**

DGC Operations, LLC  
Sentinel Energy Center  
15775 Melissa Lane  
North Palm Springs, Ca 92258  
[l.cardenas@dgc-ops.com](mailto:l.cardenas@dgc-ops.com)  
Phone: 760-288-7904  
Cell: 760-399-7699

---

**From:** Fong, Jonathan@Energy [mailto:Jonathan.Fong@energy.ca.gov]  
**Sent:** Tuesday, January 26, 2016 7:27 AM  
**To:** Lily Cardenas  
**Cc:** Jason King; Maggie.Fitzgerald@ch2m.com; Tom Walker  
**Subject:** RE: WASTE-10 Verification

Lily-

As requested in CPV Sentinel's letter to the Energy Commission dated December 14, 2015, the CPM approves the request to conduct filter cake annually. In the event there is a change in water supply CPV shall conduct an additional analysis to confirm the criteria for non-hazardous classification.

If you have any questions, please feel free to contact me.

Jonathan Fong  
Compliance Project Manager  
California Energy Commission  
1516 Ninth Street, MS 2000  
Sacramento, CA 95814-5512  
(916) 654-5005 (O)  
(916) 661-8231 (C)  
(916) 654-3882 (F)



---

**From:** Lily Cardenas [mailto:[l.cardenas@dgc-ops.com](mailto:l.cardenas@dgc-ops.com)]

**Sent:** Monday, December 14, 2015 8:04 AM  
**To:** Fong, Jonathan@Energy  
**Cc:** Jason King; [Maggie.Fitzgerald@ch2m.com](mailto:Maggie.Fitzgerald@ch2m.com); Tom Walker  
**Subject:** WASTE-10 Verification

Good Morning,

Attached is a letter requesting a change to the language in WASTE-10 verification, which currently requires disposal documentation be submitted within 10 days of disposal. All supporting documentation is also attached. If you have any questions/concerns do not hesitate to contact me.

Best Regards,

*Lily Cardenas*

**EH&S Coordinator**

DGC Operations, LLC  
CPV Sentinel Energy Project  
15775 Melissa Lane  
North Palm Springs, Ca 92258  
[lcardenas@dgc-ops.com](mailto:lcardenas@dgc-ops.com)  
Phone: 760-288-7904  
Cell: 760-399-7699

December 14, 2015

Jonathan Fong  
Compliance Project Manager  
California Energy Commission  
1516 Ninth Street, MS-2000  
Sacramento, CA 95814-5512

Subject: CPV Sentinel Energy Project (07-AFC-3). WASTE-10 Verification

Dear Mr. Fong,

The CPV Sentinel Energy Project (CPV Sentinel) utilizes a ZLD system to treat two primary waste water streams. One from the oil/water separator, which receives effluent flows from the fuel gas compressor skids, gas turbines and air compressors, and the second from cooling tower blowdowns. The ZLD system removes dissolved and suspended solids from the wastewater, producing process water for reuse (returned to the raw water tank) and a cake by using a filter press to extract water. The filter cake is stored on-site pending disposal.

CPV Sentinel utilizes a Class II landfill in Riverside County, specifically Lamb Canyon Landfill, for disposal of the non-hazardous filter cake. Under Riverside County Ordinance 779, the Riverside County Waste Management Department (RCWMD) has the final authority to determine what materials will be accepted for disposal. The RCWMD previously reviewed analytical data and approved CPV Sentinel's request for disposal of filter cake at the Lamb Canyon Landfill. Please refer to Attachment A for copies of RCWMD approval and analytical results from the most recent sampling event.

The Verification for WASTE-10 currently requires CPV Sentinel to submit documentation of appropriate disposal within ten days of the disposal. CPV Sentinel respectfully requests the CEC approve and allow submittal of filter cake disposal documentation in the Annual Compliance Report. Submittal of the documentation in the Annual Compliance Report is consistent with WASTE-11. Finally, per WASTE-10 and SOIL&WATER-12 Conditions, CPV Sentinel will continue to conduct analysis of the filter cake at least once per year and should there be a change in water supply, CPV Sentinel will conduct additional analysis to confirm the filter cake still meets the criteria for classification as non-hazardous.

Guidance provided by the CEC staff on this matter is appreciated. Please do not hesitate to contact me if you require any additional information or clarification.

Sincerely,  
Tom Walker...

CPV Sentinel LLC - EPA No: CAR000218123										P = .0005, G= .00417, T=1.0		Year 2018	
Audit Period	Manifest Count	Final Rec'd	Manifest Number	Date Waste Shipped	Waste Code	Quantity	Measurement Type	Conversion Factor	Hazardous Tonnage	Date Manifest Sent to DTSC	Monthly Tonnage		
2018	1	2/28/18	011289884FLE	1/26/2018	223	1300	P	0.0005	0.6500	2/28/2018			
2018	1	2/28/18	011289884FLE	1/26/2018	352	800	P	0.0005	0.4000	2/28/2018			
2018	1	2/28/18	011289884FLE	1/26/2018	141	15	P	0.0005	0.0075	2/28/2018	1.0575		
2018	2	3/16/18	011705238FLE	2/19/2018	223	580	P	0.0005	0.2900	2/28/2018			
2018	2	3/16/18	011705238FLE	2/19/2018	122	15	P	0.0005	0.0075	2/28/2018			
2018	2	3/16/18	011705238FLE	2/19/2018	512	15	P	0.0005	0.0075	2/28/2018			
2018	3	3/8/18	011705239FLE	2/19/2018	352	220	P	0.0005	0.1100	2/28/2018	0.4150		
2018	4	3/19/18	011760096FLE	3/5/2018	352	650	P	0.0005	0.3250	3/16/2018			
2018	4	3/19/18	011760096FLE	3/5/2018	352	250	P	0.0005	0.1250	3/16/2018			
2018	5	3/19/18	011760097FLE	3/5/2018	223	1200	P	0.0005	0.6000	3/16/2018			
2018	6	4/5/18	011760098FLE	3/5/2018	181	5	P	0.0005	0.0025	5/23/2018	1.0525		
2018	7	5/14/18	011707920FLE	4/17/2018	331	75	P	0.0005	0.0375	5/24/2018			
2018	8	5/14/18	011714890FLE	4/16/2018	223	1100	P	0.0005	0.5500	5/24/2018			
2018	9	5/14/18	011714892FLE	4/16/2018	352	200	P	0.0005	0.1000	5/23/2018			
2018	10	5/14/18	011714893FLE	4/16/2018	352	100	P	0.0005	0.0500	5/24/2018	0.7375		
2018	11	6/9/18	011901464FLE	6/4/2018	223	350	P	0.0005	0.1750	7/10/2018			
2018	11	6/9/18	011901464FLE	6/4/2018	352	400	P	0.0005	0.2000	7/10/2018			
2018	12	6/9/18	011901465FLE	6/4/2018	352	80	P	0.0005	0.0400	7/10/2018			
2018	13	07/18/18	011901475FLE	6/4/2018	181	10	P	0.0005	0.0050	7/19/2018			
2018	13	07/18/18	011901475FLE	6/4/2018	181	25	P	0.0005	0.0125	7/19/2018	0.4325		
2018	14	8/13/2018	018368047JJK	7/24/2018	352	9000	P	0.0005	4.5000	8/14/2018			
2018	15	8/13/2018	018368048JJK	7/24/2018	352	9000	P	0.0005	4.5000	8/14/2018	9.0000		
2018	16	N/A	Quinn Owned-No #	8/7/2018	221	7	G	0.00417	0.0000	Quinn Reports	0.0000		
2018	17	9/24/18	011888196FLE	9/24/2018	223	1500	P	0.0005	0.7500	10/17/2018			
2018	17	9/24/18	011888196FLE	9/24/2018	122	15	P	0.0005	0.0075	10/17/2018			
2018	17	9/24/18	011888196FLE	9/24/2018	352	1000	P	0.0005	0.5000	10/17/2018			
2018	17	9/24/18	011888196FLE	9/24/2018	352	10	P	0.0005	0.0050	10/17/2018			
2018	18	9/24/18	011888197FLE	9/24/2018	221	700	P	0.0005	0.3500	10/17/2018	1.6125		
2018	19	11-27/18	012243834FLE	10/29/2018	223	600	P	0.0005	0.3000	11/27/2018			
2018	19	11-27/18	012243834FLE	10/29/2018	352	450	P	0.0005	0.2250	11/27/2018			
2018	19	11-27/18	012243834FLE	10/29/2018	512	100	P	0.0005	0.0500	11/27/2018			
2018	20	11/13/18	012243835FLE	10/29/2018	352	600	P	0.0005	0.3000	11/27/2018			
2018	20	11/13/18	012243835FLE	10/29/2018	352	800	P	0.0005	0.4000	11/27/2018			
2018	21	11/27/18	012243837FLE	10/29/2018	221	900	P	0.0005	0.4500	11/27/2018	1.7250		
2018							P	0.0005	0.0000				
2018							P	0.0005	0.0000				
2018							G	0.00417	0.0000				
2018							P	0.0005	0.0000				
2018							P	0.0005	0.0000				
Totals-Tons			Hazardous Waste	Year to date					16.0325		16.0325		
NON-RCRA MANIFESTS-2018													
NON-Hazardous Waste													
Audit Period	Manifest Count	Reference Number	Date Shipped	Waste Code	Quantity	Measurement Type	Conversion Factor	Load Total-Tons	Monthly Total			Description	
2018	1	OC-01221826A	1/22/2018	NH	5000	G	0.00417	20.8500				Brine water	
2018	2	674220	2/19/2018	NH	7	P	0.0005	0.0035				Buffer Powder Pillows	
2018	3	0085182	2/19/2018	CF-NH	35	P	0.0005	0.0175				Fluor. Bulbs	
2018	3	0085182	2/19/2018	DF-NH	12	P	0.0005	0.0060				Mercury Lamps Univ.Waste	
2018	4	128023	3/14/2018	NH	4800	G	0.00417	20.0160				Brine water	
2018	5	0137181	4/16/2018	DF-NH	15	P	0.0005	0.0075				Universal Waste-aerosols	
2018	6	128150	4/17/2018	NH	4800	G	0.00417	20.0160				Brine water	
2018	7	128668	5/1/2018	NH	4800	G	0.00417	20.0160				Brine water	
2018	8	128830	5/11/2018	NH	5000	G	0.00417	20.8500				Brine water	
2018	9	128831	5/14/2018	NH	5000	G	0.00417	20.8500				Brine water	
2018	10	128899	5/15/2018	NH	5000	G	0.00417	20.8500				Brine water	
2018	11	128900	5/16/2018	NH	5000	G	0.00417	20.8500				Brine water	
2018	12	128988	5/17/2018	NH	4000	G	0.00417	16.6800				Brine water	
2018	13	05212018TL	5/21/2018	NH	2250	G	0.00417	9.3825				Brine water	
2018	14	128989	5/22/2018	NH	2500	G	0.00417	10.4250				Brine water	
2018	15	128990	7/1/2018	NH	4800	G	0.00417	20.0160				Brine water	
2018	16	0116762	9/24/2018	NH	10	P	0.0005	0.0050				Universal Waste-aerosols	
2018	17	125905	10/13/2018	NH	3500	G	0.00417	14.5950				Brine water	
2018	18	0148429	10/29/2018	NH	15	P	0.0005	0.0075				Universal Waste-aerosols	
2018	19	0223989	11/27/2018	NH	4500	G	0.00417	18.7650				Blow Down Water NonHaz	
Totals			NonHazardous Waste (Brine Water)					254.2085					

CPV Sentinel LLC - EPA No: CAR000218123						P = .0005, G= .00417, T=1.0		Year 2019			
Audit Period	Manifest Count	Date Waste Shipped	Manifest Number	Waste Code	Quantity	Measurement Type	Conversion Factor	Hazardous Tonnage	Final Signed Copy Rec'd	Date Manifest Sent to DTSC	Monthly Tonnage
2019	1	1/30/2019	009827707FLE	352	380	P	0.0005	0.1900	2/21/19	2/26/2019	
2019	1	1/30/2019	009827707FLE	331	95	P	0.0005	0.0475	2/21/19	2/26/2019	
2019	2	1/30/2019	009827708FLE	221	25	G	0.00417	0.1043	2/21/19	2/26/2019	
2019	2	1/30/2019	009827708FLE	512	140	P	0.0005	0.0700	2/21/19	2/26/2019	
2019	0	1/30/2019	Job# 01-19-00137		40	P	0.0005	0.0200			0.4318
2019	3	5/13/2019	013530736FLE	352	200	P	0.0005	0.1000	6/6/19	6/10/2019	
2019	4	5/13/2019	013530737FLE	181	10	P	0.0005	0.0050	6/6/19	6/10/2019	
2019	4	5/13/2019	013530737FLE	181	5	P	0.0005	0.0025	6/6/19	6/10/2019	
2019	4	5/13/2019	013530737FLE	352	900	P	0.0005	0.4500	6/6/19	6/10/2019	
2019						P	0.0005	0.0000			0.5575
2019	5	8/5/2019	013530682FLE	352	250	P	0.0005	0.1250	8/16/19	8/23/2019	
2019	6	8/5/2019	013530686FLE	181	20	P	0.0005	0.0100	8/19/19	8/23/2019	
2019	6	8/5/2019	013530686FLE	181	20	P	0.0005	0.0100	8/19/19	8/23/2019	
2019	7	8/5/2019	013530683FLE	352	350	P	0.0005	0.1750	8/20/19	8/23/2019	
											0.3200
2019	8	9/3/2019	013786545FLE	181	5	P	0.0005	0.0025			
2019	8	9/3/2019	013786545FLE	181	5	P	0.0005	0.0025			
2019	8	9/3/2019	013786545FLE	352	1500	P	0.0005	0.7500			
2019	8	9/3/2019	013786545FLE	352	5	P	0.0005	0.0025			
2019	9	9/3/2019	013786544FLE	D002, 122	5	P	0.0005	0.0025			
2019						P	0.0005	0.0000			0.7600
2019						G	0.00417	0.0000			
2019						P	0.0005	0.0000			
2019						P	0.0005	0.0000			
2019						G	0.00417	0.0000			
2019						P	0.0005	0.0000			
2019						P	0.0005	0.0000			
2019						G	0.00417	0.0000			
2019						P	0.0005	0.0000			
2019						P	0.0005	0.0000			
<b>Totals-Tons</b>		<b>Year to date</b>	<b>Hazardous Waste</b>					<b>2.0693</b>			<b>2.0693</b>
<b>NON-RCRA MANIFESTS-2018</b>			<b>NON-Hazardous Waste</b>								
Audit Period	Manifest Count	Date Shipped	Reference Number	Waste Code	Quantity	Measurement Type	Conversion Factor	Load Total-Tons	Monthly Total	Description	
2019	1	2/27/2019	NH 0227889	NH	3500	G	0.00417	14.5950	14.60	Blow Down Water NonHaz	
						G	0.00417	0.0000		Buffer Powder Pillows	
2019	2	8/5/2019	WO# DW1904088526	CF-NH	80	P	0.0005	0.0400	0.04	Fluor. Bulbs	
						P	0.0005	0.0000		Mercury Lamps Univ.Waste	
						G	0.00417	0.0000		Brine water	
2019	3	9/3/2019	WO# DW1904573561	DF NH	20	P	0.0005	0.0100	0.01	Universal Waste-aerosols	
						G	0.00417	0.0000		Brine water	
						G	0.00417	0.0000		Brine water	
						G	0.00417	0.0000		Brine water	
						G	0.00417	0.0000		Brine water	
						P	0.0005	0.0000		Universal Waste-aerosols	
						G	0.00417	0.0000		Brine water	
						P	0.0005	0.0000		Universal Waste-aerosols	
						G	0.00417	0.0000		Blow Down Water NonHaz	
								<b>14.6450</b>			

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number <b>CAR000218123</b>	2. Page 1 of <b>1</b>	3. Emergency Response Phone <b>(800) 483-3718</b>	4. Manifest Tracking Number <b>011888197 FLE</b>
----------------------------------	---	--------------------------	--	---

5. Generator's Name and Mailing Address <b>General Energy Center, LLC PO Box 1328 Desert Hot Springs, CA 92240</b>	Generator's Site Address (if different than mailing address) <b>15775 Melissa Lane North Palm Springs, CA 92258</b>
---	--

6. Transporter 1 Company Name <b>Clean Harbors Environmental Services, Inc.</b>	U.S. EPA ID Number <b>MAD039322260</b>
--	---

7. Transporter 2 Company Name	U.S. EPA ID Number
-------------------------------	--------------------

8. Designated Facility Name and Site Address <b>Clean Harbors Wilmington LLC 1737 East Denni Street Wilmington, CA 90744</b>	U.S. EPA ID Number <b>CAD044429835</b>
---	---

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
		No.	Type					
	<b>NON-RCRA HAZARDOUS WASTE, LIQUIDS, (USED OIL)</b>	<b>3</b>	<b>DM</b>	<b>700 P</b>		<b>221</b>		
2.								
3.								
4.								

14. Special Handling Instructions and Additional Information  
**1. CAS 75288 3X 55**

Contract retained by generator confers agency authority on initial transporter to add or substitute additional transporters on generator's behalf

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(p) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offaror's Printed/Typed Name <b>X DORIAN CARLES</b>	Signature <i>[Signature]</i>	Month <b>19</b>	Day <b>24</b>	Year <b>18</b>
--	---------------------------------	--------------------	------------------	-------------------

16. International Shipments  Import to U.S.  Export from U.S. Port of entry/exit: \_\_\_\_\_ Date leaving U.S.: \_\_\_\_\_

17. Transporter Acknowledgment of Receipt of Materials	Signature	Month	Day	Year
Transporter 1 Printed/Typed Name <b>Ramiro Equihua</b>	<i>[Signature]</i>	<b>19</b>	<b>29</b>	<b>18</b>
Transporter 2 Printed/Typed Name	Signature	Month	Day	Year

18. Discrepancy

18a. Discrepancy Indication Space  Quantity  Type  Residue  Partial Rejection  Full Rejection

18b. Alternate Facility (or Generator) Manifest Reference Number: \_\_\_\_\_ U.S. EPA ID Number: \_\_\_\_\_

Facility's Phone: \_\_\_\_\_

18c. Signature of Alternate Facility (or Generator) \_\_\_\_\_ Month \_\_\_\_\_ Day \_\_\_\_\_ Year \_\_\_\_\_

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1. <b>H141</b>	2.	3.	4.
----------------	----	----	----

20. Designated Facility Owner or Operator, Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name <b>Johan Aguirre</b>	Signature <i>[Signature]</i>	Month <b>10</b>	Day <b>8</b>	Year <b>18</b>
--	---------------------------------	--------------------	-----------------	-------------------

9/24/18 - Ru Casey - This is considered Universal Waste - Non HAZ - Not Reportable to DTSC

Site Address: 15775 Melissa Lane  
North Palm Springs, CA 92258

SC PPW 7/12/2018  
WORK ORDER NO. DW1804815914

DOCUMENT NO. 0116762 STRAIGHT BILL OF LADING

TRANSPORTER 1 Clean Harbors Environmental Services, Inc. VEHICLE ID # 5585  
 EPA ID # MAD039322260 TRANS. 1 PHONE (781)792-8000  
 TRANSPORTER 2 \_\_\_\_\_ VEHICLE ID # \_\_\_\_\_  
 EPA ID # \_\_\_\_\_ TRANS. 2 PHONE \_\_\_\_\_

DESIGNATED FACILITY Clean Harbors San Jose LLC			SHIPPER ATTN: Dirk Voss Sentinel Energy Center, LLC		
FACILITY EPA ID # CAD009494310			SHIPPER EPA ID # CAR000216123		
ADDRESS 1021 Berryessa Road			ADDRESS PO Box 1328		
CITY San Jose		STATE CA	ZIP 95133	CITY Desert Hot Springs	
STATE CA		ZIP 92240		STATE CA	
CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
1X05	DF	X	A. UN1950, AEROSOLS, FLAMMABLE, (EACH NOT EXCEEDING 1 L CAPACITY) 2.1, UNIVERSAL WASTE- AEROSOLS	10	P
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		
SPECIAL HANDLING INSTRUCTIONS A.CH1589020ERG#126			EMERGENCY PHONE #: (800) 463-3719		GENERATOR: Sentinel Energy Center, LLC

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER	PRINT DORIAN COLLIS	SIGN <i>[Signature]</i>	DATE 9-24-18
TRANSPORTER 1	PRINT KAMUO EQUINO	SIGN <i>[Signature]</i>	DATE 9-24-18
TRANSPORTER 2	PRINT	SIGN	DATE
RECEIVED BY	PRINT	SIGN	DATE

4

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

1. UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number <b>CA R000218123</b>	2. Page 1 of <b>1</b>	3. Emergency Response Phone <b>(800) 483-3718</b>	4. Manifest Tracking Number <b>011888196 FLE</b>
-------------------------------------	--	--------------------------	--	---

5. Generator's Name and Mailing Address <b>General Energy Center, LLC PO Box 1328 Desert Hot Springs, CA 92240 (760) 600-0330</b>	Generator's Site Address (if different than mailing address) <b>15775 Melissa Lane North Palm Springs, CA 92258</b>
Generator's Phone: <b>ATTN: Dirk Voss</b>	

6. Transporter 1 Company Name <b>Clean Harbors Environmental Services, Inc.</b>	U.S. EPA ID Number <b>MAD039322250</b>
--	---

7. Transporter 2 Company Name	U.S. EPA ID Number
-------------------------------	--------------------

8. Designated Facility Name and Site Address <b>Clean Harbors San Jose LLC 1021 Berrvessa Road San Jose, CA 95133</b>	U.S. EPA ID Number <b>CAD059494310</b>
Facility's Phone: <b>(408) 441-0962</b>	

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
		No.	Type					
X	UN1993, WASTE FLAMMABLE LIQUIDS, N.O.S., (NATURAL GAS CONDENSATE, BENZENE), 3, PG III	5	DM	1500	P	D001	0018	223
X	HQ, UN3268, WASTE CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S., (SODIUM HYDROXIDE, SODIUM BROMOSULFAMATE), 8, PG III (D002)	1	DF	15	P	D002	122	
	NON-RCRA HAZARDOUS WASTE, SOLIDS, (OIL CONTAMINATED SOLIDS)	4	DM	1000	P	352		
	NON-RCRA HAZARDOUS WASTE, SOLIDS, (SULFURIC ACID)	1	DF	10	P	352		

14. Special Handling Instructions and Additional Information:  
 1. CH652679  
 2. CH1586544  
 3. CH657606  
 4. CH633541  
 Contact retained by generator confers authority on initial transporter to add or substitute additional transporters on generator's behalf

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Officer's Printed/Typed Name <b>Dirk Voss</b>	Signature <i>[Signature]</i>	Month <b>19</b>	Day <b>29</b>	Year <b>18</b>
--	---------------------------------	--------------------	------------------	-------------------

16. International Shipments:  Import to U.S.  Export from U.S. Port of entry/exit: \_\_\_\_\_ Date leaving U.S.: \_\_\_\_\_

17. Transporter Acknowledgment of Receipt of Materials	Signature <i>[Signature]</i>	Month <b>9</b>	Day <b>29</b>	Year <b>18</b>
--	---------------------------------	-------------------	------------------	-------------------

18. Discrepancy: 18a. Discrepancy Indication Space  Quantity  Type  Residue  Partial Rejection  Full Rejection

10b. Alternate Facility (or Generator)	U.S. EPA ID Number
Facility's Phone:	
10c. Signature of Alternate Facility (or Generator)	Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1. <b>H141</b>	2. <b>H141</b>	3. <b>H141</b>	4. <b>H141</b>
----------------	----------------	----------------	----------------

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 10a	Signature <i>[Signature]</i>	Month <b>10</b>	Day <b>17</b>	Year <b>18</b>
--	---------------------------------	--------------------	------------------	-------------------

Site Address: 15775 Melissa Lane  
North Palm Springs, CA 92258

SC PPW 7/12/2018

WORK ORDER NO. OW 1806456120

DOCUMENT NO. **0148429**

STRAIGHT BILL OF LADING

TRANSPORTER 1 Clean Harbors Environmental Services, Inc. VEHICLE ID # 5545  
 EPA ID # MAD039322250 TRANS. 1 PHONE (761) 792-5000  
 TRANSPORTER 2 \_\_\_\_\_ VEHICLE ID # \_\_\_\_\_  
 EPA ID # \_\_\_\_\_ TRANS. 2 PHONE \_\_\_\_\_

DESIGNATED FACILITY <u>Clean Harbors San Jose LLC</u>			SHIPPER <u>ATTM:DM Voss</u> <u>Central Energy Center, LLC</u>		
FACILITY EPA ID # <u>CA10009494310</u>			SHIPPER EPA ID # <u>CA1000216123</u>		
ADDRESS <u>5021 Berryessa Road</u>			ADDRESS <u>10155 1328</u>		
CITY <u>San Jose</u>		STATE <u>CA</u>	ZIP <u>95133</u>	CITY <u>Desert Hot Springs</u>	
STATE <u>CA</u>		STATE <u>CA</u>		ZIP <u>92240</u>	
CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
<u>2X05</u>	<u>DF</u>	<u>X</u>	<u>UN1999, AEROSOLS, FLAMMABLE, (CLASS NOT EXCEEDING 1 L CAPACITY), 2.1, UNIVERSAL WASTE- AEROSOLS</u>	<u>15</u>	<u>P</u>
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		
SPECIAL HANDLING INSTRUCTIONS			EMERGENCY PHONE # <u>(800) 469-3719</u> OPERATOR: <u>Central Energy Center, LLC</u>		

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER <u>X</u>	PRINT <u>Cathy Coates</u>	SIGN <u>[Signature]</u>	DATE <u>10-29-18</u>
TRANSPORTER 1	PRINT <u>Ramon Quiros</u>	SIGN <u>[Signature]</u>	DATE <u>10-29-18</u>
TRANSPORTER 2	PRINT	SIGN	DATE
RECEIVED BY	PRINT	SIGN	DATE

4

Please print or type.

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number <b>AZR000210123</b>	2. Page 1 of 1	3. Emergency Response Phone <b>(800) 453-3715</b>	4. Manifest Tracking Number <b>012243835 FLE</b>
5. Generator Name and Mailing Address <b>Enviro Waste, LLC PO Box 1323 Dunwoody, GA 30340 770 600 4330 ATTN: Dirk Voss</b>		Generator's Site Address (if different than mailing address) <b>15775 Melissa Lane North Palm Springs, GA 32260</b>			
6. Transporter 1 Company Name <b>Green Harbor Environmental Services, Inc.</b>		7. Transporter 2 Company Name		U.S. EPA ID Number <b>MA D039322150</b>	U.S. EPA ID Number <b>AZR000003681</b>
8. Designated Facility Name and Site Address <b>Thermax Plastics, Inc. 4301 West Jefferson Street Phoenix, AZ 85043 15001 350-7568</b>		9. Designated Facility Phone		BY: .....	
GENERATOR	9a. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.
	1. NON-HCRA HAZARDOUS WASTE, SOLIDS, (OIL FILTERS)	No.	Type		
		10	DM	600	P
	2. NON-HCRA HAZARDOUS WASTE, SOLIDS, (OIL FILTERS)				
		2	CF	800	P
13. Waste Codes					
14. Site-Specific Instructions and Additional Information <b>2. CHT 1300-43 BY PPW 5548</b>					
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable International and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.					
16. International Shipments <input type="checkbox"/> Import to U.S. <input checked="" type="checkbox"/> Export from U.S.		Generator's/Officer's Printed/Typed Name <b>Casey Carliss</b>		Signature <i>[Signature]</i> Month Day Year <b>10 29 15</b>	
17. Transporter Acknowledgment of Receipt of Materials		Transporter 1 Printed/Typed Name <b>RANDY ESKINOS</b>		Signature <i>[Signature]</i> Month Day Year <b>10 29 15</b>	
18. Discrepancy		18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection		Manifest Reference Number: <b>10-2</b>	
16b. Alternate Facility (or Generator)		Facility's Phone		U.S. EPA ID Number	
18c. Signature of Alternate Facility (or Generator)		Month		Day	
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)		1. H030		2. H030	
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a		Printed/Typed Name <b>Crystal Jarrell</b>		Signature <i>[Signature]</i> Month Day Year <b>11 10 18</b>	

RECEIVED  
NOV 13 2015

BY: .....

GENERATOR  
TRANSPORTER  
DESIGNATED FACILITY

Please print or type.

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number CA R 000218123	2. Page 1 of 1	3. Emergency Response Phone (800) 483-3718	4. Manifest Tracking Number 012243837 FLE
----------------------------------	--	-------------------	---	--

5. Generator's Name and Mailing Address SUNSHINE ENERGY CORP, LLC PO Box 1328 Dartmouth Springs, CA 92240 17807800-0330	Generator's Site Address (if different than mailing address) 18775 Melissa Lane North Palm Springs, CA 92258
---	--

6. Transporter 1 Company Name Clean Harbors Environmental Services, Inc.	U.S. EPA ID Number MAD030322280
---	------------------------------------

7. Transporter 2 Company Name	U.S. EPA ID Number
-------------------------------	--------------------

8. Designated Facility Name and Site Address Clean Harbors Wilmington LLC 1737 East Denni Street Wilmington, CA 90744 Facility's Phone: 3101835-0998	U.S. EPA ID Number CAD04429835
--	-----------------------------------

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit (kg/vol)	13. Waste Codes		
		No.	Type					
	1. NON-RCRA HAZARDOUS WASTE, LIQUIDS, (USED OIL)	3	DM	900	P	221		
	2.							
	3.							
	4.							

14. Special handling instructions and other information  
 Contract retained by generator, complete agency authority on initial transporter to add or substitute additional transporters on generator's behalf

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport, according to applicable International and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offor's Printed/Typed Name X. Casey Carliss	Signature [Signature]	Month Day Year 10 29 18
--	--------------------------	----------------------------

16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S.	Port of entry/exit: Date leaving U.S.:
--	---

17. Transporter Acknowledgment of Receipt of Materials	Signature [Signature]	Month Day Year 10 29 18
--	--------------------------	----------------------------

18. Discrepancy	18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection
-----------------	--

18b. Alternate Facility (or Generator)	U.S. EPA ID Number
--	--------------------

18c. Signature of Alternate Facility (or Generator)	Month Day Year
---	----------------

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)			
1. H141	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in item 18a	Signature [Signature]	Month Day Year 11 13 18
--	--------------------------	----------------------------

EPA Form 309 (Rev. 12-14-12) Previous editions are obsolete. I, the undersigned, hereby certify that I am the appropriate person for and will accept the waste the generator is shipping to the designated facility to generator.

Please print or type.

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number <b>CAR000218123</b>	2. Page 1 of <b>1</b>	3. Emergency Response Phone <b>(800) 483-3718</b>	4. Manifest Tracking Number <b>012243834 FLE</b>			
5. Generator's Name and Mailing Address <b>Sentinel Energy Center, LLC PO Box 1329 Desert Hot Springs, CA 92240</b>			Generator's Site Address (if different than mailing address) <b>15775 Melissa Lane North Palm Springs, CA 92258</b>					
6. Transporter 1 Company Name <b>Clean Harbors Environmental Services, Inc.</b>			U.S. EPA ID Number <b>MAD099322250</b>					
7. Transporter 2 Company Name			U.S. EPA ID Number					
8. Designated Facility Name and Site Address <b>Clean Harbors San Jose LLC 1021 Berryessa Road San Jose, CA 95133</b>			U.S. EPA ID Number <b>CAD059484310</b>					
Facility's Phone: <b>(408) 441-0982</b>								
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
		No.	Type					
x	1. UN1993, WASTE FLAMMABLE LIQUIDS, N.O.S., (NATURAL GAS CONDENSATE, BENZENE), 3, PG III	2	DM	600	P	D001	D018	223
x	2. UN2866, WASTE CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (SODIUM HYDROXIDE, SODIUM DROMOSULFAMATE), 8, PG II (D002)					D002	122	
	3. NON-RCRA HAZARDOUS WASTE, SOLIDS, (OIL CONTAMINATED SOLIDS)	3	DM	450	P	352		
	4. NON-RCRA HAZARDOUS WASTE, SOLIDS, (EMPTY DRUMS)	2	DM	100	P	512		
14. Special Handling Instructions and Additional Information <b>1. CH682879 ERG 1.2B 2XSS</b> <b>2. ER1586544 ERG 1.5B 3XSS</b> <b>3. CH657806 ERG 1.5B 3XSS</b> <b>4. CH62088 ERG 1.5B 3XSS</b> Contact obtained by generator confers agency authority on initial transporter to add or substitute additional transporters on generator's behalf								
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.								
Generator's/Offeror's Printed/Typed Name <b>X Casey Carliss</b>			Signature <i>X Casey Carliss</i>			Month Day Year <b>11/29/18</b>		
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Part of entry/exit: Date leaving U.S.:								
17. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name: <b>X Ramiro Eguigure</b> Signature: <i>Ramiro Eguigure</i> Month Day Year: <b>11/29/18</b> Transporter 2 Printed/Typed Name: Signature: Month Day Year:								
18. Discrepancy								
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection								
18b. Alternate Facility (or Generator) Manifest Reference Number: U.S. EPA ID Number:								
18c. Signature of Alternate Facility (or Generator) Month Day Year:								
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)								
1. <b>H141</b>		2. <b>H141</b>		3. <b>H141</b>		4. <b>H141</b>		
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 16a								
Printed/Typed Name <b>Bob Valenzuela</b>			Signature <i>Bob Valenzuela</i>			Month Day Year <b>11/29/18</b>		

0001/0001

PALM SPRINGS DISPOSAL

12/05/2018 3:25 PM FAX 7603235132



RC DEPT WASTE RES  
16411 LAMB CANYON RD  
BEAUMONT, CA. 92223  
951-485-3200

IES

92563

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture. Weighed at: 16411 Lamb Canyon Road, Beaumont, CA 92223

6569352

FOR CREDIT, ACCOUNTING INFO  
AND DISPOSAL SITE OPERATIONS  
PHONE 1-951-486-3200

Sale

XXXXXXXXXXXX0830  
VISA  
Total: \$ 250.25  
11/26/18  
Inv #: 065009024  
Approved: Galina  
VISA DEBIT  
ATD: 42000000031010  
TVR: 00 00 00 00  
TSI: 68 00

Entry Method: Chip  
09:41:19  
Appr Code: 061758

Site #: 31 LAMB CANYON  
JNT  
Jcode: 81  
JS ROUTINE REFUSE  
FILTER CLAY - A#=061758

Trans #: 661126  
6.35 Tons at \$39.31

09:41:36	11/26/2018
Gross Tons:	20.58 S
Tare Tons:	14.23 K
Net Tons:	6.35
	\$249.50
Amt Due:	\$249.50
Balance:	\$249.50
Process Fee:	\$0.75
Amt Charged:	\$250.25

Customer Copy  
THANK YOU!

CUSTOMER COPY



14310 FREDERICK STREET, MORENO VALLEY, CA 92563

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture. Weighed at: 16411 Lamb Canyon Road, Beaumont, CA 92223

6569352

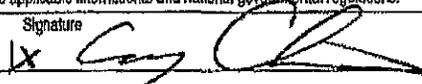
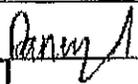
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CS/H

288-7908

Please print or type  
(Form designed for use on 8 1/2 x 11 inch typewriter.)

0211221807

<b>NON-HAZARDOUS WASTE MANIFEST</b>		1. Generator ID Number <b>Not Required</b>	2. Page 1 of <b>1</b>	3. Emergency Response Phone <b>800-624-8136</b>	4. Waste Tracking Number <b>NH 0223989</b>
5. Generator's Name and Mailing Address <b>Sentinel Energy Center PO Box 1328 Desert Hot Springs CA 92240</b>			Generator's Site Address (if different than mailing address) <b>16775 Melissa Lane North Palm Springs CA 92258</b>		
6. Transporter 1 Company Name <b>Patriot Environmental Services</b>		U.S. EPA ID Number <b>CAD053868794</b>			
7. Transporter 2 Company Name		U.S. EPA ID Number			
8. Designated Facility Name and Site Address <b>PATRIOT WASTEWATER-21 314 W. FREEDOM ORANGE CA 92885</b>		U.S. EPA ID Number <b>NOT REQUIRED</b>			
Facility's Phone: <b>714 924 4545</b>					
GENERATOR	9. Waste Shipping Name and Description	10. Containers		11. Total Quantity	12. Unit Wt/Vol.
		No.	Type		
	1. <b>Non-Hazardous Waste, Liquid (Blow Down Water)</b>	<b>001</b>	<b>TT</b>	<b>41500</b>	<b>G</b>
	2.				
	3.				
13. Special Handling Instructions and Additional Information <b>ALWAYS WEAR APPROPRIATE PPE WHEN HANDLING WASTE</b>  <b>Profile Number: FOC-18-0057</b>  <b>Job Number: 21-18-00212</b>					
14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this assignment are true and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.					
Generator/Officer's Printed/Typed Name <b>X Casey Corliss</b>		Signature 		Month	Day Year <b>11   27   18</b>
TRANSPORTER / INT'L	15. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S.		Port of entry/exit: _____ Date leaving U.S.: _____		
	16. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name <b>Frank Salazar</b>		Signature 		Month Day Year <b>11   27   18</b>
	Transporter 2 Printed/Typed Name		Signature		Month Day Year
DESIGNATED FACILITY	17. Discrepancy				
	17a. Discrepancy Indication Spec <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection				
	Manifest Reference Number: _____				
	17b. Alternate Facility (or Generator)		U.S. EPA ID Number		
Facility's Phone: _____					
17c. Signature of Alternate Facility (or Generator)		Month Day Year			
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a					
Printed/Typed Name <b>Anders</b>		Signature 		Month	Day Year <b>11   27   18</b>

GC Labels • Printed in the USA

DESIGNATED FACILITY TO GENERATOR

Reorder Part # MANIFEST-CANHW 819-887-2

RC DEPT WASTE REG  
16411 LAMB CANYON RD  
BEAUMONT, CA, 92223  
951-486-3200

**F**  
**RCES**

CA 92553

**PALM SPRINGS DISPOSAL**  
WEIGHMASTER CERTIFICATE  
THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture. Weighed at: 16411 Lamb Canyon Road, Beaumont, CA 92223

0001/0001  
6608375  
FOR CREDIT, ACCOUNTING INFC  
AND DISPOSAL SITE OPERATION  
PHONE 1-951-486-3200

**Sale**

Site #: 31 LAMB CANYON Trans #: 382955

09:54:54 12/27/2018

XXXXXXXXXXXX0890  
VISA

Entry Method: Chip

COUNT

Gross Tons: 20.28 S

Total: \$ 231.50

Jcode: 83

Tare Tons: 14.41 K

12/27/18  
Inv #: 000000029  
Apprvd: Online

09:54:17  
Appr Code: 073742

ETE/GRAVEL

5.87 Tons at \$39.31

Net Tons: 5.87

\$230.75

VISA DEBIT  
ATD: A000000031010  
TVR: 00 00 00 00  
TST: 68 00

Amt Due: \$230.75

Balance: \$230.75

Process Fee: \$0.75

Amt Charged: \$231.50

CUSTOMER COPY

Customer Copy  
THANK YOU!



14310 FREDERICK STREET, MORENO VALLEY, CA 92553

WEIGHMASTER CERTIFICATE  
THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture. Weighed at: 16411 Lamb Canyon Road, Beaumont, CA 92223

6608375

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HIG

SK SHIP# 227207121



006723921SKS

Form Approved. OMB No. 2050-0039

Please print or type.

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number TXR000081205	2. Page 1 of 1	3. Emergency Response Phone 1-800-458-1760	4. Manifest Tracking Number 006723921 SKS		
5. Generator's Name and Mailing Address SAFETY-KLEEN SYSTEMS, INC. 7979 PALM AVE HIGHLAND CA 92346				Generator's Site Address (if different than mailing address)			
Generator's Phone: 909-862-8300							
6. Transporter 1 Company Name SAFETY-KLEEN SYSTEMS INC				U.S. EPA ID Number TXR000081205			
7. Transporter 2 Company Name				U.S. EPA ID Number			
8. Designated Facility Name and Site Address ADVANCED ENVIRONMENTAL, INC. 13579 WHITTRAM AVENUE FONTANA CA 92335				U.S. EPA ID Number CAT080025711			
Facility's Phone: 909-356-9025							
9a. HM	9b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes	
		No.	Type				
	1. NON-RCRA HAZARDOUS WASTE, LIQUID (USED OIL)	001	TT		6	221	
	2.						
	3.						
	4.						
14. Special Handling Instructions and Additional Information TSD: ADVEXP HIG CSB:							
24H EMERGENCY#800-458-1760-CH/SK/TFI-Contract retained by generator confers agency authority on initial transporter to add or substitute additional transporters on generator's behalf.							
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.							
Generator's/Offeror's Printed/Typed Name Reneado Cardoso				Signature 		Month Day Year 01/23/19	
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: Date leaving U.S.:							
17. Transporter Acknowledgment of Receipt of Materials							
Transporter 1 Printed/Typed Name Reneado Cardoso				Signature 		Month Day Year	
Transporter 2 Printed/Typed Name				Signature		Month Day Year	
18. Discrepancy							
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection							
Manifest Reference Number:							
18b. Alternate Facility (or Generator)				U.S. EPA ID Number			
Facility's Phone:							
18c. Signature of Alternate Facility (or Generator)						Month Day Year	
19. Hazardous Waste Report Management Method Codes (I.e., codes for hazardous waste treatment, disposal, and recycling systems)							
1.		2.		3.		4.	
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a							
Printed/Typed Name				Signature		Month Day Year	

GENERATOR

TRANSPORTER INTL

DESIGNATED FACILITY

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>	1. Generator ID Number <b>CAR000218123</b>	2. Page 1 of <b>1</b>	3. Emergency Response Phone <b>800 624-9136</b>	4. Manifest Tracking Number <b>009827708 FLE</b>
---	---	--------------------------	--	---

5. Generator's Name and Mailing Address <b>Sentinel Energy Center P.O. Box 1328 Desert Hot Springs CA 92240</b>	Alt: <b>Cassy Corliss</b> Generator's Site Address (if different than mailing address) <b>Sentinel Energy Center 16775 Melissa Ln. North Palm Springs CA 92268</b>
Generator's Phone: <b>760 288-7800</b>	

6. Transporter 1 Company Name <b>Patriot Environmental Services</b>	U.S. EPA ID Number <b>CAD053866794</b>
7. Transporter 2 Company Name	U.S. EPA ID Number

8. Designator Facility Name and Site Address <b>CROSBY &amp; OVERTON 1630 WEST 17TH STREET LONG BEACH CA 90813</b>	U.S. EPA ID Number <b>CAD028409019</b>
Facility's Phone: <b>800 827-0729</b>	

RECEIVED

FEB 20 2019

BY: .....

9a. HM	9b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
		No.	Type					
	1. Non RCRA Hazardous Waste, Liquid (Used Oil)	001	DM	025	G	221		
	2. Non RCRA Hazardous Waste, Solid (Empty Drums)	004	DM	140	P	612		
	3. Non RCRA Hazardous Waste, Solid (Empty Drums)		BF		P	512		
	4.							

14. Special Handling Instructions and Additional Information  
 1) Profile# 110735 Used Oil (1 X 55DM)  
 2) Profile# 34499 Empty Metal Drums (4 X 55DM)  
 3) Profile# 34499 Empty Poly Drums  
 Always wear appropriate PPE when handling waste. JOB# 01-19-00137

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Officer's Printed/Typed Name: **Dorian Corliss**  
 Signature: *[Signature]*  
 Month Day Year: **01 30 19**

16. International Shipments  Import to U.S.  Export from U.S. Port of entry/exit: \_\_\_\_\_ Date leaving U.S.: \_\_\_\_\_

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name <b>Edgar Estrada</b>	Signature <i>[Signature]</i>	Month Day Year <b>01 30 19</b>
Transporter 2 Printed/Typed Name	Signature	Month Day Year

18. Discrepancy

18a. Discrepancy Indication Space  Quantity  TYPE REFERENCED WASTE WAS RECEIVED, HANDLED AND STORED FOR SUBSEQUENT OFF-SITE DISPOSAL, TREATMENT OR REUSE CROSBY & OVERTON, IN ACCORDANCE WITH THE FACILITY UNDER REJECTION PERMITS GRANTED TO THEM, BY THE DEPARTMENT OF TOXIC SUBSTANCE CONTROL, TOGETHER WITH THE ENVIRONMENTAL PROTECTION AGENCY IN ACCORDANCE WITH THE PROVISIONS OF THE RESOURCE CONSERVATION AND RECOVERY ACT OF 1976 TOGETHER WITH APPLICABLE FEDERAL AND STATE REGULATIONS. CROSBY & OVERTON HAS A NUMBER OF THE NECESSARY PERMITS TO ACCEPT THE REFERENCED WASTE AND ALL THE WASTE HAS BEEN HANDLED ACCORDINGLY

18b. Alternate Facility (or Generator)  
 Facility's Phone: \_\_\_\_\_  
 18c. Signature of Alternate Facility (or Generator) \_\_\_\_\_ Month Day Year \_\_\_\_\_

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1. <b>H141</b>	2. <b>H141</b>	3.	4.
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20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: **A. GARCIA**  
 Signature: *[Signature]*  
 Month Day Year: **1 30 19**

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator ID Number <b>CAR000218123</b>		2. Page 1 of <b>1</b>		3. Emergency Response Phone <b>800 624-9136</b>		4. Manifest Tracking Number <b>009827707 FLE</b>	
		5. Generator's Name and Mailing Address <b>Sentinel Energy Center P.O. Box 1328 Desert Hot Springs CA 92240</b>				Generator's Site Address (if different than mailing address) <b>Sentinel Energy Center Attn: Casey Corliss Melissa Ln. Desert Hot Springs CA 92258</b>			
6. Transporter 1 Company Name <b>Patriot Environmental Services</b>		Generator's Phone: <b>760 288-7900</b>		<b>RECEIVED FEB 20 2019</b>		U.S. EPA ID Number <b>CAD053886794</b>			
7. Transporter 2 Company Name <b>Industrial Wash Utilization Inc.</b>		BY: <b>[Signature]</b>				U.S. EPA ID Number <b>AD7808523</b>			
8. Designated Facility Name and Site Address <b>AA SYDCOL, LLC 2284 E. 13TH ST. YUMA AZ 85365</b>		Facility's Phone: <b>928 783-3676</b>		U.S. EPA ID Number <b>AZR000520304</b>					
9a. HM		9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))		10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes	
				No.	Type				
		1. Non RCRA Hazardous Waste, Solid (Oily Debris)		002	DM	330	P	352	
		2. Non RCRA Hazardous Waste, Solid (Oil Filters)		001	DM	095	P	331	
		3.							
		4.							
14. Special Handling Instructions and Additional Information 1) Profile # <b>5400473L1</b> Oily Debris (2 X 55 DM) 2) Profile # <b>5400465L1</b> Oil Filters (1 X 55 DM) <b>Always wear appropriate PPE when handling waste. JOB# 01-19-00137</b>									
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.									
Generator's/Officer's Printed/Typed Name <b>DeBria Corliss</b>				Signature <b>[Signature]</b>		Month <b>01</b>	Day <b>30</b>	Year <b>19</b>	
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____									
17. Transporter Acknowledgment of Receipt of Materials									
Transporter 1 Printed/Typed Name <b>Edgar Estrada</b>				Signature <b>[Signature]</b>		Month <b>01</b>	Day <b>30</b>	Year <b>19</b>	
Transporter 2 Printed/Typed Name <b>Rob Thomas</b>				Signature <b>[Signature]</b>		Month <b>1</b>	Day <b>30</b>	Year <b>19</b>	
18. Discrepancy									
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection									
18b. Alternate Facility (or Generator) Manifest Reference Number: _____ U.S. EPA ID Number _____									
18c. Signature of Alternate Facility (or Generator) _____ Month _____ Day _____ Year _____									
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)									
1. <b>H1141</b>		2. <b>H1141</b>		3.		4.			
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a									
Printed/Typed Name <b>OB T...</b>				Signature <b>[Signature]</b>		Month <b>1</b>	Day <b>31</b>	Year <b>19</b>	

Please print or type  
Form designed for use on electronic typewriter

0w0227194

NON-HAZARDOUS  
WASTE MANIFEST

1. Generator ID Number  
Not Required

2. Page 1 of 1

3. Emergency Response Phone  
800-824-9136

4. Waste Tracking Number  
NH 0227889

5. Generator's Name and Mailing Address  
Sentinel Energy Center  
PO Box 1328  
Desert Hot Springs CA 92240

Generator's Site Address (if different than mailing address):  
Att: Matt Mann  
15776 Melissa Lane  
North Palm Springs CA 92258

6. Transporter 1 Company Name  
Patriot Environmental Services

U.S. EPA ID Number  
CAD053866784

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address  
PATRIOT WASTEWATER-21  
314 W. FREEDOM  
ORANGE CA 92885  
Facility's Phone: 714 921-4546

U.S. EPA ID Number  
NOT REQUIRED

9. Waste Shipping Name and Description

10. Containers		11. Total Quantity	12. Unit Wt./Vol.
No.	Type		
001	TT	3,500	G

1. Non-Hazardous Waste, Liquid  
(Blow Down Water)

13. Special Handling Instructions and Additional Information  
ALWAYS WEAR APPROPRIATE PPE WHEN HANDLING WASTE  
Profile Number: POC-18-0057  
Job Number: 21-19-00077

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this shipment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offoror's Printed/Typed Name: Casey Corliss  
Signature: [Signature]  
Month Day Year: 02/27/19

15. International Shipment:  Import to U.S.  Export from U.S.  
Port of entry/text: \_\_\_\_\_  
Data leaving U.S.: \_\_\_\_\_

16. Transporter Acknowledgment of Receipt of Materials  
Transporter 1 Printed/Typed Name: Frank Salazar  
Signature: [Signature]  
Month Day Year: 02/27/19  
Transporter 2 Printed/Typed Name: \_\_\_\_\_  
Signature: \_\_\_\_\_  
Month Day Year: \_\_\_\_\_

17. Discrepancy  
17a. Discrepancy Indication Space:  Quantity  Type  Residue  Partial Rejection  Full Rejection

17b. Alternate Facility (or Generator)  
Facility's Phone: \_\_\_\_\_  
U.S. EPA ID Number: \_\_\_\_\_

17c. Signature of Alternate Facility (or Generator)  
Month Day Year: \_\_\_\_\_

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in item 17a  
Printed/Typed Name: Andrew Darny  
Signature: [Signature]  
Month Day Year: 02/27/19

RC DEPT WASTE RES  
16411 LAMB CANYON RD  
BEAUMONT, CA. 92223  
951-486-3200

**CES**  
92553

WEIGHMASTER CERTIFICATE  
THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.  
Weighed at: 16411 Lamb Canyon Road, Beaumont, CA 92223

6734494

FOR CREDIT, ACCOUNTING INFO  
AND DISPOSAL SITE OPERATIONS  
PHONE 1-951-486-3200

Sale

xxxxxxxxxxxx0090  
VISA

Total: \$

03/19/19  
Inv H: 000000017  
pprvd: Online

ISA DEBIT  
ID: A0000000031010  
R: 00 00 00 00 00  
I: 68 00

Entry Method: Chip  
316.00

08:41:39  
Appr Code: 010213

Site #: 31 LAMB CANYON  
JUNT

Jcode: 83

JUS ROUTINE REFUSE

Trans #: 676692

8.02 Tons at \$39.31

08:41:53 3/19/2019

Gross Tons: 22.43 K

Tare Tons: 14.41 K

Net Tons: 8.02

\$315.25

Amt Due: \$315.25

Balance: \$315.25

Process Fee: \$0.75

Amt Charged: \$316.00

Customer Copy  
THANK YOU!

CUSTOMER COPY



14310 FREDERICK STREET, MORENO VALLEY, CA 92553

WEIGHMASTER CERTIFICATE  
THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.  
Weighed at: 16411 Lamb Canyon Road, Beaumont, CA 92223

6734494

RC DEPT WASTE RES  
16411 LAMB CANYON RD  
BEAUMONT, CA. 92223  
951-486-3200

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.  
Weighed at: 18411 Lamb Canyon Road, Beaumont, CA 92223

[ 6716092 ]

FOR CREDIT, ACCOUNTING INFO  
AND DISPOSAL SITE OPERATIONS  
PHONE 1-951-486-3200

WASTE DISPOSAL OFFICIAL RECEIPT

Sale

XXXXXXXXXXXX0000

VISA

Entry Method: Chip

Total: \$ 222.50

03/12/19

08:52:55

Inv #: 000000010

Appr Code: 032364

Apprvd: Online

VISA DEBIT

AID: A0000000031010

TVR: 80 80 00 80 00

TSI: 68 00

#: 31 LAMB CANYON Trans #: 394670

08:53:06 3/12/2019

Gross Tons: 20.15 S

Tare Tons: 14.51 K

Net Tons: 5.64

Jcode: 83

FINE REFUSE 5.64 Tons at \$39.31

\$221.75

Amt Due: \$221.75

PRINGS DISPOSAL - A#=032364

Balance: \$221.75

Process Fee: \$0.75

Amt Charged: \$222.50

CUSTOMER COPY

Customer Copy

THANK YOU!

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

[ 6716092 ]

DEPARTMENT OF  
WASTE RESOURCES

H18

SK SHIP# 228000332



006940785SKS

Form Approved, OMB No. 2050-0039

Please print or type.

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator ID Number TXR000001205	2. Page 1 of 1	3. Emergency Response Phone 1-800-468-1760	4. Manifest Tracking Number <b>006940785 SKS</b>		
6. Generator's Name and Mailing Address <b>SAFETY-KLEEN SYSTEMS, INC. 7979 PALM AVE HIGHLAND CA 92346</b>				Generator's Site Address (if different than mailing address)			
Generator's Phone: <b>909-862-8300</b>				U.S. EPA ID Number TXR000001205			
8. Transporter 1 Company Name <b>SAFETY-KLEEN SYSTEMS INC</b>				U.S. EPA ID Number			
7. Transporter 2 Company Name				U.S. EPA ID Number			
8. Designated Facility Name and Site Address <b>ADVANCED ENVIRONMENTAL, INC. 13579 WHITTRAM AVENUE FONTANA CA 92335</b>				U.S. EPA ID Number CAT000025711			
Facility's Phone: <b>909-356-9025</b>							
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes	
		No.	Type				
1	<b>NON-RCRA HAZARDOUS WASTE, LIQUID (USED OIL)</b>	<b>001</b>	<b>TT</b>		<b>6</b>	<b>221</b>	
2							
3							
4							
14. Special Handling Instructions and Additional Information <b>TSD:ADVEXP H18 CSB:</b>							
<b>24H EMERGENCY 800-468-1760-CH/SK/TFI-Contract retained by generator confers agency authority on initial transporter to add or substitute additional transporters on generator's behalf.</b>							
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.							
Generator's/Offoror's Printed/Typed Name <b>Romaldo Cardoso</b>				Signature 		Month Day Year <b>10/05/19</b>	
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____							
17. Transporter Acknowledgment of Receipt of Materials							
Transporter 1 Printed/Typed Name <b>Romaldo Cardoso</b>				Signature 		Month Day Year <b>10/05/19</b>	
Transporter 2 Printed/Typed Name				Signature		Month Day Year	
18. Discrepancy							
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection							
18b. Alternate Facility (or Generator) U.S. EPA ID Number							
Facility's Phone:							
18c. Signature of Alternate Facility (or Generator)						Month Day Year	
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)							
1.		2.		3.		4.	
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a							
Printed/Typed Name				Signature		Month Day Year	

GENERATOR

INTL

TRANSPORTER

DESIGNATED FACILITY

Please print or type.

DW 1902468322

SC PPW 3/12/2019

Form Approved. OMB No. 2050-0039

2019

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number CAR000218123	2. Page 1 of 1	3. Emergency Response Phone (800) 483-3718	4. Manifest Tracking Number 013530737 FLE
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5. Generator's Name and Mailing Address Sentinel Energy Center, LLC PO Box 1328 Desert Hot Springs, CA 92240 Generator's Phone: (760) 500-0956	Generator's Site Address (if different than mailing address) 15775 Melissa Lane North Palm Springs, CA 92258
--	--

6. Transporter 1 Company Name Clean Harbors Environmental Services, Inc.	U.S. EPA ID Number MAD039322250
---	------------------------------------

7. Transporter 2 Company Name	U.S. EPA ID Number
-------------------------------	--------------------

8. Designated Facility Name and Site Address Clean Harbors San Jose LLC 1021 Berryessa Road San Jose, CA 95133 Facility's Phone: (408) 441-0962	U.S. EPA ID Number CAD059494310
---	------------------------------------

RECEIVED JUN 06 2019

BY: .....

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit WL/Vol.	13. Waste Codes	
		No.	Type				
X	1. UN3244, SOLIDS CONTAINING CORROSIVE LIQUID, N.O.S., (SULFURIC ACID, PHOSPHORIC ACID), 8, PG II	002	DF	010	P	181	
X	2. RQ UN3262, WASTE CORROSIVE SOLID, BASIC, INORGANIC, N.O.S., (SODIUM HYDROXIDE, SODIUM BROMOSULFAMATE), 8, PG III (D002)	001	DF	005	P	D002	181
	3. NON-RCRA HAZARDOUS WASTE, SOLIDS, (OIL CONTAMINATED SOLIDS)	003	DM	900	P	352	
	4.						

14. Special Handling Instructions and Additional Information 1. CH1836796 ERG#154 2X59AL 2. CH1738111 ERG#154 1X59AL 3. CH657606 3X55-DM 5459
--

Contract retained by generator confers agency authority on initial transporter to add or substitute additional transporters on generator's behalf for purposes of transportation efficiency, convenience or safety.

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offoror's Printed/Typed Name X Oscar Uribe	Signature <i>[Signature]</i>	Month Day Year 05 13 19
---	---------------------------------	----------------------------

16. International Shipments  Import to U.S.  Export from U.S. Port of entry/exit: \_\_\_\_\_ Date leaving U.S.: \_\_\_\_\_

17. Transporter Acknowledgment of Receipt of Materials		
Transporter 1 Printed/Typed Name David Orozco	Signature <i>[Signature]</i>	Month Day Year 05 13 19
Transporter 2 Printed/Typed Name	Signature	Month Day Year

18. Discrepancy

18a. Discrepancy Indication Space  Quantity  Type  Residue  Partial Rejection  Full Rejection

18b. Alternate Facility (or Generator) Manifest Reference Number: \_\_\_\_\_ U.S. EPA ID Number \_\_\_\_\_

Facility's Phone: \_\_\_\_\_

18c. Signature of Alternate Facility (or Generator) \_\_\_\_\_ Month Day Year \_\_\_\_\_

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1. H141	2. H141	3. H141	4.
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20. Designated Facility Owner or Operator. Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a		
Printed/Typed Name Deborah Jurgel	Signature <i>[Signature]</i>	Month Day Year 05 24 19

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete. Clean Harbors has the appropriate permits for and will accept the waste the generator is shipping. DESIGNATED FACILITY TO GENERATOR

Please print or type.

DW 1902468322

SC PPW 3/12/2019

Form Approved. OMB No. 2050-0039

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>	1. Generator ID Number <b>CA R000218123</b>	2. Page 1 of <b>1</b>	3. Emergency Response Phone <b>(800) 483-3718</b>	4. Manifest Tracking Number <b>013530736 FLE</b>
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5. Generator's Name and Mailing Address <b>Sentinel Energy Center, LLC PO Box 1328 Desert Hot Springs, CA 92240</b>	Generator's Site Address (if different than mailing address) <b>15775 Melissa Lane North Palm Springs, CA 92258</b>
--	--

Generator's Phone: **(760) 288-7900** ATTN: **Director Larry Wilson**

6. Transporter 1 Company Name <b>Clean Harbors Environmental Services, Inc.</b>	U.S. EPA ID Number <b>MAD039322250</b>
--	---

7. Transporter 2 Company Name	U.S. EPA ID Number
-------------------------------	--------------------

8. Designated Facility Name and Site Address <b>Thermo Fluids, Inc. 4301 West Jefferson Street Phoenix, AZ 85043</b>	U.S. EPA ID Number <b>AZR000003681</b>
---	---

Facility's Phone: **(800) 350-7565**

BY: .....

**RECEIVED**  
JUN 06 2019

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
		No.	Type					
	1. <b>NON-RCRA HAZARDOUS WASTE, SOLIDS, (OIL FILTERS)</b>	<b>002</b>	<b>DM</b>	<b>200 - P</b>	<b>352</b>			
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information  
**1. CH1600045 2K55-DM**  
**5459**

Contract retained by generator confers agency authority on initial transporter to add or substitute additional transporters on generator's behalf for purposes of transportation efficiency convenience or safety.

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Officer's Printed/Typed Name <b>Oscar Uribe</b>	Signature <i>[Signature]</i>	Month <b>05</b>	Day <b>13</b>	Year <b>19</b>
--	---------------------------------	--------------------	------------------	-------------------

16. International Shipments  Import to U.S.  Export from U.S. Port of entry/exit: \_\_\_\_\_ Date leaving U.S.: \_\_\_\_\_

Transporter signature (for exports only): \_\_\_\_\_

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name <b>David Orozco</b>	Signature <i>[Signature]</i>	Month <b>05</b>	Day <b>13</b>	Year <b>19</b>
Transporter 2 Printed/Typed Name	Signature	Month	Day	Year

18. Discrepancy

18a. Discrepancy Indication Space  Quantity  Type  Residue  Partial Rejection  Full Rejection

Manifest Reference Number: \_\_\_\_\_

18b. Alternate Facility (or Generator) U.S. EPA ID Number \_\_\_\_\_

Facility's Phone: \_\_\_\_\_

18c. Signature of Alternate Facility (or Generator) \_\_\_\_\_ Month \_\_\_\_\_ Day \_\_\_\_\_ Year \_\_\_\_\_

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1. <b>H039</b>	2.	3.	4.
----------------	----	----	----

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name <b>Crystal Tarrell</b>	Signature <i>[Signature]</i>	Month <b>05</b>	Day <b>28</b>	Year <b>19</b>
--	---------------------------------	--------------------	------------------	-------------------

Please print or type.

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>	1. Generator ID Number <b>CAR000218123</b>	2. Page 1 of <b>1</b>	3. Emergency Response Phone <b>(800) 483-3718</b>	4. Manifest Tracking Number <b>013530682 FLE</b>
---	---	--------------------------	--	---

6. Generator's Name and Mailing Address <b>Sanctrol Energy Center, LLC PO Box 1328 Desert Hot Springs, CA 92240</b>		Generator's Site Address (if different than mailing address) <b>15775 Melissa Lane North Palm Springs, CA 92258</b>	
Generator's Phone: <b>(760) 866-0336</b> <b>ATTN: Dirk Voss</b>			

8. Transporter 1 Company Name <b>Clean Harbors Environmental Services, Inc.</b>	U.S. EPA ID Number <b>MAD039322250</b>
--	---

7. Transporter 2 Company Name	U.S. EPA ID Number
-------------------------------	--------------------

8. Designated Facility Name and Site Address <b>Clean Harbors San Jose LLC 1021 Berryessa Road San Jose, CA 95133</b>	U.S. EPA ID Number <b>CAD058494310</b>
Facility's Phone: <b>(408) 441-0962</b>	

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
		No.	Type					
	1. <b>NON-RCRA HAZARDOUS WASTE, SOLIDS, OIL CONTAMINATED SOLIDS</b>	1	DM	250	0	352		
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information  
**1. C8687606 1633**

Contract retained by generator confers authority on initial transporter to add or substitute additional transporters on generator's behalf for purposes of transportation efficiency, convenience or safety.

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator/Offeror's Printed/Typed Name <b>Dirk Voss</b>	Signature 	Month <b>8</b>	Day <b>5</b>	Year <b>19</b>
--	---------------	-------------------	-----------------	-------------------

16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S.	Port of entry/exit: Date leaving U.S.:
--	---

17. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name <b>ERNEST PATRICKO</b>	Signature 	Month <b>8</b>	Day <b>5</b>	Year <b>19</b>
--	---------------	-------------------	-----------------	-------------------

Transporter 2 Printed/Typed Name	Signature	Month	Day	Year
----------------------------------	-----------	-------	-----	------

18. Discrepancy

18a. Discrepancy Indication Space  
 Quantity  Type  Residue  Partial Rejection  Full Rejection

18b. Alternate Facility (or Generator) Facility's Phone:	Manifest Reference Number:	U.S. EPA ID Number:
---	----------------------------	---------------------

18c. Signature of Alternate Facility (or Generator)	Month	Day	Year
---	-------	-----	------

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)			
1. <b>H141</b>	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18d Printed/Typed Name <b>David Baker</b>	Signature 	Month <b>8</b>	Day <b>16</b>	Year <b>19</b>
--	---------------	-------------------	------------------	-------------------

Please print or type.

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number <b>CAR000218123</b>	2. Page 1 of 3 <b>1</b>	3. Emergency Response Phone <b>(800) 483-3718</b>	4. Manifest Tracking Number <b>013530683 FLE</b>			
5. Generator's Name and Mailing Address <b>Sentinel Energy Center, LLC PO Box 1328 Desert Hot Springs, CA 92240 Generator's Phone: (760) 800-0330 ATTN: Dirk Voss</b>				Generator's Site Address (if different than mailing address) <b>15775 Melissa Lane North Palm Springs, CA 92256</b>				
6. Transporter 1 Company Name <b>Clean Harbors Environmental Services, Inc.</b>					U.S. EPA ID Number <b>MAD03932250</b>			
7. Transporter 2 Company Name					U.S. EPA ID Number			
8. Designated Facility Name and Site Address <b>Thermo Fluids, Inc. 4301 West Jefferson Street Phoenix, AZ 85043 Facility's Phone: (800) 350-7565</b>					U.S. EPA ID Number <b>AZR00003681</b>			
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))			10. Containers No.	Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
1	<b>NON-RCRA HAZARDOUS WASTE, SOLIDS, (OIL FILTERS)</b>			<b>2</b>	<b>DM</b>	<b>350</b>	<b>P</b>	<b>352</b>
2								
3								
4								
14. Special Handling Instructions and Additional Information <b>1. CH1800045 2855</b>								
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true. <b>Contract retained by generator confers authority on initial transporter to add or substitute additional transporters on generator's behalf for purposes of transportation efficiency, convenience, or safety.</b>								
Generator's/Officer's Printed/Typed Name <b>Y. DAVID WELLS</b>				Signature 		Month Day Year <b>8 5 19</b>		
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S.				Port of entry/exit: Date leaving U.S.				
17. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name <b>ERIKEN PATRICK</b> Signature Month Day Year <b>8 5 19</b> Transporter 2 Printed/Typed Name Signature Month Day Year								
18. Discrepancy 18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection Manifest Reference Number:								
18b. Alternate Facility (or Generator)					U.S. EPA ID Number			
Facility's Phone:								
18c. Signature of Alternate Facility (or Generator)							Month Day Year	
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)								
<b>H030</b>								
20. Designated Facility Owner or Operator. Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a. Printed/Typed Name <b>Crystal Jarrell</b> Signature Month Day Year <b>08/20/19</b>								

GENERATOR

TRANSPORTER INTL

DESIGNATED FACILITY

Classification or type.

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number <b>CAR000218123</b>	2. Page 1 of 1	3. Emergency Response Phone <b>(800) 483-3718</b>	4. Manifest Tracking Number <b>013530686 FLE</b>			
6. Generator's Name and Mailing Address <b>General Energy Center, LLC PO Box 1328 Desert Hot Springs, CA 92240</b>		Generator's Site Address (if different than mailing address) <b>15775 Melissa Lane North Palm Springs, CA 92258</b>		U.S. EPA ID Number <b>MAD039322250</b>				
Generator's Phone: <b>(780) 300-0330</b>		ATTN: Dirk Voss						
8. Transporter 1 Company Name <b>Clean Harbors Environmental Services, Inc.</b>		U.S. EPA ID Number						
7. Transporter 2 Company Name		U.S. EPA ID Number						
8. Designated Facility Name and Site Address <b>Clean Harbors Wilmington LLC 1737 East Danni Street Wilmington, CA 90744</b>		U.S. EPA ID Number <b>CAD044428835</b>						
Facility's Phone: <b>(310) 635-8998</b>								
9a. HM	9b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
		No.	Type					
X	1. UN3028, BATTERIES, DRY, CONTAINING POTASSIUM HYDROXIDE SOLID, 8	1	DM	20	D	181		
X	2. UN2796, WASTE BATTERIES, WET, FILLED WITH ALKALI, 8, (NKCAD BATTERIES)	1	DM	20	D	D002	D006	181
	3.							
	4.							
14. Special Handling Instructions and Additional Information 1. CA11661340 ERG#154 NOS 2. CA11661329 ERG#154 NOS								
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.								
Generator's/Offeror's Printed/Typed Name <b>DAVID WEISS</b>		Signature <i>[Signature]</i>		Month Day Year <b>8/5/19</b>				
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____								
17. Transporter Acknowledgment of Receipt of Materials								
Transporter 1 Printed/Typed Name <b>ERICK PARR</b>		Signature <i>[Signature]</i>		Month Day Year <b>8/5/19</b>				
Transporter 2 Printed/Typed Name		Signature		Month Day Year				
18. Discrepancy								
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection								
18b. Alternate Facility (or Generator) Manifest Reference Number: _____ U.S. EPA ID Number: _____								
Facility's Phone: _____								
18c. Signature of Alternate Facility (or Generator) Month Day Year								
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)								
1. <b>H141</b>		2. <b>H141</b>		3.		4.		
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in item 18a								
Printed/typed Name <b>Johan Aguil</b>		Signature <i>[Signature]</i>		Month Day Year <b>8/19/19</b>				

Site Address: 15778 Melissa Lane  
North Palm Springs, CA 92258

SCIPW 3/12/2019

DW 1904086528  
WORK ORDER NO. \_\_\_\_\_

DOCUMENT NO. 0209267

STRAIGHT BILL OF LADING

TRANSPORTER 1 Clean Harbors Environmental Services, Inc. VEHICLE ID # B20  
 EPA ID # MAD099322250 TRANS. 1 PHONE (781) 782-5000  
 TRANSPORTER 2 \_\_\_\_\_ VEHICLE ID # \_\_\_\_\_  
 EPA ID # \_\_\_\_\_ TRANS. 2 PHONE \_\_\_\_\_

DESIGNATED FACILITY Clean Harbors San Jose LLC			SHIPPER ATTN: Dirk Voss Sentinel Energy Center, LLC		
FACILITY EPA ID # CAD059494310			SHIPPER EPA ID # CAR000218123		
ADDRESS 1021 Berryessa Road			ADDRESS PO Box 1326		
CITY San Jose		STATE CA	ZIP 95133	CITY Desert Hot Springs	
				STATE CA	ZIP 92240
CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
1x44	CK	X	A. UN2877, ENVIRONMENTALLY HAZARDOUS SUBSTANCES, SOLID, N.O.S., (FLUORESCENT TUBES CONTAINING MERCURY), 3, PG III.	80	D
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		
SPECIAL HANDLING INSTRUCTIONS A.CH1800049EFGH 171			EMERGENCY PHONE #: (800) 463-3718 GENERATOR: Sentinel Energy Center, LLC		

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER	PRINT	SIGN	DATE
TRANSPORTER 1	PRINT	SIGN	DATE
TRANSPORTER 2	PRINT	SIGN	DATE
RECEIVED BY	PRINT	SIGN	DATE

RC DEPT WASTE RES  
16411 LAMB CANYON RD  
BEAUMONT, CA 92223  
951-496-3200

IF  
**RCE**  
CA 92553

WEIGHMASTER CERTIFICATE  
THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a  
weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by  
Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code,  
administered by the Division of Measurement Standards of the California Department of Food and Agriculture.  
Weighed at: 16411 Lamb Canyon Road, Beaumont, CA 92223

6931141

FOR CREDIT, ACCOUNTING INFO  
AND DISPOSAL SITE OPERATIONS  
PHONE 1-951-496-3200

Sale

XXXXXXXXXX0890

A

total: \$

Entry Method: Chip

302.98

Site #: 31 LAMB CANYON  
COUNT

Trans #: 420317

08:34:51 7/25/2019

5/19

#: 000000023

vd: Online

08:34:36

Appr Code: 008373

Jcode: 83  
EIOUS ROUTINE REFUSE

7.37 Tons at \$40.51

Gross Tons: 21.95 S

Tare Tons: 14.58 K

Net Tons: 7.37

\$298.50

DEBIT

A0000000031010

88 88 88 88 88

88 88

10

Amt Due: \$298.50

Balance: \$298.50

Process Fee: \$4.48

Amt Charged: \$302.98

Customer Copy

THANK YOU!

CUSTOMER COPY



1310 FREDERICK STREET, MORENO VALLEY, CA 92553

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a  
weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by  
Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code,  
administered by the Division of Measurement Standards of the California Department of Food and Agriculture.  
Weighed at: 16411 Lamb Canyon Road, Beaumont, CA 92223

6931141

Total:

318.97



14310 FR

RC DEPT WASTE RES  
16411 LAMB CANYON RD  
BEAUMONT, CA. 92223  
951-486-3200

WASTE DISPOSAL OFFICIAL RECEIPT

6953494

FOR CREDIT, ACCOUNTING INFO  
AND DISPOSAL SITE OPERATIONS  
PHONE 1-951-486-3200

Sale

Deputy  
Cus xxxxxxxxxxxx0890  
VISA Entry Method: Chip  
Vehicl Total: \$ 219.24  
Refus 08/02/19 08:07:53  
Inv #: 000000015 Appr Code: 074746  
Apprvd: OnLine  
Con VISA DEBIT  
AID: A0000000031010  
TVR: 00 00 00 00 00  
TSI: 68 00

: 31 LAMB CANYON Trans #: 421873  
Jcode: 83  
E REFUSE 5.33 Tons at \$40.51  
G - A#=074746

08:08:10	8/2/2019
Gross Tons:	19.74 S
Tare Tons:	14.41 K
Net Tons:	5.33
	\$216.00
Amt Due:	\$216.00
Balance:	\$216.00
Process Fee:	\$3.24
Amt Charged:	\$219.24

CUSTOMER COPY

Customer Copy  
THANK YOU!

DEPARTMENT OF  
**WASTE RESOURCES**  
14310 FREDERICK STREET, MORENO VALLEY, CA 92553

6953494

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**ATTACHMENT 6**

**ANNUAL POTABLE WATER USE (PER SOIL&WATER-5)**

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Sentinel Energy Center LLC

Potable Water Usage 9-1-18 thru 8-31-19

Month/Year	Beginning Mo.	Month End	Usage, gallons	Usage, Cubic Feet	Usage, Acre Feet
September 2018	1672305	1694585	22280	2978	0.068
October 2018	1694585	1705542	10957	1465	0.034
November 2018	1705542	1715052	9510	1271	0.029
December 2018	1715052	1724088	9036	1208	0.028
January 2019	1724088	1735490	11402	1524	0.035
February 2019	1735490	1746302	10812	1445	0.033
March 2019	1746302	1758923	12621	1687	0.039
April 2019	1758923	1771751	12828	1715	0.039
May 2019	1771751	1781029	9278	1240	0.028
June 2019	1781029	1794444	13415	1793	0.041
July 2019	1794444	1819556	25112	3357	0.077
August 2019	1819556	1854233	34677	4636	0.106
<b>Total Usage</b>			<b>181928</b>	<b>24320</b>	<b>0.56</b>

---

**ATTACHMENT 7**

**GROUNDWATER USAGE (PER SOIL&WATER-8)**

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Sentinel Energy Center LLC

Ground Water Usage 9-1-18 thru 8-31-19

PW-1 Well

Month/Year	Min Daily (Gallons)	Max Daily (Gallons)	Usage (Gallons)	Usage (Acre Feet)
September 2018	0	905141	5192963	16
October 2018	0	1122823	11570089	36
November 2018	0	1227550	5430095	17
December 2018	0	456311	641079	2
January 2019	0	466035	2201511	7
February 2019	0	484736	1733232	5
March 2019	0	567770	2093044	6
April 2019	0	740570	740570	2
May 2019	0	460799	1324797	4
June 2019	0	610409	3013893	9
July 2019	0	1170698	8254732	25
August 2019	0	1137784	16618679	51
<b>Total Usage</b>			58814683	180

PW-2 Well

Month/Year	Min Daily (Gallons)	Max Daily (Gallons)	Usage (Gallons)	Usage (Acre Feet)
September 2018	0	0	0	0
October 2018	0	0	0	0
November 2018	0	840060	3364729	10
December 2018	0	563282	1119083	3
January 2019	0	632850	1092153	3
February 2019	0	1173690	5939517	18
March 2019	0	1569409	5629824	17
April 2019	0	912621	4467355	14
May 2019	0	683718	3170984	10
June 2019	0	1486375	3396147	10
July 2019	0	869234	3895844	12
August 2019	0	953764	5506396	17
<b>Total Usage</b>			37582032	115

Both Wells

Month/Year	Min Daily (Gallons)	Max Daily (Gallons)	Usage (Gallons)	Usage (Acre Feet)
September 2018	0	905141	5192963	16
October 2018	0	1122823	11570089	36
November 2018	0	2067610	8794824	27
December 2018	0	1019592	1760162	5
January 2019	0	1098885	3293664	10
February 2019	0	1658427	7672749	24
March 2019	0	2137179	7722868	24
April 2019	0	1653191	5207924	16
May 2019	0	1144517	4495781	14
June 2019	0	2096784	6410040	20
July 2019	0	2039932	12150576	37
August 2019	0	2091548	22125075	68
<b>Total Usage</b>			96396715	296

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**ATTACHMENT 8**

**GROUNDWATER RECHARGE (PER SOIL&WATER-10)**

---

## Amanda Johnson

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**From:** Hoffman, Craig@Energy <Craig.Hoffman@energy.ca.gov>  
**Sent:** Wednesday, July 25, 2012 9:56 AM  
**To:** Maggie Fitzgerald; Dennis, Christopher@Energy  
**Cc:** Amanda Johnson  
**Subject:** RE: CPV Sentinel - S&W COC Verification modifications-draft for your review  
**Attachments:** CPV Sentinel Water Conditions\_Proposed Verification Changes\_mmf CH CD.doc

Maggie

Your proposed modifications to S&W 10 and 14 are approved as the attachment identified.

S&W 10 - the language in the condition yellow highlights cannot be modified without a formal amendment. We added language to the verification that should provide the clarification.

S&W 14 Staff is fine with the monthly average range being removed, however staff would still like to see the range and average on a yearly basis.

Please let me know if this works for you.

Thank you.

Craig Hoffman  
Project Manager

California Energy Commission  
Siting, Transmission and Environmental Protection Division  
1516 Ninth Street, MS 2000  
Sacramento, CA 95814-5512

phone: 916-654-4781  
fax: 916-654-3882

---

**From:** Maggie Fitzgerald [<mailto:MFitzgerald@sierraresearch.com>]  
**Sent:** Tuesday, July 03, 2012 2:17 PM  
**To:** Hoffman, Craig@Energy; Dennis, Christopher@Energy  
**Cc:** Amanda Johnson  
**Subject:** CPV Sentinel - S&W COC Verification modifications-draft for your review

Hi Craig and Chris,

Attached are 2 files: the word file for S&W-10 and S&W-14 with very minor modifications to the Verifications (in track changes) and a draft cover letter.

These changes seem really minor and barely worth changing, but when I reviewed my notes it seems like we resolved most of the questions without needing any formal changes. Can you take a quick look and let me know if I missed something? After your review, I will prepare a formal submittal. Thanks and happy 4<sup>th</sup>!

Maggie

***Maggie Fitzgerald***

Sierra Research  
1801 J Street  
Sacramento, CA 95811

[MFitzgerald@sierraresearch.com](mailto:MFitzgerald@sierraresearch.com)

Cell: 949-514-5655

**Sentinel Energy Center – Water Purchased/Recharged as of August 2019**  
**SOIL&WATER-10 (GW Recharge) and SOIL&WATER-11 (New Recharge Water Sources)**

Year Purchased	Quantity Recharged (AF)	Date of Delivery/ Recharge	Recharge at Mission Creek Spreading Grounds	Source of Water	CEQA	COC Submittal
2008	1,263	August 15, 2008	Yes	North Kern	September 2001 Negative Declaration	<b>S&amp;W-10.</b> Documentation Includes approved Water Supply Plan and 6-7-11 DWA water purchases statement (submitted to
	2,775	September 15, 2008				
	2,426	October 15, 2008				
	1,886	December 15, 2008				
<b>2008 Total Purchased: 8,350 AF</b>	<b>2008 Total Recharged: 8,350 AF</b>					
2009	197	June 1, 2009	Yes	Yuba	October 2007 Final EIR/EIS Yuba County Water Agency – Proposed Lower Yuba River Accord	<b>S&amp;W-10 and S&amp;W-11.</b> Submitted: 4-6-2011. Approved 4-28-2011. Note: New source of water. Documentation includes 6-7-11 DWA water purchases statement (submitted to
	202	July 1, 2009				
	258	September 1, 2009				
	240	October 1, 2009				
	101	November 1, 2009				
	118	December 1, 2009				
<b>2009 Total Purchased: 1,116 AF</b>	<b>2009 Total Recharged: 1,116 AF</b>					
2012	397	December 1, 2012	Yes	Yuba	October 2007 Final EIR/EIS Yuba County Water Agency – Proposed Lower Yuba River Accord	<b>S&amp;W-10.</b> Documentation (DWA Invoice submitted to CEC 1-23-14).
<b>2012 Total Purchased: 397 AF</b>	<b>2012 Total Recharged: 397 AF</b>					
2013	121	January 1, 2014	Yes	Yuba	October 2007 Final EIR/EIS Yuba County Water Agency – Proposed Lower	<b>S&amp;W- 10.</b> Documentation (DWA Invoice submitted to CEC
	304					
	1,307					
<b>2013 Total Purchased: 1,732 AF</b>	<b>2013 Total Recharged: 1,732 AF</b>					
No water purchased or recharged 2014-8/31/2019						
<b>TOTAL PURCHASED TO DATE: 11,595 AF</b>						

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**ATTACHMENT 9**

**SALT CAKE GENERATED (PER SOIL&WATER-12)**

---

RECEIVED  
OCT 31 2017

October 26, 2017

Dennis Johnson  
Sentinel Energy Facility  
PO Box 1328  
Desert Hot Springs, CA 92240

BY: .....

**RE: Request for Disposal of ZLD Filter Cake from Sentinel Energy Facility at Lamb Canyon Landfill**

Dear Mr. Johnson:

The Riverside County Department of Waste Resources (Department) has received and reviewed your request to dispose of "ZLD Filter Cake" from Sentinel Energy Facility at the Lamb Canyon Landfill located at 16411 Lamb Canyon Road, Beaumont, California. The Department has also received and reviewed the following documents regarding your waste material:

- Waste approval email dated October 24, 2017 from the RWQCB-Santa Ana Region 8.
- Analytical results for metals and Bioassay HW dated September 14, 2017 attached with your request.
- Department Waste Generator Profile Sheet.

Based on the information supplied by you and the approval from RWQCB-Santa Ana Region, the Department is satisfied that this waste stream meets the criteria of a non-hazardous solid waste and, therefore, can be accepted at the Lamb Canyon Landfill.

A copy of this approval letter shall be shown at the fee both at the time of delivery, or the load could be rejected.

This approval will stay in effect as long as there is no operational change that could alter the composition/characteristics of the waste stream. If there's any operational changes take place, the facility is required to re-submit the request for approval to the Water Board and the Department.

If you have any questions or need further assistance, please call me at (951) 486-3277.

Sincerely,



Emily Chau  
Program Coordinator

EC:ec

cc: James Chen  
Stacey Hubbard

**Lamb Canyon disposal by Desert Valley Disposal**

<b>ZLD Cake Disposal</b>	<b>Acct # 3-0016551-9</b>	<b>20 CY-Container #282</b>		
<b>Pick Up Dates</b>	<b>Landfill Site</b>	<b>Measured type</b>	<b>Reported Quantity</b>	<b>Monthly Total</b>
11/26/18	Lamb Canyon	Tons	6.35	6.35
12/27/18	Lamb Canyon	Tons	5.87	5.87
3/12/19	Lamb Canyon	Tons	5.64	
3/19/19	Lamb Canyon	Tons	8.02	13.66
7/26/19	Lamb Canyon	Tons	7.37	7.37
8/2/19	Lamb Canyon	Tons	5.33	5.33
	Lamb Canyon	Tons		
	Lamb Canyon	Tons		
	Lamb Canyon	Tons		
	Lamb Canyon	Tons		
	Lamb Canyon	Tons		
<b>Totals-Tons</b>	<b>Non-Haz Waste</b>	<b>Year to date</b>		<b>38.58</b>

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**ATTACHMENT 10**  
**DWA MEMORANDUM & GROUNDWATER SAVINGS THROUGH**  
**PSNGC RECYCLED WATER USE (PER SOIL&WATER-14)**

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# Memorandum

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To: Mark McDaniels, Vice President, Competitive Power Ventures

From: David Luker, General Manager and Chief Engineer, Desert Water Agency

Date: November 4, 2013

Re: SOIL&WATER-14

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Attached is a report describing the water savings at Indian Canyons North Golf Course which has been realized through Competitive Power Ventures contribution.

The recycled water system for Indian Canyons North was completed in June of 2012 thus eliminating the golf courses' dependence on groundwater. All metered reclaimed water use at this site can be considered in equal parts a savings of groundwater. Further, the groundwater well previously used as the source of irrigation water was disabled in June 2012 and therefore the use of groundwater is not an option.

Sentinel Energy Center LLC

PSNGC Reclaim Water Usage 9-1-18 thru 8-31-19

Month/Year	Usage, Acre Feet
September 2018	68.4
October 2018	52.3
November 2018	83.7
December 2018	45.7
January 2019	25.3
February 2019	19.6
March 2019	6.4
April 2019	33.9
May 2019	91.0
June 2019	6.6
July 2019	119.9
August 2019	79.0
<b>Total</b>	<b>631.6</b>
<b>Average</b>	<b>52.6</b>
<b>Lowest Use Month</b>	<b>6.4</b>
<b>Highest Use Month</b>	<b>119.9</b>
<b>Total to Date</b>	<b>5298.0</b>

Note: Total to Date reflects reclaim water use from 2012 through August 2019

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**ATTACHMENT 11**

**DWA INVOICES AND PROOF OF PAYMENTS (PER SOIL&WATER-14)**

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## DWA Irrigation Controller Program

Invoice Period	Payment Date	Check Number	Amount
Start Up	6/14/2011	Wire Transfer	\$300,000.00
2011/2012	10/19/2012	3176213	\$46,679.18
2012/2013	8/30/2013	3251860	\$114,772.67
2013/2014	7/31/2014	3344109	\$203,811.53
2014/2015	9/1/2015	N/A	\$302,097.85
2015/2016	8/29/2016	3463395	\$187,208.01
2016/2017	4/17/2017	419120	\$142,430.76
2017/2018	7/31/2018	355571	\$100,000.00
2018/2019	7/31/2019	3596723	\$100,000.00
<b>Total:</b>			<b>\$1,497,000.00</b>

6711941503  
CPV SENTINEL OPERATING ACCT  
PAYMENT PER REQUEST  
ACCOUNT: 24200  
2019 SMART IRRIGATION CONTROLLER PROGRAM  
INV: 2018-2019 FISCAL YR

DATE  
7/31/19

AMOUNT  
100,000.00

DESERT WATER AGENCY  
ATT: ASHLEY METZGER  
P O BOX 1710  
PALM SPRINGS, CA 92263-1710

24200

PLEASE DETACH BEFORE PRESENTING FOR PAYMENT



Receipt # 451756  
8/14/19

Pay Type: CHECK  
Taken By: CAROLANN

Name/Description	Account	Amount
CPV SENTINEL OP SMRT CONT PROG	24200	100,000.00

100,000.00

THIS CHECK WILL NOT BE CASHED IF THE FACE OF THIS DOCUMENT APPEARS TO BE ALTERED IN ANY WAY.

MUFG Union Bank, N.A.  
P.O. BOX 18560, SAN DIEGO, CA 92186-5602  
6711941503  
CPV SENTINEL OPERATING ACCT  
PAYMENT PER REQUEST  
ACCOUNT: 24200

DATE: 7/31/19  
CHECK NUMBER: 451756  
AMOUNT: 100,000.00

PAY TO THE ORDER OF: DESERT WATER AGENCY  
ATT: ASHLEY METZGER  
P O BOX 1710  
PALM SPRINGS, CA 92263-1710

ONE HUNDRED THOUSAND DOLLARS AND ZERO CENTS

VOID AFTER 90 DAYS

Chryl Pugh

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**ATTACHMENT 12**

**INSTALLED IRRIGATION CONTROLLERS (PER SOIL&WATER-15)**

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**Sentinel Energy Center LLC**  
**Cumulative Water Savings and Savings By Controller**

<b>Date</b>	<b>Hundred Cubic Feet of Water Saved</b>	<b>Acre Feet of Water Saved</b>	<b>Total Accounts Being Tracked</b>
01-Sep-18	8178	18.8	2253
01-Oct-18	33030	75.8	2267
01-Nov-18	40081	92.0	2271
01-Dec-18	33074	75.9	2282
01-Jan-19	42365	97.3	2280
01-Feb-19	68410	157.0	2292
01-Mar-19	61402	141.0	2318
01-Apr-19	64628	148.4	2311
01-May-19	40552	93.1	2316
01-Jun-19	64483	148.0	2320
01-Jul-19	75166	172.6	2333
01-Aug-19	45410	104.2	2340

<b>GRAND TOTAL OF WATER SAVED Acre Feet (Sep 2018-Aug 2019)</b>	<b>1324</b>
<b>GRAND TOTAL OF WATER SAVED Acre Feet (Total to Date)</b>	<b>7096</b>
<b>NUMBER OF ADDITIONAL CONTROLLERS INSTALLED</b>	<b>87</b>

**Sentinel Energy Center LLC**

**Cumulative Water Savings and Sprinkler Nozzle Program Participants**

<b>Date</b>	<b>Hundred Cubic Feet of Water Saved</b>	<b>Acre Feet of Water Saved</b>	<b>Gallons of Water Saved</b>	<b>Number of Participants</b>	<b>Sum of Nozzle Count</b>
Sep 18	1446	3.319559229	1081683.192	81	4189
Oct 18	4454	10.22497704	3331823.608	81	4189
Nov 18	417	0.957300275	311937.684	82	4230
Dec 18	2975	6.829660239	2225454.7	83	4270
Jan 19	3274	7.516069789	2449122.248	83	4270
Feb 19	7431	17.05922865	5558774.412	83	4270
Mar 19	5430	12.46556474	4061922.36	83	4270
Apr 19	5995	13.76262626	4484571.74	83	4270
May 19	5114	11.74012856	3825537.928	83	4270
Jun 19	7244	16.62993572	5418888.688	84	4370
Jul 19	9143	20.98943985	6839439.436	85	4388
Aug 19	2103	4.827823691	1573153.356	86	4488
<b>GRAND TOTAL OF WATER SAVED (Sept 2018-Aug 2019)</b>				<b>126.32 AF</b>	
<b>GRAND TOTAL OF WATER SAVED (Year To Date)</b>				<b>231 AF</b>	

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**ATTACHMENT 13**

**DWA MEMORANDUM REGARDING IRRIGATION CONTROLLER  
PROGRAM EFFECTIVENESS (PER SOIL&WATER-15)**

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# Memorandum

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To: Mark McDaniels, Vice President, Competitive Power Ventures

From: David Luker, General Manager and Chief Engineer, Desert Water Agency

Date: November 4, 2013

Re: SOIL&WATER-15

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Although the irrigation controller program continues to be funded by CPV, and implemented by DWA, it is not possible to accurately quantify the water savings associated with the program. Therefore DWA identified an additional program to enhance water conservation efforts. Specifically, DWA recently completed a groundwater remediation project in the vicinity of the water recycling plant. The project consists of the construction and operation of two new wells designed to pump and treat groundwater that has elevated concentrations of nitrates. The treated groundwater is then blended with DWA's recycled water and used for irrigation. DWA estimates the annual water conservation volume to be 220 acre feet per year. DWA will provide CPV with reports containing monthly and annual water conservation volumes upon project completion.

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**ATTACHMENT 14**

**ANNUAL WATER USE AND CONSERVATION SUMMARY &  
BENEFITS REPORT (PER SOIL&WATER-16)**

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# Sentinel Energy Center

## Annual Water Use and Conservation

### Summary Report

This report provides a summary of the Sentinel Energy Center, LLC facility (Sentinel Energy Center) water use and conservation for the September 1, 2018 through August 31, 2019 reporting period.

#### Potable Water Usage

Per the intent of Condition of Certification (COC) SOIL&WATER-5, as outlined in the California Energy Commission (CEC) Commission Decision Findings of Fact, the following tables illustrate that the Sentinel Energy Center used less than 2-acre feet per year (AFY) of potable water. Daily potable water readings began on September 1, 2018 and end on August 31, 2019.

As depicted below, and in Attachment 6, the 0.56 acre- feet consumed is significantly less than the 2.0 acre-feet permitted.

**Potable Water Usage 9-1-18 thru 8-31-19**

Month/Year	Beginning Mo.	Month End	Usage, gallons	Usage, Cubic Feet	Usage, Acre Feet
September 2018	1672305	1694585	22280	2978	0.068
October 2018	1694585	1705542	10957	1465	0.034
November 2018	1705542	1715052	9510	1271	0.029
December 2018	1715052	1724088	9036	1208	0.028
January 2019	1724088	1735490	11402	1524	0.035
February 2019	1735490	1746302	10812	1445	0.033
March 2019	1746302	1758923	12621	1687	0.039
April 2019	1758923	1771751	12828	1715	0.039
May 2019	1771751	1781029	9278	1240	0.028
June 2019	1781029	1794444	13415	1793	0.041
July 2019	1794444	1819556	25112	3357	0.077
August 2019	1819556	1854233	34677	4636	0.106
<b>Total Usage</b>			181928	24320	0.56

#### Process Water (Ground Water) Usage

Per the intent of COC SOIL&WATER-8, as outlined in the CEC Commission Decision Findings of Fact, the following table, and in Attachment 7, illustrates that the Sentinel Energy Center used less than the annual maximum of 1,100 AFY of process water (i.e., ground water) and less than the projected average of 550 AFY for project operations, including cooling, process operations, fire protection, and landscaping.

**Ground Water Usage 9-1-18 thru 8-31-19**

**PW-1 Well**

Month/Year	Min Daily (Gallons)	Max Daily (Gallons)	Usage, Gallons	Usage, Acre Feet
September 2018	0	905141	5192963	16
October 2018	0	1122823	11570089	36
November 2018	0	1227550	5430095	17
December 2018	0	456311	641079	2
January 2019	0	466035	2201511	7
February 2019	0	484736	1733232	5
March 2019	0	567770	2093044	6
April 2019	0	740570	740570	2
May 2019	0	460799	1324797	4
June 2019	0	610409	3013893	9
July 2019	0	1170698	8254732	25
August 2019	0	1137784	16618679	51
<b>Total Usage</b>			58814683	180

**PW-2 Well**

Month/Year	Min Daily (Gallons)	Max Daily (Gallons)	Usage, Gallons	Usage, Acre Feet
September 2018	0	0	0	0
October 2018	0	0	0	0
November 2018	0	840060	3364729	10
December 2018	0	563282	1119083	3
January 2019	0	632850	1092153	3
February 2019	0	1173690	5939517	18
March 2019	0	1569409	5629824	17
April 2019	0	912621	4467355	14
May 2019	0	683718	3170984	10
June 2019	0	1486375	3396147	10
July 2019	0	869234	3895844	12
August 2019	0	953764	5506396	17
<b>Total Usage</b>			37582032	115

**Both Wells**

Month/Year	Min Daily (Gallons)	Max Daily (Gallons)	Usage, Gallons	Usage, Acre Feet
September 2018	0	905141	5192963	16
October 2018	0	1122823	11570089	36
November 2018	0	2067610	8794824	27
December 2018	0	1019592	1760162	5
January 2019	0	1098885	3293664	10
February 2019	0	1658427	7672749	24
March 2019	0	2137179	7722868	24
April 2019	0	1653191	5207924	16
May 2019	0	1144517	4495781	14
June 2019	0	2096784	6410040	20
July 2019	0	2039932	12150576	37
August 2019	0	2091548	22125075	68
<b>Total Usage</b>			96396715	296

## Groundwater Recharge

Per COC SOIL&WATER-10 and SOIL&WATER-11, as well as the intent of COC SOIL&WATER-8, as outlined in the CEC Commission Decision Findings of Fact, the following table, and in Attachment 8, illustrates that the Sentinel Energy Center met the requirement that in any given month, the amount of water that may be consumed is the total amount of water that has been recharged 16- months or more prior to that month, minus the cumulative amount of water previously pumped for project process needs.

### Sentinel Energy Center – Water Purchased/Recharged as of August 2019 SOIL&WATER-10 (GW Recharge) and SOIL&WATER-11 (New Recharge Water Sources)

Year Purchased	Quantity Recharged (AF)	Date of Delivery/ Recharge	Recharge at Mission Creek Spreading Grounds	Source of Water	CEQA	COC Submittal
2008	1,263	August 15, 2008	Yes	North Kern	September 2001 Negative Declaration	<b>S&amp;W-10.</b> Documentation includes approved Water Supply Plan and 6-7-11 DWA water purchases statement (submitted to
	2,775	September 15, 2008				
	2,426	October 15, 2008				
	1,886	December 15, 2008				
<b>2008 Total Purchased: 8,350 AF</b>	<b>2008 Total Recharged: 8,350 AF</b>					
2009	197	June 1, 2009	Yes	Yuba	October 2007 Final EIR/EIS Yuba County Water Agency – Proposed Lower Yuba River Accord	<b>S&amp;W-10 and S&amp;W-11.</b> Submitted: 4-6-2011. Approved 4-28-2011. Note: New source of water. Documentation includes 6-7-11 DWA water purchases statement (submitted to
	202	July 1, 2009				
	258	September 1, 2009				
	240	October 1, 2009				
	101	November 1, 2009				
	118	December 1, 2009				
<b>2009 Total Purchased: 1,116 AF</b>	<b>2009 Total Recharged: 1,116 AF</b>					
2012	397	December 1, 2012	Yes	Yuba	October 2007 Final EIR/EIS Yuba County Water Agency – Proposed Lower Yuba River Accord	<b>S&amp;W-10.</b> Documentation (DWA Invoice submitted to CEC 1-23-14).
<b>2012 Total Purchased: 397 AF</b>	<b>2012 Total Recharged: 397 AF</b>					
2013	121	January 1, 2014	Yes	Yuba	October 2007 Final EIR/EIS Yuba County Water Agency – Proposed Lower	<b>S&amp;W- 10.</b> Documentation (DWA Invoice submitted to CEC
	304					
	1,307					
<b>2013 Total Purchased: 1,732 AF</b>	<b>2013 Total Recharged: 1,732 AF</b>					
No water purchased or recharged 2014-8/31/2019						
<b>TOTAL PURCHASED TO DATE: 11,595 AF</b>						

## Fresh Water Conservation Program Benefits

Per COC SOIL&WATER-16, the project owner must provide the following:

1. *Provide annual reporting to assess whether the fresh water conservation benefits achieved by implementation of SOIL&WATER-14 and SOIL&WATER-15 have met the following requirements:*
  - a. *Achieve 1,000 AFY in fresh water conservation benefits by the end of the first full calendar year following the project commercial operation date, increasing by 100 AFY annually over the subsequent 5 years to 1,500 AFY by the end of the 6<sup>th</sup> full calendar year following the commercial operation date.*
  - b. *Achieve minimum cumulative water conservation benefits of 1,500 AFY for each year following the 6<sup>th</sup> full calendar year following the commercial operation date for the life of the project.*
2. *If the fresh water conservation benefits of the water supply conversion of the PSNGC and the irrigation program projects identified in 1. A and B above cannot be sustained for any reason, the project owner shall submit a revised Water Conservation Plan within 6 months of the annual report, obtain CPM approval of the revised plan, and implement additional fresh water conservation projects on the schedule identified in the approved plan that will achieve fresh water conservation that will include the makeup of any deficits in meeting the water conservation requirements of 1. A and B of this condition.*

Through Sentinel Energy Center, LLC's funding of the Palm Springs National Golf Course (PSNGC) reclaimed water use program (per SOIL&WATER-14), the DWA irrigation controller program (per SOIL&WATER-15) and the implementation of the groundwater remediation program to supplement reclaimed water availability (SOIL&WATER-15), the Sentinel Energy Center has exceeded the 1,000 AFY in fresh water conservation benefits by the end of the first full calendar year following the project commercial operation date. Details on the specific fresh water conservation program benefits are described below.

### Water Supply Conversion of Palm Springs National Golf Course

In accordance with SOIL&WATER-14, Sentinel Energy Center, LLC funded the construction and operation of the DWA recycled water line to provide recycled water to the Palm Springs National Golf Course. PSNGC has relied solely on recycled water supplied by DWA for irrigation purposes; groundwater is not available as the groundwater well was removed. DWA confirmed that the recycled water system for PSNGC was completed in June 2012, thus eliminating the golf courses' dependence on groundwater.

Further, all reclaimed water use at the PSNGC can be considered in equal parts a savings of groundwater.

DWA provides Sentinel Energy Center, LLC with monthly reports describing the amount of groundwater saved through use of recycled water at the PSNGC. The below table provides a summary of annual PSNGC reclaimed water use program. The table illustrates that the Sentinel Energy Center is ahead of schedule on conservation efforts and that from June 2012 through August 2019, the PSNGC water supply conservation program has saved 5298 acre-feet of fresh water through the reclaimed water use program.

**PSNGC Reclaim Water Usage 9-1-18 thru 8-31-19**

<b>Month/Year</b>	<b>Usage, Acre Feet</b>
September 2018	68.4
October 2018	52.3
November 2018	83.7
December 2018	45.7
January 2019	25.3
February 2019	19.6
March 2019	6.4
April 2019	33.9
May 2019	91.0
June 2019	6.6
July 2019	119.9
August 2019	79.0
<b>Total</b>	<b>631.6</b>
<b>Average</b>	<b>52.6</b>
<b>Lowest Use Month</b>	<b>6.4</b>
<b>Highest Use Month</b>	<b>119.9</b>
<b>Total to Date</b>	<b>5298.0</b>

**Note: Total to Date reflects reclaim water use from 2012 through August 2019**

**Irrigation Controller Program**

In accordance with SOIL&WATER-15, Sentinel Energy Center, LLC continues to fund DWA's irrigation controller program. Regarding the irrigation controller program effectiveness and estimated water savings, DWA issued a memorandum dated November 4, 2013 addressing these topics. In the memo, DWA confirms that the irrigation controller program continues to be funded and implemented, and that they are in the process of developing an additional water conservation project to supplement the irrigation controller program. This new project is described in the May 24, 2017 memorandum provided in Attachment 10. There are 2340 controller accounts that are tracked by DWA and an average of 0.04 acre-feet is being saved annually per account.

### Free Sprinkler Nozzles Program

In accordance with SOIL&WATER-15, Sentinel Energy Center, LLC is also helping fund DWA's free sprinkler nozzles program. Regarding the free sprinkler nozzles program effectiveness and estimated water savings, DWA issued a memorandum dated May 24, 2017 (provided in Attachment 10) addressing these topics. In the memo, DWA confirms that the free sprinkler nozzles program continues to be funded and implemented.

The below table, and in Attachment 11, provides an annual summary of the DWA Irrigation Controller Program and Free Sprinkler Nozzles Program.

### DWA Irrigation Controller Program

Invoice Period	Payment Date	Check Number	Amount
Start Up	6/14/2011	Wire Transfer	\$300,000.00
2011/2012	10/19/2012	3176213	\$46,679.18
2012/2013	8/30/2013	3251860	\$114,772.67
2013/2014	7/31/2014	3344109	\$203,811.53
2014/2015	9/1/2015		\$302,097.85
2015/2016	8/29/2016	3463395	\$187,208.01
2016/2017	4/17/2017	419120	\$142,430.76
2017/2018	7/31/2018	355571	\$100,000.00
2018/2019	7/31/2019	3596723	\$100,000.00
<b>Total:</b>			<b>\$1,497,000.00</b>

Program Summary	Reporting Year	To Date
Number of Controllers Installed	87	2340
Number of Sprinkler Nozzle Program Participants	86	86
Water Conserved from Controllers (acre-feet)	1324	7096
Water Conserved from Sprinkler Nozzle Program (acre-feet)	126	231

Note: To Date totals reflect program use from October 2011 through August 2019.

## Groundwater Remediation Program

DWA issued a memorandum dated November 4, 2013 identifying the groundwater remediation program to enhance water conservation efforts.

*The project consists of the construction and operation of two new wells designed to pump and treat groundwater that has elevated concentrations of nitrates. The treated groundwater is then blended with DWA's recycled water and used for irrigation.*

The below table provides a summary of the groundwater remediation program.

**Groundwater Remediation Program Summary 9-1-18 thru 8-31-19**

	<b>Well #1</b>	<b>Well #2</b>	<b>Both Wells</b>
<b>Month/Year</b>	<b>Usage, Acre Feet</b>	<b>Usage, Acre Feet</b>	<b>Usage, Acre Feet</b>
September 2018	14.96	0.47	15.43
October 2018	31.21	23.28	54.49
November 2018	34.98	0.99	35.97
December 2018	0.00	0.00	0.00
January 2019	6.93	8.65	15.58
February 2019	0.00	0.00	0.00
March 2019	6.52	19.33	25.85
April 2019	14.72	128.56	143.29
May 2019	16.65	50.17	66.82
June 2019	32.94	48.10	81.04
July 2019	71.36	90.51	161.87
August 2019	26.69	39.54	66.23
<b>Total</b>	<b>256.95</b>	<b>409.61</b>	<b>666.56</b>
<b>Program To Date Total</b>	<b>824.65</b>	<b>1112.41</b>	<b>1946.06</b>

**Note: Program To Date Total reflects usage from March 2015 through August 2019**

## Total Freshwater Conserved to Date

The following tables provide a summary of Grass Removal Water Savings from September 1, 2018 to August 31, 2019 and a summary from the Sentinel Energy Center's overall fresh water conservation benefits.

### Grass Removal Water Savings

Date	Hundred Cubic Feet of Water Saved	Acre Feet of Water Saved	Accounts Tracked	Square feet of turf
01-Sep-18	9200	21.12029385	67	146,688
01-Oct-18	2496	5.730027548	71	209640
01-Nov-18	8370	19.21487603	74	209640
01-Dec-18	3811	8.748852158	76	213035
01-Jan-19	4419	10.1446281	82	216857
01-Feb-19	6408	14.7107438	87	237150
01-Mar-19	8194	18.81083563	90	238692
01-Apr-19	9289	21.32460973	97	259514
01-May-19	9193	21.10422406	103	296020
01-Jun-19	9820	22.543618	105	298320
01-Jul-19	5496	12.61707989	109	305231
01-Aug-19	3361	7.715794307	114	317626

**GRAND TOTAL OF WATER SAVED Acre Feet (Sep 2018-Aug 2019)**

**183.79**

### Fresh Water Conservation Benefits Summary 9-1-18 thru 8-31-19

	Fresh Water saved during reporting year	Fresh Water saved to Date
Fresh Water Conservation Program	Acre-Feet	Acre-Feet
PSNGC Total Reclaim Water Use	632	5298
DWA Irrigation Controller Program Total Water Savings	1324	7096
Groundwater Remediation	667	1946
DWA Free Sprinkler Nozzles Program Total Water Savings	126	231
Grass Removal Water Savings	184	184
<b>Total Fresh Water Conserved</b>	<b>2932</b>	<b>14755</b>

**Note: Program To Date Total reflects benefits from inception of project program through August 2019**

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**ATTACHMENT 15**

**SURFACE TREATMENT MAINTENANCE STATUS REPORT (PER VIS-1)**

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# Sentinel Energy Center

## Surface Treatment Status Report

This status report complies with the requirements outlined in the California Energy Commission’s Condition of Certification VIS-1 for the Sentinel Energy Center, for Sentinel Energy Center, LLC to provide a status report regarding surface treatment maintenance in the Annual Compliance Report. This status report specifies a) the condition of the surfaces of all structures and buildings at the end of the reporting year; b) maintenance activities that occurred during the reporting year; and c) the schedule of maintenance activities for the next year.

Surface Treatment Inspection Date: August 31, 2019

Major Project Features <sup>1</sup>	Current Condition of Feature Surface Treatment	Maintenance Activities that Occurred During Reporting Year	Schedule of Maintenance Activities to Occur Over the Next Year
Qty 8 LMS 100 Combustion Turbine Generators (CTG)	Excellent	No maintenance performed/required	No maintenance anticipated to be necessary over the next year
Qty 8 CTG Stacks	Excellent	No maintenance performed/required	No maintenance anticipated to be necessary over the next year
Qty 8 LMS 100 Power Control Modules (PCM)	Excellent	No maintenance performed/required	No maintenance anticipated to be necessary over the next year

<sup>1</sup> The major project features identified in this status report are those listed in the project’s approved Surface Treatment Plan, dated July 28, 2011.

Major Project Features <sup>1</sup>	Current Condition of Feature Surface Treatment	Maintenance Activities that Occurred During Reporting Year	Schedule of Maintenance Activities to Occur Over the Next Year
Qty 8 Single Cell Cooling Towers	Excellent	No maintenance performed/required	No maintenance anticipated to be necessary over the next year
Operations/Warehouse Building	Excellent	No maintenance performed/required	No maintenance anticipated to be necessary over the next year
Gas Compressor Acoustic Enclosure Walls	Excellent	No maintenance performed/required	No maintenance anticipated to be necessary over the next year
Qty 8 GSU Transformer Containment	Excellent	No maintenance performed/required	No maintenance anticipated to be necessary over the next year
Qty 8 GSU Transformers	Excellent	No maintenance performed/required	No maintenance anticipated to be necessary over the next year
Qty 1 Raw Water Storage Tank	Excellent	No maintenance performed/required	No maintenance anticipated to be necessary over the next year
Qty 2 Treated (Demin) Water Storage Tanks	Excellent	No maintenance performed/required	No maintenance anticipated to be necessary over the next year

<b>Major Project Features<sup>1</sup></b>	<b>Current Condition of Feature Surface Treatment</b>	<b>Maintenance Activities that Occurred During Reporting Year</b>	<b>Schedule of Maintenance Activities to Occur Over the Next Year</b>
Qty 1 Waste Water Storage Tank	Excellent	No maintenance performed/required	No maintenance anticipated to be necessary over the next year
Fire Water Pump House Enclosure	Excellent	No maintenance performed/required	No maintenance anticipated to be necessary over the next year
Switchyard, Buses & Transmission Towers	Excellent	No maintenance performed/required	No maintenance anticipated to be necessary over the next year
Switchyard Building	Excellent	No maintenance performed/required	No maintenance anticipated to be necessary over the next year

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**ATTACHMENT 16**

**PERMANENT EXTERIOR LIGHTING STATUS REPORT (PER VIS-2)**

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# Sentinel Energy Center

## Permanent Exterior Lighting Status Report

This status report complies with the requirements outlined in the California Energy Commission's Condition of Certification VIS-2 for the Sentinel Energy Center, for Sentinel Energy Center, LLC to provide a status report regarding permanent exterior lighting in the Annual Compliance Report. This status report specifies a) the condition of the lighting that has been installed under the lighting plan (the CPV Sentinel Energy Project Lighting Mitigation Plan, dated February 2012) at the end of the reporting year; b) any deviations in lighting from the plan that occurred during the reporting year; and c) any proposed deviations from the lighting plan for the next year.

Lighting Inspection Date: August 31, 2019

### Summary of the Current Condition of the Lighting:

The condition of the lighting that has been installed under the lighting plan at the end of this reporting year (September 1, 2018 through August 31, 2019) is acceptable and meets all requirements set forth in the Conditions of Certification.

### Lighting Plan Deviation for this Reporting Period:

There have been no deviations in lighting from the plan during this reporting year (September 1, 2018 through August 31, 2019).

### Proposed Deviations from Lighting Plan:

There are no proposed deviations from the lighting plan for the next year (January 1, 2020 through December 31, 2020).

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**ATTACHMENT 17**

**VIS-3 SUBMITTAL AND CEC APPROVAL**

---

April 23, 2012

Craig Hoffman  
Compliance Project Manager  
California Energy Commission  
Energy Facilities Siting Division  
1516 Ninth Street, MS 2000  
Sacramento, CA 95814-5504



**sierra  
research**

1801 J Street  
Sacramento, CA 95811  
Tel: (916) 444-6666  
Fax: (916) 444-8373  
Ann Arbor, MI  
Tel: (734) 761-6666  
Fax: (734) 761-6755

RE: CPV Sentinel Energy Project (07-AFC-3C)  
Submittal for Condition of Certification VIS-3  
Landscape Plan

Dear Mr. Hoffman:

As there are no longer residents to the south or west of the CPV Sentinel Project with views of the project, we feel landscaping is not necessary at the project site. As such, a landscape plan, as specified in condition of certification VIS-3 (excerpt below), is no longer necessary for the project.

VIS-3: The project owner shall develop a landscape plan that: a) reduces the visibility of the project from the south and west; b) utilizes drought tolerant landscaping and incorporates adequate drought-conscious irrigation systems; and c) complies with local policies and ordinances of Riverside County, including Policy WCVAP 12.4 which requires screening and/or landscaping of outdoor storage areas, such as contractor storage yards and similar uses. Plantings on the south side of the project are to screen views of the project by residents that live to the south and west of the project.

The project owner shall submit to the CPM for review and approval and simultaneously to Riverside County for review and comment, a landscaping plan providing proper implementation that will satisfy these requirements. The plan shall include...

Verification: The landscaping plan shall be submitted to the CPM for review and approval and simultaneously to Riverside County for review and comment, at least 90 days prior to installation.

If the CPM determines that the plan requires revision, the project owner shall provide to the CPM and simultaneously to Riverside County a revised plan for review and approval by the CPM.

The planting must occur during the first optimal planting season following site mobilization. The project owner shall simultaneously notify the CPM and Riverside County within seven days after completing installation of the landscaping, that the landscaping is ready for inspection.

The project owner shall report landscape maintenance activities, including replacement of dead or dying vegetation, for the previous year of operation in each Annual Compliance Report.

We would like to request that you confirm that VIS-3 is complete and considered closed by May 1, 2012.

If you have any questions or concerns, please do not hesitate to call me at 949-514-5655 or Amanda Johnson at 949-338-7537.

Sincerely,

A handwritten signature in black ink, appearing to read "Margaret M. Fitzgerald". The signature is fluid and cursive, with a long horizontal stroke extending to the right.

Maggie Fitzgerald  
Site Compliance Manager

CC: Mark Turner, CPV Sentinel, LLC  
Mark McDaniels, CPV Sentinel, LLC  
John Murphy, CPV Sentinel, LLC  
Charles Collins, Gemma Power Systems  
Karen Timbrell, Gemma Power Systems  
Michael Carroll, Latham & Watkins, LLP  
Amanda Johnson, Sierra Research

**From:** [Hoffman, Craig@Energy](mailto:Hoffman_Craig@Energy)  
**To:** [Maggie Fitzgerald](#)  
**Cc:** [Amanda Johnson](#)  
**Subject:** RE: CPV Sentinel - COCs  
**Date:** Tuesday, March 05, 2013 9:31:11 AM  
**Attachments:** [042312 COMPLIANCE 12 and 13 Closure plan to CEC.pdf](#)

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Maggie

1. COMPLIANCE-12, On-site contingency plan (unplanned temporary closure) due 60 days prior to commercial operation. Do you have an example of this type of plan? [Example provided](#)
2. COMPLIANCE-13, On-site contingency plan (unplanned permanent closure) [Example provided](#)
3. TRANS-2, Operation parking plan. COC requires submittal to the County of Riverside for their review/approval, then submit to CPM for approval. I think the parking plan is complete and was included in a CBO-approved drawing. Is County involvement required? [We need a plot plan for our records. I need something to sign off.](#)
4. VIS-3, Landscape Plan. COC requires County approval and CPM approval. How can we close this out since there really won't be landscaping? [I will take care of this. This is complete.](#)
5. VIS-1.4 and VIS-2.4, provide notification to CPM that surface treatment and lighting are complete. Does CPM need to inspect or is this just a notification? [Just a notification of when things are done.](#)
6. TSE-1, 2, 3, 4, 5, 6, 8. Can these be considered "closed and complete"? [These can all be closed.](#)
7. WASTE-3, abandoned well. All ground disturbance is done so it is not likely that an abandoned well will be discovered on site. Can we consider this "closed and complete"? [Closed and Complete](#)
8. SOIL&WATER-12, ZLD Management Plan. Do you have an example of what this Plan might look like? [I asked Chris D. I will get you an example.](#)
9. WORKER SAFETY-2, Emergency Action Fire Prevention Plan. COC required submittal to CEC and Fire Department. Fire Department has not yet responded and we aren't sure they will respond. Can we consider their lack of response as "no comments"? [We need something for the file. Do you have a letter or email requesting comments by a certain date?](#)
10. WASTE-9, Operations Waste Management Plan. COC required submittal to CEC, DTSC, and RWQCB. If DTSC and RWQCB don't respond, which they haven't, can we consider their lack of response as "no comments"? [We need something for the file. Do you have a letter or email requesting comments by a certain date?](#)

Craig Hoffman  
Project Manager

California Energy Commission

Siting, Transmission and Environmental Protection Division  
1516 Ninth Street, MS 2000  
Sacramento, CA 95814-5512

phone: 916-654-4781  
fax: 916-654-3882

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**From:** Maggie Fitzgerald [mailto:MFitzgerald@sierraresearch.com]  
**Sent:** Tuesday, March 05, 2013 8:41 AM  
**To:** Hoffman, Craig@Energy  
**Subject:** CPV Sentinel - COCs

Hi Craig,

Below is the list of COCs and brief explanations of what I would like to discuss with you. After you've had a chance to review let's plan to discuss – maybe at 10:00?

11. COMPLIANCE-12, On-site contingency plan (unplanned temporary closure) due 60 days prior to commercial operation. Do you have an example of this type of plan?
12. COMPLIANCE-13, On-site contingency plan (unplanned permanent closure)
13. TRANS-2, Operation parking plan. COC requires submittal to the County of Riverside for their review/approval, then submit to CPM for approval. I think the parking plan is complete and was included in a CBO-approved drawing. Is County involvement required?
14. VIS-3, Landscape Plan. COC requires County approval and CPM approval. How can we close this out since there really won't be landscaping?
15. VIS-1.4 and VIS-2.4, provide notification to CPM that surface treatment and lighting are complete. Does CPM need to inspect or is this just a notification?
16. TSE-1, 2, 3, 4, 5, 6, 8. Can these be considered "closed and complete"?
17. WASTE-3, abandoned well. All ground disturbance is done so it is not likely that an abandoned well will be discovered on site. Can we consider this "closed and complete"?
18. SOIL&WATER-12, ZLD Management Plan. Do you have an example of what this Plan might look like?
19. WORKER SAFETY-2, Emergency Action Fire Prevention Plan. COC required submittal to CEC and Fire Department. Fire Department has not yet responded and we aren't sure they will respond. Can we consider their lack of response as "no comments"?
20. WASTE-9, Operations Waste Management Plan. COC required submittal to CEC, DTSC, and RWQCB. If DTSC and RWQCB don't response, which they haven't, can we consider their lack of response as "no comments"?

Let me know if 10:00 works for you. Thanks  
Maggie

**Maggie Fitzgerald**

Sierra Research  
1801 J Street

Sacramento, CA 95811

[MFitzgerald@sierraresearch.com](mailto:MFitzgerald@sierraresearch.com)

Cell: 949-514-5655

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**ATTACHMENT 18**

**NTC AND NOV DOCUMENTATION**

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South Coast Air Quality Management District  
21865 COPLEY DRIVE, DIAMOND BAR, CA 91765-4178

P 66063

# NOTICE OF VIOLATION

DATE OF VIOLATION		
Month	Day	Year
3	18	19

Facility Name: <b>Sentinel Energy Center, LLC</b>		Facility ID#: <b>152707</b>	Sector: <b>EM</b>
Location Address: <b>15775 Melissa Lane Rd</b>		City: <b>North Palm Springs</b>	Zip: <b>92258</b>
Mailing Address: <b>P.O. Box 1328</b>		City: <b>Desert Hot Springs</b>	Zip: <b>92240</b>

YOU ARE HEREBY NOTIFIED THAT YOU HAVE BEEN CITED FOR ONE OR MORE VIOLATIONS OF THE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT (SCAQMD) RULES, STATE LAW OR FEDERAL LAW. IF PROVEN, SUCH VIOLATION(S) MAY RESULT IN THE IMPOSITION OF CIVIL OR CRIMINAL PENALTIES.

EACH DAY A VIOLATION OCCURS MAY BE HANDLED AS A SEPARATE OFFENSE REGARDLESS OF WHETHER OR NOT ADDITIONAL NOTICES OF VIOLATION ARE ISSUED.

## DESCRIPTION OF VIOLATIONS

#	Authority	Code Section or Rule No.	SCAQMD Permit to Operate or CARB Registration No.	Condition No (If Applicable)	Description of Violation
1	<input checked="" type="checkbox"/> SCAQMD <input type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR	2004 (f)(1)		A195.1	Failure of facility permit holder to comply with permit condition A195.1, exceeding the CD emission limit of 4.0 ppmv in device D31
2	<input checked="" type="checkbox"/> SCAQMD <input type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR	3002 (c)(1)		A195.1	Failure of facility permit holder to comply with permit condition A195.1, exceeding the CD emission limit of 4.0 ppmv in device D31.
3	<input type="checkbox"/> SCAQMD <input type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR				
4	<input type="checkbox"/> SCAQMD <input type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR				
5	<input type="checkbox"/> SCAQMD <input type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR				

Served To: <b>Larry Wilson</b>	Phone: <b>619 990 8228</b>	Served By: <b>Jessica Abbruzzese</b>	Date Notice Served: <b>5/3/19</b>
Title: <b>Operation &amp; Maintenance manager</b>	Email: <b>l.wilson@dg-ops.com</b>	Phone No: <input checked="" type="checkbox"/> 909-396-3091 <input type="checkbox"/> 310-233-	Email: <b>JAbbruzzese@aqmd.gov</b>

*Key to Authority Abbreviations: SCAQMD - South Coast Air Quality Management District CH&SC - California Health and Safety Code CCR - California Code of Regulations	Method of Service: <input type="checkbox"/> In Person <input checked="" type="checkbox"/> Certified Mail
---	--

ORIGIN ID: PSPA (213) 712-6605  
DENNIS JOHNSON, PLANT MANAGER  
SENTINEL ENERGY CENTER LLC  
15775 MELISSA LANE

SHIP DATE: 28MAR19  
ACTWGT: 0.50 LB  
CAD: 104336906/NET4100

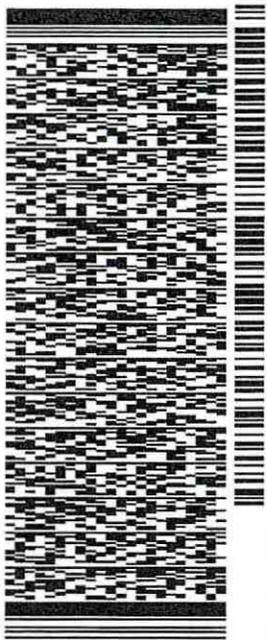
NORTH PALM SPRINGS, CA 92258  
UNITED STATES US

BILL SENDER

TO COMPLIANCE & ENFORCEMENT  
SO COAST AIR QUALITY MGMT DIST  
21865 COPELY DRIVE

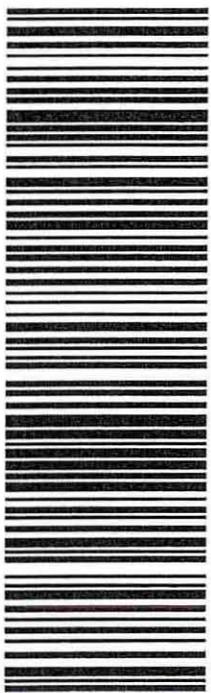
DIAMOND BAR CA 91765  
(909) 396-2000 REF: SCAQMD FORM 500-N  
INV. BREAKDOWN REPORT DEPT: COMPLIANCE & ENFORCEMENT  
PO FACILITY ID 152707

565J146D3/23AD



TRK# 7748 2614 7015  
0201  
FRI - 29 MAR 3:00P  
STANDARD OVERNIGHT

WZ POCA  
CA-US LAX  
91765



**After printing this label:**

1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.
2. Fold the printed page along the horizontal line.
3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

**Warning:** Use only the printed original label for shipping. Using a photocopy of this label for shipping purposes is fraudulent and could result in additional billing charges, along with the cancellation of your FedEx account number.

Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com. FedEx will not be responsible for any claim in excess of \$100 per package, whether the result of loss, damage, delay, non-delivery, misdelivery, or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim. Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental, consequential, or special is limited to the greater of \$100 or the authorized declared value. Recovery cannot exceed actual documented loss. Maximum for items of extraordinary value is \$1,000, e.g. jewelry, precious metals, negotiable instruments and other items listed in our ServiceGuide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

# SENTINEL Energy Center, LLC



March 25, 2019

South Coast Air Quality Management District  
Attention: Compliance and Enforcement  
21865 Copley Drive  
Diamond Bar, CA 91765

Subject: Deviation with Excess Emissions - Sentinel Energy Center, LLC (Facility ID# 152707)  
Unit 6 – March 18, 2019 (Title V – D31)

To whom it may concern,

Please find deviation report (Form 500N) for an event which occurred at Sentinel Energy Center, LLC (Sentinel), Unit 6, on March 18, 2018 at 2038 hours (CEMS time). The emissions exceedance was discovered by Marco Laguitan and reported to the SCAQMD (800-CUT SMOG) at 2219 hours.

The Unit 6 Carbon Monoxide (CO) hourly emissions PPM limit (4 ppm hourly average) was exceeded (4.74ppm hourly average) due to overcorrection of NOx water injection flow during back-to-back load changes.

If you have any questions regarding this submittal, please contact me at (760) 288-7901 or Wayne Forsyth by email at [w.forsyth@dgc-us.com](mailto:w.forsyth@dgc-us.com) or phone (213) 473-0093.

Best regards,



Dennis Johnson – Plant Manager  
Sentinel Energy Center, LLC

cc: Mr. Wayne Forsyth, Diamond Generating Corp.  
Mr. Casey Corliss, Sentinel Energy Center, LLC  
Mr. Mark McDaniels, Sentinel Energy Center, LLC

Enclosures:

1. Form 500-N
2. Excess CO Emission Calculation

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USPS Mailing Address: P.O. Box 1328, Desert Hot Springs, CA 92240  
Delivery Address: 15775 Melissa Lane, North Palm Springs, CA 92258  
Phone: 760-288-7900 -&- Fax: 760-288-7908



South Coast Air Quality Management District

**Form 500-N**

**Title V - Deviations, Emergencies & Breakdowns**

\*This written report is in addition to requirements to verbally report certain types of incidents. Verbal reports may be made by calling AQMD at 1-800-288-7664 (1-800-CUT-SMOG) or AQMD enforcement personnel.

Mail To:  
SCAQMD  
P.O. Box 4941  
Diamond Bar, CA 91765-0941  
Tel: (909) 396-3385  
www.aqmd.gov

**Section I - Operator Information**

1. Facility Name (Business Name of Operator That Appears On Permit): Sentinel Energy Center, LLC

2. Valid AQMD Facility ID (Available On Permit Or Invoice Issued By AQMD): 152707

3. Address: 15775 Melissa Lane  
(where incident occurred) Street Address

North Palm Springs CA 92258  
City State Zip

4. Mailing Address: P.O. Box 1328  
(if different from Item 3) Street Address

Desert Hot Springs CA 92240  
City State Zip

5. Provide the name, title, and phone number of the person to contact for further information:

Dennis Johnson Plant Manager (760) 288-7901  
Name Title Phone #

**Section II - Reporting of Breakdowns, Deviations, and Emergencies**

1. This written notification is to report a(n):

Type of Incident	Verbal Report Due*	Written Report Due
a. <input type="checkbox"/> Emergency under Rule 3002(g)	Within 1 hour of discovery	Within 2 working days from when the emission limit was exceeded.
b. <input type="checkbox"/> Breakdown under: <input type="checkbox"/> Rule 430 (Non-RECLAIM) <input type="checkbox"/> Rule 2004 (RECLAIM) <input type="checkbox"/> Rule 218 (Non-RECLAIM) [See Rule 218(f)(3)]	For Rules 430 & 2004 - Within 1 hour of discovery.  For Rule 218 - Within 24 hours or next business day for failure/shutdown exceeding 24 hours	For Rules 430 & 2004 - Within 7 calendar days after breakdown is corrected, but no later than 30 days from start of the breakdown, unless a written extension is granted.  For Rule 218 - With required semi-annual reports.
c. <input checked="" type="checkbox"/> Deviation with excess emissions [See Title V Permit, Section K, Condition No. 22B]	Within 72 hours of discovery of the deviation or shorter reporting period if required by an applicable State or Federal Regulation.	Within 14 days of discovery of the deviation.
d. <input type="checkbox"/> Other Deviation [See Title V Permit, Section K, Condition Nos. 22D & 23]	None	With required semi-annual monitoring reports.

2. The incident was first discovered by: Marco Laguitan on 03/18/2019 08:28  AM  PM  
Name Date Time

3. The incident was first reported by: Operator 12 on 03/18/2019 10:19  AM  PM  
Name of AQMD Staff Person Date Time

a.  Via Phone  
b.  In Person

Notification Number (Required): 553350

4. When did the incident actually occur? 03/18/2019 08:28  AM  PM  
Date Time

AQMD USE ONLY	Received By:		Assigned By:		Inspector:	
	Date/Time Received:		Date/Time Assigned:		Date/Time Received Assignment:	
	Date Delivered To Team:		Date Reviewed Inspector Report:		Date Inspected Facility:	
	Team:	Sector:	Breakdown/Deviation Notification No.		Date Completed Report:	
	Recommended Action:	Cancel Notification	Grant Relief	Issue NOV No. _____	Other: _____	
Final Action:	Cancel Notification	Grant Relief	Issue NOV No. _____	Other: _____		

5. Has the incident stopped? a.  Yes, on: 03/18/2019 08:28  AM  PM b.  No  
Date Time

6. What was the total duration of the incident? 01  
Days Hours

7. For equipment with an operating cycle, as defined in Rule 430 (b)(3)(A), when was the end of the operating cycle during which the incident occurred? \_\_\_\_\_  
Date Time  AM  PM

8. Describe the incident and identify each piece of equipment (by permit, application, or device number) affected. Attach photos (when available) of the affected equipment and attach additional pages as necessary.  
Overcorrection of NOx water injection flow during back-to-back load changes resulted in CO excess emission. (Device ID D31)

9. The incident may have resulted in a:  
a.  Violation of Permit Condition(s): A196.1, Section K Condition 8  
b.  Violation of AQMD Rule(s): \_\_\_\_\_

10. What was the probable cause of the incident? Attach additional pages as necessary.  
Overcorrection of NOx water injection flow during back-to-back load changes resulted in CO excess emission.

11. Did the incident result in excess emissions?  No  Yes (Complete the following and attach calculations.)  
 VOC \_\_\_\_\_ lbs  NOx \_\_\_\_\_ lbs  SOx \_\_\_\_\_ lbs  H2S \_\_\_\_\_ lbs  
 CO 1.096 lbs  PM \_\_\_\_\_ lbs  Other: \_\_\_\_\_ lbs \_\_\_\_\_ pollutant

12. For RECLAIM facilities Subject to Rule 2004 (j)(3) ONLY: If excess emissions of NOx and/or SOx were reported in Item 11, do you want these emissions to be counted when determining compliance with your annual allocations?  
a.  Yes, for:  NOx  SOx b.  No, for:  NOx  SOx  
If box 12(b) above is checked, include all information specified in Rule 2004(j)(3)(B) and (C), as applicable.

13. Describe the steps taken to correct the problem (i.e., steps taken to mitigate excess emissions, equipment repairs, etc.) and the preventative measures employed to avoid future incidents. Include photos of the failed equipment if available and attach additional pages as necessary.  
The unit was shutdown at 838pm. Manager promptly investigated the event. Management will retrain all operators on the importance of understanding emissions equipment, responding to emissions alarms, and tripping the unit if necessary.

14. Was the facility operating properly prior to the incident?  
a.  Yes b.  No, because: \_\_\_\_\_

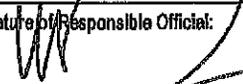
15. Did the incident result from operator error, neglect or improper operation or maintenance procedures?  
a.  Yes b.  No, because: \_\_\_\_\_

16. Has the facility returned to compliance?  
a.  No, because: \_\_\_\_\_  
b.  Yes (Attach evidence such as emissions calculations, contemporaneous operating logs or other credible evidence.)

**Section III - Certification Statement**

I certify under penalty of law that based on information and belief formed after reasonable inquiry, the statements and information in this document and in all attachments and other materials are true, accurate, and complete.

For Title V Facilities ONLY:  I also certify under penalty of law that I am the responsible official for this facility as defined in AQMD Regulation XXX.

1. Signature of Responsible Official: 	2. Title of Responsible Official: Asset Manager
3. Print Name: Mark McDaniels	4. Date: 3-25-19
5. Phone #: (760) 288-7901	6. Fax #: (760) 288-7908
7. Address of Responsible Official: P.O. Box 1328 Desert Hot Springs CA 92240 Street# City State Zip	

## Excess CO Emission Calculation

$$\#/\text{hr} = C_{\text{gas}} \times \text{MW} \times \text{dscfm} \times \text{constant}$$

$$1.096 = 0.74 \times 28 \times 341183 \times 0.000000155$$

$C_{\text{gas}}$  = effluent gas concentration, dry basis, ppm

MW = molecular weight of CO

dscfm = exhaust gas flow rate

constant = 0.000000155