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Los Esteros Critical Energy Facility, LLC

800 Thomas Foon Chew Way
San Jose, CA 95134

August 2, 2019

Mr. John Heiser
Compliance Project Manager
Los Esteros Critical Energy Facility (03-AFC-2)
California Energy Commission
1516 Ninth Street, (MS-2000)
Sacramento, CA 95814

RE: Los Esteros Critical Energy Facility (LECEF) Phase II
Docket No. 03-AFC-2
Annual Compliance Report 2018 - 2019

Dear Mr. Heiser:

In accordance with Conditions of Certification COM-7 for the Los Esteros Critical Energy Facility, this report is intended to fulfill the requirements of the Annual Compliance Report for August 2018 to July 2019.

Enclosed are the documents required by the Conditions of Certification. The documents are provided as appendices, as noted in the Annual Compliance Report:

Annual Compliance Report – Appendix 1

COM-5: Compliance Matrix – Phase I – Appendix 2

HAZ-1: Hazardous Materials List – Appendix 4

BIO-2: Biologist Record Summary

SOIL & WATER-6: Water Use Summary – Appendix 5

WASTE-2: Waste Management Comparison – Appendix 6

VIS-2/3/6: Maintenance Activities and Cooling Tower Certification – Appendix 7

If you have any additional, questions or comments please do not hesitate to contact Rosemary Silva, EHS Specialist, at 408-361-4954.

Sincerely,

Terry Mahoney
Authorized Signatory and General Manager
Los Esteros Critical Energy Facility, LLC.

Cc: Jaron Bergin Calpine Corporation
David Williams Calpine Corporation

California Energy Commission
2018 - 2019 Annual Compliance Report
Phase II
Los Esteros Critical Energy Facility 03-AFC-2

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APPENDIX 1

Los Esteros Critical Energy Facility, LLC

03-AFC-2

Annual Compliance Report #1

2018 - 2019

Project Status

Los Esteros Critical Energy Facility, LLC (LECEF), Phase I, declared Commercial Operation (COD) on March 7, 2003 under CEC docket number 01-AFC-12. LECEF was re-licensed by the CEC on March 16, 2005, docket number 03-AFC-2C, for continued operation in its current simple cycle configuration. The Phase II of the project for conversion to a combined cycle facility was approved October 11, 2006, docket number 03-AFC-2 (the "License"). Phase II declared COD on August 9, 2013.

The plant is being operated under a 10-year power purchase agreement with Pacific Gas & Electric.

This Annual Compliance Report is being prepared in accordance with Condition of Certification COM-4 and COM-7.

1. **An updated compliance matrix which shows the status of all conditions of certification (fully satisfied and/or closed conditions do not need to be included in the matrix after they have been reported as closed).**

    - The compliance matrix attached as Appendix 2

2. **A summary of the current project operating status and an explanation of any significant changes to facility operations during the year.**

    - The facility was operating in a normal status during the reporting year and there were no significant changes to facility operations. See Appendix 3.

3. **Documents required by specific conditions to be submitted along with the Annual Compliance Report. Each of these items must be identified in the transmittal letter, and should be submitted as attachments to the Annual Compliance Report.**

    - The documents required by the License are included in this report as attachments and are identified in the transmittal letter.

4. **A cumulative listing of all post-certification changes approved by the Energy Commission or cleared by the CPM.**

    a. Cooling tower post-certification petition for amendment approved as an insignificant change on October 25, 2002.

    b. Temporary transmission line change amendment approved on January 21, 2004.

    c. Project re-licensed on March 16, 2005.

    d. Combined cycle conversion approved October 11, 2006.

e. Order No. 11-0202-6 – Usage of an underground interconnection, addition of a new breaker and re-conductor, and update existing Air Quality Condition of Certification to lower the emission limits for CO and POC.

f. Amendment of the monitoring and initial source testing conditions and to allow for an additional turbine on-site.

5. **An explanation for any submittal deadlines that were missed, accompanied by an estimate of when the information will be provided.**

- There were no missed submittal deadlines during the reporting period.

6. **A listing of filings made to, or permits issued by, other governmental agencies during the year.**

a. Annual Title V Compliance Certification Report submitted June 2019

b. Annual Permit to Operate issued by BAAQMD expiring September 1, 2019

c. Monthly and Quarterly Air Compliance Reports submitted to BAAQMD.

d. Annual Hazardous Material and Hazardous Waste Permits;

- Annual Hazardous Materials Business Plan Update and Certification.

e. Annual industrial Storm Water Report to RWQCB;

f. Annual business license to the City of San Jose

g. Semi-Annual NSPS report to the EPA

h. Quarterly Electronic Data Reporting (EDR) made to the EPA.

i. All submittals required under our permits have been made on time to include, waste water reports and monthly/quarterly air reports for the reporting year.

7. **A projection of project compliance activities scheduled during the next year.**

- No compliance activities are currently scheduled for the next year.

8. **A listing of the year's additions to the on-site compliance file.**

- No additions have been made to the on-site compliance files as required by the current License.

9. **An evaluation of the on-site contingency plan for unplanned facility closure, including any suggestions necessary for bringing the plan up to date.**

- An evaluation to the on-site contingency plan for unexpected facility closure was conducted and no changes were made to the plan.

- Insurance coverage and equipment warranties for the site remain current.

10. **A listing of complaints, notices of violation, official warnings, and citations received during the year, a description of the resolution of any resolved complaints, and the status of any unresolved complaints.**

    - None this reporting period.

CONDITIONS OF CERTIFICATION SPECIFIC REQUIREMENTS

COM-13: Unplanned Temporary Closure/Onsite Contingency Plan

An evaluation to the on-site contingency plan for unexpected facility closure was conducted and no modifications were made.

HAZ-1: The project owner shall provide to the CPM, in the Annual Compliance Report, a list of all hazardous materials contained at the facility.

Hazardous material inventory from the Hazardous Materials Business Plan (HMBP) is attached as Appendix 4.

BIO-2: During project operation, the Designated Biologist shall submit record summaries in the Annual Compliance Report.

No additions to records for the 2018-2019 reporting year.

BIO-19: The annual compliance report shall provide the CPM with the name and phone number of the landscape maintenance crew supervisor.

Name: Art Gonzales

Phone number: (408) 463-0725

BIO-21: The Designated Biologist shall submit a written statement to the CPM confirming that Individual Biological Monitors have been trained.

No additional Biological Monitors have been trained.

SOIL & WATER-6: The project owner will submit as part of its annual compliance report a water use summary to the CPM on an annual basis for the life of the project.

The summary is attached as Appendix 5.

TRANS-3: The project owner shall include in its Annual Compliance Report copies of all permits and licenses acquired by the project owner concerning the transport of hazardous materials and copies of written documentation to transporters indicating the preferred route for delivery of hazardous materials.

No licenses or permits were acquired during the reporting year. The facility retains the same transporters as previously submitted.

WASTE-2: In the Annual Compliance Reports, the project owner shall document the actual waste management methods used during the year compared to planned management methods.

The summary is attached as Appendix 6.

VIS-2: The project owner shall provide a status report regarding treatment maintenance in the Annual Compliance Report.

The summary is attached as Appendix 7.

VIS-3: The project owner shall report landscape maintenance activities, including replacement of dead or dying screening trees and any major repairs to the berms and irrigation system, for the previous year of operation in each Annual Compliance Report.

The report of landscape activities is attached as Appendix 7.

VIS-6: The project owner shall provide a written certification in each annual compliance report to demonstrate that the cooling towers have consistently been operated within the design parameters, except as necessary to prevent damage to the cooling tower.

The certification is provided in the attached Appendix 7.

APPENDIX 2

CONDITION	NO.	Sort Code	PERIODIC REPORTS	Description of Project Owner Responsibilities (Conditions of Certification)	Verification/Action/Submittal Required by Project Owner	Timeframe	Days	Date Due to CPM/CBO	Date sent to CEC, CBO or agency	Date of Approval	Comment	Compliance Status
AIR QUALITY							Revised: 8/2/2019					
AQ	SC7(c)	PRE-OP			The CPM shall maintain an updated list of approved ERCs for the project.	N/A	N/A	N/A			CPM requirement	Ongoing
AQ	SC10	OP	AQ-34	The project owner shall report to the CPM the quantity of CO2 emitted on an annual basis as a direct result of electricity generation.	CO2 emissions shall be reported to the CPM once per calendar year, as part of the first quarterly compliance report submitted each year as required in Condition of Certification AQ-34.	Quarterly		Quarterly				AQ-34
AQ	SC12 (a)	OP	AQ-34	The project owner shall not operate S-5 Fire Pump Diesel Engine for testing to demonstrate compliance with a District, State, or Federal emission limit or for reliability related activities (maintenance and other testing, but excluding emission testing) simultaneously with the operation of any gas turbine (S-1, S-2, S-3, or S-4) in start-up mode.	As part of the quarterly and annual compliance reports as required by AQ-34, the project owner shall include information on the date, time, and duration of any violation of this permit condition.	Annual		Annual				AQ-34
AQ	SC12 (b)	OP	AQ-34		As part of the quarterly and annual compliance reports as required by AQ-34, the project owner shall include information on the date, time, and duration of any violation of this permit condition.	Quarterly		Quarterly				AQ-34
AQ	SC13 (a)	OP	AQ-34	The project owner shall limit the operation of S-5 Fire Pump Diesel Engine to the hours between 8 a.m. and 5 p.m. for reliability related activities (maintenance and other testing, but excluding emission testing or emergency operation).	As part of the quarterly and annual compliance reports as required by AQ-34, the project owner shall include information on the date, time, and duration of any violation of this permit condition.	Annual		Annual				AQ-34
AQ	SC13 (b)	OP	AQ-34		As part of the quarterly and annual compliance reports as required by AQ-34, the project owner shall include information on the date, time, and duration of any violation of this permit condition.	Quarterly		Quarterly				AQ-34
AQ	9(b)	PRE-OP	AQ-34		The project owner/operator shall specifically demonstrate compliance with this Condition of Certification as part of the first Quarterly Operations Report required by AQ-34 after the completion of commissioning	Quarterly	30 days at the end of the quarter	Quarterly				AQ-34
AQ	12	OP	AQ-34	Operation of this equipment shall be conducted in accordance with all information submitted with the application (and supplements thereof) and the analyses under which this permit is issued unless otherwise noted below.	The project owner/operator shall verify compliance with this Condition of Certification in each quarterly report required by Condition of Certification AQ-34.	Quarterly	30 days at the end of the quarter	Quarterly				AQ-34
AQ	13	OP	AQ-34	In the event that any part herein is determined to be in conflict with any other part contained herein, then, if principles of law do not provide to the contrary, the part most protective of air quality and public health and safety shall prevail to the extent feasible.	The project owner/operator shall verify compliance with this Condition of Certification in each quarterly report required by Condition of Certification AQ-34.	Quarterly	30 days at the end of the quarter	Quarterly				AQ-34
AQ	14	OP	AQ-15	All reasonable expenses, as set forth in the District's rules or regulations, incurred by the District for all activities that follow the issuance of this permit, including but not limited to permit condition implementation, compliance verification and emergency response, directly and necessarily related to enforcement of the permit shall be reimbursed by the owner/operator as required by the District's rules or regulations.	The owner/operators shall make access available to the facility and records upon request as set forth in Condition of Certification AQ-15	Upon request		Upon request				Access
AQ	15	OP	AQ-15	As to any part that requires for its effective enforcement the inspection of records or facilities by representatives of the District, the Air Resource Board (ARB), the U.S. EPA, or the CEC, the owner/operator shall make such records available or provide access to such facilities upon notice from representatives of the District, ARB, U.S. EPA, or CEC.	The owner/operator shall maintain records for a minimum of five (5) years and provide access to records and facilities as requested by the ARB, EPA, District and CEC.	Upon request		Upon request				Access

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AQ	17	OP	AQ-15	The owner/operator shall insure that the gas turbines, HRSGs, emissions controls, CEMS, and associated equipment are properly maintained and kept in good operating condition at all times.	The owner/operators shall make access available to the facility and records upon request as set forth in Condition of Certification AQ-15	Upon request		Upon request				Access
AQ	18	OP	AQ-15	The owner/operator shall insure that no air contaminant is discharged from the LECEF into the atmosphere for a period or periods aggregating more than three minutes in any one hour, which is as dark or darker than Ringelmann 1 or equivalent 20% opacity.	The owner/operators shall make access available to the facility and records upon request as set forth in Condition of Certification AQ-15.	Upon request		Upon request				Access
AQ	19 (a)	OP	AQ-34	a. The emissions of oxides of nitrogen (as NO2) from emission points P-1, P-2, P-3, and P-4 (combined exhaust of gas turbine/HRSG power trains S-1 & S-7, S-2 & S-8, S-3 & S-9, and S-4 & S-10,respectively) each shall not exceed 2.0 ppmvd @ 15% O2 (1-hour rolling average), except during periods of gas turbine startup and shutdown and shall not exceed 4.68 lb/hour (1-hour rolling average) except during periods of gas turbine startup as defined in this permit.	The project owner/operator shall verify compliance with this Condition of Certification in each quarterly report required by Condition of Certification AQ-34.	Quarterly		Quarterly				AQ-34
AQ	19 (b)	OP	AQ-34	b. Emissions of ammonia from emission points P-1, P-2, P-3, and P-4 (combined exhaust of gas turbine/HRSG power trains S-1 & S-7, S-2 & S-8, S-3 & S-9, and S-4 & S-10, respectively) each shall not exceed 5 ppmvd @ 15% O2 (3-hour rolling average), except during periods of start-up or shutdown as defined in this permit. The ammonia emission concentration shall be verified by the continuous recording of the ratio of the ammonia injection rate to the NOx inlet rate into the SCR control system (molar ratio).	The project owner/operator shall verify compliance with this Condition of Certification in each quarterly report required by Condition of Certification AQ-34.	Quarterly		Quarterly				AQ-34
AQ	19 (c)	OP	AQ-34	c. Emissions of carbon monoxide (CO) from emission points P-1, P-2, P-3, and P-4 (combined exhaust of gas turbine/HRSG power trains S-1 & S-7, S-2 & S-8, S-3 & S-9, and S-4 & S-10, respectively) each shall not exceed 2.0 ppmvd @ 15 % O2 (1-hour rolling average), except during periods of start-up or shutdown as defined in this permit and shall not exceed 2.85 lb/hr (1-hour rolling average) except during periods of start-up as defined in this permit.	The project owner/operator shall verify compliance with this Condition of Certification in each quarterly report required by Condition of Certification AQ-34.	Quarterly		Quarterly				AQ-34
AQ	19 (d)	OP	AQ-34	d. Emissions of precursor organic compounds (POC) from emission points P-1, P-2, P-3, and P-4 (combined exhaust of gas turbine/HRSG power trains S-1 & S-7, S-2 & S-8, S-3 & S-9, and S-4 & S-10, respectively) each shall not exceed 1 ppmvd @ 15% O2 (1-hour rolling average), except during periods of gas turbine startup or shutdown as defined in this permit; and shall not exceed 0.81 lb/hr (1-hour rolling average) except during periods of startup as defined in this permit.	The project owner/operator shall verify compliance with this Condition of Certification in each quarterly report required by Condition of Certification AQ-34.	Quarterly		Quarterly				AQ-34
AQ	19(e)	OP	AQ-34	e. Emissions of particulate matter less than ten microns in diameter (PM10) from emission points P-1, P-2, P-3, and P-4 (combined exhaust of gas turbine/HRSG power trains S-1 & S-7, S-2 & S-8, S-3 & S-9, and S-4 & S-10, respectively) each shall not exceed 2.5 pounds per hour. The PM10 mass emission rate shall be verified during any required source test. (Basis: BACT & cumulative increase.)	The project owner/operator shall verify compliance with this Condition of Certification in each quarterly report required by Condition of Certification AQ-34.	Quarterly		Quarterly				AQ-34
AQ	19(f)	OP	AQ-34	f. Emissions of oxides of sulfur (as SO2) from emission points P-1, P-2, P-3, and P-4 (combined exhaust of gas turbine/HRSG power trains S-1 & S-7, S-2 & S-8, S-3 & S-9, and S-4 & S-10, respectively) each shall not exceed 1.8 pounds per hour. The SO2 emission rate shall be verified during any required source test. (Basis: BACT & cumulative increase.)	The project owner/operator shall verify compliance with this Condition of Certification in each quarterly report required by Condition of Certification AQ-34.	Quarterly		Quarterly				AQ-34

CONDITION	NO.	Sort Code	PERIODIC REPORTS	Description of Project Owner Responsibilities (Conditions of Certification)	Verification/Action/Submittal Required by Project Owner	Timeframe	Days	Date Due to CPM/CBO	Date sent to CEC, CBO or agency	Date of Approval	Comment	Compliance Status
AQ	19(g)	OP	AQ-34	g. Compliance with the hourly NOx emission limitations specified in part 19(a), at emission points P-1, P-2, P-3, and P-4, shall not be required during short-term excursions, limited to a cumulative total of 320 hours per rolling 12 month period for all four sources combined. Short-term excursions are defined as 15-minute periods designated by the Owner/Operator that are the direct result of transient load conditions, not to exceed four consecutive 15-minute periods, when the 15-minute average NOx concentration exceeds 2.0 ppmv, dry @ 15% O2. Examples of transient load conditions include, but are not limited to the following: (1) Initiation/shutdown of combustion turbine inlet air cooling (2) Initiation/shutdown of combustion turbine water mist or steam injection for power augmentation (3) Rapid combustion turbine load changes (4) Initiation/shutdown of HRSG duct burners (5) Provision of ancillary services and automatic generation control at the direction of the California Independent System Operator (Cal- ISO) The maximum 1-hour average NOx concentration for short-term excursions at emission points P-1, P-2, P-3, and P-4 each shall not exceed 5 ppmv, dry @ 15% O2. All emissions during short-term excursions shall be included in all calculations of hourly, daily and annual mass emission rates as required by this permit.	The project owner/operator shall verify compliance with this Condition of Certification in each quarterly report required by Condition of Certification AQ-34.	Quarterly		Quarterly				AQ-34
AQ	20	OP	AQ-34	Turbine Start-up: The project owner shall ensure that the regulated air pollutant mass emission rates from each of the Gas Turbines (S-1 & S-3) during a startup does not exceed the limits established in AQ-20, as amended.	The project owner shall verify compliance with this Condition of Certification in each quarterly report required by Condition of Certification AQ-34.	Quarterly		Quarterly				AQ-34
AQ	20(b)	OP			Should it be determined that good engineering practice requires a different time period for a startup, the owner/operator may operate the gas turbines such that startups do not exceed that time period, as approved in writing by the APCO.	Relating to turbine startup		Relating to turbine startup				Not Started
AQ	21	OP	AQ-34	Turbine Shutdown: The project owner shall operate the gas turbines so that the duration of a shutdown does not exceed 30 minutes per event, or other time period based on good engineering practice that has been approved in advance by the BAAQMD. Shutdown begins with the initiation of the turbine shutdown sequence and ends with the cessation of turbine firing.	The project owner shall verify compliance with this Condition of Certification in each quarterly report required by Condition of Certification AQ-34.	Quarterly		Quarterly				AQ-34
AQ	21(b)	OP		Turbine Shutdown: The project owner shall operate the gas turbines so that the duration of a shutdown does not exceed 30 minutes per event, or other time period based on good engineering practice that has been approved in advance by the BAAQMD.		Relating to turbine shutdown		Relating to turbine shutdown				Not Started
AQ	22	OP	AQ-34	The owner/operator shall operate the LECEF so that the mass emissions from the S-1, S-2, S-3 & S-4 Gas Turbines and S-7, S-8, S-9, & S-10 HRSGs do not exceed the daily and annual mass emission limits specified in AQ-22, as amended. The owner/operator shall implement process computer data logging that includes running emission totals to demonstrate compliance with these limits so that no further calculations are required. See AQ-22 for particulars.	The project owner shall verify compliance with this Condition of Certification in each quarterly report required by Condition of Certification AQ-34.	Quarterly		Quarterly				AQ-34
AQ	23	OP	AQ-34	The owner/operator shall operate the LECEF so that the sulfuric acid mist emissions (SAM) from S-1, S-2, S-3, S-4, S-7, S-8, S-9, and S-10 combined do not exceed 7 tons totaled over any consecutive four quarters.	The project owner/operator shall verify compliance with this Condition of Certification in each quarterly report required by Condition of Certification AQ-34.	Quarterly		Quarterly				AQ-34

CONDITION	NO.	Sort Code	PERIODIC REPORTS	Description of Project Owner Responsibilities (Conditions of Certification)	Verification/Action/Submittal Required by Project Owner	Timeframe	Days	Date Due to CPM/CBO	Date sent to CEC, CBO or agency	Date of Approval	Comment	Compliance Status
AQ	24	OP	AQ-34	Operational Limits: In order to comply with the mass emission limits of this rule, the owner/operator shall operate the gas turbines and HRSGs so that they comply with the operational limits of AQ-24, as amended.	The project owner/operator shall verify compliance with this Condition of Certification in each quarterly report required by Condition of Certification AQ-34.	Quarterly		Quarterly				AQ-34
AQ	24(b)	OP	AQ-34		To demonstrate compliance with this sulfur content limit, the project owner shall sample and analyze the gas from each supply source at least monthly to determine the sulfur content of the gas, in addition to any monitoring requirements specified in condition 29.	upon first fire and Monthly		upon first fire and Monthly				AQ-34
AQ	24(b)	OP	AQ-34		The project owner shall demonstrate compliance with the daily and annual Nox and CO emission limits listed in AQ-22 by maintaining running mass emission totals based on CEM data.	upon commissioning		upon commissioning				AQ-34
AQ	25	OP	AQ-15	The owner/operator shall ensure that each gas turbine/HRSG power train complies with the monitoring requirements of AQ-25	The owner/operators shall make access available to the facility and records upon request as set forth in Condition of Certification AQ-15.	Upon request		Upon request				Access
AQ	25	OP			The ammonia injection system shall be equipped with an operational ammonia flow meter and injection pressure indicator accurate to +- five percent at full scale and shall be calibrated at least once every twelve months.	annual outage		annual outage				Not Started
AQ	26 (b)	OP		Within ninety (90) days of the startup of the gas turbines and HRSGs, and at a minimum on an annual basis thereafter, the owner/operator shall perform a RATA on the CEMS in accordance with 40 CFR Part 60 Appendix B Performance Specifications and a source test shall be performed.		Annual	365	Annual				Not Started
AQ	27(c)	OP	AQ-34	Within 60 days of start-up of the LECEF in combined-cycle configuration and on a semi-annual basis thereafter, the owner/operator shall conduct a District approved source test on exhaust points P-1, P-2, P-3, and P-4 while each Gas Turbine/HRSG power train is operating at maximum load to demonstrate compliance with the SAM emission limit specified in AQ-23. The owner/operator shall test for (as a minimum) SO2, SO3, and SAM.	The project owner/operator shall verify compliance with this Condition of Certification in each quarterly report required by Condition of Certification AQ-34.	Quarterly		Quarterly				AQ-34
AQ	27(d)	OP		After acquiring one year of source test data on these units, the owner/operator may petition the District to switch to annual source testing if test variabilitity is acceptably low as determined by the District.		after 1 yr of data from source test	365	after 1 yr of data from source test				Not Started
AQ	30	OP	AQ-34	The owner/operator shall notify the District of any breakdown condition consistent with the District's breakdown regulations.	The project owner/operator shall provide duplicate notification to the CPM of all breakdown notifications provided to the District, as required by District breakdown regulations. The duplicate notification shall be submitted to the CPM at the same time it is submitted to the District. The project owner/operator shall also include all breakdown reports for each quarter as part of the quarterly report required by Condition of Certification AQ-34.	Quarterly		Quarterly				AQ-34
AQ	30(b)	OP			The project owner/operator shall provide duplicate notification to the CPM of all breakdown notifications provided to the District, as required by District breakdown regulations. The duplicate notification shall be submitted to the CPM at the same time it is submitted to the District.	upon occurrence		upon occurrence				Not Started

CONDITION	NO.	Sort Code	PERIODIC REPORTS	Description of Project Owner Responsibilities (Conditions of Certification)	Verification/Action/Submittal Required by Project Owner	Timeframe	Days	Date Due to CPM/CBO	Date sent to CEC, CBO or agency	Date of Approval	Comment	Compliance Status
AQ	31	OP		The owner/operator shall notify the District in writing in a timeframe consistent with the District's breakdown regulations following the correction of any breakdown condition.	The project owner/operator shall provide duplicate notification to the CPM of all breakdown notifications provided to the District, as required by District breakdown regulations. The duplicate notification shall be submitted to the CPM at the same time it is submitted to the District.	upon occurrence		upon occurrence				Not Started
AQ	31	OP	AQ-34		The project owner/operator shall provide duplicate notification to the CPM of all breakdown notifications provided to the District, as required by District breakdown regulations. The project owner/operator shall also include all breakdown reports for each quarter as part of the quarterly report required by Condition of Certification AQ-34.	Quarterly		Quarterly				AQ-34
AQ	32	OP	AQ-15	Recordkeeping: The owner/operator shall maintain the records listed in AQ-32. The format of the records is subject to District review and approval	The owner/operators shall make access available to the facility and records upon request as set forth in Condition of Certification AQ-15.	Upon request		Upon request				Access
AQ	33	OP	AQ-15	The owner/operator shall maintain all records required by this permit for a minimum period of five years from the date of entry and shall make such records readily available for District inspection upon request.	The owner/operators shall make access available to the facility and records upon request as set forth in Condition of Certification AQ-15.	Upon request		Upon request				Access
AQ	34 (a)	OP	AQ-34	The owner/operator shall submit to the District a written report for each calendar quarter, within 30 days of the end of the quarter, which shall include the items listed in AQ-34.	The owner/operator shall submit to the District and the CPM for approval, written reports for each calendar quarter, within thirty (30) days of the end of the quarter.	Quarterly		Quarterly				AQ-34
AQ	34 (b)	OP	AQ-34		The report submitted in January of each year shall include an annual summary of the four quarterly reports of the preceding year.	Annual		Annual				AQ-34
AQ	36	OP	AQ-34	The owner/operator shall apply for and obtain all required operating permits from the District in accordance with the requirements of the District's rules and regulations.	The project owner/operator shall verify compliance with this Condition of Certification in each quarterly report required by Condition of Certification AQ-34	Quarterly		Quarterly				AQ-34
AQ	39	OP	AQ-34	The project owner shall not operate S-5 Fire Pump Diesel Engine more than 50 hours per year for reliability related activities.	The project owner/operator shall verify compliance with this Condition of Certification in each quarterly report required by Condition of Certification AQ-34	Quarterly		Quarterly				AQ-34
AQ	40	OP	AQ-34	The project owner shall operate S-5 Fire Pump Diesel Engine only for the following purposes: to mitigate emergency conditions, for emission testing to demonstrate compliance with a District, State, or Federal emission limit, or for reliability related activities (maintenance and other testing, but excluding emission testing).	The project owner/operator shall verify compliance with this Condition of Certification in each quarterly report required by Condition of Certification AQ-34	Quarterly		Quarterly				AQ-34
AQ	41	OP	AQ-15	The project owner shall operate S-5 Fire Pump Diesel Engine only when a nonresettable totalizing meter (with a minimum display capability of 9,999 hours) that measures the hours of operation for the engine is installed, operated and properly maintained.	The project owners shall make access available to the facility and records upon request as set forth in Condition of Certification AQ-15.	Upon request		Upon request				Access
AQ	41	OP	AQ-34		Submit photos of the meter in quarterly reports.	Quarterly		Quarterly				AQ-34
AQ	42	OP	AQ-15	The project owner shall maintain the following monthly records as set forth in AQ-42, as amended, in a District approved log for at least 60 months from the date of entry. Log entries shall be retained on site, either at a central location or at the engine's location, and made immediately available to the District staff upon request.	The owner/operators shall make access available to the facility and records upon request as set forth in Condition of Certification AQ-15.	Upon request		Upon request				Access

CONDITION	NO.	Sort Code	PERIODIC REPORTS	Description of Project Owner Responsibilities (Conditions of Certification)	Verification/Action/Submittal Required by Project Owner	Timeframe	Days	Date Due to CPM/CBO	Date sent to CEC, CBO or agency	Date of Approval	Comment	Compliance Status
AQ	43	OP		The owner/operator shall operate the facility such that maximum calculated annual toxic air contaminant emissions (pursuant to AQ-45) from the gas turbines and HRSGs combined (S-1, S-2, S-3, S-4, S-7, S-8, S-9, and S-10) do not exceed the limits of AQ-43, unless the following requirement is satisfied: The owner/operator performs a health risk assessment, as set forth in AQ-43,and the District and CPM adjust the carcinogenic compound emission limits. The analysis shall be submitted to the District and the CEC CPM within 60 days of the source test date.	See Condition of Certification AQ-44.	after source testing	60	after source testing				Not Started
AQ	43(b)	OP		The project owner/operator may request the District and CPM to revise the carcinogenic compound emission limits specified above. If the project owner demonstrates to the satisfaction of the APCO that these revised emission limits will result in a cancer risk of ot more than 1.0 in a one million, the District and CPM may, at their discretion, adjust the carcinogenic compound emission limits listed above.		as Required		as Required				Not Started
AQ	44	OP		To demonstrate compliance with AQ-43, the owner/operator shall calculate and record on an annual basis the maximum projected annual emissions for the compounds specified in AQ-43 using the maximum heat input of 18,215,000 MMBtu/year and the highest emission factor (pound of pollutant per MMBtu) determined by any source test of the S-1, S-2, S-3 & S-4 Gas Turbines and S-7, S-8, S-9, and S-10 HRSGs.	Within 60 days of the completion of any health risk assessment, the owner/operator shall submit a complete report to the District and the CPM for review.	After completion of any health risk assessment (Do after source testing)	60	After completion of any health risk assessment (Do after source testing)				Not Started
AQ	44(b)	OP		If this calculation method results in an unrealistic mass emission rate the applicant may use an alternate calculation, subject to District approval.		As Required		As Required				Not Started
AQ	45 (b)	OP		Within 60 days of startup of the Los Esteros Critical Energy Facility and on a biennial (once every two years) thereafter, the owner/operator shall conduct a District-approved source test at exhaust point P-1, P-2, P-3, or P-4 while the Gas Turbines are at maximum allowable operating rates to demonstrate compliance with AQ-44.	At least 20 days prior to the intended source test date, the owner/operator shall submit a source testing methodology to the District and CPM for review and approval.	2 yrs after initial source test date	730	2 yrs after initial source test date				Not Started
AQ	45 (d)	OP			If three consecutive biennial source tests demonstrate that the annual emission rates for any of the compounds listed above calculated pursuant to part 45 are less than the BAAQMD Toxic Risk Management Policy trigger levels shown below, then the project owner may discontinue future testing for that pollutant.	After 3 consecutive biennial tests	2190	After 3 consecutive biennial tests				Not Started
AQ	46	OP	AQ-34	The project owner shall properly install and maintain the cooling towers to minimize drift losses. The project owner shall equip the cooling towers with high efficiency mist eliminators with a maximum guaranteed drift rate of 0.0005%. The maximum total dissolved solids (TDS) measured at the base of the cooling towers or at the point of return to the wastewater facility shall not be higher than 6,000 ppmw (mg/l).	The project owner/operator shall verify compliance with this Condition of Certification in each quarterly report required by Condition of Certification AQ-34.	Quarterly		Quarterly				AQ-34
AQ	46(b)	OP		The owner/operator shall sample and test the cooling tower water at least once per day to verify compliance with the TDS limit.		upon operation of CT	daily	upon operation of CT			Rosemary to look into buying meters	Ongoing
AQ	47 (a)	OP	AQ-34	The owner/operator shall perform a visual inspection of the cooling tower drift eliminators at least once per calendar year, and repair or replace any drift eliminator components which are broken or missing.		Annual		Annual				AQ-34

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AQ	47 (d)	OP	AQ-34		The project owner/operator shall verify compliance with this Condition of Certification in the fourth quarter report of each year required by Condition of Certification AQ-34. Note: Have CTD write letter stating that it has been installed to spec.	Annual		Annual				AQ-34
AQ	47 (e)	OP		The CPM may, in years 5 and 15 of cooling tower operation, require the owner/operator to perform source tests to verify continued compliance with the vendor-guaranteed drift rate specified in AQ-46.		5 yrs after CT operation	1825	5 yrs after CT operation				Not Started
BIOLOGICAL RESOUCES												
BIO	2 (b)	OP	ACR	The CPM approved Designated Biologist shall perform the requirements of BIO-2 during any site and related facilities mobilization, construction, and operation activities for the combined cycle facility	During project operation, the Designated Biologist shall submit record summaries in the Annual Compliance Report.	Annual		Annual				ACR
BIO	3 (a)	ALL		The project owner's Construction/Operation Manager for the combined cycle facility shall act on the advice of the Designated Biologist and Biological Monitor(s) to ensure conformance with the Biological Resources Conditions of Certification.	Within 2 working days of a Designated Biologist or Biological Monitor(s) notification of non-compliance with a Biological Resources COC or a halt of construction or operation, the project owner shall notify the CPM by telephone of the circumstances and actions being taken to resolve the problem or the non-compliance with a condition.	After notification of non-compliance with a Biological Resources COC	2	After notification of non-compliance with a Biological Resources COC			NOT NEEDED TO DATE	Not Started
BIO	3 (b)	OP		The project owner's Construction/Operation Manager for the combined cycle facility shall act on the advice of the Designated Biologist and Biological Monitor(s) to ensure conformance with the Biological Resources Conditions of Certification.	For anynecessary corrective action taken by the project owner, a determination of success or failure will be made by the CPM within five working days after receipt of notice that corrective action is completed, or the project owner will be notified by the CPM that coordination with other agencies will require additional time before a determination can be made.	After notification of non-compliance with a Biological Resources COC	5	After notification of non-compliance with a Biological Resources COC			NOT NEEDED TO DATE	Not Started
BIO	4 (c)	OP			During project operation, signed statements for active project operational personnel shall be kept on file for six months, following the termination of an individual's employment.	On File / Available Upon request		On File / Available Upon request				Access
BIO	8 (c)	POST-CONS			Within 30 days after completion of project construction, the project owner shall provide to the CPM, for review and approval, a written report identifying which items of the BRMIMP have been completed, a summary of all modifications to mitigation measures made during the project's construction phase, and which mitigation and monitoring plan items are still outstanding.	After completion of project construction	30	9/28/13	1/27/2014			Submitted
BIO	9	CLOSURE		The project owner will incorporate into the planned permanent or unexpected permanent closure plan measures that address the local biological resources.	At least 12 months (or a mutually agreed upon time) prior to the commencement of closure activities construction, the project owner shall address all biological resources related issues associated with facility closure in a Biological Resources Element.	Prior to site closure	365	Prior to site closure				Not Started
BIO	10(b)	POST-CONS			Provide a post-construction compliance report, within 45 calendar days of completion of the project, to the CPM.	After completion of project construction	45	10/13/2013	1/27/2014			Submitted
BIO	19 (b)	OP	ACR		The annual compliance report shall provide the CPM with the name and phone number of the landscape maintenance crew supervisor.	Annual		Annual				ACR

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CULTURAL RESOUCES												
CUL	9 (a)	CONS		After completion of the project, the project owner shall ensure that the CRS prepares a Cultural Resources Report (CRR) according to the Archaeological Resource Management Reports Guidelines as recommended by the California Office of Historic Preservation.	After completion of the project, the project owner shall ensure that the CRS completes the CRR within ninety days following completion of the analysis of the recovered cultural materials.	after completion of the project	90	11/27/2013	3/5/2014 6/12/2014			Submitted
CUL	9(b)	CONS			After completion of the project, the project owner shall ensure that the CRS completes the CRR within ninety days following completion of the analysis of the recovered cultural materials. Within seven days after completion of the report, the project owner shall submit the CRR to the CPM for review and approval.	After completion of the report	7	12/4/2013	3/5/2014 6/12/2014			Submitted
CUL	9 (c)	CONS			Within 30 days after receiving approval of the CRR, the project owner shall provide to the CPM documentation that the report has been sent to the State Historic Preservation Officer and the appropriate archaeological information center(s).	After receiving approval of the CRR	30	After receiving approval of the CRR				Not Started
CUL	10 (a)	CONS		If significant cultural resource deposits are encountered through testing or project monitoring, the project owner shall ensure that all cultural resource materials, maps, and data collected during data recovery and mitigation for the project are delivered to a public repository that meets the US Secretary of Interior requirements for the curation of cultural resources following the filing of the CPM-approved CRR with the appropriate entities. The project owner shall pay any fees for curation required by the repository.	The project owner shall ensure that all significant recovered cultural resource materials and a copy of the CRR are delivered for curation. Significance will be determined after consultation with the CPM. The project owner shall provide a copy of the transmittal letter received from the curation facility and provide a copy to the CPM within thirty days after receipt.	After receipt	30	After receipt			NOT NEEDED TO DATE	Not Started
CUL	10 (b)	ALL			For the life of the project, the project owner shall maintain in its compliance files copies of signed contracts or agreements with the public repository to which the project owner has delivered for curation all cultural resource materials collected during testing, data recovery and mitigation for the project.	Upon discovery		Upon discovery			NOT NEEDED TO DATE	Not Started
FACILITY DESIGN												
GEN												
GEN	1 (a)	PRE-OP		The project owner shall design, construct and inspect the project in accordance with the 2010 CBSC which and all other applicable engineering LORS in effect at the time initial design plans are submitted to the CBO for review and approval.	Within 30 days after receipt of the Certificate of Occupancy, the project owner shall submit to the Compliance Project Manager (CPM) a statement of verification, signed by the responsible design engineer, attesting that all designs, construction, installation and inspection requirements of the applicable LORS and the Energy Commission's Decision have been met in the area of facility design.	After receipt of Certificate of Occupancy	30	8/14/13	8/15/2013 3/10/2014	12/31/2013		Submitted
GEN	1 (b)	PRE-OP			The project owner shall provide the CPM a copy of the Certificate of Occupancy within 30 days of receipt from the CBO.	After receipt of Certificate of Occupancy	30	8/14/13	3/10/2014		Temp Occupancy Sent 8/15/2013	Submitted
GEN	8 (b)	CONS			After storing final approved engineering plans, specifications and calculations as described above, the project owner shall submit to the CPM a letter stating that the above documents have been stored and indicate the storage location of such documents.	Due around COD		Due around COD				Not Started
ELEC												

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ELEC	1 (d)	CONS			Upon approval, the above listed plans, together with design changes and design change notices, shall remain on the site or at another accessible location for the operating life of the project.	Upon request		Upon request				Access
GENERAL CONDITIONS												
COM	1	ALL		Unrestricted Access	The project owner shall grant Energy Commission staff and delegate agencies or consultants unrestricted access to the power plant site.	Upon request		Upon request				Access
COM	2	ALL		Compliance Record	The project owner shall maintain project files onsite. Energy Commission staff and delegate agencies shall be given unrestricted access to the files. The files shall contain copies of all "as built" drawings, all documents submitted as verification for conditions, and all other project-related documents.	Upon request		Upon request				Access
COM	3	ALL		Compliance Verification Submittals	The project owner is responsible for the delivery and content of all verification submittals to the CPM, whether the condition was satisfied by work performed by the project owner or his agent. Cover letters consistent with the COM-3 are required for all compliance submittals.	As required		As required				Ongoing
COM	5	ALL	MCR/ACR	Compliance Matrix	The project owner shall submit a compliance matrix (in a spreadsheet format) with each monthly and annual compliance report which includes the status of all compliance conditions of certification.	Annual		Annual				ACR
COM	7	OP	ACR	Annual Compliance Report	After construction ends and throughout the life of the project, the project owner shall submit Annual Compliance Reports instead of Monthly Compliance Reports.	Annual		Annual			First ACR due 4/9/2014	ACR
COM	8 (b)	PRE-OP		Construction and Operation Security Plan	At least 30 days prior to the initial receipt of hazardous material on site, the project owner shall submit a Security Plan & Vulnerability Assessment for the operational phase.	Prior to receipt of hazardous materials (Oct/Nov. 2012)	30	3/9/13	9/18/2012 5/29/2013			Submitted
COM	9	ALL		Confidential Information	Any information the project owner deems confidential shall be submitted to the Dockets Unit with an application for confidentiality.	as required		as required				Ongoing
COM	11 (c)	ALL		Reporting of Complaints, Notices, and Citations	Within 10 days of receipt, the project owner shall report to the CPM, all notices, complaints, and citations.	After receipt	10	After receipt			NOT NEEDED TO DATE	Not Started
COM	12	CLOSURE		Planned Closure	The project owner shall submit a closure plan to the CPM at least twelve months prior to commencement of a planned closure.	Prior to site closure	365	Prior to site closure			NOT NEEDED TO DATE	Not Started
COM	14	CLOSURE		Unplanned Permanent Closure/On-Site Contingency Plan	A closure plan, consistent with the requirements for a planned closure, shall be developed and submitted to the CPM within 90 days of the permanent closure or another period of time agreed to by the CPM.	After permanent facility closure	90	After permanent facility closure			NOT NEEDED TO DATE	Not Started
HAZARDOUS MATERIALS MANAGEMENT												
HAZ	1	OP	ACR	The project owner shall not use any hazardous material in any quantity or strength not listed in Appendix B (AFC Tables 8.5-2 and 8.5.5) appended to the end of these Conditions unless approved in advance by the CPM.	The project owner shall provide to the CPM in the Annual Compliance Report, a list of all hazardous materials used and stored at the facility.	Annual		Annual				ACR

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HAZ	8 (c)	OP			For subsequent inspections, the project owner shall provide to the CPM for review and approval any plan amendments, or a letter indicating there are none, at least one year before implementing the subsequent inspections.	Prior to subsequent annual inspections	365	Prior to subsequent annual inspections				Not Started
HAZ	8 (d)	OP		Complete design review and detailed inspection 30 yrs after initial startup and each 5 years thereafter.		30 yrs after initial gas startup		30 yrs after initial gas startup				Not Started
HAZ	9 (b)	OP			The plan shall be amended, as appropriate, and submitted to the CPM for review and approval, at least every five years.	After flow of gas	5 yrs.	After flow of gas				Not Started
HAZ*	10(b)	OP		The pipeline will be leak surveyed annually for leakage.		Annual	365	Annual				Not Started
NOISE AND VIBRATION												
NOISE	1(a)	OP		This telephone number shall be maintained until the project has been operational for at least one year.		upon operational	365	upon operational				Ongoing
NOISE	2 (a)	ALL		Throughout the construction and operation of the project, the project owner shall document, investigate, evaluate, and attempt to resolve all project-related noise complaints as outlined by NOISE-2.	Within 10 days of receiving a noise complaint, the project owner shall file a copy of the Noise Complaint Resolution Form with the local jurisdiction and the CPM, documenting the resolution of the complaint.	After receiving a noise complaint	10	After receiving a noise complaint			NOT NEEDED TO DATE	Ongoing
NOISE	2 (b)	OP		Throughout the construction and operation of the project, the project owner shall document, investigate, evaluate, and attempt to resolve all project-related noise complaints as outlined by NOISE-2.	If mitigation is required to resolve a complaint, and the complaint is not resolved within a 3-day period, the project owner shall submit an updated Noise Complaint Resolution Form when the mitigation is implemented.	When mitigation is implemented	none stated	When mitigation is implemented			NOT NEEDED TO DATE	Ongoing
PALEONTOLOGICAL RESOURCES												
PAL	5	CONS		The project owner, through the designated PRS, shall ensure recovery, preparation for analysis, analysis, identification and inventory, the preparation for curation, and the delivery for curation of all significant paleontological resource materials encountered and collected during the monitoring, data recovery, mapping, and mitigation activities related to the project.	The project owner shall maintain in its compliance files copies of signed contracts or agreements with the designated PRS and other qualified research specialists who will ensure the necessary data and fossil recovery, mapping, preparation for analysis, analysis, identification and inventory, and preparation for and delivery of all significant paleontological resource materials collected during data recovery and mitigation for the project.	Upon discovery		Upon discovery			Contract with CH2MHill Environmental	Access
PAL	5(a)	OP		The project owner shall maintain these files for a period of three years after completion and approval of the CPM-approved Paleontological Resources Report and shall keep these files available for periodic audit by the CPM.		Upon request		Upon request				Access
PAL	6	CONS		The project owner shall ensure preparation of a Paleontological Resources Report by the designated paleontological resource specialist.	Within ninety (90) days following completion of the analysis of the recovered fossil materials, the project owner shall submit a copy of the PRR to the CPM for review and approval under a cover letter stating that it is a confidential document.	Following completion of the analysis	90	As Required	11/25/2013 - Submitted Confidential 1/28/2014			Submitted
SOIL & WATER RESOURCES												
S&W	6 (a)	OP	ACR	The project owner will install metering devices and/or utilize meters installed by the City of San Jose in order to record on a monthly basis the amount of recycled water used by the project. The project owner shall prepare an annual summary pursuant to SOIL & WATER-6.	The project owner will submit as part of its annual compliance report a water use summary to the CPM on an annual basis for the life of the project.	Annual		Annual				ACR

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S&W	6 (c)	OP			Any significant changes in the water supply for the project during construction or operation of the plant shall be noticed in writing to the CPM at least 60 days prior to the effective date of the proposed change.	Prior to proposed change	60	Prior to proposed change				Not Started
TRAFFIC AND TRANSPORTATION												
TRANS	3 (b)	OP	ACR		The project owner shall include in its Monthly Compliance Reports during construction and Annual Compliance Reports during operations copies of all permits and licenses acquired by the project owner concerning the transport of hazardous materials and copies of written documentation to transporters indicating the preferred route for delivery of hazardous materials.	Annual		Annual				ACR
TRANS	5 (a)	CONS		The project owner shall repair affected public rights-of-way (e.g., highway, road, bicycle path, pedestrian path, etc.) to original or near original condition that have been damaged due to construction activities conducted for the project and its associated facilities.	Within 60 calendar days after completion of construction, the project owner shall meet with the CPM, the affected local jurisdiction(s) and Caltrans (if applicable) to identify sections of the public right-of-way to be repaired, to establish a schedule to complete the repairs, and to receive approval for the action(s).	After completion of project construction	60	After completion of project construction				Ongoing
TRANS	5 (b)	CONS			Following completion of any public right-of-way repairs, the project owner shall provide to the CPM a letter signed by the affected local jurisdiction(s) and Caltrans stating their satisfaction with the repairs.	Following completion of any public right-of-way repairs		Following completion of any public right-of-way repairs				Ongoing
VISUAL RESOURCES												
VIS	2 (b)	PRE-OP		Done prior to COD	Prior to the start of commercial operation of Phase 2, the project owner shall notify the CPM that all structures treated during manufacture and all structures treated in the field are ready for inspection.	Prior to the start of operation	1	7/24/13	7/11/2013			Submitted
VIS	2 (c)	OP	ACR		The project owner shall provide a status report regarding treatment maintenance in the Annual Compliance Report. The report shall specify a): the condition of the surfaces of all buildings and structures (including the perimeter walls) 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.	Annual		Annual				ACR
VIS	3 (d)	OP	ACR		The project owner shall report landscape maintenance activities, including replacement of dead or dying screening trees and any major repairs to the berms and irrigation system, for the previous year of operation in each Annual Compliance Report.	Annual		Annual				ACR
VIS	4 (e)	ALL			Within 48 hours of receiving a lighting complaint, the project owner shall provide to the CPM a) a report of the complaint, b) a proposal to resolve the complaint, and c) a schedule for implementation of the proposal.	After complaint	2	After complaint			NOT NEEDED TO DATE	Not Started

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VIS	4 (e)	ALL			The project owner shall provide a copy of the completed complaint resolution form to the CPM within 10 days of complaint resolution.	After complaint resolution	10	After complaint resolution			NOT NEEDED TO DATE	Not Started
VIS	6 (b)	OP	ACR		The project owner shall provide a written certification in each annual compliance report to demonstrate that the cooling towers have consistently been operated within the design parameters, except as necessary to prevent damage to the cooling tower.	Annual		Annual				ACR
VIS	6 (c)	OP			If the CPM determines that cooling tower operation monitoring is required, then the project owner shall provide to the CPM the cooling tower operating data within 30 days of the end of the monitoring period.	After monitoring periods	30	After monitoring periods				Not Started
WASTE MANAGEMENT												
WASTE	1	ALL		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 of any such action taken or proposed to be taken against the project itself, or against any waste hauler or disposal facility or treatment operator with which the owner contracts.	The project owner shall notify the CPM in writing within 10 days of becoming aware of an impending enforcement action.	Upon becoming aware of an impending enforcement action	10	Upon becoming aware of an impending enforcement action				Not Started
WASTE	2 (d)	OP	ACR		In the Annual Compliance Reports, the project owner shall document the actual waste management methods used during the year compared to planned management methods.	Annual		Annual				ACR
WASTE	6 (C)	CONS		A SMP summary report, which includes all analytical data and other findings, must be submitted once the earthwork has been completed	A SMP summary shall be submitted to CPM and DTSC within 25 days of completion of any earthwork.	Near the end of construction	25	7/18/13	1/27/2014		SENT TO DTSC 1/27/14	Submitted
WASTE	7	OP		The project owner shall not change ownership of, rent, or lease the entire project site or a portion for non-power plant use, without first notifying the CPM and DTSC (or its successor) and performing any remediation necessary to bring that particular portion of the site or the entire site itself (as applicable) into conformance with then current site cleanup standards appropriate to the intended use of that portion or the entire site.	At least 90 days prior to the change of ownership, rental or lease of the project site or a portion for non-power plant use, the project owner shall submit such notification to the CPM and DTSC and a statement that documents that the particular portion or the entire site will meet then current cleanup standards appropriate to its intended use or a remediation plan, if required to bring that portion or the entire site into conformance with the intended use	Prior to the change of ownership	90	Prior to the change of ownership			NOT NEEDED TO DATE	Not Started
WORKER SAFETY AND FIRE PROTECTION												
SAFETY	2	PRE-OP		The project owner shall submit to the CPM an updated Project Operations and Maintenance Safety and Health Program containing the following: • Operation Injury and Illness Prevention Plan; • Emergency Action Plan; • Hazardous Materials Management Program; • Operations and Maintenance Safety Program; • Fire Protection and Prevention Program • Personal Protective Equipment Program The OIIPP, EAP, and PPEP shall be submitted to Cal/OSHA Consultation Service for review and comment. The OFPP and the EAP shall be submitted to the City of San Jose Fire Dept. for review and comment.	At least 30 days prior to the start of operation, the project owner shall submit to the CPM for review and approval a copy of the updated Project Operations and Maintenance Safety & Health Program.	Prior to the start of operation	30	6/25/13	5/23/2013 8/2/2013		Revised Plan with CEC comments sent 8/2/2013	Submitted

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SAFETY	4 (a)	PC		The project owner shall employ a CPM-approved Safety Monitor, who will report directly to the CBO, and who will be responsible for verifying that the CSS, as required in Worker Safety-5, implement all appropriate Cal/OSHA and Commission safety requirements specified in the evidentiary record and in Conditions Worker Safety 1, 2, and 3 of this Decision.	The project owner shall submit the Safety Monitor(s) resume(s) to the CPM for approval at least 30 days prior to site mobilization. One or more individuals may hold this position.	Prior to the start of mobilization	30	4/9/11	4/18/2011 6/2/2011 5/13/2013	5/2/2011 6/8/2011		Submitted
SAFETY	5	PC		The project owner shall provide a site Construction Safety Supervisor (CSS) who, by way of training and/or experience, is knowledgeable of power plant construction activities and relevant laws, ordinances, regulations, and standards, is capable of identifying workplace hazards relating to the specific operations, and has authority to take appropriate action.	At least 30 days prior to the start of site mobilization, the project owner shall submit to the CPM the name and qualifications of the CSS for review and approval.	Prior to the start of mobilization	30	4/9/11	2/15/2011 5/18/2012 8/24/2012	3/14/2011 6/08/2011		Submitted

APPENDIX 3

Operating Data Summary August 2018 - July 2019

Los Esteros JT1			Los Esteros JT2			Los Esteros JT3			Los Esteros JT4			Los Esteros ST5		
Month	Net MWh	Primary Fuel Quantity Burned (MMcf GG)	Month	Net MWh	Primary Fuel Quantity Burned (MMcf GG)	Month	Net MWh	Primary Fuel Quantity Burned (MMcf GG)	Month	Net MWh	Primary Fuel Quantity Burned (MMcf GG)	Month	Net MWh	Secondary Fuel Quantity Burned (MMcf GG)
Aug-18	11,572	116.52	Aug-18	11,611	109.931	Aug-18	13,091	132.414	Aug-18	11,765	118.934	Aug-18	23,823	90.859
Sep-18	726	7.618	Sep-18	411	3.964	Sep-18	478	5.029	Sep-18	731	7.737	Sep-18	826	3.182
Oct-18	4,749	48.778	Oct-18	4,364	41.513	Oct-18	6,064	63.006	Oct-18	5,715	59.16	Oct-18	8,080	23.41
Nov-18	5,229	54.264	Nov-18	5,454	52.472	Nov-18	7,355	77.552	Nov-18	6,562	69.058	Nov-18	10,123	29.312
Dec-18	1,975	20.403	Dec-18	5,352	51.259	Dec-18	5,717	59.139	Dec-18	6,136	63.578	Dec-18	8,585	26.028
Jan-19	-	0.000	Jan-19	-	0.000	Jan-19	-	0.000	Jan-19	-	0.000	Jan-19	-	0.000
Feb-19	8,716	89.753	Feb-19	8,512	82.165	Feb-19	9,560	98.813	Feb-19	9,076	94.623	Feb-19	17,641	61.772
Mar-19	1,568	16.268	Mar-19	1,682	16.424	Mar-19	1,966	20.684	Mar-19	1,726	18.022	Mar-19	3,163	10.205
Apr-19	-	0.000	Apr-19	-	0.000	Apr-19	-	0.000	Apr-19	-	0.000	Apr-19	-	0.000
May-19	-	0.000	May-19	-	0.000	May-19	-	0.000	May-19	-	0.000	May-19	-	0.000
Jun-19	860	9.035	Jun-19	1,100	10.507	Jun-19	566	6.103	Jun-19	373	3.907	Jun-19	883	3.002
Jul-19	3,590	36.216	Jul-19	3,172	30.183	Jul-19	4,310	44.791	Jul-19	3,633	37.436	Jul-19	6,600	23.594

APPENDIX 4

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **Los Esteros Critical Energy Facility**
Facility Name **Los Esteros Critical Energy Facility**
800 THOMAS FOON CHEW WY, San Jose 95134

Chemical Location
4160 kV STATION SERVICE TRANSFORMERS

CERS ID **10096750**
Facility ID **43-060-408767**
Status **Submitted** on 3/4/2019 2:30 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 9 - Misc. Hazardous Materials	**DIALA OIL AX** CAS No NA Map: 1 Grid: F8, E8	**Gallons** State Liquid Type Mixture	**9210** Storage Container Aboveground Tank Days on Site: 365	**4605**	9210 Pressue Ambient Temperature < Ambient	Waste Code	- Health Respiratory Skin Sensitization	HIGHLY REFINED PETROLEUM OILS	100 %		128-37-0

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **Los Esteros Critical Energy Facility**
Facility Name **Los Esteros Critical Energy Facility**
800 THOMAS FOON CHEW WY, San Jose 95134

Chemical Location **480 V TRANSFORMERS**

CERS ID **10096750**
Facility ID **43-060-408767**
Status **Submitted** on 3/4/2019 2:30 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 3 - Flammable and Combustible Liquids	**LUBRICATING OIL** CAS No Map: 1 Grid: C2, F7, C8, E7	**Gallons** State: Liquid Type: Mixture	**2248** Storage Container: Other Days on Site: 365	**489**	2248 Pressue: Ambient Temperature: Ambient	Waste Code	- Physical Flammable - Health Acute Toxicity				

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **Los Esteros Critical Energy Facility**
Facility Name **Los Esteros Critical Energy Facility**
800 THOMAS FOON CHEW WY, San Jose 95134

Chemical Location **AIR COMPRESSORS**

CERS ID **10096750**
Facility ID **43-060-408767**
Status **Submitted** on 3/4/2019 2:30 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 3 - Flammable and Combustible Liquids	**LUBRICATING OIL** CAS No Map: 1 Grid: C4	**Gallons** State: Liquid Type: Mixture	**98** Storage Container: Other Days on Site: 365	**49**	98 Pressue: Ambient Temperature: Ambient	Waste Code	- Physical Flammable - Health Acute Toxicity				

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **Los Esteros Critical Energy Facility**
Facility Name **Los Esteros Critical Energy Facility**
800 THOMAS FOON CHEW WY, San Jose 95134

Chemical Location **AMMONIA STORAGE AREA**

CERS ID **10096750**
Facility ID **43-060-408767**
Status **Submitted** on 3/4/2019 2:30 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 8 - Corrosives (Liquids and Solids) Corrosive	**AMMONIUM HYDROXIDE 19%** CAS No 1336-21-6 ✔EHS Map: 1 Grid: H6	**Pounds** State Liquid Type Mixture	**24741.81** Storage Container Aboveground Tank Days on Site: 365	**14554**	24741.81 Pressue Ambient Temperature Ambient	Waste Code	- Physical Corrosive To Metal - Health Acute Toxicity - Health Skin Corrosion Irritation - Health Serious Eye Damage Eye Irritation				

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **Los Esteros Critical Energy Facility**
Facility Name **Los Esteros Critical Energy Facility**
800 THOMAS FOON CHEW WY, San Jose 95134

Chemical Location **BOILER CHEMICAL SKID**

CERS ID **10096750**
Facility ID **43-060-408767**
Status **Submitted** on 3/4/2019 2:30 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 8 - Corrosives (Liquids and Solids) Corrosive	**CHEMTREAT BL-152** CAS No Map: 1 Grid: E5	**Gallons** State: Liquid Type: Mixture	**400** Storage Container: Aboveground Tank Days on Site: 365	**400**	400 Pressue: Ambient Temperature: Ambient	0 Waste Code	- Physical Corrosive To Metal - Health Acute Toxicity - Health Skin Corrosion Irritation - Health Serious Eye Damage Eye Irritation	AMMONIUM HYDROXIDE ETHANOLAMINE	30 % 10 %	✓	1336-21-6 141-43-5
DOT: 8 - Corrosives (Liquids and Solids) Corrosive	**CHEMTREAT BL-17945** CAS No Map: 1 Grid: E5	**Gallons** State: Liquid Type: Mixture	**400** Storage Container: Aboveground Tank Days on Site: 365	**400**	400 Pressue: Ambient Temperature: Ambient	0 Waste Code	- Physical Corrosive To Metal - Health Acute Toxicity - Health Skin Corrosion Irritation	Sodium hydroxide SODIUM PHOSPHATE	2 % 5 %		1310-73-2 7601-54-9

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **Los Esteros Critical Energy Facility**
Facility Name **Los Esteros Critical Energy Facility**
800 THOMAS FOON CHEW WY, San Jose 95134

Chemical Location **BOILER FEED PUMPS**

CERS ID **10096750**
Facility ID **43-060-408767**
Status **Submitted** on 3/4/2019 2:30 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
	SHELL TELLAS S2 M 32	**Gallons**	**280**	**70**	280		- Physical Hazard Not Otherwise Classified - Health Hazard Not Otherwise Classified				
	CAS No	State: Liquid Storage Container: Other			Pressue	Waste Code					
	Map: 1 Grid: E4, E7, D4, D7	Type: Mixture Days on Site: 365			Temperature						

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **Los Esteros Critical Energy Facility**
Facility Name **Los Esteros Critical Energy Facility**
800 THOMAS FOON CHEW WY, San Jose 95134

Chemical Location **CEMS STORAGE - UNIT 1**

CERS ID **10096750**
Facility ID **43-060-408767**
Status **Submitted** on 3/4/2019 2:30 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Largest Cont.	Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 2.2 - Nonflammable Gases	**NITROGEN / NITRIC OXIDE CALIBRATION GAS** CAS No Map: 1 Grid: E5	**Cu. Feet**	**1587.3**	**144.3**	1587.3		- Physical Gas Under Pressure - Health Respiratory Skin Sensitization - Health Serious Eye Damage Eye Irritation - Health Specific Target Organ Toxicity				
		State: Gas	Storage Container: Cylinder		Pressue: Ambient	Waste Code					
		Type: Mixture	Days on Site: 365		Temperature: Ambient						
DOT: 2.2 - Nonflammable Gases	**NITROGEN / OXYGEN CALIBRATION GAS** CAS No Map: 1 Grid: E5	**Cu. Feet**	**865.8**	**144.3**	865.8		- Physical Gas Under Pressure - Physical Oxidizer - Health Acute Toxicity - Health Serious Eye Damage Eye Irritation - Health Simple Asphyxiant				
		State: Gas	Storage Container: Cylinder		Pressue	Waste Code					
		Type	Days on Site: 365		Temperature						
DOT: 2.2 - Nonflammable Gases	**NITROGEN/CARBON MONOXIDE CALIBRATION GAS** CAS No Map: 1 Grid: E5	**Cu. Feet**	**1298.7**	**144.3**	1298.7		- Physical Gas Under Pressure - Health Respiratory Skin Sensitization - Health Serious Eye Damage Eye Irritation - Health Simple Asphyxiant				
		State: Gas	Storage Container: Cylinder		Pressue: Ambient	Waste Code					
		Type: Mixture	Days on Site: 365		Temperature: Ambient						

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **Los Esteros Critical Energy Facility**
Facility Name **Los Esteros Critical Energy Facility**
800 THOMAS FOON CHEW WY, San Jose 95134

Chemical Location **CEMS STORAGE - UNIT 2**

CERS ID **10096750**
Facility ID **43-060-408767**
Status **Submitted** on 3/4/2019 2:30 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Largest Cont.	Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 2.2 - Nonflammable Gases	**NITROGEN / NITRIC OXIDE CALIBRATION GAS** CAS No Map: 1 Grid: E6	**Cu. Feet** State: Gas Type: Mixture	**1587.3** Storage Container: Cylinder Days on Site: 365	**144.3**	1587.3 Pressue: Ambient Temperature: Ambient	Waste Code	- Physical Gas Under Pressure - Health Respiratory Skin Sensitization - Health Serious Eye Damage Eye Irritation - Health Specific Target Organ Toxicity				
DOT: 2.2 - Nonflammable Gases	**NITROGEN / OXYGEN CALIBRATION GAS** CAS No Map: 1 Grid: E6	**Cu. Feet** State: Gas Type:	**865.8** Storage Container: Cylinder Days on Site: 365	**144.3**	865.8 Pressue: Temperature:	Waste Code	- Physical Gas Under Pressure - Physical Oxidizer - Health Respiratory Skin Sensitization - Health Serious Eye Damage Eye Irritation - Health Simple Asphyxiant				
DOT: 2.2 - Nonflammable Gases	**NITROGEN/CARBON MONOXIDE CALIBRATION GAS** CAS No Map: 1 Grid: E6	**Cu. Feet** State: Gas Type: Mixture	**1298.7** Storage Container: Cylinder Days on Site: 365	**144.3**	1298.7 Pressue: Ambient Temperature: Ambient	Waste Code	- Physical Gas Under Pressure - Health Respiratory Skin Sensitization - Health Serious Eye Damage Eye Irritation - Health Simple Asphyxiant				

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **Los Esteros Critical Energy Facility**
Facility Name **Los Esteros Critical Energy Facility**
800 THOMAS FOON CHEW WY, San Jose 95134

Chemical Location **CEMS STORAGE - UNIT 3**

CERS ID **10096750**
Facility ID **43-060-408767**
Status **Submitted** on 3/4/2019 2:30 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 2.2 - Nonflammable Gases	**NITROGEN / NITRIC OXIDE CALIBRATION GAS** CAS No Map: 1 Grid: D6	**Cu. Feet** State: Gas Type: Mixture	**1587.3** Storage Container: Cylinder Days on Site: 365	**144.3**	1587.3 Pressue: Ambient Temperature: Ambient	Waste Code	- Physical Gas Under Pressure - Health Respiratory Skin Sensitization - Health Serious Eye Damage Eye Irritation - Health Specific Target Organ Toxicity				
DOT: 2.2 - Nonflammable Gases	**NITROGEN / OXYGEN CALIBRATION GAS** CAS No Map: 1 Grid: D6	**Cu. Feet** State: Gas Type:	**865.8** Storage Container: Cylinder Days on Site: 365	**144.3**	865.8 Pressue: Temperature:	Waste Code	- Physical Gas Under Pressure - Physical Oxidizer - Health Acute Toxicity - Health Serious Eye Damage Eye Irritation - Health Simple Asphyxiant				
DOT: 2.2 - Nonflammable Gases	**NITROGEN/CARBON MONOXIDE CALIBRATION GAS** CAS No Map: 1 Grid: D6	**Cu. Feet** State: Gas Type: Mixture	**1298.7** Storage Container: Cylinder Days on Site: 365	**144.3**	1298.7 Pressue: Ambient Temperature: Ambient	Waste Code	- Physical Gas Under Pressure - Health Respiratory Skin Sensitization - Health Serious Eye Damage Eye Irritation - Health Simple Asphyxiant				

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **Los Esteros Critical Energy Facility**
Facility Name **Los Esteros Critical Energy Facility**
800 THOMAS FOON CHEW WY, San Jose 95134

Chemical Location **CEMS STORAGE - UNIT 4**

CERS ID **10096750**
Facility ID **43-060-408767**
Status **Submitted** on 3/4/2019 2:30 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 2.2 - Nonflammable Gases	**NITROGEN / NITRIC OXIDE CALIBRATION GAS** CAS No Map: 1 Grid: E6	**Cu. Feet** State: Gas Type: Mixture Storage Container: Cylinder Days on Site: 365	**1587.3**	**144.3**	1587.3 Pressue: Ambient Temperature: Ambient	Waste Code	- Physical Gas Under Pressure - Health Respiratory Skin Sensitization - Health Serious Eye Damage Eye Irritation - Health Specific Target Organ Toxicity				
DOT: 2.2 - Nonflammable Gases	**NITROGEN / OXYGEN CALIBRATION GAS** CAS No Map: 1 Grid: D5	**Cu. Feet** State: Gas Type: Storage Container: Cylinder Days on Site: 365	**865.8**	**144.3**	865.8 Pressue: Temperature:	Waste Code	- Physical Gas Under Pressure - Health Acute Toxicity - Health Serious Eye Damage Eye Irritation - Health Simple Asphyxiant				
DOT: 2.2 - Nonflammable Gases	**NITROGEN/CARBON MONOXIDE CALIBRATION GAS** CAS No Map: 1 Grid: D5	**Cu. Feet** State: Gas Type: Mixture Storage Container: Cylinder Days on Site: 365	**1298.7**	**144.3**	1298.7 Pressue: Ambient Temperature: Ambient	Waste Code	- Physical Gas Under Pressure - Health Respiratory Skin Sensitization - Health Serious Eye Damage Eye Irritation - Health Simple Asphyxiant				

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **Los Esteros Critical Energy Facility**
Facility Name **Los Esteros Critical Energy Facility**
800 THOMAS FOON CHEW WY, San Jose 95134

Chemical Location **CHILLER SKIDS**

CERS ID **10096750**
Facility ID **43-060-408767**
Status **Submitted** on 3/4/2019 2:30 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 9 - Misc. Hazardous Materials	**DUPONT HCFC-123** CAS No 306-83-2 Map: 1 Grid: F7	**Pounds** State Liquid Type Pure	**3800** Storage Container Other Days on Site: 365	**1900**	3800 Pressue Ambient Temperature Ambient	Waste Code	- Physical Hazard Not Otherwise Classified - Health Respiratory Skin Sensitization - Health Specific Target Organ Toxicity	2,2-DICHLORO-1,1,1-TRIFLUOROETHANE	100 %		306-83-2

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **Los Esteros Critical Energy Facility**
Facility Name **Los Esteros Critical Energy Facility**
800 THOMAS FOON CHEW WY, San Jose 95134

Chemical Location **CIRC WATER PUMPS**

CERS ID **10096750**
Facility ID **43-060-408767**
Status **Submitted** on 3/4/2019 2:30 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 9 - Misc. Hazardous Materials	**MOBILE ISO VG 150** CAS No Map: 1 Grid: F2	**Gallons** State: Liquid Type: Mixture	**75** Storage Container: Other Days on Site: 365	**34**	75 Pressue: Ambient Temperature: Ambient	Waste Code	- Physical Flammable - Health Acute Toxicity - Health Respiratory Skin Sensitization				
	Shell Omala S2 G 150 CAS No Map: 1 Grid: F2	**Gallons** State: Liquid Type: Mixture	**165** Storage Container: Other Days on Site: 365	**34**	165 Pressue: Ambient Temperature: Ambient	Waste Code	- Physical Hazard Not Otherwise Classified - Health Hazard Not Otherwise Classified				

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **Los Esteros Critical Energy Facility**
Facility Name **Los Esteros Critical Energy Facility**
800 THOMAS FOON CHEW WY, San Jose 95134

Chemical Location **CONTROL ROOM**

CERS ID **10096750**
Facility ID **43-060-408767**
Status **Submitted** on 3/4/2019 2:30 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 8 - Corrosives (Liquids and Solids) Corrosive	**Nonspillable Lead-Acid Battery** CAS No Map: 1 Grid: C5	**Gallons** State: Liquid Type: Mixture	**840** Storage Container: Other Days on Site: 365	**14**	840 Pressue: < Ambient Temperature: < Ambient	Waste Code	- Physical Corrosive To Metal - Health Skin Corrosion Irritation - Health Serious Eye Damage Eye Irritation	LEAD, LEAD COMPONENTS SULFURIC ACID	60 % 30 %	 ✓	7439-92-1 7664-93-9

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **Los Esteros Critical Energy Facility**
Facility Name **Los Esteros Critical Energy Facility**
800 THOMAS FOON CHEW WY, San Jose 95134

Chemical Location **COOLING TOWER GEAR BOXES**

CERS ID **10096750**
Facility ID **43-060-408767**
Status **Submitted** on 3/4/2019 2:30 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Largest Cont.	Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 3 - Flammable and Combustible Liquids	**LUBRICATING OIL** CAS No Map: 1 Grid: H1 F1, E1	**Gallons** State: Liquid Type: Mixture	**126** Storage Container: Other Days on Site: 365	**21**	126 Pressue: Ambient Temperature: Ambient	Waste Code	- Physical Flammable - Health Acute Toxicity				

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **Los Esteros Critical Energy Facility**
Facility Name **Los Esteros Critical Energy Facility**
800 THOMAS FOON CHEW WY, San Jose 95134

Chemical Location **COOLING WATER CHEMICALS**

CERS ID **10096750**
Facility ID **43-060-408767**
Status **Submitted** on 3/4/2019 2:30 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
	CHEMTREAT CL-4428 CAS No Map: 1 Grid: E1	**Gallons** State: Liquid Type: Mixture	**400** Storage Container: Aboveground Tank Days on Site: 365	**400**	400 Pressue: Ambient Temperature: Ambient	Waste Code	- Physical Hazard Not Otherwise Classified - Health Hazard Not Otherwise Classified				
DOT: 9 - Misc. Hazardous Materials	**CHEMTREAT CT-709** CAS No Map: 1 Grid: E1	**Gallons** State: Liquid Type: Mixture	**400** Storage Container: Aboveground Tank Days on Site: 365	**400**	400 Pressue: Ambient Temperature: Ambient	Waste Code	- Physical Hazard Not Otherwise Classified - Health Acute Toxicity	SODIUM HEXAMETAPHOSPHATE	40 %		10124-56-8
DOT: 8 - Corrosives (Liquids and Solids) Corrosive	**SULFURIC ACID 93%** CAS No ✔EHS 7664-93-9 Map: 1 Grid: E1	**Pounds** State: Liquid Type: Mixture	**87234** Storage Container: Aboveground Tank Days on Site: 365	**87234**	87234 Pressue: Ambient Temperature: Ambient	Waste Code	- Physical Corrosive To Metal - Health Skin Corrosion Irritation - Health Serious Eye Damage Eye Irritation				

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **Los Esteros Critical Energy Facility**
Facility Name **Los Esteros Critical Energy Facility**
800 THOMAS FOON CHEW WY, San Jose 95134

Chemical Location **COOLNIG WATER CHEMICALS**

CERS ID **10096750**
Facility ID **43-060-408767**
Status **Submitted** on 3/4/2019 2:30 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 8 - Corrosives (Liquids and Solids) Corrosive	**SODIUM HYPOCHLORITE 12.5%** CAS No Map: 1 Grid: E1	**Gallons** State Liquid Type Mixture	**6000** Storage Container Aboveground Tank Days on Site: 365	**6000**	6000 Pressue Ambient Temperature Ambient	Waste Code	- Physical Corrosive To Metal - Health Acute Toxicity - Health Skin Corrosion Irritation - Health Serious Eye Damage Eye Irritation				

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **Los Esteros Critical Energy Facility**
Facility Name **Los Esteros Critical Energy Facility**
800 THOMAS FOON CHEW WY, San Jose 95134

Chemical Location **CTG GENERATOR RESERVOIRS**

CERS ID **10096750**
Facility ID **43-060-408767**
Status **Submitted** on 3/4/2019 2:30 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 3 - Flammable and Combustible Liquids	**GST 32 GENERATOR LUBRICATING OIL** CAS No Map: 1 Grid: D7, D4, E4, E7	Gallons State: Liquid Type: Mixture	**2000** Storage Container: Other Days on Site: 365	**500**	2000 Pressue: Ambient Temperature: Ambient	Waste Code	- Physical Flammable - Health Hazard Not Otherwise Classified	DISTILLATES, HYDROTREATED HEAVY PARAFFINIC	98 %		64742-54-7

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **Los Esteros Critical Energy Facility**
Facility Name **Los Esteros Critical Energy Facility**
800 THOMAS FOON CHEW WY, San Jose 95134

Chemical Location **CTG HYDRAULIC STARTER RESERVOIRS**

CERS ID **10096750**
Facility ID **43-060-408767**
Status **Submitted** on 3/4/2019 2:30 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Largest Cont.	Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 3 - Flammable and Combustible Liquids	**LUBRICATING OIL**	**Gallons**	**160**	**40**	160		- Physical Flammable - Health Acute Toxicity				
	CAS No	State: Liquid	Storage Container: Other		Pressue: Ambient	Waste Code					
	Map: 1 Grid: D4, E4, D7, E7	Type: Mixture	Days on Site: 365		Temperature: Ambient						

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **Los Esteros Critical Energy Facility**
Facility Name **Los Esteros Critical Energy Facility**
800 THOMAS FOON CHEW WY, San Jose 95134

Chemical Location **FIRE PUMP HOUSE**

CERS ID **10096750**
Facility ID **43-060-408767**
Status **Submitted** on 3/4/2019 2:30 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 3 - Flammable and Combustible Liquids Combustible Liquid, Class III-B	**NO. 2 DIESEL FUEL** CAS No NA Map: 1 Grid: B9	**Gallons** State Liquid Type Mixture	**320** Storage Container Aboveground Tank Days on Site: 365	**320**	320 Pressue Ambient Temperature Ambient	Waste Code	- Physical Flammable - Physical Contact Water Emits Flammable Gas - Health Acute Toxicity - Health Respiratory Skin Sensitization - Health Aspiration Hazard	NAPHTHALENE #2 DIESEL FUEL			91-20-3 68476-34-6

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **Los Esteros Critical Energy Facility**
Facility Name **Los Esteros Critical Energy Facility**
800 THOMAS FOON CHEW WY, San Jose 95134

Chemical Location **FUEL GAS COMPRESSOR SKID**

CERS ID **10096750**
Facility ID **43-060-408767**
Status **Submitted** on 3/4/2019 2:30 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Largest Cont.	Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 9 - Misc. Hazardous Materials	**EXXON TK-680 CYLESSTIC** CAS No Map: 1 Grid: H4	**Gallons** State: Liquid Type: Mixture	**180** Storage Container: Other Days on Site: 365	**50**	180 Pressue: Ambient Temperature: Ambient	Waste Code	- Physical Hazard Not Otherwise Classified - Health Serious Eye Damage Eye Irritation				

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **Los Esteros Critical Energy Facility**
Facility Name **Los Esteros Critical Energy Facility**
800 THOMAS FOON CHEW WY, San Jose 95134

Chemical Location **GAS TURBINE RESERVOIR**

CERS ID **10096750**
Facility ID **43-060-408767**
Status **Submitted** on 3/4/2019 2:30 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 9 - Misc. Hazardous Materials	**ROYCO 500** CAS No Map: 1 Grid: D8, E8, D4, E4	**Gallons** State: Liquid Type: Mixture	**600** Storage Container: Other Days on Site: 365	**150**	600 Pressue: Ambient Temperature: Ambient	Waste Code	- Physical Hazard Not Otherwise Classified - Health Acute Toxicity - Health Reproductive Toxicity - Health Skin Corrosion Irritation - Health Specific Target Organ Toxicity	1-NAPHTHYLAMINE, N-PHENYL TRICRESYL PHOSPHATE .04%	2 % 2 %		90-30-2 1330-78-5

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **Los Esteros Critical Energy Facility**
Facility Name **Los Esteros Critical Energy Facility**
800 THOMAS FOON CHEW WY, San Jose 95134

Chemical Location **GENERATOR STEP UP TRANSFORMERS**

CERS ID **10096750**
Facility ID **43-060-408767**
Status **Submitted** on 3/4/2019 2:30 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
	HYVOLT II TRANSFORMER INSULATING OIL CAS No Map: 1 Grid: D8, D3, E3, E8	**Gallons** State: Liquid Type: Mixture	**25036** Storage Container: Other Days on Site: 365	**6259**	25036 Pressue: Ambient Temperature: < Ambient	Waste Code	- Physical Hazard Not Otherwise Classified - Health Skin Corrosion Irritation - Health Aspiration Hazard	SEVERLY HYDROTREATED LIGHT NAPHTHENIC DISTILLATES	100 %		64742-53-6
DOT: 2.2 - Nonflammable Gases	**Nitrogen** CAS No 7727-37-9 Map: 1 Grid: D8, D3, E3, E8	**Cu. Feet** State: Gas Type: Pure	**1200** Storage Container: Cylinder Days on Site: 365	**300**	1200 Pressue: Ambient Temperature: Ambient	Waste Code	- Physical Gas Under Pressure - Health Serious Eye Damage Eye Irritation				

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **Los Esteros Critical Energy Facility**
Facility Name **Los Esteros Critical Energy Facility**
800 THOMAS FOON CHEW WY, San Jose 95134

Chemical Location
HAZARDOUS WASTE STORAGE

CERS ID **10096750**
Facility ID **43-060-408767**
Status **Submitted** on 3/4/2019 2:30 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Largest Cont.	Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 4.1 - Flammable Solids Flammable Solid	**DEBRIS/RAGS CONTAMINATED WITH PETROLEUM/OIL** CAS No Map: 1 Grid: C8	**Pounds** State: Solid Type: Waste	**110** Storage Container: Steel Drum Days on Site: 180	**55**	110 Pressue: Ambient Temperature: Ambient	200 Waste Code: 352	- Physical Flammable - Health Hazard Not Otherwise Classified				
DOT: 3 - Flammable and Combustible Liquids Flammable Liquid, Class I-A	**USED OIL** CAS No NA Map: 1 Grid: C8	**Gallons** State: Liquid Type: Waste	**110** Storage Container: Steel Drum Days on Site: 180	**55**	55 Pressue: Ambient Temperature: Ambient	440 Waste Code: 221	- Physical Flammable - Health Acute Toxicity				
DOT: 4.1 - Flammable Solids Flammable Solid	**USED OIL FILTERS** CAS No NA Map: 1 Grid: C8	**Pounds** State: Solid Type: Waste	**110** Storage Container: Steel Drum Days on Site: 180	**55**	110 Pressue: Ambient Temperature: Ambient	220 Waste Code: 352	- Physical Flammable - Health Hazard Not Otherwise Classified				

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **Los Esteros Critical Energy Facility**
Facility Name **Los Esteros Critical Energy Facility**
800 THOMAS FOON CHEW WY, San Jose 95134

Chemical Location **OIL STORAGE SKID**

CERS ID **10096750**
Facility ID **43-060-408767**
Status **Submitted** on 3/4/2019 2:30 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 8 - Corrosives (Liquids and Solids)	**CHEMTREAT BL-1304** CAS No Map: C Grid: 8	**Gallons** State: Liquid Storage Container: Plastic/Non-metalic Drum Type: Mixture Days on Site: 365	**165**	**55**	110 Pressue: Ambient Temperature: Ambient	Waste Code	- Physical Corrosive To Metal - Health Skin Corrosion Irritation	POTASSIUM HYDROXIDE SODIUM HYDROXIDE`	30 % 40 %		1310-58-3 1310-73-2
DOT: 8 - Corrosives (Liquids and Solids) Corrosive	**CHEMTREAT BL-152** CAS No Map: 1 Grid: C8	**Gallons** State: Liquid Storage Container: Plastic/Non-metalic Drum Type: Mixture Days on Site: 365	**330**	**55**	165 Pressue: Ambient Temperature: Ambient	0 Waste Code	- Physical Corrosive To Metal - Health Acute Toxicity - Health Skin Corrosion Irritation - Health Serious Eye Damage Eye Irritation	AMMONIUM HYDROXIDE ETHANOLAMINE	30 % 10 %	✓	1336-21-6 141-43-5
DOT: 8 - Corrosives (Liquids and Solids)	**CHEMTREAT CL-2250** CAS No Map: 1 Grid: C8	**Gallons** State: Liquid Storage Container: Carboy Type: Mixture Days on Site: 365	**30**	**5**	30 Pressue: Ambient Temperature: Ambient	Waste Code	- Physical Corrosive To Metal - Health Skin Corrosion Irritation - Health Serious Eye Damage Eye Irritation	5-CHLORO-2METHYL-4-ISOTHIAZOLIN-3-ONE 2-METHYL-4-ISOTHIAZDIN-3-ONE	1 % 0 %		26172-55-4 2682-20-4
	CHEMTREAT CL-240 CAS No Map: 1 Grid: C8	**Gallons** State: Liquid Storage Container: Other Type: Mixture Days on Site: 365	**15**	**5**	15 Pressue: Ambient Temperature: Ambient	Waste Code	- Physical Hazard Not Otherwise Classified - Health Hazard Not Otherwise Classified				
DOT: 8 - Corrosives (Liquids and Solids) Corrosive	**CHEMTREAT CL-2875** CAS No Map: 1 Grid: C8	**Gallons** State: Liquid Storage Container: Carboy Type: Mixture Days on Site: 365	**110**	**55**	110 Pressue: Ambient Temperature: Ambient	Waste Code	- Physical Corrosive To Metal - Health Acute Toxicity - Health Skin Corrosion Irritation - Health Serious Eye Damage Eye Irritation				

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **Los Esteros Critical Energy Facility**
Facility Name **Los Esteros Critical Energy Facility**
800 THOMAS FOON CHEW WY, San Jose 95134

Chemical Location **OIL STORAGE SKID**

CERS ID **10096750**
Facility ID **43-060-408767**
Status **Submitted** on 3/4/2019 2:30 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities Max. Daily	Largest Cont.	Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only) Component Name	% Wt	EHS	CAS No.
DOT: 9 - Misc. Hazardous Materials	**CHEMTREAT CL-4428** CAS No Map: 1 Grid: C8	**Gallons** State: Liquid Type: Mixture	**110** Storage Container: Plastic/Non-metalic Drum Days on Site: 365	**55**	110 Pressue: Ambient Temperature: Ambient	Waste Code	- Physical Hazard Not Otherwise Classified - Health Hazard Not Otherwise Classified				
DOT: 9 - Misc. Hazardous Materials	**CHEMTREAT CT-709** CAS No Map: 1 Grid: C8	**Gallons** State: Liquid Type: Mixture	**275** Storage Container: Plastic/Non-metalic Drum Days on Site: 365	**55**	220 Pressue: Ambient Temperature: Ambient	Waste Code	- Physical Hazard Not Otherwise Classified - Health Acute Toxicity - Health Serious Eye Damage Eye Irritation	SODIUM HEXAMETAPHOSPHATE	40 %		10124-56-8
DOT: 9 - Misc. Hazardous Materials	**CONNECT 6000** CAS No NA Map: 1 Grid: C8	**Gallons** State: Liquid Type: Mixture	**110** Storage Container: Plastic/Non-metalic Drum Days on Site: 365	**55**	110 Pressue: Ambient Temperature: Ambient	Waste Code	- Physical Hazard Not Otherwise Classified - Health Hazard Not Otherwise Classified	ETHOXYLATED ALCOHOLS (C9-C11) 2-BUTOXY ETHANOL WATER	 		68439-46-3 111-76-2 7732-18-5
DOT: 9 - Misc. Hazardous Materials	**ENVIROTEMP FR3 FLUID** CAS No NA Map: 1 Grid: C8	**Gallons** State: Liquid Type: Mixture	**55** Storage Container: Steel Drum Days on Site: 365	**55**	55 Pressue: Ambient Temperature: Ambient	Waste Code	- Physical Hazard Not Otherwise Classified - Health Skin Corrosion Irritation	VEGETABLE OIL	99 %		68956-68-3
	Millsperse™ MS7200 CORROSION INHIBITOR CAS No Map: 1 Grid: C8	**Gallons** State: Liquid Type: Mixture	**300** Storage Container: Tote Bin Days on Site: 365	**300**	300 Pressue: Ambient Temperature: Ambient	Waste Code	- Physical Hazard Not Otherwise Classified - Health Serious Eye Damage Eye Irritation - Health Specific Target Organ Toxicity				
DOT: 3 - Flammable and Combustible Liquids Flammable Liquid, Class I-A	**MISCELLANEOUS FLAMMABLES** CAS No Map: 1 Grid: C8	**Gallons** State: Liquid Type: Mixture	**175** Storage Container: Other Days on Site: 365	**5**	125 Pressue: Ambient Temperature: Ambient	Waste Code	- Physical Flammable - Physical Gas Under Pressure - Health Acute Toxicity				
	MISCELLANEOUS LUBE OILS CAS No Map: 1 Grid: C8	**Gallons** State: Liquid Type: Mixture	**75** Storage Container: Other Days on Site: 365	**5**	60 Pressue: Ambient Temperature: Ambient	Waste Code	- Physical Hazard Not Otherwise Classified - Health Hazard Not Otherwise Classified				

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **Los Esteros Critical Energy Facility**
Facility Name **Los Esteros Critical Energy Facility**
800 THOMAS FOON CHEW WY, San Jose 95134

Chemical Location **OIL STORAGE SKID**

CERS ID **10096750**
Facility ID **43-060-408767**
Status **Submitted** on 3/4/2019 2:30 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 8 - Corrosives (Liquids and Solids) Corrosive	**ND-165** CAS No Map: 1 Grid: C8	**Gallons** State: Liquid Type: Mixture	**110** Storage Container: Plastic/Non-metalic Drum Days on Site: 365	**55**	110 Pressue: Ambient Temperature: Ambient	Waste Code	- Physical Corrosive To Metal - Health Skin Corrosion Irritation - Health Serious Eye Damage Eye Irritation - Health Specific Target Organ Toxicity				
	Performax DC5202 CAS No Map: 1 Grid: C8	**Gallons** State: Liquid Type: Mixture	**300** Storage Container: Tote Bin Days on Site: 365	**300**	300 Pressue: Temperature: Ambient	Waste Code	- Physical Hazard Not Otherwise Classified - Health Hazard Not Otherwise Classified				
	SHELL MORLINA S3 BA 100 CAS No Map: 1 Grid: C8	**Gallons** State: Liquid Type: Mixture	**110** Storage Container: Steel Drum Days on Site: 365	**55**	110 Pressue: Ambient Temperature: Ambient	Waste Code	- Physical Hazard Not Otherwise Classified - Health Hazard Not Otherwise Classified				
	SHELL TELLUS S2 MX46 CAS No Map: 1 Grid: C8	**Gallons** State: Liquid Type: Mixture	**110** Storage Container: Steel Drum Days on Site: 365	**55**	110 Pressue: Ambient Temperature: Ambient	Waste Code	- Physical Hazard Not Otherwise Classified - Health Serious Eye Damage Eye Irritation				
	SHELL TURBO J 32 CAS No Map: 1 Grid: C8	**Gallons** State: Liquid Type: Mixture	**110** Storage Container: Steel Drum Days on Site: 365	**55**	110 Pressue: Ambient Temperature: Ambient	Waste Code	- Physical Hazard Not Otherwise Classified - Health Hazard Not Otherwise Classified				
DOT: 9 - Misc. Hazardous Materials	**SHELL TURBO T 32** CAS No Map: 1 Grid: H3	**Gallons** State: Liquid Type: Mixture	**110** Storage Container: Steel Drum Days on Site: 365	**55**	110 Pressue: Ambient Temperature: Ambient	Waste Code	- Physical Hazard Not Otherwise Classified - Health Skin Corrosion Irritation				

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **Los Esteros Critical Energy Facility**
Facility Name **Los Esteros Critical Energy Facility**
800 THOMAS FOON CHEW WY, San Jose 95134

Chemical Location **OIL STORAGE SKID**

CERS ID **10096750**
Facility ID **43-060-408767**
Status **Submitted** on 3/4/2019 2:30 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 3 - Flammable and Combustible Liquids	**TURBINE OIL 500** CAS No Map: 1 Grid: C8	**Gallons** State: Liquid Type: Mixture	**110** Storage Container: Steel Drum Days on Site: 365	**55**	110 Pressue: Ambient Temperature: Ambient	Waste Code	- Physical Flammable - Physical Hazard Not Otherwise Classified - Health Reproductive Toxicity - Health Respiratory Skin Sensitization - Health Specific Target Organ Toxicity				
DOT: 3 - Flammable and Combustible Liquids	**TURBINE OIL TURBO 68** CAS No NA Map: 1 Grid: C8	**Gallons** State: Liquid Type: Mixture	**110** Storage Container: Steel Drum Days on Site: 365	**55**	110 Pressue: Ambient Temperature: Ambient	Waste Code	- Physical Flammable - Health Hazard Not Otherwise Classified	PETROLEUM HYDROTREATED PARAFINIC	98 %		64742-54-7

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **Los Esteros Critical Energy Facility**
Facility Name **Los Esteros Critical Energy Facility**
800 THOMAS FOON CHEW WY, San Jose 95134

Chemical Location **PDC # 1**

CERS ID **10096750**
Facility ID **43-060-408767**
Status **Submitted** on 3/4/2019 2:30 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 8 - Corrosives (Liquids and Solids) Corrosive	**LEAD-ACID BATTERY** CAS No Map: 1 Grid: E3	**Gallons** State: Liquid Type: Mixture	**94.62** Storage Container: Other Days on Site: 365	**1.66**	94.62 Pressue: < Ambient Temperature: < Ambient	Waste Code	- Physical Flammable - Physical Explosive - Physical Corrosive To Metal - Health Carcinogenicity - Health Acute Toxicity - Health Reproductive Toxicity - Health Skin Corrosion Irritation - Health Serious Eye Damage Eye Irritation - Health Specific Target Organ Toxicity	Lead/Lead Oxide (Litharge)/Lead Sulfate Sulfuric Acid (Battery Electrolyte)	70 % 15 %	 ✓	7439-92-1 7664-93-9
DOT: 8 - Corrosives (Liquids and Solids) Corrosive	**Nonspillable Lead-Acid Battery** CAS No Map: 1 Grid: E3	**Gallons** State: Liquid Type: Mixture	**840** Storage Container: Other Days on Site: 365	**14**	840 Pressue: < Ambient Temperature: < Ambient	Waste Code	- Physical Corrosive To Metal - Health Skin Corrosion Irritation - Health Serious Eye Damage Eye Irritation	LEAD, LEAD COMPONENTS SULFURIC ACID	60 % 30 %	 ✓	7439-92-1 7664-93-9

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **Los Esteros Critical Energy Facility**
Facility Name **Los Esteros Critical Energy Facility**
800 THOMAS FOON CHEW WY, San Jose 95134

Chemical Location **PDC # 10**

CERS ID **10096750**
Facility ID **43-060-408767**
Status **Submitted** on 3/4/2019 2:30 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 8 - Corrosives (Liquids and Solids) Corrosive	**Nonspillable Lead-Acid Battery** CAS No Map: 1 Grid: F8	**Gallons** State: Liquid Type: Mixture	**280** Storage Container: Other Days on Site: 365	**14**	280 Pressue: < Ambient Temperature: < Ambient	Waste Code	- Physical Corrosive To Metal - Health Skin Corrosion Irritation - Health Serious Eye Damage Eye Irritation	LEAD, LEAD COMPONENTS SULFURIC ACID	60 % 30 %	 ✓	7439-92-1 7664-93-9

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **Los Esteros Critical Energy Facility**
Facility Name **Los Esteros Critical Energy Facility**
800 THOMAS FOON CHEW WY, San Jose 95134

Chemical Location **PDC # 12**

CERS ID **10096750**
Facility ID **43-060-408767**
Status **Submitted** on 3/4/2019 2:30 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 8 - Corrosives (Liquids and Solids) Corrosive	**LEAD-ACID BATTERY** CAS No Map: 1 Grid: C3	**Gallons** State: Liquid Type: Mixture	**33.2** Storage Container: Other Days on Site: 365	**1.66**	33.2 Pressue: < Ambient Temperature: < Ambient	Waste Code	- Physical Flammable - Physical Explosive - Physical Corrosive To Metal - Health Carcinogenicity - Health Acute Toxicity - Health Skin Corrosion Irritation - Health Serious Eye Damage Eye Irritation - Health Specific Target Organ Toxicity	Lead/Lead Oxide (Litharge)/Lead Sulfate Sulfuric Acid (Battery Electrolyte)	70 % 15 %	 ✓	7439-92-1 7664-93-9
DOT: 8 - Corrosives (Liquids and Solids)	**Nonspillable Lead-Acid Battery** CAS No Map: 1 Grid: C3	**Gallons** State: Liquid Type: Mixture	**840** Storage Container: Other Days on Site: 365	**14**	840 Pressue: < Ambient Temperature: < Ambient	Waste Code	- Physical Corrosive To Metal - Health Skin Corrosion Irritation - Health Serious Eye Damage Eye Irritation	LEAD, LEAD COMPONENTS SULFURIC ACID	60 % 30 %	 ✓	7439-92-1 7664-93-9

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **Los Esteros Critical Energy Facility**
Facility Name **Los Esteros Critical Energy Facility**
800 THOMAS FOON CHEW WY, San Jose 95134

Chemical Location **PDC # 2**

CERS ID **10096750**
Facility ID **43-060-408767**
Status **Submitted** on 3/4/2019 2:30 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 8 - Corrosives (Liquids and Solids) Corrosive	**Nonspillable Lead-Acid Battery** CAS No Map: 1 Grid: E8	**Gallons** State: Liquid Type: Mixture	**840** Storage Container: Other Days on Site: 365	**14**	840 Pressue: < Ambient Temperature: < Ambient	Waste Code	- Physical Corrosive To Metal - Health Skin Corrosion Irritation - Health Serious Eye Damage Eye Irritation	LEAD, LEAD COMPONENTS SULFURIC ACID	60 % 30 %	 ✓	7439-92-1 7664-93-9

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **Los Esteros Critical Energy Facility**
Facility Name **Los Esteros Critical Energy Facility**
800 THOMAS FOON CHEW WY, San Jose 95134

Chemical Location **PDC # 3**

CERS ID **10096750**
Facility ID **43-060-408767**
Status **Submitted** on 3/4/2019 2:30 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 8 - Corrosives (Liquids and Solids) Corrosive	**LEAD-ACID BATTERY** CAS No Map: 1 Grid: D8	**Gallons** State: Liquid Type: Mixture	**63.1** Storage Container: Other Days on Site: 365	**1.66**	63.1 Pressue: < Ambient Temperature: < Ambient	Waste Code	- Physical Flammable - Physical Explosive - Health Carcinogenicity - Health Acute Toxicity - Health Skin Corrosion Irritation - Health Serious Eye Damage Eye Irritation - Health Specific Target Organ Toxicity	Lead/Lead Oxide (Litharge)/Lead Sulfate Sulfuric Acid (Battery Electrolyte)	70 % 15 %	 ✓	7439-92-1 7664-93-9
DOT: 8 - Corrosives (Liquids and Solids) Corrosive	**Nonspillable Lead-Acid Battery** CAS No Map: 1 Grid: D8	**Gallons** State: Liquid Type: Mixture	**840** Storage Container: Other Days on Site: 365	**14**	840 Pressue: < Ambient Temperature: < Ambient	Waste Code	- Physical Corrosive To Metal - Health Skin Corrosion Irritation - Health Serious Eye Damage Eye Irritation	LEAD, LEAD COMPONENTS SULFURIC ACID	60 % 30 %	 ✓	7439-92-1 7664-93-9

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **Los Esteros Critical Energy Facility**
Facility Name **Los Esteros Critical Energy Facility**
800 THOMAS FOON CHEW WY, San Jose 95134

Chemical Location **PDC # 4**

CERS ID **10096750**
Facility ID **43-060-408767**
Status **Submitted** on 3/4/2019 2:30 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 8 - Corrosives (Liquids and Solids) Corrosive	**LEAD-ACID BATTERY** CAS No Map: 1 Grid: D3	**Gallons** State: Liquid Type: Mixture	**33.2** Storage Container: Other Days on Site: 365	**1.66**	33.2 Pressue: < Ambient Temperature: < Ambient	Waste Code	- Physical Flammable - Physical Explosive - Physical Corrosive To Metal - Health Carcinogenicity - Health Acute Toxicity - Health Skin Corrosion Irritation - Health Serious Eye Damage Eye Irritation - Health Specific Target Organ Toxicity	Lead/Lead Oxide (Litharge)/Lead Sulfate Sulfuric Acid (Battery Electrolyte)	70 % 15 %	 ✓	7439-92-1 7664-93-9
DOT: 8 - Corrosives (Liquids and Solids) Corrosive	**NI-CD BLOCK BATTERY** CAS No Map: 1 Grid: D3	**Gallons** State: Liquid Type: Mixture	**148.2** Storage Container: Other Days on Site: 365	**3.9**	148.2 Pressue: < Ambient Temperature: < Ambient	Waste Code	- Physical Flammable - Physical Explosive - Physical Corrosive To Metal - Health Acute Toxicity - Health Reproductive Toxicity - Health Skin Corrosion Irritation - Health Serious Eye Damage Eye Irritation - Health Specific Target Organ Toxicity	ACTIVE NICKLE ACTIVE CADMIUM ALKALINE ELECTROLYTE NICKLE COPPER	15 % 12 % 40 % 20 % 10 %		12054-48-7 21041-95-2 7440-02-0 7440-50-8

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **Los Esteros Critical Energy Facility**
Facility Name **Los Esteros Critical Energy Facility**
800 THOMAS FOON CHEW WY, San Jose 95134

Chemical Location **PDC # 4**

CERS ID **10096750**
Facility ID **43-060-408767**
Status **Submitted** on 3/4/2019 2:30 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 8 - Corrosives (Liquids and Solids) Corrosive	**Nonspillable Lead-Acid Battery** CAS No Map: 1 Grid: D3	**Gallons** State: Liquid Type: Mixture	**840** Storage Container: Other Days on Site: 365	**14**	840 Pressue: < Ambient Temperature: < Ambient	Waste Code	- Physical Corrosive To Metal - Health Skin Corrosion Irritation - Health Serious Eye Damage Eye Irritation	LEAD, LEAD COMPONENTS SULFURIC ACID	60 % 30 %	 ✓	7439-92-1 7664-93-9

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **Los Esteros Critical Energy Facility**
Facility Name **Los Esteros Critical Energy Facility**
800 THOMAS FOON CHEW WY, San Jose 95134

Chemical Location **PDC # 5**

CERS ID **10096750**
Facility ID **43-060-408767**
Status **Submitted** on 3/4/2019 2:30 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 8 - Corrosives (Liquids and Solids) Corrosive	**Nonspillable Lead-Acid Battery** CAS No Map: 1 Grid: F2	**Gallons** State: Liquid Type: Mixture	**1680** Storage Container: Other Days on Site: 365	**14**	1680 Pressue: < Ambient Temperature: < Ambient	Waste Code	- Physical Corrosive To Metal - Health Skin Corrosion Irritation - Health Serious Eye Damage Eye Irritation	LEAD, LEAD COMPONENTS SULFURIC ACID	60 % 30 %	 ✓	7439-92-1 7664-93-9

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **Los Esteros Critical Energy Facility**
Facility Name **Los Esteros Critical Energy Facility**
800 THOMAS FOON CHEW WY, San Jose 95134

Chemical Location **PDC # 7**

CERS ID **10096750**
Facility ID **43-060-408767**
Status **Submitted** on 3/4/2019 2:30 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 8 - Corrosives (Liquids and Solids) Corrosive	**Nonspillable Lead-Acid Battery** CAS No Map: 1 Grid: E7	**Gallons** State: Liquid Type: Mixture	**140** Storage Container: Other Days on Site: 365	**14**	140 Pressue: < Ambient Temperature: < Ambient	Waste Code	- Physical Corrosive To Metal - Health Skin Corrosion Irritation - Health Serious Eye Damage Eye Irritation	LEAD, LEAD COMPONENTS SULFURIC ACID	60 % 30 %	 ✓	7439-92-1 7664-93-9

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **Los Esteros Critical Energy Facility**
Facility Name **Los Esteros Critical Energy Facility**
800 THOMAS FOON CHEW WY, San Jose 95134

Chemical Location **RO WATER TREATMENT SKIDS**

CERS ID **10096750**
Facility ID **43-060-408767**
Status **Submitted** on 3/4/2019 2:30 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 9 - Misc. Hazardous Materials	**Hypersperse MDC 150** CAS No Map: 1 Grid: B3	**Gallons** State: Liquid Type: Mixture	**110** Storage Container: Plastic/Non-metalic Drum Days on Site: 365	**55**	110 Pressue: Ambient Temperature: Ambient	Waste Code	- Physical Hazard Not Otherwise Classified - Health Hazard Not Otherwise Classified				
DOT: 8 - Corrosives (Liquids and Solids) Corrosive	**SODIUM BISULFITE SOLUTION 25%** CAS No Map: 1 Grid: B3	**Gallons** State: Liquid Type: Mixture	**110** Storage Container: Plastic/Non-metalic Drum Days on Site: 365	**55**	110 Pressue: Ambient Temperature: Ambient	Waste Code	- Physical Corrosive To Metal - Health Acute Toxicity - Health Skin Corrosion Irritation - Health Respiratory Skin Sensitization - Health Serious Eye Damage Eye Irritation				
DOT: 8 - Corrosives (Liquids and Solids) Corrosive	**SODIUM HYDROXIDE 25% SOLUTION** CAS No Map: 1 Grid: B3	**Gallons** State: Liquid Type: Mixture	**110** Storage Container: Plastic/Non-metalic Drum Days on Site: 365	**55**	110 Pressue: Ambient Temperature: Ambient	Waste Code	- Physical Corrosive To Metal - Health Acute Toxicity - Health Skin Corrosion Irritation - Health Respiratory Skin Sensitization - Health Serious Eye Damage Eye Irritation				

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **Los Esteros Critical Energy Facility**
Facility Name **Los Esteros Critical Energy Facility**
800 THOMAS FOON CHEW WY, San Jose 95134

Chemical Location **SECONDARY UNIT SUBSTATION**

CERS ID **10096750**
Facility ID **43-060-408767**
Status **Submitted** on 3/4/2019 2:30 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Largest Cont.	Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 3 - Flammable and Combustible Liquids	**LUBRICATING OIL** CAS No Map: 1 Grid: F4	**Gallons** State: Liquid Type: Mixture	**636** Storage Container: Other Days on Site: 365	**636**	636 Pressue: Ambient Temperature: Ambient	Waste Code	- Physical Flammable - Health Acute Toxicity				

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **Los Esteros Critical Energy Facility**
Facility Name **Los Esteros Critical Energy Facility**
800 THOMAS FOON CHEW WY, San Jose 95134

Chemical Location **SHOP AREA**

CERS ID **10096750**
Facility ID **43-060-408767**
Status **Submitted** on 3/4/2019 2:30 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 2.1 - Flammable Gases Unstable (Reactive), Class 2, Flammable Gas	**ACETYLENE** CAS No 74-86-2 Map: 1 Grid: C7	**Cu. Feet** State: Gas Type: Pure	**424** Storage Container: Cylinder Days on Site: 365	**139**	424 Pressue: Ambient Temperature: Ambient	0 Waste Code	- Physical Flammable - Physical Gas Under Pressure - Health Aspiration Hazard				
DOT: 2.2 - Nonflammable Gases	**ARGON, COMPRESSED** CAS No 7440-37-1 Map: 1 Grid: C7	**Cu. Feet** State: Gas Type: Pure	**461** Storage Container: Cylinder Days on Site: 365	**250**	461 Pressue: Ambient Temperature: Ambient	Waste Code	- Physical Gas Under Pressure - Health Aspiration Hazard				
DOT: 3 - Flammable and Combustible Liquids	**MISCELLANEOUS FLAMMABLES** CAS No Map: 1 Grid: C7	**Gallons** State: Liquid Type: Mixture	**55** Storage Container: Can Days on Site: 365	**1**	55 Pressue: Ambient Temperature: Ambient	Waste Code	- Physical Flammable - Health Acute Toxicity - Health Serious Eye Damage Eye Irritation				
DOT: 2.2 - Nonflammable Gases	**Nitrogen** CAS No 7727-37-9 Map: 1 Grid: C7	**Cu. Feet** State: Gas Type: Pure	**272** Storage Container: Cylinder Days on Site: 365	**116**	272 Pressue: Ambient Temperature: Ambient	Waste Code	- Physical Gas Under Pressure - Health Serious Eye Damage Eye Irritation				
DOT: 2.2 - Nonflammable Gases Oxidizing, Class 2	**OXYGEN** CAS No 7782-44-7 Map: 1 Grid: C7	**Cu. Feet** State: Gas Type: Pure	**710** Storage Container: Cylinder	**337**	710 Pressue: Ambient Temperature: Ambient	Waste Code	- Physical Gas Under Pressure - Physical Oxidizer - Health Hazard Not Otherwise Classified				

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **Los Esteros Critical Energy Facility**
Facility Name **Los Esteros Critical Energy Facility**
800 THOMAS FOON CHEW WY, San Jose 95134

Chemical Location **SITE PDC / MCC ROOMS**

CERS ID **10096750**
Facility ID **43-060-408767**
Status **Submitted** on 3/4/2019 2:30 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 2.2 - Nonflammable Gases	**DUPONT HCFC-227** CAS No 431-89-0 Map: E8,D3,F8 Grid: E3,E7,C3,C5	**Pounds** State Gas Type Pure	**2910** Storage Container Other Days on Site: 365	**468**	2910 Pressue < Ambient Temperature Ambient	Waste Code	- Physical Gas Under Pressure - Health Respiratory Skin Sensitization	HEPTAFLUOROPROPANE	100 %		431-89-0

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **Los Esteros Critical Energy Facility**
Facility Name **Los Esteros Critical Energy Facility**
800 THOMAS FOON CHEW WY, San Jose 95134

Chemical Location **STEAM TURBINE LUBE OIL RESERVOIR**

CERS ID **10096750**
Facility ID **43-060-408767**
Status **Submitted** on 3/4/2019 2:30 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 9 - Misc. Hazardous Materials	**SHELL TURBO J 32** CAS No Map: 1 Grid: H3	**Gallons** State: Liquid Type: Mixture	**10058** Storage Container: Other Days on Site: 365	**10058**	10058 Pressue: Ambient Temperature: Ambient	Waste Code	- Physical Hazard Not Otherwise Classified - Health Hazard Not Otherwise Classified				

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **Los Esteros Critical Energy Facility**
Facility Name **Los Esteros Critical Energy Facility**
800 THOMAS FOON CHEW WY, San Jose 95134

Chemical Location **STG GSU TRANSFORMER**

CERS ID **10096750**
Facility ID **43-060-408767**
Status **Submitted** on 3/4/2019 2:30 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Largest Cont.	Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
	TRANSFORMER OIL	**Gallons**	**9010**	**9010**	9010		- Physical Hazard Not Otherwise Classified - Health Aspiration Hazard				
	CAS No	State: Liquid Storage Container: Other			Pressue	Waste Code					
	Map: 1 Grid: F2	Type: Mixture Days on Site: 365			Temperature						

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **Los Esteros Critical Energy Facility**
Facility Name **Los Esteros Critical Energy Facility**
800 THOMAS FOON CHEW WY, San Jose 95134

Chemical Location **SWITCH YARD CONTROL HOUSE**

CERS ID **10096750**
Facility ID **43-060-408767**
Status **Submitted** on 3/4/2019 2:30 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 8 - Corrosives (Liquids and Solids) Corrosive	**Nonspillable Lead-Acid Battery** CAS No Map: 1 Grid: B1	**Gallons** State: Liquid Type: Mixture	**840** Storage Container: Other Days on Site: 365	**14**	840 Pressue: < Ambient Temperature: < Ambient	Waste Code	- Physical Corrosive To Metal - Health Skin Corrosion Irritation - Health Serious Eye Damage Eye Irritation	LEAD, LEAD COMPONENTS SULFURIC ACID	60 % 30 %	 ✓	7439-92-1 7664-93-9

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **Los Esteros Critical Energy Facility**
Facility Name **Los Esteros Critical Energy Facility**
800 THOMAS FOON CHEW WY, San Jose 95134

Chemical Location **TURBINE PACKAGES**

CERS ID **10096750**
Facility ID **43-060-408767**
Status **Submitted** on 3/4/2019 2:30 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 2.2 - Nonflammable Gases	**CARBON DIOXIDE** CAS No 124-38-9 Map: 1 Grid: D7, D4, E4, E7	**Pounds** State Gas Type Pure	**4800** Storage Container Cylinder Days on Site: 365	**100**	4800 Pressue < Ambient Temperature Ambient	Waste Code	- Physical Gas Under Pressure - Health Respiratory Skin Sensitization - Health Simple Asphyxiant				

APPENDIX 5

LOS ESTEROS CRITICAL ENERGY FACILITY
2018 - 2019 ANNUAL COMPLIANCE REPORT
SOIL & WATER-6

In accordance with **Soil & Water-6,** the project owner shall prepare an annual summary, which will include the monthly range and monthly average of daily usage in gallons per day, and total water used by the project on a monthly and annual basis in acre-feet. For subsequent years, the annual summary will also include the yearly average water use by the project. The monthly values were calculated from the readings taken by the City of San Jose for the facility's bi-monthly water usage bill, plus the portable water delivered over the past year.

Date	Monthly Total (gal)	Monthly Average (gal/day)	Monthly Total (acre-feet)
Aug-18	91,572,905	2,953,965	281.0
Sep-18	5,875,320	195,844	18.0
Oct-18	13,330,399	430,013	40.9
Nov-18	12,179,461	405,982	37.4
Dec-18	8,571,883	276,512	26.3
Jan-19	29,160,084	940,648	89.5
Feb-19	14,043,315	501,547	43.1
Mar-19	2,525,214	81,459	7.7
Apr-19	39,347	1,312	0.1
May-19	146,042	4,711	0.4
Jun-19	2,235,621	74,521	6.9
Jul-19	7,936,832	256,027	24.4

Yearly Range	Yearly Totals (gal)	Yearly Totals (acre-feet)
2018-2019	187,616,421	575.8

Yearly Average	15,634,702	48.0

APPENDIX 6

LOS ESTEROS CRITICAL ENERGY FACILITY

PHASE II

2018 - 2019 ANNUAL COMPLIANCE REPORT

WASTE-2

In accordance with **Waste-2**, the Los Esteros Critical Energy Facility is required to document actual waste management methods used during the year compared to planned management methods. The facility is currently using the planned waste management methods for all of the waste streams generated within the facility, as listed in the table below.

Waste Stream	Type	Planned	Actual
Non-hazardous Solid Waste	Recyclables	Recycle (Off-site)	Recycle (Off-site)
	Non-Recyclables	Landfill	Landfill
Non-hazardous Liquid Waste	Sanitary Waste	Sewage Treatment Plant	Sewage Treatment Plant
	Process Waste Water	Sewage Treatment Plant	Sewage Treatment Plant
	Storm Water	Cooling Tower	Cooling Tower
Hazardous Liquid Waste	Used Oil	Recycle (Off-site)	Recycle (Off-site)
	Misc. Waste (i.e. solvents & paints)	Off-site disposal company	Off-site disposal company
Hazardous Solid Waste	Used Oil Filters	Recycle (Off-site)	Recycle (Off-site)
	Oily Rags	Off-site disposal company	Off-site disposal company
	Universal Waste	Recycle (Off-site)	Recycle (Off-site)

APPENDIX 7

LOS ESTEROS CRITICAL ENERGY FACILITY

2018 - 2019 ANNUAL COMPLIANCE REPORT

PHASE II

VIS-2, VIS-3, VIS-6

VIS-2

a. The condition of the surfaces of all buildings, structures and perimeter walls remain in good condition.

b. No major treatment maintenance activities occurred during the reporting year.

c. No major treatment maintenance activities of existing equipment or structures are scheduled to occur during the upcoming reporting year.

VIS-3

- There has been no major maintenance activities performed on the landscaping or the irrigation system during the reporting year.
    - On March 20, 2017 the facility notified the CEC that there was an incident where six (6) of the trees on the landscape berm had been cut down. The site is in the process of finding replacements for those trees.
        - On April 26, 2018 the CEC approved the relocation of the trees to ensure that they will not interfere with the transmission lines.
        - All six of the trees were replaced in November 2018.

VIS-6

- The cooling towers were consistently operated within the design parameters, except as necessary to prevent damage to the cooling tower, during the operation of the facility of the reporting year.