DOCKETED	
Docket Number:	99-AFC-04C
Project Title:	Duke Energy North American's Moss Landing Power Plant Modernization Project (Compliance)
TN #:	258688
Document Title:	Moss Landing Power Plant 2022 Annual Compliance Report
Description:	Moss Landing Power Plant 2022 Annual Compliance Report
Filer:	Ashley Gutierrez
Organization:	California Energy Commission
Submitter Role:	Commission Staff
Submission Date:	8/26/2024 3:02:52 PM
Docketed Date:	8/26/2024

MOSS LANDING POWER COMPANY LLC
Moss Landing Power Plant
PO BOX 690
Moss Landing, CA 95039
831-633-6700

July 28, 2023

Ms. Ashley Gutierrez
Compliance Project Manager
California Energy Commission
715 P Street, MS-2000
Sacramento, CA 95814

RE: Moss Landing Power Company LLC Annual Compliance Report, Project 99-AFC-4

Dear Ms. Gutierrez:

Attached is the Moss Landing Power Company LLC's Annual Compliance Report, which covers the reporting period July 1, 2022 – June 30, 2023.

Should you have any questions concerning this submission, please contact Vince Dodge at vincent.dodge@vistracorp.com or Spencer Vartanian at spencer.vartanian@vistracorp.com.

Sincerely,

Mike Batte
Plant Manager
Moss Landing Power Plant

File: 413.20.02

Electronic File: C:\Users\svr5\Box\G Drive\EH&S Compliance\DUKE-PGE\REG\Vartanian\CEC\Reports\Annual\2023\Files for Electronic Submission to CEC

MOSS LANDING POWER PLANT PROJECT 99-AFC-4

Annual Compliance Report

Reporting Period: July 1, 2022 – June 30, 2023

1. CURRENT PROJECT STATUS

The Moss Landing Power Plant's Units 1 and 2 have been in commercial operation since 2002. The Units have been selling into the daily energy market, and they remain available. They are operating year around at various loads. There was one equipment modification (see item 3, last paragraph, page 3).

The California Energy Commission (CEC) has approved eleven post-certification changes since its Decision, dated October 25, 2000.

An updated compliance matrix, which shows the status of all conditions of certification, is attached as Exhibit 1. Open conditions are highlighted in blue.

In August 2007, the CEC Order No. 07-801-4 approved a petition to connect a small pilot desalination facility to the Dynegy Moss Landing Power Plant Discharge lines of Units 1 and 2 by California American Water (CAW). This pilot desalination testing project by CAW has been completed and all equipment and connections were removed in 2010.

Applicants Petition requesting a package boiler replacement with auxiliary steam option from Units 1 & 2 filed July 8, 2010 and Approved by the CEC September 30, 2010. Project was completed in December 2010.

Applicants Petition requesting installation of and operation of variable speed drive (VSD) controls on four of the six existing 4,160 Volt AC motors for the six circulating water pumps (CWP) serving Units 1 and 2 filed on July 25, 2016 and approved by the CEC September 19, 2016. The project was completed in December 2016.

On December 14, 2020, the project owner docketed a letter informing the CEC that the owner had effectuated an administrative name change (TN #2359320) from Dynegy Moss Landing, LLC to Moss Landing Power Company, LLC.

2. REQUIRED DOCUMENTS SUBMITTED WITH THIS REPORT

HAZ - 1: List of hazardous materials and quantities contained at site as specified in Title 40, CFR Part 355, Subpart J, section 355.50. On April 9, 2014, Dynegy Moss Landing, LLC added CEC staff members Bruce Boyer, Brett Fooks and Geoff Lesh as viewer to the California Environmental Reporting System (CERS) web site (http://cers.calepa.ca.gov/) to be able to view the Moss Landing Power Plant Business Plan information, including the Hazardous Material Inventory. Mary Dyas, Compliance Project Manager, was added to the CERS database as a viewer on July 25, 2016. This information is updated annually and when changes occur.

S & W - 2: A copy of the NPDES No. CA006254, Order R3-2020-0031, annual monitoring report submitted to the Central Coast Regional Water Quality Control Board is attached as Exhibit 3.

S & W - 3: Dynegy Moss Landing, LLC clean closed the Surface Impoundments and Filter Press in 2018 and received a Closure Certification Acknowledgement letter from the Department of Toxic Substances Control (DTSC) dated April 24, 2019 (attached in Exhibit 4 of the 2018-2019 Annual Compliance Report). The Permit with the Central Coast Regional Water Quality Control Board (CCRWQCB) for the Class 1 Surface Impoundments, WDR Order No.R3-2014-0029, expired on July 31, 2019 and was not renewed. A final copy of the Annual Groundwater Monitoring Report for the Class 1 Surface Impoundments was attached to the 2018-2019 Annual Compliance Report.

WASTE – 2: A comparison of actual waste management methods used during the year to planned management methods is attached as Exhibit 5.

WASTE – 4: No silt or dredge material was removed during the period covered by this report, therefore no silt or dredge material documentation will be included in this report.

VIS – 1: Status report regarding treatment maintenance is attached as Exhibit 6.

AQ – 48 & 49 Spreadsheet showing total number of hours during which each gas turbine, for Units 1&2, operated to support a steam turbine cold startup or combustor tuning for the period of July 1, 2022 - June 30, 2023, is attached as Exhibit 7. See Exhibit 8 for the revised Permits to Operate for the four gas turbines.

3. LISTING OF ALL CEC-APPROVED POST-CERTIFICATION CHANGES (ORDER NO. 00-1025-24, DOCKET NO. 99-AFC-4, ADOPTED OCTOBER 25, 2000)

Notice of Insignificant Change for Duke Energy North America's Moss Landing Power Plant Modernization Project: Additional Lay-Down Area and Rerouting of the Cooling Water System. (Approved by the CEC, November 2, 2000).

Integration of New or Re-Powered Generating Units with Cal-ISO; Additional Language for Condition of Certification Transmission System Engineering – 4. (Approved by the CEC, August 9, 2001).

Approval of Insignificant Project Change for Additional Laydown Area at National Refractories. (Approved by the CEC, March 12, 2001).

Commission Order Approving Condition Amendment to Condition of Certification LAND-1 (Order No. 02-1106-01[a]) (Approved by the CEC, November 6, 2002).

Applicant's Petition to Amend Various Air Quality Conditions (Clarification of the Gas Turbine Shutdown Emission Limits), filed November 12, 2002 and approved by the CEC, April 16, 2003.

Applicant's Petition to Amend Various Air Quality Conditions (For Tuning Following Periodic Maintenance Replacement of Gas Turbine Combustors and cold Steam Turbine start-up), filed May 27, 2003 and Approved by the CEC, January 9, 2004.

Applicant's Petition to amend the verification section of condition of certification Land - 1 to allow an additional 6 - months to complete the installation of the required Boardwalk, filed January 29, 2004.

Applicant's Petition for California American Water to connect a small pilot desalination facility to the Dynegy Moss Landing Power Plant Discharge lines of Units 1 and 2, filed April 19, 2007, and Approved by the CEC, August 7, 2007.

Condition of Certification LAND-2: Disposition of $250,000 Endowment Fund and Energy Commission Staff Approval of a Change to the Verification for LAND-2, December 18, 2007.

Applicants Petition requesting a package boiler replacement with auxiliary steam option from Units 1 & 2 filed July 8, 2010 and Approved by the CEC September 30, 2010.

Moss Landing Power Plant - Petition to Install Variable Speed Drive Controls on Four of Six Units 1 & 2 Circulating Water Pumps. On September 19, 2016, the Energy Commission staff determined that the proposed modification would have no significant adverse impacts.

4. FILINGS WITH OR PERMITS BY OTHER GOVERNMENTAL AGENCIES

Permits: State of California, Department of Transportation, Encroachment Permit No. 0502 6LC 0498, issued August 14, 2002.

Monterey Bay Air Resources District, Renewal of 5-year Federal Title V Operating Permit No. TV-0000014, issued January 4, 2018. Most current administrative change date is May 11, 2021 with Permit No. TV-0000014C.

Monterey Bay Unified Air Pollution Control District, Revised Authorities-to-Construct 11406, 11407, 11408 and 11409 (with gas turbine shutdown emission limits), issued January 10, 2003.

State of California Environmental Protection Agency, Department of Toxic Substances Control (DTSC), Application for renewal of RCRA Part B Permit for Surface Impoundments at Moss Landing Power Plant, was approved on September 14, 2017. The permit expires on September 13, 2027. On February 21, 2018, Dynegy Moss Landing, LLC submitted a Notice of Intent to DTSC and the Central Coast Regional Water Quality Control Board to enter closure of the Class I Surface Impoundments and Filter Press. Dynegy Moss Landing, LLC implemented Section 13.0 the Closure Plan from the Hazardous Waste Part B Permit Application, Revision 14, March 2017, approved by DTSC on September 14, 2017. Physical work started on July 16, 2018 and completed in November 2018. The disposal of waste generated from the Closure was completed in December 2018. DTSC issued a Closure Certification Acknowledgement letter to Dynegy Moss Landing, LLC on April 24, 2019.

State of California Central Coast Regional Water Quality Control Board, Order No. R3-2014-0029 for Class I Wastewater Surface Impoundments and for Renewal of Exemptions to the Toxic Pits Cleanup Act, at Dynegy Moss Landing, LLC for Moss Landing Power Plant, was renewed and adopted on July 31, 2014. The permit expired on July 31, 2019. Dynegy Moss Landing, LLC did not submit an application for renewal and let the permit expire with the Central Coast Regional Water Quality Control Board.

Monterey Bay Air Resources District, Revised the Permits to Operate for combined cycle gas turbine generator Units 1A, 2A, 3A and 4A, effective April 21, 2021. See Exhibit 8 for the revised Permits to Operate for the four gas turbines.

Filings: Monterey Bay Unified Air Pollution Control District, Application for Short Term Variance (for Gas Turbines 1, 2, 3, 4's opacity excess emissions), filed September 26, 2002.

Monterey Bay Unified Air Pollution Control District, Application for Short Term Variance (for Gas Turbine 1's dry low NOx burner control logic tuning NOx and CO excess emissions), filed October 4, 2002.

Monterey Bay Unified Air Pollution Control District, Application for Modification to Authorities-to-Construct, Nos. 9837, 9838, 9839 and 9840 (for clarification of the gas turbine shutdown emission limits), filed October 29, 2002.

Monterey Bay Unified Air Pollution Control District, Application for Modification to Authorities-to-Construct, Nos. 11406, 11407, 11408 and 11409 (for tuning following periodic maintenance replacement of gas turbine combustors), filed May 27, 2003.

5. PROJECTION OF COMPLIANCE ACTIVITIES SCHEDULED DURING NEXT YEAR

Air Quality -13, -14, -15, -16, -17, -18, -19, -21, -22, -23, -24, -25, -26, -27, -28, -29, -30, -31, -32, -33, -34, -35, -36, -37, -38, -39, -40, -41, -42, -44, -45, -47, -48, -49
Hazardous Material Management -1
Soils & Water Resources – 2,
Visual Resources -1(d)

6. LISTING OF ADDITIONS TO THE ON-SITE COMPLIANCE FILE

See Exhibit 2 for a listing of additions to the on-site compliance file.

7. EVALUATION OF THE ON-SITE CONTINGENCY PLAN FOR UNEXPECTED FACILITY CLOSURE

Duke Energy submitted its onsite contingency plan for unexpected facility closure as part of its Closure Plan for Combined Cycle Generator Units (Plan) to the California Energy Commission on June 7, 2002. The Plan outlined the steps that would be taken to ensure the public health and safety and the environment in the event of an unexpected temporary facility closure.

An evaluation of the Plan by current owner and operator, Moss Landing Power Company LLC determined that it was necessary to update the U. S. Department of Homeland Security threat level alert system. The National Terrorism Advisory System, or NTAS, replaces the color-coded Homeland Security Advisory System (HSAS). This new system will more effectively communicate information about terrorist threats by providing timely, detailed information to the public, government agencies, first responders, airports and other transportation hubs, and the private sector. The NTAS responses are coordinated with the U. S. Coast Guard, Monterey

County Sheriff's Department, Dynegy's private security force, and other agencies. Moss Landing Power Plants efforts are ongoing to make sure that the security of the Power Plant is not compromised. Moss Landing Power Company LLC does not request any changes to the Plan.

8. LISTING AND DESCRIPTION OF RESOLUTION OF THE COMPLAINTS, NOTICES OF VIOLATION, OFFICIAL WARNINGS, AND CITATIONS

Complaint(s):

There were no complaints received in the compliance monitoring period.

Notice(s) of Violation:

- On August 15, 2022, the CEC CPM was notified via email that the facility received a Notice of Violation from the Monterey Bay Air Resources District (MBARD) on 8/5/2022 for exceeding the NOx emission limit during a Startup event set forth in the Permit to Operate.

- On September 20, 2022, the CEC CPM was notified via email that the facility received a Notice of Violation from the Monterey Bay Air Resources District (MBARD) on 9/12/2022 for failing to operate the Continuous Emissions Monitoring System (CEMS) according to the Permit to Operate.

Official Warning(s)/Citation(s):

There were no warnings or citations issued in the compliance monitoring period.

Certification Submittals
Moss Landing Power Plant Project
(99-AFC-4)

7/25/2023

	Tech Area/ Condition No.	Lead Party/ Support Party	Recipient	Submittal/Action	Date Submittal Required	Notes	Schedule Date Required	Actual Submittal Date	Actual Date CPM/CBO Approved	Compliance Status*
1	1 - General Requirements	DFD	CPM	a) Submit statement of verification signed by responsible design engineer, attesting that all designs, construction, installation and inspection requirements of applicable LORS & CEC decisision have been met.	Within 30 days of receipt of certificate of occupancy	If conflict between general and specific requirements, specific requirements will apply		7/8/02 7/29/02	10/4/02	Condition Satisfied
				b) Submit copy of Certificate of Occupancy from CBO upon receipt, (1998 CBC, Section 109, - Certificate of Occupancy)	Within 30 days of receipt	Temporary Certificate of Occupancy issued 6/13/02		6/21/02 7/8/02	5/1/03	Condition Satisfied
2	2 - General Requirements	DFD	CPM/CBO	a) Submit schedule with list of facility design submittals, master drawing list and a master specifications list	60 days prior to start of rough grading	Less than 60 days if mutually agreed	9/28/2000	8/1/00 CBO 9/18/00	9/27/02	Condition Satisfied
		DFD	CPM	b) Provide schedule updates	Monthly Compliance Report		Monthly		9/27/02	Condition Satisfied
3	3 - General Requirements	DFD	CBO	a) Make payments to CBO at time of submittal of plans, design calculations, specifications or soil reports.	Payment due at time of submittal			4/21/03	5/7/03	Condition Satisfied
			CPM	b) Send copy of CBO's receipts indicating payments have been made in next monthly compliance report.	Monthly Compliance Report		Monthly		9/27/02	Condition Satisfied
4	4 - General Requirements	DFD	CBO	a) Submit name, qualifications and registration number of proposed RE and any other delegated engineers or replacement engineers for review and approval.	30 days prior to start of rough grading or less number of days if mutually agreed	Replacements must be named within 5 days	10/28/2000	9/26/00	9/27/02	Condition Satisfied
			CPM	b) Notify of CBO's approval of the RE and other delegated engineers	Within 5 days of approval		As Needed		9/27/02	Condition Satisfied
5	5 - General Requirements	DFD	CBO	a)Submit names, qualifications and registration numbers of all responsible engineers assigned to project.	At least 30 days prior to start of rough grading	Less than 30 days if mutually agreed	10/28/2000	9/11/00	9/27/02	Condition Satisfied
			CPM	b) Notify of CBO's approval.	Within 5 days of approval	Replacements must be named within 5 days	As Needed		9/27/02	Condition Satisfied
6	6 - General Requirements	DFD	CBO/CPM	a) Submit names, qualifications and certification of weld inspectors or other certified special inspectors to CBO for review and approval. Send copy of submission to CPM. Same procedure to be followed for replacement inspectors.	At least 15 days prior to start of activity requiring special inspection	Replacements must be named within 5 days	Ongoing		9/27/02	Condition Satisfied
				b) Notify of CBO's approval and any subsequent approvals for replacement inspectors	Next Monthly Compliance Report		Monthly		9/27/02	Condition Satisfied

* Per CPM Stone, the status of a condition is either: remains in compliance, condition satisfied, more info required, not in compliance, not required or ongoing. Any format (e.g, email, fax, letter) can be used to convey status.

Tech Area/ Condition No.	Lead Party/ Support Party	Recipient	Submittal/Action	Date Submittal Required	Notes	Schedule Date Required	Actual Submittal Date	Actual Date CPM/CBO Approved	Compliance Status*
		CPM	c) If disapproved, advise reason for disapproval and the revised corrective action to obtain approval	Within 5 days		As Needed		9/27/02	Condition Satisfied

* Per CPM Stone, the status of a condition is either: remains in compliance, condition satisfied, more info required, not in compliance, not required or ongoing. Any format (e.g, email, fax, letter) can be used to convey status.

	Tech Area/ Condition No.	Lead Party/ Support Party	Recipient	Submittal/Action	Date Submittal Required	Notes	Schedule Date Required	Actual Submittal Date	Actual Date CPM/CBO Approved	Compliance Status*
7	7 - General Requirements	DFD	CBO/CPM	a) Submit monthly construction progress report	Monthly Compliance Report		Monthly	Ongoing	9/27/02	Condition Satisfied
			CPM	b) Transmit copy of CBO's approval or disapproval of any corrective action taken to resolve a discrepancy	Within 15 days of action		As Needed		9/27/02	Condition Satisfied
			CPM	c) If disapproved, advise reason for disapproval and the revised corrective action to obtain approval	Within 5 days		As Needed		9/27/02	Condition Satisfied
8	8 - General Requirements	DFD	CBO/CPM	Submit written notice to CBO, with copy to CPM, requesting final inspection of completed work and submit a signed statement that work conforms to final approved plans. Submit to CBO as-built drawings for const of structural and architectural work.	Within 15 days of completion of any work		Ongoing	4/22/03	5/7/03	Condition Satisfied
9	9 - General Requirements	Station	Monterey Co. /CPM	File copy of closure/decommissioning plans with Monterey Co. and the CPM for review and approval. Prior to filing, meet with CPM to discuss plans.	12 months prior to closure activities		At Closure			[Open]
10	1 - Civil Features	DFD	CBO	a) Submit to CBO for review and approval: design of proposed drainage structures and grading plan; erosion and sedimentation control plan; calc's and spec's signed & stamped by responsible civil engineer; soils report.	15 days prior to start of site grading		11/23/2000	9/21/00	9/27/02	Condition Satisfied
			CPM	b) Following approval submit written statement certifying that documents have been approved by CBO	Next Monthly Compliance Report		Next report after approval	12/10/00	9/27/02	Condition Satisfied
11	2 - Civil Features	DFD	CPM	a) Notify when earthwork and construction are stopped as result of unforeseen adverse geologic or soil conditions.	Within 5 days of work stoppage		As Needed		9/27/02	Condition Satisfied
			CBO	b) Submit to CBO modified plans, specs, and calcs on new conditions for review and approval	Before resuming earthwork and construction		As Needed		9/27/02	Condition Satisfied
			CPM	c) Provide copy of CBO's approval to resume earthwork and construction in affected areas	Within 5 days of CBO's approval		As Needed		9/27/02	Condition Satisfied
12	3 - Civil Features	DFD	CPM/CBO and DFD /Resident Engineer	a) Perform inspections in accordance with the 1998 CBC, Chapter 1, Section 108; Chapter 17, Section 1701.6; and Appendix Chapter 33, Section 3317 and report discrepancies and non-compliance.	Immediately	All plant site-grading operations also subject to inspection by CBO and CPM	Ongoing		9/27/02	Condition Satisfied
		DFD/Resident Engineer	CPM/CBO	b) Submit Non-Conformance Report and proposed corrective action.	Within 5 days of discovery		As Needed	2/2/01	9/27/02	Condition Satisfied
		DENA	CPM/CBO	c) Submit written report detailing corrective action	Within five days of resolution		As Needed		9/27/02	Condition Satisfied

* Per CPM Stone, the status of a condition is either: remains in compliance, condition satisfied, more info required, not in compliance, not required or ongoing. Any format (e.g, email, fax, letter) can be used to convey status.

Tech Area/ Condition No.	Lead Party/ Support Party	Recipient	Submittal/Action	Date Submittal Required	Notes	Schedule Date Required	Actual Submittal Date	Actual Date CPM/CBO Approved	Compliance Status*
	DENA	CPM	d) Include list of all NCR's for the reporting month	Monthly Compliance Report		Monthly		9/27/02	Condition Satisfied

* Per CPM Stone, the status of a condition is either: remains in compliance, condition satisfied, more info required, not in compliance, not required or ongoing. Any format (e.g, email, fax, letter) can be used to convey status.

	Tech Area/ Condition No.	Lead Party/ Support Party	Recipient	Submittal/Action	Date Submittal Required	Notes	Schedule Date Required	Actual Submittal Date	Actual Date CPM/CBO Approved	Compliance Status*
13	4 - Civil Features	DFD	CBO	a)Obtain CBO's approval of final "as-graded" grading plans and final "as-built" plans for the erosion and sedimentation control mitigation and drainage facilities and submit civil engineer's signed statement completed in accordance with plans and are adequate.	Within 30 days of completion			9/6/02	10/17/02	Condition Satisfied
		DENA	CPM	b)Submit a copy of report in next monthly report	Monthly Compliance Report			9/6/02	10/17/02	Condition Satisfied
14	1 - Structure Features	DFD	CPM/CBO	a) Submit design engineer's signed statement that final design plans, specifications and calculations conform with requirements of CEC decision. Submit copy to CPM.	30 days prior to start of any increment of construction	Less than 30 days if mutually agreed	11/19/00	9/27/00 rev. 10/9/00	9/27/02 7/1/03	Condition Satisfied
				b) Resubmit corrected plans if required. Submit copy to CPM	Within 20 days of receipt of non conformance		As Needed		9/27/02 7/1/03	Condition Satisfied
			CPM	c) Submit copy of statement of conformance from CBO		Per 5/6/03 email from CPM, this statement is not needed after the issuance of the Certificate of Occupancy.			7/1/03	Condition Satisfied
15	2 - Structure Features	DFD	CPM/CBO	a) If discrepancies found in various tests and reports submitted, a NCR describing discrepancies with reference to the condition of certification will be submitted and a copy of transmittal letter sent to CPM.	Within 5 days of discrepancy discovery		As Needed	8/27/01	9/27/02	Condition Satisfied
				b) Submit a copy of corrective action	Within 5 days of resolution		As Needed	9/10/01	9/27/02	Condition Satisfied
			CPM	c) If corrective action disapproved, submit reason for disapproval and the revised corrective action resubmitted to CBO for approval	Within 5 days		As Needed		9/27/02	Condition Satisfied
			CPM	d) Submit copy of CBO's approval of the corrective action	Within 15 days of approval		As Needed	9/27/01	9/27/02	Condition Satisfied

* Per CPM Stone, the status of a condition is either: remains in compliance, condition satisfied, more info required, not in compliance, not required or ongoing. Any format (e.g, email, fax, letter) can be used to convey status.

	Tech Area/ Condition No.	Lead Party/ Support Party	Recipient	Submittal/Action	Date Submittal Required	Notes	Schedule Date Required	Actual Submittal Date	Actual Date CPM/CBO Approved	Compliance Status*
16	3 - Structure Features	DFD	CBO	a) Notify CBO of intended filing of design changes and submit required number of copies of revised drawings and other mentioned documents. Provide copy of transmittal to CPM.	Schedule suitable to the CBO		As Needed	1/15/01 2/16/01 3/19/01 4/19/01 5/22//01 6/20/01 7/17/01 8/22/01 9/25/01 10/17/01 11/27/01 12/18/01	9/27/02	Condition Satisfied

* Per CPM Stone, the status of a condition is either: remains in compliance, condition satisfied, more info required, not in compliance, not required or ongoing. Any format (e.g, email, fax, letter) can be used to convey status.

	Tech Area/ Condition No.	Lead Party/ Support Party	Recipient	Submittal/Action	Date Submittal Required	Notes	Schedule Date Required	Actual Submittal Date	Actual Date CPM/CBO Approved	Compliance Status*
16	3 - Structure Features (cont.)		CPM	b) Notify CPM when CBO has approved revised plans.	Monthly Compliance Report		Monthly		9/27/02	Condition Satisfied
17	4 - Structure Features	DFD	CBO	a) Submit for review and approval final design plans, specifications and calculations and copy of stamped and signed engineer's certification for tanks highly toxic or explosive substances.	30 days prior to installation of tanks	There will be no tanks or vessels containing quantities exceeding amounts in Ch.			9/27/02	Condition Satisfied
			CPM	b) Send copies of CBO approved plan checks and copy of inspection approvals following completion of any inspection	Monthly Compliance Report		Monthly		9/27/02	Condition Satisfied
18	1 - Mechanical Systems	DFD	CBO	a) Submit final piping design plans, specification and calculations, applicable codes, and signed stamped engineers certification of conformance for review and approval. Send copy of transmittal letter to CPM.	30 days prior to start of any increment of piping	Less than 30 days if mutually agreed	Ongoing		9/27/02	Condition Satisfied
			CPM	b) Submit copy approvals of CBO following completion of any inspections	Monthly Compliance Report		Monthly		9/27/02	Condition Satisfied
19	2 - Mechanical Systems	DFD	CBO	a) Submit pressure vessel final design plans, specifications and calculations including copy of signed and stamped engineer's certification for review and approval. Send copy of transmittal letter to CPM.	30 days prior to start of on-site fabrication or installation of pressure vessels	Less than 30 days if mutually agreed	Ongoing	6/7/02	9/27/02	Condition Satisfied
			CPM	b) Submit copy CBO's plan check approvals and CBO's and/or Cal-OSHA's final inspection approvals.	Monthly Compliance Report		Monthly	6/13/02	9/27/02	Condition Satisfied
20	3 - Mechanical Systems	DFD	CBO	a) Submit for review and approval HVAC or refrigeration calculations, plans and specifications, including stamped statement by responsible mechanical engineer certifying compliance with applicable CBC edition. Send copy of transmittal letter to CPM.	30 days prior to construction of HVAC or refrigeration system	Less than 30 days if mutually agreed	Ongoing	6/13/02	9/27/02	Condition Satisfied
			CPM	b) Submit copies of CBO's comments and approvals and a copy of final inspection approvals.	Monthly Compliance Report		Monthly		9/27/02	Condition Satisfied
21	4 - Mechanical Systems	DFD	CBO	a) Submit plumbing final design plans, specifications and calculations including copy of signed, stamped statement certifying compliance with applicable CBC edition from responsible mechanical engineer.	30 days prior to start of plumbing construction	Less than 30 days if mutually agreed	Ongoing		9/27/02	Condition Satisfied
			CPM	b) Send copy of transmital letter a copy of CBO's inspection approvals in report following completion of that increment of construction.	Monthly Compliance Report		Monthly		9/27/02	Condition Satisfied

* Per CPM Stone, the status of a condition is either: remains in compliance, condition satisfied, more info required, not in compliance, not required or ongoing. Any format (e.g, email, fax, letter) can be used to convey status.

	Tech Area/ Condition No.	Lead Party/ Support Party	Recipient	Submittal/Action	Date Submittal Required	Notes	Schedule Date Required	Actual Submittal Date	Actual Date CPM/CBO Approved	Compliance Status*
22	1 - Electrical Systems	DFD	CBO	a) Submit for review and approval prior to each increment of equipment installation, the electrical final design plans, specifications, and calculations for electrical equipment and 480 volt or greater system with signed, stamped electrical eng. statement	30 days prior to start of electrical construction	Less than 30 days if mutually agreed	Ongoing	9/24/01	9/27/02	Condition Satisfied
			CPM	b) Send copy of transmittal letter	Monthly Compliance Report		Monthly		9/27/02	Condition Satisfied
23	2 - Electrical Systems	DFD	CBO	a) Submit for review and approval prior to start of each increment of equipment installation for electrical equipment and systems 480V or greater, final design plans, specifications and calculations including copy of signed & stamped certification of comp	30-days prior to electrical equipment installation	Less than 30 days if mutually agreed	Ongoing	6/13/02	9/27/02	Condition Satisfied
			CPM	b) Send copy of transmittal letter.	Monthly Compliance Report		Monthly		9/27/02	Condition Satisfied
24	1 - Transmission System Engineering	DE&S	CPM	a) Submit for approval the transmission system design drawings, specifications and calculations for poles/towers, foundations, anchor bolts, conductors, grounding system and major switchyard equipment with required additional support documents.	60 days prior to start of construction of transmission systems	Per 4/26/01 email from CPM, this condition gets CBO review, and only approvals are submitted to the CEC in MCR.			12/19/02	Condition Satisfied
				b) Submit Detailed Facilities Study and executed interconnection agreement. Submit for approval the substitution of equipment and substation configurations.	60 days prior to start of construction of transmission systems	Excecuted interconnection agreement outstanding.	4/1/01	5/3/01 5/14/02	9/27/02	Condition Satisfied
25	2 - Transmission System Engineering	DE&S	CPM	Request written approval to implement any impending changes which may not conform to requirements of Transmission System Engineering Verification 1.	60 days prior to construction of transmission facilities	Per 4/26/01 email from CPM, this condition gets CBO review, and only approvals are submitted to the CEC in MCR.			9/27/02	Condition Satisfied

* Per CPM Stone, the status of a condition is either: remains in compliance, condition satisfied, more info required, not in compliance, not required or ongoing. Any format (e.g, email, fax, letter) can be used to convey status.

	Tech Area/ Condition No.	Lead Party/ Support Party	Recipient	Submittal/Action	Date Submittal Required	Notes	Schedule Date Required	Actual Submittal Date	Actual Date CPM/CBO Approved	Compliance Status*
26	3 - Transmission System Engineering	DE&S	CPM	a) Submit transmission facilities "as-built" engineering descriptions and one-line diagrams, signed and sealed by the responsible registered electrical engineer in charge with statement of conformance with CPUC GO-95, Title 8, CCR, section 27000.	Within 60 days after first synchronization	Per 4/26/01 email from CPM, this condition gets CBO review, and only approvals are submitted to the CEC in MCR.		6/21/02	12/19/02	Condition Satisfied

* Per CPM Stone, the status of a condition is either: remains in compliance, condition satisfied, more info required, not in compliance, not required or ongoing. Any format (e.g, email, fax, letter) can be used to convey status.

	Tech Area/ Condition No.	Lead Party/ Support Party	Recipient	Submittal/Action	Date Submittal Required	Notes	Schedule Date Required	Actual Submittal Date	Actual Date CPM/CBO Approved	Compliance Status*
				b) Submit an "as-built" engineering description of the mechanical, structural and civil portion of the transmission facilities signed and sealed by the responsible registered engineer in charge.	Within 60 days after first synchronization	As-built drawings shall be maintained on site for CPM audit		6/21/02	12/19/02	Condition Satisfied
				c) Submit a summary of inspections of completed transmission facilities and any nonconforming work and corrective actions taken signed and sealed by responsible registered engineer in charge.	Within 60 days after first synchronization			6/21/02	12/19/02	Condition Satisfied
27	4 - Transmission System Engineering	DENA	CPM	a) Provide the CAL-ISO with a letter stating the proposed date of synchronization.	One week prior to synchronizing the facility with the grid for testing	This is a post-certification condition which was added 8/9/01		4/3/02	9/27/02	Condition Satisfied
		DENA	CPM	b) Provide telephone notification to the ISO Outage Coordination Department.	One business day prior to synchronizing the facility with the grid for testing	This is a post-certification condition which was added 8/9/01		4/5/02	9/27/02	Condition Satisfied
28	1 - Transmission Line Safety and Nuisance	DENA	CPM	File Consultant's measurements of strengths of electrical and magnetic fields, pre- and post-energization measurements	60 days after project is operational & within 60 days after measurements completed		8/1/2002	9/4/02	10/17/02	Condition Satisfied
29	1 - Air Quality	DFD	CPM and District	Provide for review and approval of District and CPM all design criteria and specifications on gas turbine generators, heat recovery steam generators, steam turbine generator, condensers, SCR system, ammonia injection system and CEMs	Prior to the first firing of the gas turbine		3/28/02	3/13/02	5/10/02	Condition Satisfied
30	2 - Air Quality	DENA	CPM	Provide copies of revised Title V permits.	30 days after permits received from District	Must receive Title V permits prior to combusting fuel in Gas Turbines	8/31/01	8/17/01	9/27/02	Condition Satisfied
31	3 - Air Quality	DFD	CPM	Provide copies of design drawings of continuous emission monitor design detail.	10 days prior to construction of HRSG and stack		3/16/01	3/12/01	9/27/02	Condition Satisfied

* Per CPM Stone, the status of a condition is either: remains in compliance, condition satisfied, more info required, not in compliance, not required or ongoing. Any format (e.g, email, fax, letter) can be used to convey status.

	Tech Area/ Condition No.	Lead Party/ Support Party	Recipient	Submittal/Action	Date Submittal Required	Notes	Schedule Date Required	Actual Submittal Date	Actual Date CPM/CBO Approved	Compliance Status*
32	4 - Air Quality	DFD	District	a) Provide Commissioning Plan describing procedures to be followed during commissioning of gas turbines, HRSGs and steam turbines	Prior to first firing of gas turbines		2/28/02	2/20/02	9/27/02	Condition Satisfied

* Per CPM Stone, the status of a condition is either: remains in compliance, condition satisfied, more info required, not in compliance, not required or ongoing. Any format (e.g, email, fax, letter) can be used to convey status.

	Tech Area/ Condition No.	Lead Party/ Support Party	Recipient	Submittal/Action	Date Submittal Required	Notes	Schedule Date Required	Actual Submittal Date	Actual Date CPM/CBO Approved	Compliance Status*
32	4 - Air Quality (cont.)		CPM/District	b) Provide copy of Commissioning Plan for approval	Within 30 days prior to first fuel firing of the combustion turbines		2/28/02	2/20/02	9/27/02	Condition Satisfied
33	5 - Air Quality	DENA	District	a)Arrange for an inspection of equipment	No later than 7 days prior to combusting fuel in gas turbines		3/21/02	3/14/02	9/27/02	Condition Satisfied
			CPM	b) Provide copy of notification requesting arrangement of inspection of equipment	At least 7 days prior to combusting fuel in gas turbines		3/21/02	3/14/02	9/27/02	Condition Satisfied
34	6 - Air Quality	DENA	CPM/District	Provide copies of Emission Reduction Credits (ERC's) and identify them by name and quantity.	Prior to combustion of fuel in gas turbines		3/28/02	3/14/02	9/27/02	Condition Satisfied
35	7 - Air Quality	DFD		Minimize emissions from the gas turbines to the maximum extent possible during the commissioning period as provided in Commissioning Plan		See AQ - 4	2/28/02	2/20/02	9/27/02	Condition Satisfied
36	8 - Air Quality	DFD		Combustors of the gas turbines shall be tuned to minimize emissions at the earliest feasible opportunity as provided in the Commissioning Plan		See AQ - 4	2/28/02	2/20/02	9/27/02	Condition Satisfied
37	9 - Air Quality	DFD		Install, adjust and operate to minimize the emissions of nitrogen oxides and ammonia from the gas turbines at the earliest feasible opportunity in accordance with recommendations of the equipment manufacturers as provided in the Commissioning Plan		See AQ - 4	2/28/02	2/20/02	9/27/02	Condition Satisfied
38	10 - Air Quality	DFD	CPM	Limit firing hours of each Gas Turbine to 300 during commissioning without SCR System operating as provided in the Commissioning Plan		See AQ - 4	2/28/02	2/20/02	9/27/02	Condition Satisfied
39	11 - Air Quality	Station	CPM	Total mass emissions of nitrogen oxides, carbon monoxide, volatile organic compounds, PM10 and sulfur dioxide from each gas turbine shall accrue towards quarterly emission limits specified in Condition 25 as provided in the Commissioning Plan.		See AQ - 4	2/28/02	2/20/02	9/27/02	Condition Satisfied

* Per CPM Stone, the status of a condition is either: remains in compliance, condition satisfied, more info required, not in compliance, not required or ongoing. Any format (e.g, email, fax, letter) can be used to convey status.

	Tech Area/ Condition No.	Lead Party/ Support Party	Recipient	Submittal/Action	Date Submittal Required	Notes	Schedule Date Required	Actual Submittal Date	Actual Date CPM/CBO Approved	Compliance Status*
40	12 - Air Quality	DFD	CPM/District	a) Submit complete source test protocol of the Gas Turbines for approval prior to testing.	30 days prior to testing			4/29/02 5/3/02	9/27/02	Condition Satisfied
				b) Notify prior to test so an observer may be present. Changes to test date made subsequent to initial ten-day notification required no less than 48 hours prior to new test date	At least 10 days prior to testing			5/20/02	9/27/02	Condition Satisfied
				c) Conduct District and CEC approved source test to determine compliance with start-up and shutdown limits	At end of commissioning period				9/27/02	Condition Satisfied
				d) Provide written test results of the performance tests	Following the testing	Results will be available 60 days after the source test.	9/12/02		10/25/02	Condition Satisfied
41	13 - Air Quality	Station	CPM	Heat input rate for each Gas Turbine shall not exceed 1,870 MMBtu/hr.	see AQ-38 and 39	Recordkeeping				[Ongoing]
42	14 - Air Quality	Station	CPM	Maximum daily combined emissions shall not exceed following limits:	see AQ-38 and 39	Recordkeeping				[Ongoing]
				NOx - 2,589.4 lbs/day						
				CO - 17,301.8 lbs/day						
				PM10 - 864.0 lbs/day						
				VOC - 620.0 lbs/day						
				NH3 - 1,224.0 lbs/day						
				SO2 - 124.8 lbs/day						
43	15 - Air Quality	Station	CPM	Pollutant Mass Emission Rates in exhaust from Gas Turbine shall not exceed the following:	see AQ-38 and 39	Recordkeeping. Petition to Amend Condition filed with CEC 11/12/02.				[Ongoing]
				NOx - 17.23 lbs/hr, 413.52 lbs/day						
				CO - 37.76 lbs/hr, 906.24 lbs/day						
				PM10 - 9.0 lbs/hr, 216.0 lbs/day						
				VOC - 4.79 lbs/hr, 115.0 lbs/day						
				NH3 - 12.75 lbs/hr, 306.0 lbs/day						
				SO2 - 1.3 lbs/hr, 31.2 lbs/day						
44	16 - Air Quality	Station	CPM	Pollutant concentrations discharged to atmosphere from each Gas Turbine shall not exceed the following limits, calculated at 15% O2 on 1-hour rolling average:	see AQ-38 and 39	Recordkeeping				[Ongoing]
				NO2 - 2.5 ppm						
				CO - 9.0 ppm (rolling 3 hour average)						
				NH3 - 5.0 ppm (3-60 minute averages)						

* Per CPM Stone, the status of a condition is either: remains in compliance, condition satisfied, more info required, not in compliance, not required or ongoing. Any format (e.g, email, fax, letter) can be used to convey status.

	Tech Area/ Condition No.	Lead Party/ Support Party	Recipient	Submittal/Action	Date Submittal Required	Notes	Schedule Date Required	Actual Submittal Date	Actual Date CPM/CBO Approved	Compliance Status*
45	17 - Air Quality	Station	CPM	Pollutant emission rates discharged to atmosphere from Gas Turbine, during a Start-up, shall not exceed the following:	see AQ-38 and 39	Recordkeeping. Petition to Amend Condition filed with CEC 11/12/02.				[Ongoing]
				NO2 - 320 lbs/startup						
				CO - 3,608 lbs/startup						
				VOC(as CH4) - 64 lbs/startup						
46	18 - Air Quality	Station	CPM	Submit for review and approval procedures to respond to short term excursions from Nox emission limits(10 hours or less per rolling 12 month period, per DENA definition).	see AQ-38 and 39	Recordkeeping				[Ongoing]
47	19 - Air Quality	Station	CPM	CEM Systems shall be installed and operated on each gas turbine and continuously record and calculate and monitor concentrations.	See AQ - 38 and 39	Recordkeeping				[Ongoing]
48	20 - Air Quality	DENA/Station	District and CPM	a) Submit testing protocol prior to testing	Prior to testing			4/29/02	9/27/02	Condition Satisfied
				b) Notify prior to test so an observer may be present. Changes to test date made subsequent to initial ten-day notification required no less than 48 hours prior to new test date	Prior to the actual date of the testing. See AQ-38 and -39		5/14/02	5/13/02	9/27/02	Condition Satisfied
				c) Perform a RATA on the CEMS	Following the commissioning of the gas turbines	RATA tests performed on 6/5/02 for Unit 1 and 7/2/02 for Unit 2		9/5/02	9/27/02	Condition Satisfied
				d) Performance test shall be performed and written test results of the RATA .	Within 30 days after testing			9/5/02	9/27/02	Condition Satisfied
49	21 - Air Quality	Station	CPM	The heat input rate to each Boiler shall not exceed 7,048 MMBtu/hr. Not in current Title V Permit, but maintaining records.	maintain records for 5 yrs after creation and available for inspection. See AQ-38 and -39	Recordkeeping				[Ongoing]
50	22 - Air Quality	Station	CPM	Effective December 31, 2000, pollutant mass emission rates discharged to the atmosphere from one Boiler shall not exceed the following: Not in current Title V Permit, but maintaining records.	maintain records for 5 yrs after creation and available for inspection. See AQ-38 and -39	Recordkeeping				[Ongoing]
				Nox - 85.6 lbs/hr, 2,054 lbs/day						
				CO - 862.7 lbs/hr, 20,704.8 lbs/day						
				PM10 - 52.5 lbs/hr, 1,260.0 lbs/day						
				VOC - 38.0 lbs.hr, 912.0 lbs/day						
				NH3 - 31.6 lbs/hr, 758.4 lbs/day						
				SO2 - 4.9 lbs/hr, 117.6 lbs/day						

* Per CPM Stone, the status of a condition is either: remains in compliance, condition satisfied, more info required, not in compliance, not required or ongoing. Any format (e.g, email, fax, letter) can be used to convey status.

	Tech Area/ Condition No.	Lead Party/ Support Party	Recipient	Submittal/Action	Date Submittal Required	Notes	Schedule Date Required	Actual Submittal Date	Actual Date CPM/CBO Approved	Compliance Status*
51	23 - Air Quality	Station	CPM	Effective December 31, 2000, pollutant concentrations discharged to the atmosphere from one Boiler based on 1 hour rolling average, shall not exceed the following: Not in current Title V Permit, but maintaining records.	maintain records for 5 yrs after creation and available for inspection. See AQ-38 and -39	Recordkeeping				[Ongoing]
				NO2 - 10 ppm						
				CO - 1000 ppm (400 ppm-during testing)						
				NH3 - 10 ppm						
52	24 - Air Quality	Station	CPM	December 31, 2000 thru December 31, 2001, DENA will operate units subject to emissions limits in Cond 20 such that MW-hours equal or exceed MW-hours of the unit not subject to requirements of Con 22. Provided preferential operation does not impair the provision of reliable electric service.	maintain records for 5 yrs after creation and available for inspection. See AQ-38 and -39	Recordkeeping				Condition Satisfied
53	25 - Air Quality	Station	CPM	Effective December 31, 2001 pollutant mass emissions rates in exhaust discharged from Boiler shall not exceed the following: (These do not apply during start-up not to exceed 12 hrs or shutdown not to exceed 8 hrs.). Not in current Title V Permit, but maintaining records.	maintain records for 5 yrs after creation and available for inspection. See AQ-38 and -39	Recordkeeping				[Ongoing]
				NOx - 85.6 lbs/hr, 2,054.4 lbs/day						
				CO - 862.7 lbs/hr, 20,704.8 lbs/day						
				PM10 - 52.5 lbs/hr, 1,260.0 lbs/day						
				VOC - 38.0 lbs/hr, 912.0 lbs/day						
				NH3 - 31.6 lbs/hr, 758.4 lbs/day						
				SO2 - 4.9 lbs/hr, 117.6 lbs/day						
54	26 - Air Quality	Station	CPM	Effective December 31, 2001, pollutant concentrations discharged to atmosphere from each Boiler shall not exceed the following, based on 1 hour rolling average: Not in current Title V Permit, but maintaining records.	maintain records for 5 yrs after creation and available for inspection. See AQ-38 and -39	Recordkeeping				[Ongoing]
				NO2 - 10 ppm						
				CO - 1000 ppm (400 ppm-during testing)						
				NH3 - 10 ppm						

* Per CPM Stone, the status of a condition is either: remains in compliance, condition satisfied, more info required, not in compliance, not required or ongoing. Any format (e.g, email, fax, letter) can be used to convey status.

	Tech Area/ Condition No.	Lead Party/ Support Party	Recipient	Submittal/Action	Date Submittal Required	Notes	Schedule Date Required	Actual Submittal Date	Actual Date CPM/CBO Approved	Compliance Status*
55	27 - Air Quality	Station	CPM	CEM Systems to be installed on each Boiler with continuous recording of gaseous concentrations, monitoring of CO, CO2 or O2, and NOx	maintain records for 5 yrs after creation and available for inspection. See AQ-38 and -39	Recordkeeping				[Ongoing]
56	28 - Air Quality	Station	CPM	Cumulative emissions shall not exceed the following quarterly limits: Not in current Title V Permit, but maintaining records.	maintain records for 5 yrs after creation and available for inspection. See AQ-38 and -39	Recordkeeping				[Ongoing]
				Nox - 1/286,778, 2/285,301, 3/409,492, 4/336,584						
				SOx - 1/23,823, 2/24,567, 3/32,613, 4/29,468						
				VOC - 1/144,537, 2/150,294, 3/212,540, 4/188,206						
				PM10 - 1/213,533, 2/221,488, 3/307,505, 4/273,879						
				CO - 1/2,929,068, 2/3,059,753, 3/4,472,774, 4/3,920,385						
57	29 - Air Quality	Station	CPM	Units 6-1 and 7-1shall be abated by a properly operated and maintained Selective Catalytic Reduction System. Not in current Title V Permit, but maintaining records.	maintain records for 5 yrs after creation and available for inspection. See AQ-38 and -39	Recordkeeping				[Ongoing]
58	30 - Air Quality	Station	CPM	Demonstrate compliance by using properly operated and maintained continuous emissions monitors during all hours of operations for following parameters: (see list in document)	maintain records for 5 yrs after creation and available for inspection. See AQ-38 and -39	Recordkeeping				[Ongoing]
59	31 - Air Quality	Station	CPM	Calculate and record on a daily basis VOC mass emissions, PM10 mass emissions, SO2 mass emissions, and NH3 mass emissions from each source.	maintain records for 5 yrs after creation and available for inspection. See AQ-38 and -39	Recordkeeping				[Ongoing]

* Per CPM Stone, the status of a condition is either: remains in compliance, condition satisfied, more info required, not in compliance, not required or ongoing. Any format (e.g, email, fax, letter) can be used to convey status.

	Tech Area/ Condition No.	Lead Party/ Support Party	Recipient	Submittal/Action	Date Submittal Required	Notes	Schedule Date Required	Actual Submittal Date	Actual Date CPM/CBO Approved	Compliance Status*
60	32 - Air Quality	Station	CPM	Instrumentation must be operated to measure the SCR catalyst inlet temperature and pressure differential across the SCR catalyst.	maintain records for 5 yrs after creation and available for inspection. See AQ-38 and -39	Recordkeeping				[Ongoing]
61	33 - Air Quality	Station	APCD / CPM	Submit monthly report to Air Pollution Control District which includes: (See criteria in condition)	See AQ-38 and -39	Recordkeeping				[Ongoing]
				a) Time intervals, date and magnitude of excess emissions						
				b) Nature and cause of excess emissions and corrective actions taken						
				c) Time and date of each period during which the CEMS was inoperative						
				d) A negative declaration when no excess emissions occurred						
62	34 - Air Quality	Station	CPM	Monitor and report SO2 emissions in accordance with 40CFR Parts 72 and 75.	see AQ-38 and 39	Recordkeeping				[Ongoing]
63	35 - Air Quality	Station	CPM	Starting January 1, 2000, hold Sulfur Dioxide allowances in the compliance subaccounts not less than the total annual emissions of SO2 for the previous calendar year.	maintain records for 5 yrs after creation and available for inspection. See AQ-38 and -39	Recordkeeping				[Ongoing]
64	36 - Air Quality	Station	CPM	Equipment installed for continuous monitoring of CO2 or O2 and NOx shall be maintained and operated in accordance with 40 CFR Parts 72 and 75.	maintain records for 5 yrs after creation and available for inspection. See AQ-38 and -39	Recordkeeping				[Ongoing]
65	37 - Air Quality	Station	District	A written Quality Assurance program must be established in accordance with 40 CFR Part 75, appendix B, and 40 CFR Part 60, appendix F.	maintain records for 5 yrs after creation and available for inspection. See AQ-38 and -39	Recordkeeping				[Ongoing]
66	38 - Air Quality	Station	CPM	Permanent records shall be maintained for a period of five years after creation and be available for inspection by representatives of the District, Air Resources Board, the CEC CPM and other appropriate agencies.	maintain records for 5 yrs after creation and available for inspection	Recordkeeping				[Ongoing]

* Per CPM Stone, the status of a condition is either: remains in compliance, condition satisfied, more info required, not in compliance, not required or ongoing. Any format (e.g, email, fax, letter) can be used to convey status.

	Tech Area/ Condition No.	Lead Party/ Support Party	Recipient	Submittal/Action	Date Submittal Required	Notes	Schedule Date Required	Actual Submittal Date	Actual Date CPM/CBO Approved	Compliance Status*
67	39 - Air Quality	Station	CPM	Copies of quarterly reports shall be submitted to the District and the CEC CPM within 30 days of following the end of the calendar quarter. Report must be in electronic format and at a minimum include all items listed in Section 75.64.	quarterly					[Ongoing]
68	40 - Air Quality	Station	CPM	Quarterly (or less frequently if deemed appropriate by the APCD) testing to verify compliance with the NH3 slip limit. Test must be accordance with collection method specified in BAAQMD Source Test Procedure ST-1B and analysis specified in EPA Method 350.3.	maintain records for 5 yrs after creation and available for inspection. See AQ-38 and -39	Recordkeeping				[Ongoing]
69	41 - Air Quality	Station	District	a) Notify prior to annual test so an observer may be present. Changes to test date made subsequent to initial ten-day notification required no less than 48 hours prior to new test date	b) Notify District prior to testing	Recordkeeping	(Operations Schedule)			[Ongoing]
				b) Annual performance tests shall be conducted in accordance with the Monterey Bay Unified Air Pollution Control District test procedures.	Annually (Third quarter of each year)		Annually			[Ongoing]
				c) Provide written results of the performance tests	After testing					[Ongoing]
70	42 - Air Quality	Station	APCO	Report breakdowns which result in inability to comply with any emission standard or requirement.	see AQ-38 and 39					[Ongoing]
71	43 - Air Quality	DENA/DFD	District/CPM	Submit for review and approval design drawings of the location and configuration of stack sampling ports	Prior to start of construction of HRSG and Stack	CEC authorized change of verification dates 3/14/01	3/26/01	3/16/01	4/1/01	Condition Satisfied
72	44 - Air Quality	Station	CPM	No emissions shall constitute a public nuisance.	see AQ-38 and 39	Recordkeeping				[Ongoing]
73	45 - Air Quality	Station	CPM	No Air Contaminant shall be discharged into the atmosphere for a period or periods aggregating more than 3 minutes in any one hour which as dark or darker than Ringlemann 1 or equivalent 20% opacity.	see AQ-38 and 39	Recordkeeping				[Ongoing]
74	46 - Air Quality	DENA/Station	CPM	Fund operation of the "Stationary Source" percentage of the District's Salinas air monitoring station.	see AQ-38 and 39	Payment made Annually		6/29/01	7/23/01	Condition Satisfied
75	47 - Air Quality	Station	CPM/District/Air Resources Board/others as appropriate	All representatives of District, CEC CPM, the Air Resources Board or other appropriate agencies to enter premises to witness tests, review copies of records, inspect equipment and sample emissions for the sources.	Continuous					[Ongoing]

* Per CPM Stone, the status of a condition is either: remains in compliance, condition satisfied, more info required, not in compliance, not required or ongoing. Any format (e.g, email, fax, letter) can be used to convey status.

	Tech Area/ Condition No.	Lead Party/ Support Party	Recipient	Submittal/Action	Date Submittal Required	Notes	Schedule Date Required	Actual Submittal Date	Actual Date CPM/CBO Approved	Compliance Status*
	48 - Air Quality	Station	Air Resources Board/others as appropriate	Not more than one of the Gas Turbines shall be operated in support of a steam turbine cold startup or undergo combustor tuning at any one time.	With Annual Reprort	See Condition AQ-49		1/8/2004	1/8/2004	[Ongoing]
	49 - Air Quality	Station	Air Resources Board/others as appropriate	The total number of hours during which each Gas Turbine may be operated to support a steam turbine cold startup or may undergo combustor tuning shall not exceed 30 hour per year (each Gas Turbine).	With Annual Reprort	The owner/operator shall record the start time, end time and duration of each steam turbine cold startup and each combustor tuning period. On an annual basis, the owner/operator shall report the total number of hours during which each gas Turbine operated to support a steam turbine cold startup or in combustor tuning mode during the year.		1/8/2004	1/8/2004	[Ongoing]
76	50 - Air Quality (SC-AQ-50)	DENA/DFD	CPM	a) Submit fugitive Dust Control Plan to CPM for review and approval.	60 days prior to start of rough grading		9/28/2000	8/1/00	9/27/02	Condition Satisfied
				b) Maintain daily records to document specific actions taken pursuant to the plan	daily		Monthly		9/27/02	Condition Satisfied
				c) Submit summary of activities in Monthly Compliance Report	Monthly Compliance Report		Monthly		9/27/02	Condition Satisfied
77	51 - Air Quality (SC-AQ-51)	DFD		Maintain a daily log of the removal of track-out material onto public roadways and parking lots.	daily	Make available to CPM upon request	Daily		9/27/02	Condition Satisfied
78	52 - Air Quality (SC-AQ-52)	DFD		Maintain a daily log of sources of and implement control measures for fugitive dust in the atmosphere beyond property line.	daily	Make available to CPM upon request	Daily		12/19/02	Condition Satisfied
79	53 - Air Quality (SC-AQ-53)	DENA/DFD	CPM	a) Submit for review and approval Construction Equipment Plan.	30 days prior to commencement of construction		9/19/2000	8/1/00	9/27/02	Condition Satisfied

* Per CPM Stone, the status of a condition is either: remains in compliance, condition satisfied, more info required, not in compliance, not required or ongoing. Any format (e.g, email, fax, letter) can be used to convey status.

	Tech Area/ Condition No.	Lead Party/ Support Party	Recipient	Submittal/Action	Date Submittal Required	Notes	Schedule Date Required	Actual Submittal Date	Actual Date CPM/CBO Approved	Compliance Status*
				b) Maintain records to document the specific actions taken pursuant to plan and submit a summary of activities.	Monthly Compliance Report		Monthly		9/27/02	Condition Satisfied
80	54 - Air Quality (SC-AQ-54)	DENA/DFD	CPM	a) Submit documentation which demonstrates that heavy earthmoving equipment is properly maintained and the engines are tuned to the manufacturers specifications.	Monthly Compliance Report	Maintain records on site for 6 months after start of commercial operation	Monthly		9/27/02	Condition Satisfied
				b) Place in the Carl Moyer Diesel particulate mitigation account sufficient funds (not to exceed $100,000). Request that funds be earmarked for Monterey County.	30 days of receiving final permit authorizing construction		12/12/00	12/8/00	9/27/02	Condition Satisfied
81	1 - Hazardous Materials Management	Station	CPM	List of hazardous materials and quantities contained at site as specified in Title 40, C.F.R. Part 355, Subpart J, section 355.50.	Annual Compliance Report		Annually			[Ongoing]
82	2 - Hazardous Material Management	Station	CPM	Final Risk Management Plan for Aqueous Ammonia	60 days prior to delivery of Ammonia		12/31/2000	11/16/00 7/25/01	9/27/02	Condition Satisfied
83	3 - Hazardous Material Management	Station	CPM	Safety Management Plan for delivery of ammonia.	60 days prior to delivery of Ammonia		12/31/2000	11/16/00 7/25/01	9/27/02	Condition Satisfied

* Per CPM Stone, the status of a condition is either: remains in compliance, condition satisfied, more info required, not in compliance, not required or ongoing. Any format (e.g, email, fax, letter) can be used to convey status.

	Tech Area/ Condition No.	Lead Party/ Support Party	Recipient	Submittal/Action	Date Submittal Required	Notes	Schedule Date Required	Actual Submittal Date	Actual Date CPM/CBO Approved	Compliance Status*
84	4 - Hazardous Material Management	Station	CPM	Final design drawings and specifications for ammonia storage tanks and secondary containment basins.	60 days prior to delivery of Ammonia		12/31/2000	11/16/00 7/25/01	9/27/02	Condition Satisfied
85	1 - Worker Safety	DENA/DFD	CPM	a) Project Construction Safety and Health Program and Personal Protective Equipment Program .	30 days prior to construction		11/19/2000	9/27/00	9/27/02	Condition Satisfied
				b) Cover letter to Cal/OSHA.	30 days prior to construction		11/19/2000	9/27/00	9/27/02	Condition Satisfied
		DENA	NCFPD	c) Letter of acceptance from NCFPD of Construction Fire Protection and Prevention Plan.	30 days prior to construction		11/19/2000	9/27/00	9/27/02	Condition Satisfied
86	2 - Worker Safety	Station	CPM	a) Final Project Operation Safety & Health Program.	30 days prior to operation		5/28/2002	5/9/02	9/27/02	Condition Satisfied
				b) Cover Letter to Cal/OSHA Consultation Services	30 days prior to operation		5/28/2002	5/14/02	9/27/02	Condition Satisfied
				c) NCFPD review and acceptance of program.	30 days prior to operation		5/28/2002	5/14/02	9/27/02	Condition Satisfied
87	3 - Worker Safety	DENA/DFD	CPM	Letter from NCFPD verifying receipt/review/approval of plans for existing underground water system with proposed changes.	30 days prior to construction		11/19/2000	9/28/00	11/19/02	Condition Satisfied
88	4 - Worker Safety	DENA	CPM	Agreement with NCFPD for purchase and staffing of 75ft Quaint Aerial Ladder Truck.	30 days prior to any ground disturbance		10/28/2000	9/28/00	9/27/02	Condition Satisfied
89	1 - Biological Resources	DENA	CPM	a) Submit for approval the name, qualifications, address and telephone number of proposed designated biologist.	30 days prior to start of any surface disturbing activities		10/28/2000	9/26/00	9/27/02	Condition Satisfied
				b) Submit information on replacement of designated biologist.	10 days prior to replacement			3/12/03	3/28/03	Condition Satisfied
90	2 - Biological Resources	DENA BIOLOGIST		a) Maintain written records by designated biologist of implementation of biological resource conditions and supervise or conduct mitigation, monitoring or other compliance efforts. Notify if any non-compliance of a condition	Ongoing		Ongoing		9/27/02	Condition Satisfied
		DENA	CPM/Exec Dir of Coastal Comm	b) Submit summary of written records.	Monthly Compliance Report		Monthly		9/27/02	Condition Satisfied
91	3 - Biological Resources	DENA	CPM	a) Notify of any non-compliances reported by designated biologist and actions being taken to resolve them.	Within 2 days of non-compliance notification		As Needed		9/27/02	Condition Satisfied

* Per CPM Stone, the status of a condition is either: remains in compliance, condition satisfied, more info required, not in compliance, not required or ongoing. Any format (e.g, email, fax, letter) can be used to convey status.

	Tech Area/ Condition No.	Lead Party/ Support Party	Recipient	Submittal/Action	Date Submittal Required	Notes	Schedule Date Required	Actual Submittal Date	Actual Date CPM/CBO Approved	Compliance Status*
91	3 - Biological Resources (cont.)	DENA	CPM	b) Make determination of success or failure of corrective action	Within 5 working days after receipt of notice		As Needed		9/27/02	Condition Satisfied
92	4 - Biological Resources	DENA	CPM	a) Submit for approval copies of Worker Environmental Awareness Program written material prepared by designated biologist and name and qualifications of person administering the program. Designated biologist will evaluate and approve in writing individua	30 days prior to start of surface disturbing activities		10/28/2000	9/28/00	9/27/02	Condition Satisfied
				b) Provide number of people who have received training in prior month and total to date.	Monthly Compliance Report		Monthly		9/27/02	Condition Satisfied
93	5 - Biological Resources	DENA	CPM/Exec Dir Coastal Comm	a) Provide final version of Biological Resources Mitigation Implementation and Monitoring Plan.	60 days prior to start of surface disturbing activities		9/28/2000	9/28/00	9/27/02	Condition Satisfied
				b) CPM in consultation with the Exec Dir of the Coastal Commission will determine the plan's acceptability	Within 15 days of receipt		10/13/2000	10/13/00	9/27/02	Condition Satisfied
		Station	CPM/Exec Dir Coastal Comm	c) Notify before implementing any agreed to modifications to plan	Within 5 working days prior to implementing		As Needed			[Open]
		Station	CPM/Exec Dir Coastal Comm	d) For review and approval, provide CPM, with a copy to the Exec. Dir. of Coastal Comm., report identifying which items of the Biological Resources Mitigation Implementation and Monitoring Plan have been completed, a summary of modifications to mitigation	d) 90 days after completion of construction	Duke's response to CEC comments on report submitted 12/10/02	10/1/2002	11/13/02	1/15/03	Condition Satisfied
94	6 - Biological Resources	Station	CPM/Exec Dir Coastal Comm	Submit a Biological Resources Element with Facility Closure Plan for CPM review and approval and Exec. Dir of Coastal Comm review and approval	12 months prior to commence-ment of permanent closure activities	Temporary closure plan only submitted.		6/7/02	9/27/02	Condition Satisfied
95	7 - Biological Resources	DENA	Elkhorn Slough Foundation account	a) Make first payment of $1.5 million	120 days after start of construction for the new power generation units	RWQCB decision to consolidate payments. Wire transfer ordered 4/17/01, the date account info provided.	4/17/01	4/24/01	12/27/01 9/27/02	Condition Satisfied

* Per CPM Stone, the status of a condition is either: remains in compliance, condition satisfied, more info required, not in compliance, not required or ongoing. Any format (e.g, email, fax, letter) can be used to convey status.

Tech Area/ Condition No.	Lead Party/ Support Party	Recipient	Submittal/Action	Date Submittal Required	Notes	Schedule Date Required	Actual Submittal Date	Actual Date CPM/CBO Approved	Compliance Status*
			b) Make second payment of $750,000	Unit 1 COD	RWQCB decision to consolidate payments. Wire transfer ordered 4/17/01, the date account info provided.	4/17/01	4/24/01	12/27/01 9/27/02	Condition Satisfied
			c)Make third payment of $750,000	Unit 2 COD	RWQCB decision to consolidate payments. Wire transfer ordered 4/17/01, the date account info provided.	4/17/01	4/24/01	12/27/01 9/27/02	Condition Satisfied
			d)Make payment of $1 million	One year from Unit 1 COD	RWQCB decision to consolidate payments. Wire transfer ordered 4/17/01, the date account info provided.	4/17/01	4/24/01	12/27/01 9/27/02	Condition Satisfied
			e) Make payment of $1 million	One year from Unit 2 COD	RWQCB decision to consolidate payments. Wire transfer ordered 4/17/01, the date account info provided.	4/17/01	4/24/01	12/27/01 9/27/02	Condition Satisfied
			f) Make payment of $1 million	Two years from Unit 1 COD	RWQCB decision to consolidate payments. Wire transfer ordered 4/17/01, the date account info provided.	4/17/01	4/24/01	12/27/01 9/27/02	Condition Satisfied
			g) Make payment of $1 million	Two years from Unit 2	RWQCB decision to consolidate payments. Wire transfer ordered 4/17/01, the date account info provided.	4/17/01	4/24/01	12/27/01 9/27/02	Condition Satisfied

* Per CPM Stone, the status of a condition is either: remains in compliance, condition satisfied, more info required, not in compliance, not required or ongoing. Any format (e.g, email, fax, letter) can be used to convey status.

	Tech Area/ Condition No.	Lead Party/ Support Party	Recipient	Submittal/Action	Date Submittal Required	Notes	Schedule Date Required	Actual Submittal Date	Actual Date CPM/CBO Approved	Compliance Status*
		DENA	CPM/Central Coast Regional Water Quality Control Board/ Advisory Team members	h) Provide copy of check with written verification as each increment of $7 million is paid over established schedule	Within 15 days of each payment		5/1/01	4/27/01	12/27/01 9/27/02	Condition Satisfied
		CPM		i) Review draft enhancement/compensation project plan. Ensure agreement is completed within time period and that Elkhorn Slough Foundation accomplishes the goals and objectives of final plan	Within 180 days of certification	This is a CEC accountability. No action on Duke's part.	4/25/01	10/18/01	9/27/02	Condition Satisfied
		Station	CPM/Central Coast Regional Water Quality Control Board/Advisory Team members	j) Working with Elkhorn Slough Foundation, report description of projects implemented, a schedule and description of future projects, an analysis of impact of implemented projects and summary of financial account activity		Within 60 days of end of calendar year reported. Extension of Duke report granted per 4/17/03 email from CPM. Outline due in June; report due in "July or August."		Outline 6/5/03		Condition Satisfied
		CPM	DENA	k) Notify if any aspect of this condition has not been complied with	As needed					Condition Satisfied
96	8 - Biological Resources	Station	CPM	Confirm Marine Mammal Center's relation to the MLPPP	Annual Report		8/2/05	7/31/2004	8/2/2005	Condition satisfied

* Per CPM Stone, the status of a condition is either: remains in compliance, condition satisfied, more info required, not in compliance, not required or ongoing. Any format (e.g, email, fax, letter) can be used to convey status.

	Tech Area/ Condition No.	Lead Party/ Support Party	Recipient	Submittal/Action	Date Submittal Required	Notes	Schedule Date Required	Actual Submittal Date	Actual Date CPM/CBO Approved	Compliance Status*
97	9 - Biological Resources	DENA	CPM	a) Payment of $150,000 for Monterey Bay Sanctuary Foundation to fund the Coast Waters Evaluation Program.	90 days after certification		1/25/01	1/25/01	9/27/02	Condition Satisfied
				b) Final payment of $275,000 to Monterey Bay Sanctuary Foundation	90 days after commercial operation of the first new unit		9/1/02	8/12/02	9/27/02	Condition Satisfied
				c) Confirmation of payments	Annual Report	Per 9/10/02 telephone call with CPM, the verification for this condition was reported by letter in lieu of annual	Annually	9/16/02	9/27/02 10/17/02	Condition Satisfied
98	1 - Cultural Resources	DENA	CPM	a) Submit name and statement of qualifications for designated cultural resources specialist for review and written approval.	At least 90 days prior to start of earthwork		8/28/2000	7/11/00	9/27/02	Condition Satisfied
				b) Submit written confirm that approved cultural resource specialist: 1) will be available at start of earth disturbing activities and 2) is prepared to implement cultural resources conditions of certification.	At least 10 to 30 days prior to start of earthwork		10/28/2000	9/29/00	9/27/02	Condition Satisfied
				c) Submit for approval the name and resume of specialist if replacement of approved designated specialist occurs	10 days prior to termination or release of designated specialist		As Needed		9/27/02	Condition Satisfied
99	2 - Cultural Resources	DENA/DFD	CPM/Cultural Resources Specialist	a) Provide maps or drawings reflecting the footprint of the power plant and/or linear facilities.	At least 75 days prior to start of earthwork	Provide CR. Specialist with enlargements or strip maps if requested	9/13/2000	9/30/00	9/27/02	Condition Satisfied
				b) Provide maps and drawings reflecting changes.	Within 5 days of changes		As Needed		9/27/02	Condition Satisfied
100	3 - Cultural Resources	DENA	CPM	Provide Cultural Resources Monitoring and Mitigation Plan for review and written approval.	At least 60 days prior to start of earthwork		9/28/2000	8/28/00	9/27/02	Condition Satisfied
101	4 - Cultural Resources	DENA	CPM	Submit for review and written approval proposed employee training program, reporting procedures, and work curtailment procedures to follow if previously unknown cultural resources are encountered during construction. Provide name and resume of individual.	60 days prior to start of earthwork		9/28/2000	8/28/00	9/27/02	Condition Satisfied

* Per CPM Stone, the status of a condition is either: remains in compliance, condition satisfied, more info required, not in compliance, not required or ongoing. Any format (e.g, email, fax, letter) can be used to convey status.

	Tech Area/ Condition No.	Lead Party/ Support Party	Recipient	Submittal/Action	Date Submittal Required	Notes	Schedule Date Required	Actual Submittal Date	Actual Date CPM/CBO Approved	Compliance Status*
102	5 - Cultural Resources	DENA	CPM	a) Provide documentation verifying cultural resources training and reporting and work curtailment procedures have been provided to managers, supervisors and workers hired before the start of earth disturbing activities	With 7 days after start of earthwork		12/5/2000	12/7/00	9/27/02	Condition Satisfied

* Per CPM Stone, the status of a condition is either: remains in compliance, condition satisfied, more info required, not in compliance, not required or ongoing. Any format (e.g, email, fax, letter) can be used to convey status.

	Tech Area/ Condition No.	Lead Party/ Support Party	Recipient	Submittal/Action	Date Submittal Required	Notes	Schedule Date Required	Actual Submittal Date	Actual Date CPM/CBO Approved	Compliance Status*
			CPM	b) Provide documentation verifying cultural resources training and reporting and work curtailment procedures have been provided to managers, supervisors and workers hired during the month	Monthly Compliance Report		Monthly		9/27/02	Condition Satisfied
103	6 - Cultural Resources	DENA	CPM	a) Provide letter confirming that CRS and monitors have authority to halt construction in vicinity of cultural resources find.	30 days prior to start of earthwork		10/28/2000	9/26/00	9/27/02	Condition Satisfied
				b) Notify of any cultural resources encountered that Specialist determines is or may be significant	ASAP		As needed		9/27/02	Condition Satisfied
				c)Report any cultural resources encountered that Specialist determines is not significant in monthly report.	Monthly Compliance Report		Monthly		9/27/02	Condition Satisfied
104	7 - Cultural Resources	DENA/DFD	CRS	a) Provide weekly schedule of construction activities and map of planned earthwork activities including landscaping	10 days prior to start of earthwork and each week until earthwork completed		11/18/00 and then weekly	10/25/00	9/27/02	Condition Satisfied
			CPM	b) Provide weekly schedules of the construction activities, as well as maps showing where construction activity was to take place	Monthly Compliance Report		Monthly		9/27/02	Condition Satisfied
			CPM	c) Notify of completion of all ground disturbing activities and landscaping	At time of completion			11/13/02	11/22/02	Condition Satisfied
105	8 - Cultural Resources	DENA	DENA	a) Complete weekly summary and daily logs of any resource finds and progress or status of resource monitoring, mitigation, preparation, identification, and analytical work being conducted for the project	Daily/Weekly	CRS and delegated monitor may discuss activities with Energy Commission	10/30/00 and then daily/weekly		9/27/02	Condition Satisfied
		DENA/CRS	CPM	b) Ensure that CRS daily logs and weekly summary reports are included in monthly compliance report.	Monthly Compliance Report		Monthly		9/27/02	Condition Satisfied
106	9 - Cultural Resources	CRS/DENA	DENA	a) Notify when monitoring requirements are changed and document monitoring activities in weekly summary reports	As required and weekly		Weekly		9/27/02	Condition Satisfied
		DENA/CRS	CPM	b) Provide copies of weekly summary reports by cultural resources specialist on monitoring activities	Monthly Compliance Report		Monthly		9/27/02	Condition Satisfied
107	10 - Cultural Resources	DENA	CPM	a) Provide copies of all finalized agreements for Native-American monitors.	At least 30 days prior to earthwork		10/28/2000	9/29/00	9/27/02	Condition Satisfied
				b) Notify if unable to obtain services of qualified Native-American monitor	Immediately		As Needed		9/27/02	Condition Satisfied

* Per CPM Stone, the status of a condition is either: remains in compliance, condition satisfied, more info required, not in compliance, not required or ongoing. Any format (e.g, email, fax, letter) can be used to convey status.

	Tech Area/ Condition No.	Lead Party/ Support Party	Recipient	Submittal/Action	Date Submittal Required	Notes	Schedule Date Required	Actual Submittal Date	Actual Date CPM/CBO Approved	Compliance Status*
108	11 - Cultural Resources	DENA/CRS	CPM	Maintain in compliance files, copies of agreements with museums, universities, or other appropriate research facility that will ensure necessary recovery, preparation for analysis, and analysis of cultural resource material collected during data recovery	Continuous	Confidential information accessible only to qualified cultural resources specialists	Ongoing		9/27/02	Condition Satisfied
109	12 - Cultural Resources	DENA	DENA	a) Following the completion of data recovery, complete the proposed scope of work for Cultural Resources Report which follows the format of Cal. Office of Historic Preservation.	Within 120 days following completion of data recovery and site mitigation work	Per 2/21/02 email from CPM and CEC staff member D. Torres, this condition does not apply to MLPP.			9/27/02	Condition Satisfied
			CPM	b) Submit scope of work for review and approval.	Within 14 days after completion	Per 2/21/02 email from CPM and CEC staff member D. Torres, this condition does not apply to MLPP.			9/27/02	Condition Satisfied
110	13 - Cultural Resources	CRS	DENA	a) Notify in event of finding human remains	Immediately		As Needed		9/27/02	Condition Satisfied
		DENA	County Coroner	b) No further disturbance shall occur	Immediately		As Needed		9/27/02	Condition Satisfied
		DENA	CPM	c) Notify of find	Within 72 hours		As Needed		9/27/02	Condition Satisfied
111	14 - Cultural Resources	CRS	DENA	a) Provide Cultural Resources Report after completion of cultural resources activities or analysis of recovered materials	Within 120 days following completion			11/25/02 2/26/03 4/7/03	4/15/03 5/1/03	Condition Satisfied
				b) Submit Cultural Resources Report for review and written approval.	Within 14 days after completion of report.	Application for Confidential Designation submitted to CEC on 4/7/03.		11/25/02 2/26/03 4/7/03 4/21/03	4/15/03 5/1/03	Condition Satisfied
112	15 - Cultural Resources	DENA/CRS	CPM	a) After receiving approval of report, provide documentation verifying that Cultural Resources Report has been sent to public repository receiving the recovered data and materials for curation.	Within 30 days after receiving approval	Application for Confidential Designation and CR Report submitted to SHPO and CHRIS on 4/7/03.		4/7/03 4/21/03	4/15/03 5/1/03	Condition Satisfied
		DENA	CPM	b) Maintain copies of all documentation related to the filing of approved report with appropriate entities	Life of project		Life of project		4/15/03 5/1/03	Condition Satisfied

* Per CPM Stone, the status of a condition is either: remains in compliance, condition satisfied, more info required, not in compliance, not required or ongoing. Any format (e.g, email, fax, letter) can be used to convey status.

	Tech Area/ Condition No.	Lead Party/ Support Party	Recipient	Submittal/Action	Date Submittal Required	Notes	Schedule Date Required	Actual Submittal Date	Actual Date CPM/CBO Approved	Compliance Status*
113	16 - Cultural Resources	DENA	CPM	Maintain copies of signed contracts or agreements with public repository, that meets requirements of U.S. Secretary of the Interior, for curation of cultural resources material.	Life of project	Condition not needed per 3/25/03 memo from CEC.	Life of project	4/7/03 4/21/03	3/25/03	Condition Satisfied

* Per CPM Stone, the status of a condition is either: remains in compliance, condition satisfied, more info required, not in compliance, not required or ongoing. Any format (e.g, email, fax, letter) can be used to convey status.

	Tech Area/ Condition No.	Lead Party/ Support Party	Recipient	Submittal/Action	Date Submittal Required	Notes	Schedule Date Required	Actual Submittal Date	Actual Date CPM/CBO Approved	Compliance Status*
114	1 - Geological Resources	DENA/DFD	CPM/CBO	a) Request approval of certified engineering geologist; replacement will also require submittal for approval.	30 days prior to start of construction	Less than 30 days if mutually agreed	11/19/2000	9/20/00	9/27/02	Condition Satisfied
		CPM	DENA	b) Notify of approval or disapproval	Within 15 days of receipt of request			10/10/00	9/27/02	Condition Satisfied
115	2 - Geological Resources	DENA/DFD	CPM	a) Submit signed statement that engineering geology report has been submitted in compliance with 1998 CBC, Appendix Chapter 33, Section 3309.3 and that recommendations in report are incorporated in plans and specifications	Within 15 days of submittal of application for grading permit			11/17/00	9/27/02	Condition Satisfied
			CPM/CBO	b) Submit final engineering geology report	Within 90 days of completing final grading		8/24/02		10/14/02 2/4/03	Condition Satisfied
116	1- Paleontological Resources	DENA	CPM	a) Submit name, resume and availability of designated paleontological resource specialist for review and approval.	At least 90 days prior to start of construction	CPM will provide written approval or disapproval	9/19/2000	7/11/00	9/27/02	Condition Satisfied
				b) Replacement specialist name and resume.	10 days prior to release of old specialist	If emergency replacement required, can discuss replacement with CPM	As Needed		9/27/02	Condition Satisfied
117	2- Paleontological Resources	DENA	CPM	Provide copy of Monitoring and Mitigation Plan by paleontological resource specialist for review and approval.	60 days prior to start of construction		10/19/2000	8/28/00	9/27/02	Condition Satisfied
118	3 - Paleontological Resources	DENA	CPM	Submit for review, comment and written approval, proposed employee training program and reporting procedures for workers to follow if paleontological resources are encountered.	30 days prior to start of construction		11/19/2000	9/30/00	9/27/02	Condition Satisfied
119	4 - Paleontological Resources	PRS/DENA	DENA	a) Notify when monitoring requirements are changed	As needed		As Needed		9/27/02	Condition Satisfied
		DENA/PRS	CPM	b) Include summary of paleontological activities conducted by designated paleontological resource specialist.	Monthly Compliance Report		Monthly		9/27/02	Condition Satisfied
120	5 - Paleontological Resources	DENA/PRS	CPM	Maintain copies of signed contracts or agreements with paleontological resource specialist who will ensure necessary data, fossil recovery, mapping preparation for analysis, identification and inventory of all significant paleontological resource material	Maintain for 3-yrs after completion of report		Maintain for 3-yrs after completion of report		9/27/02	Condition Satisfied

* Per CPM Stone, the status of a condition is either: remains in compliance, condition satisfied, more info required, not in compliance, not required or ongoing. Any format (e.g, email, fax, letter) can be used to convey status.

	Tech Area/ Condition No.	Lead Party/ Support Party	Recipient	Submittal/Action	Date Submittal Required	Notes	Schedule Date Required	Actual Submittal Date	Actual Date CPM/CBO Approved	Compliance Status*
121	6 - Paleontological Resources	PRS	DENA	a) Prepare paleontological resource report	Within 90 days following completion of analysis			11/18/02	12/19/02	Condition Satisfied
		DENA/PRS	CPM	b) Submit copy of paleontological resources report under cover letter stating it is a confidential document.	Within 90 days following completion of analysis			11/18/02	12/19/02	Condition Satisfied
		DENA/PRS	Curating Facility	c) Provide copy of approved paleontological resource report	15-days after CPM approval of report		As Needed		9/27/02	Condition Satisfied
		DENA	CPM	d) Letter stating copy of approved paleontological resources report has been transmitted to curation facility.	15-days after CPM approval of report		As Needed		9/27/02	Condition Satisfied
122	7 - Paleontological Resources	DENA/PRS	CPM	Include description of facility closure activity potential to impact paleontological resources	12 months prior to facility closure	See: Summary Statement of Paleo Resource Impacts in the Closure Plan	Prior to Closure	6/7/02	9/27/02	Condition Satisfied
123	1 - Soils & Water Resources	DENA/DFD	CBO/CPM	Submit for concurrent review and approval the proposed erosion and sediment control plan.	60 days prior to initiation of any earth moving activities		9/28/2000	8/1/00	12/19/02	Condition Satisfied
124	2 - Soils & Water Resources	DENA	CPM	a) Submit copy of National Pollutant Discharge Elimination System Permit from the Central Coast Regional Water Quality Control Board.	within 30 days following receipt of permit	Ref. 11/2/01 telephone call with CPM.		11/4/01	9/27/02	Condition Satisfied
		Station		b) Submit monitoring report in Annual Compliance Report	Annual Compliance Report		Annually			[Ongoing]
125	3 - Soils & Water Resources	Station	CPM	Submit copy of revised permits allowing discharge from new combined cycle units or notify no changes to permits were required.	60 days prior to commercial operation		4/1/02	5/15/02	9/27/02	Condition Satisfied
		Station		Submit copy of the annual monitoring report submitted to the Central Coast Regional Water Quality Control Board for Waste Discharge Requirements for Class 1 Wastewater Surface inpounds. Notify if any changes to and/or renewal of permits. Final Groundwater Monitoring Annual Report in July 1, 2018 - June 30, 2019 Report. Class 1 Surface Impoundments clean closed in 2018. DTSC issued Closure Certification Acknowledgement letter April 26, 2019.	Annual Compliance Report		Annually			Condition Satisfied

* Per CPM Stone, the status of a condition is either: remains in compliance, condition satisfied, more info required, not in compliance, not required or ongoing. Any format (e.g, email, fax, letter) can be used to convey status.

	Tech Area/ Condition No.	Lead Party/ Support Party	Recipient	Submittal/Action	Date Submittal Required	Notes	Schedule Date Required	Actual Submittal Date	Actual Date CPM/CBO Approved	Compliance Status*
126	4 - Soils & Water Resources	DENA	CPM	a) Submit for review and approval a draft study of extent and influence of thermal plume under varying conditions experienced at discharge.	Within 9 months of certification		8/28/01	8/28/01 4/30/02 5/13/02 7/16/02	9/27/02	Condition Satisfied
				b) Submit an approved final study plan	Within 12 months of certification	Informed CPM that Water Board plan approval is expected by the end of the year. Extension granted.	12/31/01	5/13/02	9/27/02	Condition Satisfied
		Station	CPM	c) Submit draft report that discusses results of thermal plume characterization and monitoring.	Within 6 months of the end of field sampling				8/2/05	Condition Satisfied
		Station	CPM	d) Submit an approved final report	Within 9 months from end of field sampling				8/2/05	Condition Satisfied
127	5 - Soils & Water Resources	DENA	CPM	Submit letter from Dept of Toxic Substances Control indicating that the site has been successfully remediated by PG&E or until Phase I & II Plans are reviewed and approved by CPM.	At least 30 days prior to start of construction		11/19/00	9/28/00 10/30/00 12/27/00 3/7/01 3/19/01 4/16/01 9/28/01 10/5/01 1/18/02	10/18/01 5/22/01 -- -- 5/22/01 5/22/01 5/23/02 9/27/02	Condition Satisfied
128	6 - Soils & Water Resources	DENA	CPM	Provide copy of agreement between project owner and Moss Landing Harbor District with respect to fair share of harbor dredging costs.	At least 30 days prior to commencing modifications on cooling water intake system			12/20/00	9/27/02	Condition Satisfied
129	1 - Waste Management	DENA/DFD	CPM	Notice of impending Waste Management enforcement action of owner, waste hauler, disposal facility or treatment operation.	within 10 days of becoming aware		As Needed		9/27/02	Condition Satisfied

* Per CPM Stone, the status of a condition is either: remains in compliance, condition satisfied, more info required, not in compliance, not required or ongoing. Any format (e.g, email, fax, letter) can be used to convey status.

	Tech Area/ Condition No.	Lead Party/ Support Party	Recipient	Submittal/Action	Date Submittal Required	Notes	Schedule Date Required	Actual Submittal Date	Actual Date CPM/CBO Approved	Compliance Status*
130	2 - Waste Management	DENA/DFD	CPM	a) Construction Waste Management Plan	30 days prior to start of construction		11/19/2000	9/29/00	9/27/02	Condition Satisfied
		Station	CPM	b) Operations Waste Management Plan	60 days prior to start of operations			5/17/02	9/27/02	Condition Satisfied
		Station	CPM	c) Required revisions to Waste Management Plans	within 15 days of notification of revision		As Needed			[Open]
		Station	CPM	d) Compare actual waste management methods used during year to planned management methods	Annual Compliance Report		Annually			[Ongoing]
131	3 - Waste Management	DENA/DFD	CPM	Notify if any substantive issues raised by environmental professional during soil sampling on site.	within 5 days of findings		As Needed		9/27/02	Condition Satisfied
132	4 - Waste Management	Station	CPM	Report disposition of any silt or dredge material removed to disposal facility approved by Cal. Dept. of Toxic Substances Control or Regional Water Quality Control Board.	Annual Compliance Report		Annually			[Ongoing]
133	1 - Land Use	Station	CPM	a) Provide a public access easement over a portion of the project's outfall to Monterey County. REVISED: Provide public access over a portion of outfall structure		Petition for Modification of Condition approved by CEC 11/6/02		7/15/04	8/2/05	Condition Satisfied
				b) Deliver a check for $100,000 to CEC to be placed in special account for planning, design and construction of the boardwalk. REVISED: Design, construct and maintain for life of power plant a boardwalk.		Petition for Modification of Condition approved by CEC 11/6/02		7/15/04	8/2/05	Condition Satisfied

* Per CPM Stone, the status of a condition is either: remains in compliance, condition satisfied, more info required, not in compliance, not required or ongoing. Any format (e.g, email, fax, letter) can be used to convey status.

	Tech Area/ Condition No.	Lead Party/ Support Party	Recipient	Submittal/Action	Date Submittal Required	Notes	Schedule Date Required	Actual Submittal Date	Actual Date CPM/CBO Approved	Compliance Status*
134	2 - Land Use	DENA	CPM/Elkhorn Slough Foundation/Cal. Coastal Commission	a) Meet with Elkhorn Slough Foundation and California Coastal Commission to agree on scope of and principal investigator for environmental assessment.		Date required changed per 1/25/01 telephone call with CPM. See MOU.		10/8/02	10/17/02	Condition Satisfied
				b) Deliver check for $60,000 to CEC for the environmental assessment. Environmental assessment not to take more than 6 months to complete.		Date required changed per 1/25/01 telephone call with CPM. See MOU.		10/8/02	10/17/02	Condition Satisfied
		Station		c) Meet to discuss results of environmental assessment or select alternate coastal access program to receive $250,000 check.	60 days after completion of environmental assessment	See condition		12/28/07	12/18/07	Condition Satisfied
		Station		d) Deliver interest accrued on $250,000 endowment since start of project construction to CEC.	Within 30 days of final meeting	See condition		12/28/07	12/18/07	Condition Satisfied
135	3 - Land Use	DENA	Monterey Co./CPM	Provide Monterey County with offer to dedicate a public access easement for proposed trail identified in the North County Land Use Plan with copy forwarded to CPM.	90 days after start of construction	Additional info required. Resubmitted.		4/12/01 7/4/02	9/27/02	Condition Satisfied
136	4 - Land Use	DENA	CPM	Submit written evidence of compliance, and evidence of review by county, with parking standards established in Monterey County Zoning Ordinance Title 20, Chapter 20.58.	30 days prior to start of construction of any permanent parking	There will be no permanent parking			9/27/02	Condition Satisfied
137	5 - Land Use	DENA	CPM	a) Submit evidence that any temporary signs to be used conform to Monterey County Zoning Ordinance Title 20, Chapter 20.60. Include evidence of review and acceptance by Monterey Co.		CPM waived Mty. Co. review of temporary signage	9/30/2000	10-24-00	9/27/02	Condition Satisfied
				b) Notify in writing that all temporary signs have been removed.	15 days after completion of construction		7/15/2002	11/5/02	12/19/02 3/14/03	Condition Satisfied
138	6 - Land Use	DENA	CPM	Submit evidence that public access parking on the Duke-owned lot located between Sandholt Road and the Mtry Bay shoreline has been installed and approved by Monterey County	30 days prior to COD	Photo of parking lot required to be submitted.		1/21/03 3/3/03	6/11/03	Condition Satisfied

* Per CPM Stone, the status of a condition is either: remains in compliance, condition satisfied, more info required, not in compliance, not required or ongoing. Any format (e.g, email, fax, letter) can be used to convey status.

	Tech Area/ Condition No.	Lead Party/ Support Party	Recipient	Submittal/Action	Date Submittal Required	Notes	Schedule Date Required	Actual Submittal Date	Actual Date CPM/CBO Approved	Compliance Status*
139	1 - Noise	DENA	CPM	Include statement in first monthly compliance report attesting that all residents within 1/2 mile radius were notified of commencement of construction, and that a 24-hour notification number has been established and is visibly accessible to public.	15 days prior to start of rough grading	Telephone number shall be maintained until project has been operational for at least one year. Sign may be removed 7/11/03.	11/13/2000	10/24/00	9/27/02 3/14/03	Condition Satisfied
140	2 - Noise	Station	CPM/ Monterey Co. Dept. of Health, Div. Of Env. Health	File copy of noise complaint resolution form	Within 30 days of receiving noise complaint		Ongoing	1/5/01	9/27/02	[Open]
141	3 - Noise	DENA/DFD	CPM	Submit noise control program which complies with OSHA and Cal-OSHA standards.	30 days prior to start of rough grading	Make program available to OSHA upon request	10/28/2000	9/29/00 10/23/00	9/27/02	Condition Satisfied
142	4 - Noise	DENA/DFD	CPM	a) Submit drawings or information describing high-pressure steam blow steam-blow silencer and noise levels expected and a description of the steam blow schedule	15 days prior to first high-pressure steam blow		3/10/02	3/8/02	9/27/02	Condition Satisfied
				b) Submit drawings or information describing low-pressure continuous steam blow process, noise levels and project time schedule for execution of process	15 days prior to any low-pressure continuous steam blow		3/10/02	3/8/02	3/14/03	Condition Satisfied
143	5 - Noise	DENA	CPM	a) In an appropriate manner, notify all residents within 1/2 mile of site and other area residents of steam-blowing schedule and pertinent information	15 days prior to steam blowing		3/15/02	3/7/02	9/27/02	Condition Satisfied
				b) Send letter to CPM confirming notification of residents.	Within 5 days of notification			3/8/02	9/27/02	Condition Satisfied
144	6 - Noise	DENA		a) Conduct 25-hour community noise survey	Within 30 days of 80% output		7/24/02	7/24/02	9/27/02	Condition Satisfied
			CPM/Monterey Co. Dept. of Health, Div. Of Env. Health	b) Submit summary of 25-hour community noise survey	Within 30 days of completion of survey			8/28/02	9/27/02	Condition Satisfied
			CPM	c) Submit summary of new noise survey taken after implementation of any additional mitigation measures required to correct excess noise levels found during 25-hour+E74 noise survey	Within 30 days of completion of corrective action				9/27/02	Condition Satisfied
145	7 - Noise	DENA		a) Survey noise hazardous areas in facility to determine magnitude of employee noise exposure and mitigation measures, if necessary	Within 30 days of full operation			8/28/02	9/10/02	Condition Satisfied

* Per CPM Stone, the status of a condition is either: remains in compliance, condition satisfied, more info required, not in compliance, not required or ongoing. Any format (e.g, email, fax, letter) can be used to convey status.

Tech Area/ Condition No.	Lead Party/ Support Party	Recipient	Submittal/Action	Date Submittal Required	Notes	Schedule Date Required	Actual Submittal Date	Actual Date CPM/CBO Approved	Compliance Status*
		CPM	b) Submit employee noise survey report	Within 30 days after completing survey	Make program available to OSHA and Cal-OSHA upon request		10/9/02	10/22/02	Condition Satisfied

* Per CPM Stone, the status of a condition is either: remains in compliance, condition satisfied, more info required, not in compliance, not required or ongoing. Any format (e.g, email, fax, letter) can be used to convey status.

	Tech Area/ Condition No.	Lead Party/ Support Party	Recipient	Submittal/Action	Date Submittal Required	Notes	Schedule Date Required	Actual Submittal Date	Actual Date CPM/CBO Approved	Compliance Status*
146	8 - Noise	DENA/DFD	CPM	Statement in first monthly compliance report acknowledging restricted work hours for noisy construction work and high-pressure steam blows	First monthly compliance report		12/10/2000	1/10/01	9/27/02	Condition Satisfied
147	1 - Socioeconomic Resources	DENA/DFD	CPM	a) Submit copies of contractor, subcontractor and vendor solicitations and guidelines stating hiring and procurement requirements and procedures	At least 60 days prior to start of construction	Less than 60 days if mutually agreed	9/19/2000	8/1/00	9/27/02	Condition Satisfied
				b) Report reasons for planned procurement or hiring outside of local regional area during next 2 months	Monthly Compliance Report		Monthly		9/27/02	Condition Satisfied
148	1 - Traffic and Transportation	DENA/DFD	CPM	Submit copies of oversize and overweight transportation permits received during reporting period.	Monthly Compliance Report	Permits and supporting documents to be retained for 6 months.	Monthly		9/27/02	Condition Satisfied
149	2 - Traffic and Transportation	DENA	CPM	Submit copies of Caltrans and Monterey County encroachment permits received during reporting period.	Monthly Compliance Report	Permits and supporting documents to be retained for 6 months.	Monthly		9/27/02	Condition Satisfied
150	3 - Traffic and Transportation	DENA/DFD	CPM/Monterey Co.	a) Copies of permits and licenses acquired by owner or subcontractors concerning transport of hazardous substances	Monthly Compliance Report				9/27/02	Condition Satisfied
				b) If CPUC, Caltrans, CHP and Monterey Co. determine that a plan to manage traffic at the at-grade crossings of rail spur is necessary, submit copy of plan.	30 days prior to shipment of hazardous material				9/27/02	Condition Satisfied
151	4 - Traffic and Transportation	DENA	CPM	a) Obtain letter of satisfaction with road improvements from County of Monterey	Within 30 days of construction completion		8/1/2002	12/9/02	1/7/03	Condition Satisfied
				b) Photograph Dolan Road from State Rt 1 to Castroville Blvd	Prior to start of construction	Photographing completed				
152	5 - Traffic and Transportation	DENA	CPM	During construction, CPM will periodically observe conditions in field to verify project-related parking is occurring on-site	Periodically		Ongoing		9/27/02	Condition Satisfied
153	6 - Traffic and Transportation	DENA/DFD	CPM	a) Roadway improvements have been completed and are ready for inspection	30 days of reaching 400 day shift workers staff		5/17/01	5/16/01	9/27/02	Condition Satisfied
				b) Report each completed physical roadway improvement	Monthly Compliance Report		Monthly		9/27/02	Condition Satisfied
154	7 - Traffic and Transportation	DENA	CPM	Notify that roadway improvements have been completed.	Prior to 60th day after start of construction		2/19/2001	2/19/01	9/27/02	Condition Satisfied

* Per CPM Stone, the status of a condition is either: remains in compliance, condition satisfied, more info required, not in compliance, not required or ongoing. Any format (e.g, email, fax, letter) can be used to convey status.

	Tech Area/ Condition No.	Lead Party/ Support Party	Recipient	Submittal/Action	Date Submittal Required	Notes	Schedule Date Required	Actual Submittal Date	Actual Date CPM/CBO Approved	Compliance Status*
155	8 - Traffic and Transportation	DENA	CPM	Report on status of each of the travel demand management strategy elements.	Monthly/Annual Compliance Report	CPM will periodically review and verify compliance with strategies.	Monthly /Annually		9/27/02	Condition Satisfied
	9 - Traffic and Transportation					The CEC has deleted this condition				Condition Satisfied
156	10 - Traffic and Transportation	DENA	CPM	Submit evidence that county has been paid to implement improvements at three intersections	Within 30 days after start of construction		1/19/2001	1/19/01	11/19/02	Condition Satisfied
157	11 - Traffic and Transportation	DENA	CPM	Submit written verification that SR1 corridor dedication has occurred	Prior to start of project construction	Additional info was required. Resubmitted.		4/12/01 7/5/02	9/10/02 9/27/02	Condition Satisfied
158	1 - Visual Resources	DENA/DFD	Monterey County	a) Submit proposed color treatment plan for review and comment	Prior to submission to CPM	Approved by county 3/5/01		7/5/01	9/27/02	Condition Satisfied
			CPM	b) Submit proposed color treatment plan for review and approval with verification of agreement of color scheme by Monterey County.	90 days prior to any field coating of structures		7/3/01	7/5/01	9/27/02	Condition Satisfied
				c) Notify color treated structures are ready for inspection.	30 days prior to commercial operation			5/20/02	9/27/02	Condition Satisfied
		Station	CPM	d) Provide status report regarding treatment maintenance.	Annual Compliance Report	Treatment maintenance is for life of project	Annually			[Ongoing]
159	2 - Visual Resources	DENA/DFD	Monterey County	a) Submit permanent fencing specifications for review and comment	Prior to submission to CPM	Perimeter fencing already established.		3/3/03	4/15/03	Condition Satisfied
			CPM	b) Submit fencing specifications for review and approval, with verification of acceptance by Monterey County	90 days prior to installation of any permanent fencing	Perimeter fencing already established.		3/3/03	4/15/03	Condition Satisfied
				c) Submit revisions to permanent fencing specifications	Within 15 days of revision notification	Perimeter fencing already established.		3/3/03	4/15/03	Condition Satisfied
				d) Notify fencing installation completed.	Within 7 days after completion	Perimeter fencing already established.		3/3/03	4/15/03	Condition Satisfied

* Per CPM Stone, the status of a condition is either: remains in compliance, condition satisfied, more info required, not in compliance, not required or ongoing. Any format (e.g, email, fax, letter) can be used to convey status.

	Tech Area/ Condition No.	Lead Party/ Support Party	Recipient	Submittal/Action	Date Submittal Required	Notes	Schedule Date Required	Actual Submittal Date	Actual Date CPM/CBO Approved	Compliance Status*
160	3 - Visual Resources	DFD	CPM	a) Submit exterior lighting plan for review and approval	At least 60 days prior to installation	CPM will notify of approval within 15 days of receipt. CPM approved change of verification date.	4/13/01	3/27/01	9/27/02	Condition Satisfied
				b) Notify exterior lighting installation completed and ready for inspection	Within 7 days after completion			4/5/02	9/27/02	Condition Satisfied
161	4 - Visual Resources	DENA	Monterey County	a) Planting plan submitted to Monterey County for review and comment	90 days prior to the start of commercial operation			6/19/02	9/27/02	Condition Satisfied
			CPM	b) Planting plan submitted to CPM for review and approval.	90 days prior to the start of commercial operation	CPM will notify of approval within 15 days of receipt of plan		6/19/02	9/27/02	Condition Satisfied
			CPM	c) Notify that planting is ready for inspection.	Monthly Report following completion of planting			9/19/02	9/27/02	Condition Satisfied

* Per CPM Stone, the status of a condition is either: remains in compliance, condition satisfied, more info required, not in compliance, not required or ongoing. Any format (e.g, email, fax, letter) can be used to convey status.

Contents of Files

Tech Area/ Condition No.	Contents of File
1 - General Requirements	Proof of mailing Submittal letter to CPM, d. 6/21/02 CBO's temporary Cert. Of Occ., d. 6/13/02 Submittal letter to CPM, d. 7/8/02 DFD's engineers statements of verification Submittal letter to CPM, d. 7/29/02 Responsible engineers statement, d. 7/16/02 CEC letter, d. 9/27/02, re status Punchlist accompanying Cert. of Occupancy Final Certificate of Occupany, d. 4/25/03 CBO letter, d. 4/23/03, re final fire items CONDITION SATISFIED, d. 5/1/03
2 - General Requirements	Submittal letter to CPM, d. 8/1/00, with Master Spec.& Drawing Lists Email from CPM, d. 8/24/00, approval Transmittal DFD to CBO, d. 9/15/00 CBO letter, d. 10/7/00, approval CBO letter, d. 10/20/00, approval CBO letter, d. 10/7/00 re master drawing list CONDITION SATISFIED, d. 9/27/02
3 - General Requirements	CBO letter, d. 12/5/00, review of payment CBO letter, d. 1/7/01, review of payments CBO letter, d. 2/6/01, review of payments CBO letter, d. 3/6/01, review of payments CBO letter, d. 4/9/01, review of payments CBO letter, d. 5/5/01, review of payments CBO letter, d. 6/6/01, review of payments CBO letter, d. 7/6/01, review of payments CBO letter, d. 8/3/01, review of payments CBO letter, d. 9/6/01, review of payments CBO letter, d. 10/8/01, review of payments CBO letter, d. 11/5/01, review of payments CBO letter, d. 12/5/01, review of payments CBO letter, d. 1/0/02, review of payments CBO letter, d. 2/6/02, review of payments CBO letter, d. 3/11/02, review of payments CBO letter, d. 4/8/02 re review of payments CBO letter, d. 5/8/02, review of payments CBO letter, d. 6/7/02, review of payments CBO letter, d/ 7/5/02, review of payments CBO letter, d. 8/8/02, review of payments CEC letter, d. 9/27/02, re status CBO letter, d. 4/15/03, re final payment Submittal letter to CEC, d. 4/21/03 CONDITION SATISFIED, d. 5/1/03 CONDITION SATISFIED, d. 5/7/03
4 - General Requirements	Transmittal DFD to CBO, d. 9/26/00 CBO letter, d. 9/29/00, approval CONDITION SATISFIED, d. 9/27/02
5 - General Requirements	Transmittal DFD to CBO, d. 911/00 CBO letter, d. 9/25/00 review eng. Resumes List of registered engineers, d. 9/13/00 CONDITION SATISFIED, d. 9/27/02
6 - General Requirements	CBO letter, d. 12/5/00 CBO letter, d. 12/16/00 re pile inspectors CBO letter, d. 12/19/00 re Matteucci (piles) CBO letter, d. 1/14/00[01] re Signet CBO letter, d. 2/9/01 re. Signet Testing CONDITION SATISFIED, d. 9/27/02
7 - General Requirements	Letter to CBO re MCR2, d. 1/9/01 Letter to CBO re MCR1, 12/11/00 Letter to CBO re MCR3, d. 2/8/01 Letter to CBO re MCR4, d. 3/8/01 Proofs of mailing Letter to CBO re MCR6, d. 5/9/01 Letter to CBO re MCR7, d. 6/11/01 Letter to CBO re MCR8, d. 7/10/01 Letter to CBO re MCR9, d. 8/9/01 Letter to CBO re MCR5 d. 4/9/01 Letter to CBO re MCR10, d. 9/10/01 Letter to CBO re MCR11, d. 10/9/01 Letter to CBO re MCR12, d. 11/13/01 Letter to CBO re MCR13, d. 12/11/01 Letter to CBO re MCR14, d. 1/10/02 Letter to CBO re MCR15, d. 2/11/02 Letter to CBO re MCR 16, d. 3/11/02 Letter to CBO re MCR 17, d. 4/10/02 Letter to CBO re MCR 18, d. 5/10/02 Letter to CBO re MCR 19, d. 6/11/02 Letter to CBO re MCR 20, d. 7/10/02 Letter to CBO re MCR 21, d. 8/13/02 CONDITION SATISFIED, d. 9/27/02

Contents of Files

Tech Area/ Condition No.	Contents of File
8 - General Requirements	Submittal letter to CEC, d. 4/21/03 Proof of mailing DFD's letter, d. 4/15/03 re GEN-8 CONDITION SATISFIED, d. 5/7/03
9 - General Requirements	Note to file re. Turnover status
1 - Civil Features	Statement, d. 11/30/00 CBO letter, d. 10/29/00, approval site plans CBO letter, d. 10/7/00, review grading plans CBO letter, d. 11/17/00, approval soils report CBO letter, d. 11/14/00, erosion control plans CBO letter, d. 11/17/00, review soils report CBO letter, d. 11/11/00, soils report Transmittal DFD to CBO, d. 9/21/00 CBO letter, d. 11/10/00 re main pipeway CBO letter, d. 11/10/00 re pile locations CBO approval, d. 12/7/00 re rev. site prep CBO approval, d. 12/6/00 re pile locations CBO letter, d. 12/7/00 re warehouse site prep CBO approval, d. 12/7/00 re erosion control CBO letter, d. 12/19/00 re HRSG laydown CBO letter, d. 2/8/01 re pile schedule CBO letter, d. 3/8/01 re excavation specs CBO letter, d. 3/20/01 re CW drawings CBO letter, d. 3/26/01 re CW system CBO approval, d. 4/21/01 re rev. pile locations CBO letter, d. 4/24/01 re final grading plans CBO approval, d. 5/8/01 re piles/foundations CBO approval, d. 4/18/01 re final grading plan CBO approval, d. 5/21/01 re rev CW system CBO letter, d. 6/19/01 re const. trailers CBO letter, d. 7/10/01 re finish grading plans CBO approval, d. 7/16/01 re pile/foundation CBO approval, d. 7/23/01 re finish grade/pave CBO approval, d. 8/3/01 re HRSG stack arr. CBO approval, d. 9/17/01 re fencing details CBO approval, d. 9/17/01 re civil general CBO approval, d. 11/28/01 re catch basin etc CBO approval, d. 12/14/01 re fence/finish CBO letter, d. 6/28/01 re CW revised drw'ings CBO approval, d. 5/30/02, re finish grade/pave CBO approval, d. 6/26/02 re finish grade/pave CBO approval, d. 8/26/02 re finish grade/pave CBO approval, d. 11/21/02 re as-builts CONDITION SATISFIED, d. 9/27/02
2 - Civil Features	CONDITION SATISFIED, d. 9/27/02
3 - Civil Features	Submittal letter to CPM, d. 2/2/01 NCR 001, d. 1/23/01 Proofs of mailing Submittal letter to CPM, d. 2/15/01 Resolved NCR 001 CONDITION SATISFIED, d. 9/27/02
4 - Civil Features	Proof of mailing Submittal letter to CPM, d. 9/6/02 Statement of Civil Engineer, d. 8/26/02 CONDITION SATISFIED, d. 10/17/02
1 - Structure Features	Submittal letter to CPM, d. 9/27/00, with statement Transmittals, DFD to CBO, d. 9/14/00 Transmittals DFD to CBO, d. 12/27/00 Transmittal DFD to CBO, d. 9/27/00 Transmittal DFD to CBO, d. 9/26/00 Transmittal DFD to CBO, d. 12/28/00 Transmittal DFD to CBO, d. 12/28/00 Transmittal DFD to CBO, d. 12/27/00 Transmittal DFD to CBO, d. 10/13/00 Transmittal DFD to CBO, d. 10/13/00 Transmittal DFD to CBO, d. 10/13/00 Submittal letter to CPM, d. 10/9/00, with statement Proofs of mailing CBO letter, d. 9/26/00 re standard struc specs. CBO letter, d. 11/26/00, standard struc. Specs. CBO letter, d. 11/20/00, PEECC & Acc. Module CBO letter, d. 11/14/00, single pile calcs. & drawings CBO letter, d. 10/31/00, review single pile calcs. CBO letter, d. 10/20/00 re. Auger piles CBO letter, d. 10/10/00, standard struc. Specs. CBO letter, d. 10/10/00 re. Eng. St'mt. CBO letter, d. 10/10/00 re stand. Struc. Drw'gs CBO letter, d. 1/7/01 re pedestal & platforms CBO letter, d. 1/6/01 re. Calc's for foundation CBO letter, d. 1/19/01, re. Pedestal, platform,etc CBO letter, d. 1/17/01, re. Pipeway calc's CBO letter, d. 1/17/01, re. Main Pipeways CBO letter, d. 1/17/01, re. CTG, etc. Plat. Drw'gs

Contents of Files

Tech Area/ Condition No.	Contents of File
1 - Structure Features (cont.)	CBO letter, d. 1/17/01 re HRSG finger pipeway Transmittal DFD to CBO, d. 9/21/00 CBO letter, d.9/25/00 re HRSG Fab. Qualif. CBO letter, d. 10/20/00 re stan. Struc. Specs Transmittal DFD to CBO, d. 9/14/00 Transmittal DFD to CBO, d. 10/11/00 CBO letter, d. 10/31/00 re const. Trailers Transmittal DFD to CBO, d. 10/24/00 CBO letter, d. 11/3/00 re stan. Struc. Drw'gs. CBO letter, d. 11/9/00 re plan review Transmittal DFD to CBO, 11/10/00 CBO letter, d. 11/10/00 re plan review CBO letter, d. 11/11/00 re stack manuf. Transmittal DFD to CBO, d. 11/16/00 CBO letter, d. 11/20/00 re PEECC & acc mod CBO letter, d. 11/28/00 re ABB fab shop CBO letter, d. 11/29/00 re fab shops CBO letter, d. 1/1/00 re const. Trailers CBO letter, d. 12/4/00 re plan review Transmittal DFD to CBO, d. 12/04/00 Transmittal DFD to CBO, d. 12/7/00 Transmittal DFD to CBO, d. 12/8/00 Transmittal DFD to CBO, d. 12/12/00 CBO letter, d. 12/19/00 re concrete pile (rev) Transmittal DFD to CBO, d. 12/20/00 CBO letter, d. 12/21/00 re oily/clean sumps Transmittal DFD to CBO, d. 12/27/00 Transmittal DFD to CBO, d. 12/28/00 Transmittals DFD to CBO, d. 12/28/00 Transmittals DFD to CBO, d. 12/18/00 CBO letter, d. 1/3/01 re HRSG STG pipe fnds CBO letter, d. 1/6/01 re pile 1B rev. CBO letter, d. 1/7/01 re misc. foundations Transmittal DFD to CBO, d. 1/11/01 CBO letter, d. 1/12/01 re STG plat. Foundat'n CBO letter, d. 1/15/01 re No. STG plat. Rev. CBO letter, d. 1/15/01 re wash water sumps CBO letter, d. 1/17/01 re CTG PEECC+ dr. CBO letter, d. 1/17/01 re pipeway calcs. CBO letter, d. 1/17/01 re finger pipe calcs. CBO letter, d. 1/17/01 re main pipeways CBO letter, d. 1/18/01 re No. STG pipeway CBO letter, d. 1/19/01 re misc. foundations CBO letter, d. 1/22/01 re single wide found. CBO letter, d. 1/22/01 re double wide install. Transmittal DFD to CBO, d. 1/23/01 CBO letter, d. 1/23/01 re concrete specs. CBO letter, d. 1/24/01 re 4160V foundation CBO letter, d. 1/24/01 re concrete mix CBO letter, d. 1/30/01 re HRSG pipe revs. CBO letter, d. 1/30/01 re transformer found. CBO letter, d. 1/30/01 re cond & STG found. CBO letter, d. 2/2/01 re gen circuit breaker CBO letter, d. 2/6/01 re GE drawings CBO letter, d. 2/8/01 re plate heater exch. CBO letter, d. 2/9/01 re gen circuit breaker Transmittal DFD to CBO, d. 2/13/01 CBO letter, d. 2/19/01 re temp warehouse CBO letter, d. 2/21/01 re gen. Cir. Br. Struc. Transmittal DFD to CBO, d. 2/21/01 Transmittal DFD to CBO, d. 2/23/01 Transmittal DFD to CBO, d. 2/28/01 CBO letter, d. 2/28/01 re temp. storage CBO letter, d. 3/9/01 re cond. Ped. & STG pl. Transmittal DFD to CBO, d. 3/13/01 CBO letter, d. 3/21/01 re cond. Ped. Revs. Transmittal, DFD to CBO, d. 3/22/01 CBO letter, d. 3/22/01 re Unit & sl Gate gask CBO letter, d. 3/22/01 re STG pl. found. Plans CBO letter, d. 3/26/01 re slidegate drawings CBO letter, d. 3/26/01 re pipe support drwgs. CBO letter, d. 3/26/01 re STG pipe sup. Acc. Transmittal DFD to CBO, d. 3/30/01 CBO letter, d. 4/4/01 re Alstom drawings CBO letter, d. 4/6/01 re cable tray supports CBO letter, d. 4/9/01 re MC temp shoring CBO letter, d. 4/9/01 re drop pipe shoring CBO letter, d. 4/16/01 re drop pipe connec. CBO letter, d. 4/25/01 re blowdown silencer CBO letter, d. 4/25/01 re STG access CBO letter, d. 4/25/01 re platf. modifications

Contents of Files

Tech Area/ Condition No.	Contents of File
1 - Structure Features (cont.)	CBO letter, d. 4/27/01 re Ox. Scav. Found.
	CBO letter, d. 4/27/01 re STG access
	CBO letter, d. 4/27/01 re Un 1-5 modifications
	CBO letter, d. 4/27/01 re 4160V subst. Sec.
	CBO letter, d. 4/27/01 re 4160V roof
	CBO letter, d. 4/27/01 re air comp. Found.
	CBO letter, d. 5/1/01 re cofferdam support
	CBO letter, d. 5/2/01 re ammonia tank con.
	CBO letter, d. 5/2/01 re temp sh. Drop pipe
	CBO letter, d. 5/3/01 re screenwall struc.
	CBO letter, d. 5/3/01 re Un.1&2 tie-in drop bx
	CBO letter, d. 5/4/01 re temp. warehouse
	CBO letter, d. 5/7/01 re MFLD foundations
	CBO letter, d. 5/7/01 re mani. & ht ex founds.
	CBO letter, d. 5/7/01 re surge arrestor tank fn
	CBO letter, d. 5/7/01 re demin transfer pump
	CBO letter, d. 5/10/01 re Un 1&2 dis. Ch. Box
	CBO letter, d. 5/10/01 re demin pump, shelt.
	CBO letter, d. 5/10/01 re Un 7 intake struc.
	CBO letter, d. 5/10/01 re Un 6&7 drop tube
	CBO letter, d. 5/10/01 re closed loop found.
	CBO letter, d. 5/10/01 re phosphate inj. Skid
	CBO letter, d. 5/16/01 re UDP 318-SK1/SK2
	CBO letter, d. 5/21/01 re weld procedures
	CBO letter, d. 5/21/01 re CEMS system
	CBO letter, d. 5/22/01 re Screenwell struc.
	CBO letter, d. 5/22/01 re CO2/H2 manifolds
	CBO letter, d. 5/22/01 re Sodium Hypo. Sys.
	CBO letter, d. 5/22/01 re diseng. Box/channel
	CBO letter, d. 5/22/01 re pump pit/intake str.
	CBO letter, d. 5/22/01 re elec. Gr pump pit
	CBO letter, d. 5/23/01 re drop tube box cover
	CBO letter, d. 5/23/01 re misc pipe supports
	CBO letter, d. 5/23/01 re drop tube box cover
	CBO letter, d. 5/23/01 re modif. 1-5 Intake
	CBO letter, d. 5/23/01 re screen str. 1, 2, 3
	CBO letter, d. 5/30/01 re fire alarm/detection
	CBO letter, d. 5/31/01 re insp req for grouting
	CBO letter, d. 5/31/01 re grade beam change
	CBO letter, d. 6/6/01 re comp/trans foundat'n
	CBO letter, d. 6/8/01 re shoring of dis. Box
	CBO letter, d. 6/11/01 re atoms. Tank found.
	CBO letter , d. 6/11/01 re misc. pipe sup. Fnd
	CBO letter, d. 6/11/01 re 4160 cable supports
	CBO letter, d. 6/12/01 re Hilti fastner RFI
	CBO letter, d. 6/13/01 re 1-5 struc & screen.
	CBO letter, d. 6/13/01 re 1-5 intake struc.
	CBO letter, d. 6/13/01 re Unit 6 modifications
	CBO letter, d. 6/13/01 re misc. pipe supports
	CBO letter, d. 6/13/01 re 6/7 imp area modif.
	CBO letter, d. 6/13/01 re oily water sump
	CBO letter, d. 6/13/01 re Alston drawings
	CBO letter, d. 6/13/01 re misc. pipe supports
	CBO letter, d. 6/18/01 re STG pipe support
	CBO letter, d. 6/18/01 re oily water sump
	CBO letter, d. 6/18/01 re demin transfer pump
	CBO letter, d. 6/18/01 re misc. pipe supports
	CBO letter, d. 6/18/01 re misc. pipe supports
	CBO letter, d. 6/19/01 re intake struc modif's
	CBO letter, d. 6/19/01 re Brackettgreen drwg
	CBO letter, d. 6/22/01 re 4160 cable support
	CBO letter, d. 6/22/01 re BFW valve access
	CBO letter, d. 6/23/01 re FPI water screen
	CBO letter, d. 6/29/01 re Brackett Gr. Drwgs
	CBO letter, d. 6/29/01 re blowdown supports
	CBO letter, d. 6/29/01 re Unit 6 slide gate
	CBO letter, d. 6/5/01 re BFW valve access pl.
	CBO letter, d. 7/2/01 re 6/7 imp. Area modif.
	CBO letter, d. 7/5/01 re ammonia inj. Skid
	CBO letter, d. 7/5/01 re phos inj & am/ox skid
	CBO letter d. 7/5/01 re fuel gas skid
	CBO letter d. 7/6/01 re demin water tank
	CBO letter, d. 7/9/01 re misc pipe supports
	CBO letter, d. 7/9/01 re CO2/H2 manif. Supp.
	CBO letter, d. 7/9/01 re foundation embeds
	CBO letter, d. 7/9/01 re phos. Injection skid
	CBO letter, d. 7/9/01 re oily water sump
	CBO letter, d. 7/9/01 re intake modifications
	CBO letter, d. am/ox scavanger skid
	CBO letter, d. 7/13/01 re GE air inlet duct/sup

Contents of Files

Tech Area/ Condition No.	Contents of File
1 - Structure Feature (cont.)	CBO letter, d. 7/13/01 re GE drawings CBO letter, d. 7/13/01 re GE calcs/drawings CBO letter, d. 7/16/01 re GTG area equip. CBO letter, d. 7/16/01 re 6/7 cond. Water bx CBO letter, d. 7/16/01 re screenwell struc. CBO letter, d. 7/16/01 re Alstom drawings CBO letter, d. 7/19/01 re main pipeways CBO letter, d. 7/23/01 re disen. Box/channel CBO letter, d. 7/23/01 re Cisco drawings CBO letter, d. 7/23/01 re screenwell mods. CBO letter, d. 7/23/01 re mods to 1-5 intake CBO letter, d. 7/23/01 re misc. foundations CBO letter, d. 7/31/01 re HRSG joint repair CBO letter, d. 7/31/01 re STG pipe support CBO letter, d. 8/1/01 re elec tray foundations CBO letter, d. 8/1/01 re elec tray foundations CBO letter, d. 8/12/01 re pipe supports CBO letter, d. 8/12/01 re intake struc. Mod. CBO letter, d. 8/12/01 re screenwell modif. CBO letter, d. 8/12/01 re screenwell modif. CBO letter, d. 8/12/01 re dis. Box/channel CBO letter, d. 8/12/01 re channel vent supp. CBO letter, d. 8/12/01 re intake struc. Mod. CBO letter, d. 8/12/01 re intake struc. Mod. CBO letter, d. 8/12/01 re platform to gen. CBO letter, d. 8/27/01 re steam surface con. CBO letter, d. 8/29/01 re LP feed water struc. CBO letter, d. 8/29/01 re intake channel vent CBO letter, d. 8/29/01 re intake struc. Sup. CBO letter, d. 9/4/01 re instake struc. Mod. CBO letter, d. 7/31/01 re STG pipe sup (rev) CBO letter, d. 9/4/01 re misc pipe supports CBO letter, d. 9/4/01 re Unit 4 screenwell CBO letter, d. 9/6/01 re main pipeway CBO letter, d. 9/6/01 re dis. Box/channel CBO letter, d. 9/18/01 re misc. platforms CBO letter, d. 9/21/01 re PDC steel support CBO letter, d. 9/21/01 re pipeway access CBO letter, d. 9/21/01 re dis box/channel CBO letter, d. 9/27/01 re demin water tank CBO letter, d. 10/1/01 re forming & embed CBO letter, d. 10/1/01 re dis box/channel CBO letter, d. 10/1/01 re PDC steel support CBO letter, d. 10/11/01 re fuel gas skid CBO letter, d.l 10/11/01 re elec tray supports CBO letter, d. 10/11/01 re intake struc. Mod. CBO letter, d. 10/15/01 re misc. pipe support CBO letter, d. 10/18/01 re GTE forming/emb CBO letter, d. 10/19/01 re riser plug for RCP CBO letter, d. 10/24/01 re fire alarm & protec CBO letter, d. 10/31/01 re closed loop pump CBO letter, d. 10/31/01 re drop box cover CBO letter, d. 11/9/01 re valve access platfr. CBO letter, d. 11/16/01 re transform'r firewall CBO letter, d. 11/16/01 re valve access platfr. CBO letter, d. 12/7/01 re fire alarm & protec. CBO letter, d. 12/12/01 re chem lab building CBO letter, d. 1/3/02 re fire alarm/protection CBO letter, d. 1/14/02 re HRSG rail heights CBO letter, d. 2/7/02 re rail height exemption CBO letter, d. 3/6/02 re waiver of handicapped CBO letter, d. 3/19/02 re fire alarm/protection CBO letter, d. 6/18/02 re report analyze bldg CBO letter, d. 6/18/02 re Alston Jib Crane CBO letter, d. 6/25/02 re chemical building CBO letter, d. 7/2/02 re platform valve access CBO letter, d. 7/26/02 re chemical building CBO letter, d. 8/5/02 re as built architectural CBO letter, d. 9/9/02 re approval of prefabs… CBO letter, d. 10/28/02 re access platforms CBO letter, d. 11/11/02 re as built conduit CBO letter, d. 11/12/02 re 4160 as builts CEC email, d. 5/6/03 re redundant submittals CONDITION SATISFIED, d. 7/1/03
2 - Structure Features	Submittal letter to CBO(cc CPM), d. 8/27/01 NCR No. 002 Accompanying drawing to NCR Proofs of mailing Submittal letter to CBO(cc CPM), d. 9/10/01 NCR No. 2 resolution Attachment to NCR 2

Contents of Files

Tech Area/ Condition No.	Contents of File
2 - Structure Features (cont.)	Submittal letter to CBO, d. 9/27/01 CBO letter, d. 9/6/01
3 - Structure Features	Submittal letter to CPM, 1/15/01 Transmittals to CBO re revisions, var. dates CBO letter, d. 1/18/01 re rev. to N. STG pipeway CBO letter, d. 1/3/01 re rev. to HRSG, STG, pipe CBO letter, d. 1/15/01 re rev. to N. STG pipeway Submittal letter to CPM, d. 2/16/01 Transmittals to CBO re revisions, var. dates Proofs of mailing Submittal letter to CPM, d. 3/19/01 Transmittal to CBO re revisions, var. dates Submittal letter to CPM, d. 4/19/01 Transmittals to CBO re revisions, var. dates Submittal letter to CPM, d. 5/22/01 Transmittals to CBO re revisions, var. dates Sumbittal letter to CPM, d. 6/20/02 Transmittals to CBO re revisions, var. dates Submittal letter to CPM , d. 7/17/01 Transmittals to CBO re revisions, var. dates Transmittals to CBO re revisions, var. dates Submittal letter to CBO, d. 10/17/01 Transmittals to CBO, re revisions, var. dates Submittal letter to CPM, d. 11/27/01 Transmittals to CBO re revisions, var. dates Submittal letter to CPM, d. 9/25/01 Transmittals to CBO re Sept revisions Submittal letter to CPM, d. 12/18/01 Transmittals to CBO re Dec. revisions
4 - Structure Features	CONDITION SATISFIED, d. 9/27/02
1 - Mechanical Systems	CBO approval, d. 3/21/01 re acid tanks CBO letter, d. 3/29/01 re CW drop pipes CBO letter, d. 4/25/01 re piping & instr. Diag. CBO letter, d. 5/24/01 re pipe stress analysis CBO approval, d. 6/11/01 re main pipeways CBO approval, d. 7/5/01 re gas boosters CBO letter, d. 7/5/01 re heatless dryer CBO letter, d. 7/5/01 re demin water tr. Pump CBO letter, d. 7/5/01 re BFW pumps CBO letter, d. 7/5/01 re surface condenser CBO letter, d. 7/5/01 re plant air compressors CBO letter, d. 7/12/01 re UG conduit plan CBO letter, d. 7/19/01 re piping iso firewater CBO approval, d. 7/26/01 re UG conduit & gr. CBO approval, d. 8/6/01 re Baker/blowd'n tks. CBO approval, d. 8/6/01 re Flowserve dwg CBO letter, d. 8/9/01 re CW Hitachi & Ing-Dr CBO approval, d. 8/15/01 re pipe stress analy CBO letter, d. 8/15/01 re pipe iso firewater In. CBO approval, d. 9/7/01 re UG conduit plan CBO approval, d. 9/13/01 re UG conduit plan CBO approval, d. 10/11/01 re deaerating cond CBO approval, d. 10/17/01 re FPI water scr'n CBO approval, d. 10/31/01 re terminal box CBO letter, d. 1/30/01 re standard drawings CBO letter, d. 9/17/02 re phos inject system CBO letter, d. 4/15/02 re hydrogen tank farm CBO letter, d. 5/18/01 re UG conduit CBO letter, d. 5/18/01 re Un. 7 pump change CBO letter, d. 5/18/01 re UG conduit plan CBO letter, d. 4/13/01 re UG plan CBO letter, d. 4/13/01 re UG plan Transmittal DFD to CBO, d. 3/7/01 DFD letter, d. 2/19/01 re CEC requirement Transmittal DFD to CBO, d. 1/24/01 Note to file CONDITION SATISFIED, d. 9/27/02
2 - Mechanical Systems	Transmittal DFD to CBO, d. 1/5/01 CBO letter, d. 1/30/01 re standard drawings Transmittal DFD to CBO, d. 3/5/01 Note to file CONDITION SATISFIED, d. 9/27/02
3 - Mechanical Systems	CONDITION SATISFIED, d. 9/27/02
4 - Mechanical Systems	CONDITION SATISFIED, d. 9/27/02
1 - Electrical Systems	Transmittal DFD to CBO, d. 11/28/00, eng. Statement Transmittal DFD to CBO, d. 9/26/00, standard draw. DFD statement (stamped), d. 11/28/00, design plans CBO letter, d. 10/20/00, review elec. Specs. CBO letter, d. 12/5/00 CBO letter, d. 12/12/00 CBO letter, d. 12/5/00 re engineer's statement

Contents of Files

Tech Area/ Condition No.	Contents of File
1 - Electrical Systems (cont.)	CBO letter, d. 12/22/00 re elec on-line diagrams CBO letter, d. 1/10/01 re elec on-line diagrams CBO letter, d. 1/16/01 re 4160 substation CBO letter, d. 1/26/01 re CW intake struc. CBO letter, d. 2/9/01 re elec. Grounding plan CBO letter, d. 2/22/01 re UG conduit CBO letter, d. 2/22/01 re UG conduit review CBO letter, d. 5/18/01 re UG conduit ELEC2 CBO letter, d. 5/18/01 re UG conduit review CBO letter, d. 5/22/01 re CW One-Lines CBO letter, d. 12/8/00 re elec one line diag CBO letter, d. 12/5/00 re engineer statement Transmittal DFD to CBO, d 10/13/00 re install CBO approval, d. 1/10/00 re elec grounding CBO approval, d. 1/10/01 re elec one-line diag CBO letter, d. 1/26/01, re 230Dv yards/lines CBO letter, d. 2/22/01 re meter/relay diagram Transmittal DFD to CBO, d. 3/6/01 CBO approval, d. 4/13/01 re elec assemblies CBO approval, d. 4/13/01 re grounding plan CBO approval, d. 4/13/01 re one-line diagram CBO approval, d. 4/13/01 re classification CBO approval, d. 5/18/01 re UG con. Changes CBO approval, d. 5/12/01 re control system CBO apporval, d. 5/22/01 re symbology table CBO approval, d. 5/22/01 re grounding intake CBO approval, d. 5/22/01 re grounding revs. CBO approval, d. 6/4/01 re 4160 revs. CBO approval, d. 6/23/01 re 4160 revs. CBO approval, d. 7/12/01 re design criteria CBO approval, d. 7/12/01 re control systems CBO approval, d. 7/12/01 re elec. Area class. CBO approval, d. 7/12/01 re CW one lines CBO approval, d. 7/12/01 re grounding plans CBO approval, d. 7/17/01 re 6/7 relay diagram CBO approval, d. 7/26/01 re elec classific. CBO approval, d. 8/1/01 re elec. Classification CBO approval, d. 8/7/01 re fire detection CBO approval, d. 8/8/01 re one-line diagram CBO approval, d. 8/24/01 re GE drawings CBO approval, d. 9/7/01 re elec power draw. CBO letter, d. 9/11/01 re firewalls CBO approval, d. 9/24/01 re elec control CBO approval, d. 10/18/01 re elec tray supp. CBO approval, d. 11/5/01 re GE air inlet duct CBO approval, d. 1/2/02 re elec install specs CBO approval, d. 1/2/02 re elec diagrams CBO approval, d. 1/2/02 re elec grounding CBO approval, d. 3/4/02 re elec classification CBO letter, d. 4/10/02, re temp elec drawings CBO letter, d. 6/13/02 re elec & conduit sch. CBO approval, d. 7/17/02 re elec & conduit CBO approval, d. 9/23/02 re elec, UG line CBO approval, d. 11/18/02 re wiring layout CONDITION SATISFIED, d. 9/27/02
2 - Electrical Systems	CBO letter, d. 1/16/01 re underground conduit CBO letter, d. 12/5/00 re engineer's statement Transmittal DFD to CBO, d. 12/27/00 Transmittal DFD to CBO, d. 12/21/00 Transmittal DFD to CBO, d. 12/27/00 CBO letter, d. 1/16/01 re elec system study CBO letter, d. 1/10/00[01] re elec grounding plan CBO letter, d. 1/10/20[01] re elec area classifi'n CONDITION SATISFIED, d. 9/27/02
1 - Transmission System Engineering	CPM email re change in verificat'n, d 4/26/01 Detailed Facilities Study, d. 5/26/00 Submittal letter to CPM, d. 5/3/01 Proof of mailing CBO's approval, d. 7/17/01 re yards & lines Submittal letter, d. 5/14/02 GIA Agreement, d. 4/22/02 CONDITION SATISFIED, d. 12/19/02
2 - Transmission System Engineering	CPM email re change in verificat'n, d 4/26/01 Note to file CONDITION SATISFIED, d. 9/27/02
3 - Transmission System Engineering	CPM email re change in verificat'n, d 4/26/01 Email memo from CEC (Bruins), d 4/22/02 Proof of mailing

Contents of Files

Tech Area/ Condition No.	Contents of File
3 - Transmission System Engineering (cont.)	Submittal letter to CPM, d. 6/21/02 TSE-3 Verification submittal DE&S letter to Held, d. 6/18/02 CONDITION SATISFIED, d. 12/19/02
4 - Transmission System Engineering	Letter to DFD re. New condition, d. 8/23/01 Submittal letter to CPM, d. 4/3/02 Proof of mailing Electronic notification of sync to grid, 4/5/02 CONDITION SATISFIED, d. 9/27/02
1 - Transmission Line Safety and Nuisance	Submittal letter to CPM, d. 9/4/02 Post-energization EMF Evaluation Proof of mailing CONDITION SATISFIED, d. 10/17/02
1 - Air Quality	Submittal letter to CPM, d. 3/13/02 Note to file re attachment Proofs of mailing CONDITION SATISFIED email from CPM, d. 5/10/02
2 - Air Quality	Submittal letter to CPM, d. 8/17/01 Proof of mailing Title V permit CPM approval letter & matrix, d. 3/5/02 CONDITION SATISFIED, d. 9/27/02
3 - Air Quality	Proof of mailing Submittal letter to CPM, d. 3/12/01 CISCO drawings of CEMS Fluor Letter re. CEMS, d. 3/6/01 CEMS specifications CPM email approval Rev. CEMS specs. Letter from Fluor re. Specs. Applicant's Comments, d. 9/15/00 Approval email from CPM, d. 4/1/02 CONDITION SATISFIED, d. 9/27/02
4 - Air Quality	Proof of mailing Commissioning Plan, d. 1/7/02 Submittal letter to CPM, d. 2/20/01 Letter to MBUAPCD, d. 2/20/01 Applicant's Comments, d. 9/15/00, to Dec. CEC email acceptance, d. 4/4/02 CONDITION SATISFIED, d. 9/27/02
5 - Air Quality	Submittal letter to CPM, d. 3/14/02 Notification letter to MBUAPCD, d. 3/11/02 Confirmation of inspection email, d. 3/12/02 Proof of mailing CEC email acceptance, d. 4/4/02 CEC memo w/ Medanos example, 11/5/01 CONDITION SATISFIED, d. 9/27/02
6 - Air Quality	Submittal letter to CPM, d. 3/14/02 Submittal letter to MBAUAPCD, d. 3/11/02 Surrendered ERC's Proof of mailing Submittal letter to CPM, d. 4/2/02 re ERC's MBUAPCD letter, d 3/27/02 re ackn'legment CONDITION SATISFIED, d. 9/27/02
7 - Air Quality	Proof of mailing Commissioning Plan, d. 1/7/02 Submittal letter to CPM, d. 2/20/01 Letter to MBUAPCD, d. 2/20/01 CEC email acceptance, d. 4/4/02 CONDITION SATISFIED, d. 9/27/02
8 - Air Quality	Proof of mailing Commissioning Plan, d. 1/7/02 Submittal letter to CPM, d. 2/20/01 Letter to MBUAPCD, d. 2/20/01 CEC email acceptance, d. 4/4/02 CONDITION SATISFIED, d. 9/27/02
9 - Air Quality	Proof of mailing Commissioning Plan, d. 1/7/02 Submittal letter to CPM, d. 2/20/01 Letter to MBUAPCD, d. 2/20/01 CEC email acceptance, d. 4/4/02 CONDITION SATISFIED, d. 9/27/02
10 - Air Quality	Proof of mailing Commissioning Plan, d. 1/7/02 Submittal letter to CPM, d. 2/20/01 Letter to MBUAPCD, d. 2/20/01 CEC email acceptance, d. 4/4/02 CONDITION SATISFIED, d. 9/27/02

Contents of Files

Tech Area/ Condition No.	Contents of File
11 - Air Quality	Proof of mailing Commissioning Plan, d. 1/7/02 Submittal letter to CPM, d. 2/20/01 Letter to MBUAPCD, d. 2/20/01 CEC email acceptance, d. 4/4/02 CONDITION SATISFIED, d. 9/27/02
12 - Air Quality	Letter to CEC, d 5/3/02, re Recission/waivers Letter to MBUAPCD, d 5/1/01 recission/waiv Submittal letter to CPM, d. 4/29/02 Letter to MBUAPCD, d 4/29/02 re protocol Source test protocol, d. 4/20/02 CUBIX Submittal letter to CPM, d. 4/26/02 Letter to MBUAPCD, d. 4/24/02 re waivers Letter to MBUAPCD, d. 4/29/02 re protocol Proofs of mailing Submittal letter to CPM, d. 5/20/02 Letter to MBUAPCD, d. 5/15/02 Submittal letter to CPM, d. 5/22/02 Letter to MBUAPCD, d. 5/17/02 Notification to CEC, d. 5/24/02 Email to CEC, d. 5/29/02 re test schedules Email to CEC, d. 5/30/02 re schedule Email to CEC, d. 6/14/02 re test schedule Submittal letter to CPM, d. 9/27/02 re test CEC letter, d. 9/27/02, re status CONDITION SATISFIED, d. 10/25/02
13 - Air Quality	Recordkeeping verification, Note to file 10/21/03
14 - Air Quality	Recordkeeping verification, Note to file 10/21/03
15 - Air Quality	Recordkeeping verification, Note to file 10/21/03 Petition to Amend Condition
	Decision to approve mend cond., d 4/16/03
16 - Air Quality	Recordkeeping verification, Note to file 10/21/03
17 - Air Quality	Recordkeeping verification, Note to file 10/21/03 Petition to Amend Condition
	Decision to approve mend cond., d 4/16/03
18 - Air Quality	Recordkeeping verification, Note to file 10/21/03
19 - Air Quality	Recordkeeping verification, Note to file 10/21/03
20 - Air Quality	Proofs of mailing Submittal letter to CPM, d. 4/29/02 RATA test protocol, d. 4/22/02 Letter to MBUAPCD, d. 4/29/02 Letter to MBUAPCD, d. 4/24/02 Letter to MBUAPCD, d. 5/14/02 Submittal letter to CPM, d. 5/13/02 Submittal letter to CPM, d. 5/20/02 Notification to CEC, d. 5/24/02 Email to CEC, d. 5/29/02 re test schedules Email to CEC, d. 5/30/02 re RATA schedule Email to CEC, d. 5/30/02 re AQ-20 Email to CEC from SFA, d. 5/31/02 re RATA Email to CEC re AQ-20 update, d. 6/3/02 Email to CEC re RATA testing, d. 6/4/02 Schedule of testing to MBUAPCD, d.6/14/02 Email notification to CEC re Unit 2, d. 67/2/02 Submittal letter to CPM, d. 9/5/02 re RATA Letter to MBUAPCD, d. 8/30/02 re RATA CONDITION SATISFIED, d. 9/27/02
	Submit lt. to CPM, d. 6/200/04 re RATA test schedule
21 - Air Quality	Recordkeeping verification, Note to file 10/21/03
22 - Air Quality	Recordkeeping verification, Note to file 10/21/03
23 - Air Quality	Recordkeeping verification, Note to file 10/21/03
24 - Air Quality	Recordkeeping verification, Note to file 10/21/03
25 - Air Quality	Recordkeeping verification, Note to file 10/21/03
26 - Air Quality	Recordkeeping verification, Note to file 10/21/03
27 - Air Quality	Recordkeeping verification, Note to file 10/21/03
28 - Air Quality	Recordkeeping verification, Note to file 10/21/03
29 - Air Quality	Recordkeeping verification, Note to file 10/21/03
30 - Air Quality	Recordkeeping verification, Note to file 10/21/03
31 - Air Quality	Recordkeeping verification, Note to file 10/21/03
32 - Air Quality	Recordkeeping verification, Note to file 10/21/03
33 - Air Quality	Recordkeeping verification, Note to file 10/21/03
34 - Air Quality	Recordkeeping verification, Note to file 10/21/03
35 - Air Quality	Recordkeeping verification, Note to file 10/21/03
36 - Air Quality	Recordkeeping verification, Note to file 10/21/03
37 - Air Quality	Recordkeeping verification, Note to file 10/21/03
38 - Air Quality	Recordkeeping verification, Note to file 10/21/03
39 - Air Quality	Recordkeeping verification, Note to file 10/21/03 Submittal letter to CEC, d. 7/30/03 Quarterly report CD, 2nd quarter Submital letter to CEC, d. 10/14/03

Contents of Files

Tech Area/ Condition No.	Contents of File
39 - Air Quality (cont.)	Quarterly report CD, 3rd quarter
	2004Quarterly report CD, 1stquarter 4/27/04
	2004 Quarterly report CD, 2nd quarter 8/10/2004
	2004 Quarterly report CD, 3rd quarter 10/26/2004
	2004 Quarterly report CD, 4th quarter 1/25/2005
	2005 Quarterly report CD, 1st quarter 4/27/05
	Recordkeeping verification, Note to file 10/21/03
40 - Air Quality	Recordkeeping verification, Note to file 10/21/03
41 - Air Quality	Recordkeeping verification, Note to file 10/21/03
	2005 RATA test notification lt. 7/14/05
42 - Air Quality	Change in verification language
43 - Air Quality	Proofs of mailing
	Submittal letter to CPM, d. 3/16/01
	Drawings of stack sampling ports
	Approval email, d. 4/1/01
	Recordkeeping verification, Note to file 10/21/03
44 - Air Quality	Recordkeeping verification, Note to file 10/21/03
45 - Air Quality	Letter & Payment to MBUASCD, d. 6/5/01
46 - Air Quality	Copy of receipt from MBUAPCD, d. 6/12/01
	Copy of check to MBUAPCD $69,469
	Submittal letter to CPM, d. 6/22/01
	Proofs of mailing
	Letter of payment to MBUAPCD, d. 5/15/02
	Recordkeeping verification, Note to file 10/21/03
	CONDITION SATISFIED, d. 10/22/03
	Recordkeeping verification, Note to file 10/21/03
47 - Air Quality	CONDITION SATISFIED, d. 9/27/02
48 - Air Quality	CONDITION SATISFIED, d. 9/27/02
49 - Air Quality	Summary of monthly activities (MCR1)
50 - Air Quality (SC-AQ-50)	Contract Activities Daily Reports (MCR1)
	Fugitive Dust Control Plan, d. 7/20/00
	Submittal letter to CPM, d. 8/1/00
	Contract Activities Report (MCR2)
	Sweeping Hours report (MCR2)
	Summary of monthly activities (MCR2)
	Sweeping hours reports
	Summary of monthly activities (MCR3)
	Summary of Monthly Activities (MCR4)
	Sweeping hours reports (MCR4)
	Summary of monthly activities (MCR5)
	Sweeping hours reports (MCR 5)
	Summary of monthly activities (MCR6)
	Sweeping hours reports (MCR6)
	Summary of monthly activities (MCR7)
	Sweeping hours reports (MCR7)
	Summary of monthly activities (MCR8)
	Sweeping hours reports (MCR8)
	Summary of monthly activities (MCR9)
	Sweeping hours reports (MCR10)
	Summary of monthly activities (MCR10)
	Sweeping hours reports (MCR10)
	Sweeping hours reports (MCR 11)
	Summary of monthly activities (MCR 11)
	Sweeping hours reports (MCR 12)
	Summary of monthly activities (MCR 12)
	Sweeping hours reports (MCR 13)
	Summary of monthly activities (MCR 13)
	Sweeping hours reports (MCR 14)
	Summary of monthly activities (MCR 14)
	Sweeping hours reports (MCR 15)
	Summary of monthly activities (MCR 15)
	Sweeping hours reports (MCR 16)
	Summary of monthly activities (MCR 16)
	Summary of monthly activities (MCR 17)
	Summary of monthly activities (MCR 18)
	Summary of monthly activities (MCR 19)
	Summary of monthly activities (MCR 20)
	Summary of monthly activities (MCR 21)
	CONDITION SATISFIED, d. 9/27/02
	Note to file
51 - Air Quality (SC-AQ-51)	CONDITION SATISFIED, d. 9/27/02
	Note to file
52 - Air Quality (SC-AQ-52)	CONDITION SATISFIED, d. 12/19/02
	Submittal letter to CPM, d. 8/1/00
53 - Air Quality (SC-AQ-53)	Construction Equipment Plan
	Equipment Maintenance Logs (note to file)
	CONDITION SATISFIED, d. 9/27/02
	Letter to MBUAPCD, d. 11/22/00 re Moyer Program
54 - Air Quality (SC-AQ-54)	Proofs of mailing
	Applicant's Comments, d. 9/15/00
	Submittal letter, d. 12/7/00

Contents of Files

Tech Area/ Condition No.	Contents of File
54-Air Quality (SC-AQ-54) (cont.)	Note to file CONDITION SATISFIED, d. 9/27/02
	Submittal letter to CEC, d. 7/31/03
1 - Hazardous Materials Management	Submittal letter to CPM, d. 11/14/00
2 - Hazardous Material Management	Proofs of mailing Risk Management Plan for MLPP Monterey Cty. Letter of Completeness, 4-6-01 Risk Management Plan, Rev. 2, d. 3/01 Duke cover letter to Monterey Cty., d. 3/12/01 EPA Notification Ltr:Complete RMP 3/10/01 Monterey Cty Letter of acceptance d. 6/20/01 Submittal letter to CPM, d. 7/25/01 CONDITION SATISFIED, d. 9/27/02
	Submittal letter to CPM, d. 11/14/00
3 - Hazardous Material Management	SOP's for Truck Off-Loading SOP's for Railcar Off-Loading Submittal letter to CPM, d. 7/25/01 CONDITION SATISFIED, d. 9/27/02
	Submittal letter to CPM, d. 11/14/00
4 - Hazardous Material Management	Submittal letter to CPM, d. 7/25/01 Drawings & Specs for ammonia tanks CONDITION SATISFIED, d. 9/27/02
1 - Worker Safety	DFD letter, d. 10/5/00 Submittal letter to CPM, d. 9/27/00 Cal OSHA letter, d. 9/25/00, with permit NC Fire Protection Dist. Letter, d. 9/22/00 DFD Letter, d. 8/14/00 Proofs of mailing Construction Fire Proc. & Prev. Plan, d. 8/10/00 CONDITION SATISFIED, d. 9/27/02
2 - Worker Safety	CEC fax re Cal/OSHA address, d. 4/10/02 Email from Proj. Mgr Re Cal/OSHA d. 4/23/02 Letter to Cal/OSHA, d. 4/23/02 re H&S Plan Letter to NCFPD, d. 4/24/02 re Emer. Plan Letter to Cal/OSHA, d. 4/26/02 review request Submittal letter to CPM, d. 5/8/02 Submittal letter to CPM, d. 5/14/02 Letter from NCFPD, d. 5/1/02 re approval Letter from Cal/OSHA, d. 5/7/02 re approval CONDITION SATISFIED, d. 9/27/02
3 - Worker Safety	Proofs of mailing NC Fire Protection Dist. Letter, d. 9/22/00 Submittal letter, d. 9/27/00 CEC email, d. 11/19/02 re condition satisfied CONDITION SATISFIED, d. 11/19/02
4 - Worker Safety	Proofs of mailing Submittal letter to CPM, d. 9/27/00 Letter to NC Fire Dist., d. 9/1/00 Fire District Funding Agreement Letter from Fire Dist, d. 1/19/01 re payment NC Fire Dist.letter, d. 7/3/02, re funding CONDITION SATISFIED, d. 9/27/02
1 - Biological Resources	Proofs of mailing Submittal letter, d. 9/27/00 Resume of Jim Broadway Amendment to Funding Agreem't, d. 2/28/00 CONDITION SATISFIED, d. 9/27/02
2 - Biological Resources	MCR1 Env. Monitoring Report MCR2 Env. Monitoring Report CONDITION SATISFIED, d. 9/27/02
3 - Biological Resources	Note to file CONDITION SATISFIED, d. 9/27/02
4 - Biological Resources	Proofs of mailing Submittal letter to CPM, d. 9/28/00 Memo, d. 9/26/00 Worker Env. Awareness Program Note to file CONDITION SATISFIED, d. 9/27/02 Supervisor's Training Information CEC email, d. 7/16/03 re approval of video
5 - Biological Resources	Proofs of mailing Letter to Coastal Com., d. 9/28/00 Submittal letter to CPM, d. 9/27/00 Bio. Res. Mitigation and Monitoring Plan Applicant's Comments, d. 9/15/00 Protocol for Encountering Frogs & Salamd'rs CEC Memo, d. 3/25/02 re BIO-5 obligations

Contents of Files

Tech Area/ Condition No.	Contents of File
5 - Biological Resources (cont.)	Sample Report, Calpine, d. 10/4/01 CEC Letter, d. 9/27/02 re status Submittal letter to CEC, d. 11/13/02 Completion of Construction Report CEC email, d. 11/22/02 re Const. Report Duke's Response to CEC comments Submittal letter, d. 12/10/02
6 - Biological Resources	Proof of mailing Submittal letter to CPM, d. 6/7/02 Closure Plan for Combined Cycle Units CONDITION SATISFIED, d. 9/27/02
7 - Biological Resources	Wire transfer receipt (Wells Fargo), d 4/24/01 Wells Fargo fax transmittal, received 4/25/01 Verification instructions from CPM, d. 4/26/01 List from CPM of verification receipients Submittal letter to CPM, d. 4/27/01 Proofs of mailing Signed wire transfer receipt (John Musni, WF) Email approval from CPM d. 12/27/01 CEC letter, d. 5/6/02, re Mitigation Plan Elkhorn Sl. Enhancement & Mitigation Plan CEC Letter, d. 9/27/02 re status Submittal letter to CEC, d. 6/5/03 Outline of BIO-7 annual report
8 - Biological Resources	ESF's Annual ESEEMP Report, d. Feb. '03 ESF's Interim ESEEMP Report, d. July '03 Submittal letter to CEC, d. 9/9/03 Duke's Annual ESEEMP Report, 9/01-12/02 RWCQB letter, d. 9/9/03, re purchase approv'l CEC letter, d. 9/16/03, re purchase approval
	Copy of $100,000 to MMC, d. 9/13/02 Proof of mailing Submittal letter to CPM, d. 9/27/02 Copies of check and long term lease CEC email re amending lease First Amendment to Non-Ex. License Agr'mt
	Submittal letter to CEC, d. 7/31/03
9 - Biological Resources	Submittal letter to CPM, d. 1/25/01 Letter to M B Sanc. Found. + $150K, d. 1/25/01 Proofs of mailing Letter to M B Sanc. Fd. +$275K, d. 8/12/02 Submittal letter to CPM, d. 9/16/02 Copies of checks ($150K and $275K) CONDITION SATISFIED, d. 9/27/02 CONDITION SATISFIED, d. 10/17/02 CEC letter, d. 11/21/02 re non-compliance SIMoN Request for Pre-Proposals M L Marine Labs Proposal CEC letter, d. 7/16/03 re Research Update
1 - Cultural Resources	Proofs of mailing Submittal letter to CPM, d. 9/29/00 CRS letter of availability, d. 9/28/00 Memo of CPM, d. 8/24/00 Submittal letter, d. 7/11/00 Resume of Tom Jackson CONDITION SATISFIED, d. 9/27/02
2 - Cultural Resources	Proofs of mailing Letter to CRS, d. 9/29/00 Submittal letter, d. 9/29/00 DFD letter, d. 9/29/00 Proposed Alignments of Cooling Water Sys. Pipes CONDITION SATISFIED, d. 9/27/02
3 - Cultural Resources	Submittal letter to CPM, d. 8/28/00 Cultural Mitigation and Monitoring Plan & Training CONDITION SATISFIED, d. 9/27/02
4 - Cultural Resources	Submittal letter to CPM, d. 8/28/00 Cultural Resources Plan and Training Report CEC email, d. 7/16/03 re approval of video CONDITION SATISFIED, d. 9/27/02
5 - Cultural Resources	Documentation of workers trained Submittal letter to CPM, d. 12/7/01 Proofs of mailing Note to file: see MCR's for training CONDITION SATISFIED, d. 9/27/02
6 - Cultural Resources	Proofs of mailing Submittal letter to CPM, d. 9/25/00 Letter to CRS, d. 9/25/00 CONDITION SATISFIED, d. 9/27/02
7 - Cultural Resources	Proofs of mailing Ground Disturbing Activities, d. 11/10/00, with maps Letter to CRS, d. 11/30/00, with maps

Contents of Files

Tech Area/ Condition No.	Contents of File
7 - Cultural Resources (cont.)	Ground Disturbing Activities, d. 11/3/00, with maps Letter to CRS, d. 11/10/00, with maps Letter to CRS, d. 11/2/00, with maps Letter to CRS, d. 10/25/00 Ground Disturbing Activities, d. 10/25/00, with maps Letter to CRS, d. 1/4/01, with maps Ground Disturbing Activities, d. 12/29/00 + maps Letter to CRS, d. 2/2/01 Ground Disturbing Activities, d. 2/2/01 + maps Ground Disturbing Activities, d. 2/7/01 Transmittal to CRS, d. 2/7/01 Letter to CRS, d. 3/2/01, with maps Ground Disturbing Activities, d. 3/2/01 Letter to CRS, d. 3/5/01, with maps Ground Disturbing Activities, d. 3/5/01 Letter to CRS, d. 3/15/01 Prelim. Plan of Cooling Wtr. + schedule Letter to CRS, d. 4/2/01 Ground Disturbing Activities, d. 3/31/01 Additional Ground Disturbing, d. 4/4/01 Fax cover sheet, d. 4/5/01 Letter to CRS, d. 4/27/01 re. Trans. Line Proj. DE&S letter to Duke re. Trans. Line Proj. DE&S drawings re. Trans. Line Proj. Letter to CRS, d. 5/1/01 Fluor's Ground Disturbing Activities, d 5/1/01 Letter to CRS, d. 6/4/01 Ground Distrurbing Activities, d. 6/4/01 Letter to CRS, d. 7/2/01 Ground Disturbing Activities, d. 6/30/01 Letter to CRS, d. 7/30/01 Ground Disturbing Activities, d. 7/30/01 Letter to CRS, d. 9/4/01 Ground disturbing activities, d.9/4/01 w/maps Letter to CRS, d. 9/27/01 with drawing Finish grading & paving Units 1-5 intake Letter to CRS, d. 7/22/02 re landscape Landscape & irrigation plans Letter to CRS, d. 8/20/02 re encroach permit Caltrans encroachment permit Letter to CRS, d. 9/23/02, with drawing CEC Letter, d. 9/27/02 re status Submittal letter, d. 11/13/02 re ground disturb CONDITION SATISFIED, d. 11/19/02
8 - Cultural Resources	Letter from CRS, d. 11/6/00 Letter from CRS, d. 11/14/00 Letter from CRS, d. 11/28/0 Letter from CRS, d. 12/4/00 Letter from CRS, d. 12/11/00 Letter from CRS, d. 12/19/00 Letter from CRS, d. 12/27/00 Letter from CRS, d. 1/1/01 Letter from CRS, d. 1/8/01 Letter from CRS, d. 1/17/01 Letter from CRS, d.1/23/01 Letter from CRS, d. 1/30/01 Letter from CRS, d. 2/5/01 Letter from CRS, d. 2/13/01 Letter from CRS, d. 2/22/01 Letter from CRS, d. 2/27/01 Letter from CRS, d. 3/6/01 Letter from CRS, d. 3/13/01 Letter from CRS, d. 3/21/01 Letter from CRS, d. 3/27/01 Letter from CRS, d. 4/3/01 Letter from CRS, d. 4/10/01 Letter from CRS, d. 4/17/01 Letter from CRS, d. 5/1/01 Letter from CRS, d. 4/25/01 Letter from CRS, d. 5/7/01 Letter from CRS, d. 5/11/01 Letter from CRS, d. 5/23/01 Letter from CRS, d. 5/29/01 Letter from CRS, d. 6/5/01 Letter from CRS, d. 6/19/01 Letter from CRS, d. 6/26/01 Letter from CRS, d. 7/3/01 Letter from CRS, d. 7/11/01 Letter from CRS, d. 7/23/01 Letter from CRS, d. 7/17/01 Letter from CRS, d. 8/7/01 (ending 7/27/01)

Contents of Files

Tech Area/ Condition No.	Contents of File
8 - Cultural Resources (cont.)	Letter from CRS, d. 8/7/01 Letter from CRS, d. 8/16/01 Letter from CRS, d. 8/19/01 Letter from CRS, d. 8/27/01 Letter from CRS, d. 9/11/01 Letter from CRS, d. 9/5/01 Letter from CRS, d. 9/19/01 Letter from CRS, d. 9/21/01 Letter from CRS, d. 10/1/01 Letter from CRS, d. 10/11/01 Letter from CRS, d. 10/17/01 Letter from CRS, d. 10/24/01 Letter from CRS, d. 10/31/01 Letter from CRS, d. 11/9/01 Letter from CRS, d. 11/15/01 Letter from CRS, d. 11/21/01 Letter from CRS, d. 11/27/01 Letter from CRS, d. 12/5/01 Letter from CRS, d. 12/17/01 Letter from CRS, d. 12/17/01 Letter from CRS, d. 12/28/01 Letter from CRS, d. 12/28/01 Letter from CRS, d. 1/7/02 Letter from CRS., d. 1/15/02 Letter from CRS, d. 2/5/02 thru 27th Letter from CRS, d. 2/5/02 thru 31st Letter from CRS, d. 2/11/02 Letter from CRS, d. 2/22/02 Letter from CRS, d. 2/23/02 Letter from CRS, d. 3/1/02 Letter from CRS, d. 3/12/02 Letter from CRS, d. 3/19/02 Letter from CRS, d. 3/26/02 Letter from CRS, d. 4/3/02 Letter from CRS, d. 4/14/02 Letter from CRS, d. 4/14/02 Letter from CRS, d. 4/26/02 Letter from CRS, d. 4/26/02 Letter from CRS, d. 5/6/02 Letter from CRS, d. 5/14/02 Letter from CRS, d. 5/14/02 Letter from CRS, d. 5/19/02 Letter from CRS, d. 5/26/02 Letter from CRS, d. 6/1/02 Letter from CRS, d. 6/9/02 Letter from CRS, d. 6/16/02 Letter from CRS, d. 6/27/02 Letter from CRS, d. 7/6/02 Letter from CRS, d. 7/6/02 Letter from CRS, d. 7/14/02 Letter from CRS, d. 7/23/02 Letter from CRS, d. 7/30/02 Letter from CRS, d. 8/12/02 Letter from CRS, d. 8/12/02 Letter from CRS, d. 8/21/02 Letter from CRS, d. 9/9/02 Letter from CRS, d. 9/9/02 Letter from CRS, d. 9/24/02 Letter from CRS, d. 9/24/02 CONDITION SATISFIED, d. 9/27/02
9 - Cultural Resources	Letter from CRS, d. 11/6/00 Letter from CRS, d. 11/14/00 Letter from CRS, d. 11/28/00 Letter from CRS, d. 12/4/00 Letter from CRS, d. 12/11/00 Letter from CRS, d. 12/19/00 Letter from CRS, d. 12/27/00 Letter from CRS, d. 1/1/01 Letter from CRS, d. 1/8/01 Letter from CRS, d. 1/17/01 Letter from CRS, d. 1/23/01 Letter from CRS, d. 1/23/01 Letter from CRS, d. 1/30/01 Letter from CRS, d. 2/5/01 Letter from CRS, d. 2/13/01 Letter from CRS, d. 2/22/01 Letter from CRS, d. 2/27/01 Letter from CRS, d. 3/6/01 Letter from CRS, d. 3/13/01 Letter from CRS, d. 3/21/01 Letter from CRS, d. 3/27/01 Letter from CRS, d. 4/3/01 Letter from CRS, d. 4/10/01 Letter from CRS, d. 4/17/01

Contents of Files

Tech Area/ Condition No.	Contents of File
9 - Cultural Resources (cont.)	Letter from CRS, d. 5/1/01 Letter from CRS, d. 4/24/01 Letter from CRS, d. 5/7/01 Letter from CRS, d. 5/11/01 Letter from CRS, d. 5/23/01 Letter from CRS, d. 5/29/01 Letter from CRS, d. 6/5/01 Letter from CRS, d. 6/19/01 Letter from CRS. D. 6/26/01 Letter from CRS, d. 7/3/01 Letter from CRS, d. 7/11/01 Letter from CRS, d. 7/23/01 Letter from CRS, d. 7/17/01 Letter from CRS, d. 8/7/01 (ending 7/27/01) Letter from CRS, d. 8/7/01 Letter from CRS, d. 8/16/01 Letter from CRS, d. 8/19/01 Letter from CRS, d. 8/27/01 Letter from CRS, d. 9/11/01 Letter from CRS, d. 9/5/01 Letter from CRS, d. 9/19/01 Letter from CRS, d. 9/25/01 Letter from CRS, d. 10/1/01 Letter from CRS, d. 10/11/01 Letter from CRS, d. 10/17/01 Letter from CRS, d. 10/24/01 Letter from CRS, d. 10/31/01 Letter from CRS, d. 11/9/01 Letter from CRS, d. 11/15/01 Letter from CRS, d. 11/21/01 Letter from CRS, d. 11/27/01 Letter from CRS, d. 12/05/01 Letter from CRS, d. 12/17/01 Letter from CRS, d. 12/17/01 Letter from CRS, d. 12/28/01 Letter from CRS, d. 12/28/01 Letter from CRS, d. 1/7/02 Letter from CRS., d. 1/15/02 Letter from CRS, d. 2/5/02 thru 27th Letter from CRS, d. 2/5/02 thru 31st Letter from CRS, d. 2/11/01 Letter from CRS, d. 2/22/02 Letter from CRS, d. 2/23/02 Letter from CRS, d. 3/1/02 Letter from CRS, d. 3/12/02 Letter from CRS, d. 3/19/02 Letter from CRS, d. 3/26/02 Letter from CRS, d. 4/3/02 Letter from CRS, d. 4/14/02 Letter from CRS, d. 4/14/02 Letter from CRS, d. 4/26/02 Letter from CRS, d. 4/26/02 Letter from CRS, d. 5/6/02 Letter from CRS, d. 5/14/02 Letter from CRS, d. 5/14/02 Letter from CRS, d. 5/19/02 Letter from CRS, d. 5/19/02 Letter from CRS, d. 5/26/02 Letter from CRS, d. 6/1/02 Letter from CRS, d. 6/9/02 Letter from CRS, d. 6/16/02 Letter from CRS, d. 6/27/02 Letter from CRS, d. 7/6/02 Letter from CRS, d. 7/6/02 Letter from CRS, d. 7/14/02 Letter from CRS, d. 7/23/02 Letter from CRS, d. 7/30/02 Letter from CRS, d. 8/12/02 Letter from CRS, d. 8/12/02 Letter from CRS, d. 8/21/02 Letter from CRS, d. 9/9/02 Letter from CRS, d. 9/9/02 Letter from CRS, d. 9/24/02 Letter from CRS, d. 9/24/02 Submittal letter to CEC, d. 11/13/02 CONDITION SATISFIED, D. 9/27/02
10 - Cultural Resources	Submittal letter to CPM, d. 9/29/00 Statement re. Native Am. Monitor, d. 9/25/00 Transmittal, d. 9/26/00 CONDITION SATISFIED, d. 9/27/02
11 - Cultural Resources 11 - Cultural Resources (cont.)	Statement re. Curating facility CONDITION SATISFIED, d. 9/27/02

Contents of Files

Tech Area/ Condition No.	Contents of File
12 - Cultural Resources	Email from CPM & D. Torres, d. 2/21/02 CONDITION SATISFIED, d. 9/27/02
13 - Cultural Resources	Note to file CONDITION SATISFIED, d. 9/27/02
14 - Cultural Resources	Submittal letter to CEC, d. 11/25/02 Proof of mailing Cultural Resources Report CONDITION SATISFIED, d. 5/1/03 CEC Memorandum, d. 1/16/03 Submittal letter, d. 2/26/03 w/revised Report CEC Memorandum, d. 3/25/03 App. Cofidential Designation, d. 4/1/03 Submittal letter to CEC, d. 4/7/03 App. For Confidential D. (2 ltrs), d. 4/21/03 CONDITION SATISFIED, d. 5/1/03 CONDITION SATISFIED, d. 4/15/03
15 - Cultural Resources	Submittal letter to CEC, d. 11/25/02 Proof of mailing Submittal letter to CEC, d. 2/5/03 CEC Memorandum, d. 3/25/03 Cultural Resources Report (Revised) App. For Confidential Design., d. 4/1/03 Submittal letter to CEC, d. 4/7/03 App. For Confidential D. (2 ltrs), d. 4/21/03 CONDITION SATISFIED, d. 5/1/03 CONDITION SATISFIED, d. 4/15/03
16 - Cultural Resources	Submittal letter to CEC, d. 11/15/02 Proof of mailing Submittal letter to CEC, d. 2/26/03 CEC memorandum, d. 3/25/03 App. For Confidential D. (2 ltrs), d. 4/21/03 CONDITION SATISFIED, d. 5/1/03
1 - Geological Resources	CBO Letter, d. 9/25/00, re. Engineers resume Submittal letter to CPM, d. 9/20/00 DFD letter, d. 9/14/00, re. Engineers resumes Proofs of mailing DFD Transmittal, d. 9/11/00 Engineers resumes CONDITION SATISFIED, d. 9/27/02
2 - Geological Resources	CBO letter, d. 11/17/00, re soils report CEC letter, d. 9/27/02 re status Proof of mailing Submittal letter to CBO, d. 8/26/02 Submittal letter to CEC, d. 10/14/02 Final Engineering Geology Report CONDITION SATISFIED, d. 3/14/03
1 - Paleontological Resources	CPM email approval Submittal letter to CPM, d. 7/11/00 Resume of David Lawler CONDITION SATISFIED, d. 9/27/02
2- Paleontological Resources	Submittal letter to CPM, d. 8/28/00 Paleo. Mitigation and Monitoring Plan CONDITION SATISFIED, d. 9/27/02
3 - Paleontological Resources	Proofs of mailing Submittal to CPM, d. 10/4/00, with revision Construction Staff Education Program Submittal letter to CPM, d. 9/30/00 Note to file re training: see MCR's CONDITION SATISFIED, d. 9/27/02 CEC email, d. 7/16/03 re approval of video
4 - Paleontological Resources	Summary of Paleo. Log for MCR1 Summary of Paleo. Log for MCR2 Note to file re MCR reporting CONDITION SATISFIED, d. 9/27/02
5 - Paleontological Resources	Consulting Services Agreement, d.8/10/00 CONDITION SATISFIED, d. 9/27/02
6 - Paleontological Resources	CEC letter, d. 9/27/02 re status Paleo Resources Report Submittal letter to CEC, d. 11/18/02 Proof of mailing
7 - Paleontological Resources	Proof of mailing Submittal letter to CPM, d. 6/7/02 Closure Plan for Combined Cycle Units Email to CPM, d. 6/14/01 re misreference CONDITION SATISFIED, d. 9/27/02
1 - Soils & Water Resources	Submittal letter, d. 8/1/00 Erosion and Sediment Control Plan Erosion Control Plan for Cooling Water Sys. Pipelines Letter to Fluor, d. 3/14/02, re NOT CONDITION SATISFIED, d. 12/19/02

Contents of Files

Tech Area/ Condition No.	Contents of File
2 - Soils & Water Resources	Letter to Fluor re. Wheel wash, d. 10/30/01 Submittal letter to CPM, d. 11/2/01 NPDES Permit Proof of Mailing CONDITION SATISFIED, d. 9/27/02
3 - Soils & Water Resources	Submittal letter to CPM, d. 5/15/02 Proof of service Writing from Genz for letter CONDITION SATISFIED, d. 9/27/02
4 - Soils & Water Resources	Consultant info. Submittal letter to CPM, d. 8/28/01 Submittal letter to RWQCB, d. 8/22/01 Thermal Plume Evaluation Plan, d. 8/19/01 Proof of Mailing Extension of time for draft study to 8/25/01 Submittal letter, d. 4/30/02 Submittal letter to CPM, d. 5/13/02 RWQCB's acceptance of Plan, d. 5/9/02 Submittal letter to CPM, d. 7/16/02 Letter to RWQCB, d. 7/12/02 Final Thermal Plume Plan, d. Apr. 2002 CEC letter, d. 9/27/02 re status Post-modernization Thermal Plume Eval. Submittal letter to RWQCB, d. 8/29/03 Submittal letter to CEC, d. 9/2/03
	Proofs of mailing
5 - Soils & Water Resources	Thermal Plume Supplemental Report, 9/18/05 Applicant's Comments, d. 9/15/00 Civil Engineer's stamped statement, d. 9/26/00 Submittal letter to CPM, d. 9/28/00 Phase 1: Final S & W Plan, d. 9/28/00 Submittal letter to CPM, d. 10/3/00 Phase 1: Final S & W Plan, d. 10/28/00 Submittal letter to CPM, d. 9/30/00 Letter from Dept. of Toxic Substances, d. 11/21/00 Letter from Dept. of Fish & Game, d. 11/30/00 Phase II: Cooling Water, d. 12/22/00 Submittal letter to CPM, d. 12/27/00 DTSC's Transmittal re Ph. I Com'ts, d. 2/23/01 DTSC's Transmittal re Ph. II Com'ts, d. 2/28/01 Supplemental Info for Plans, d. 3/6/01 Health & Safety Plan, 3/6/01 Submittal letter to CPM, d. 3/7/01 CBO letter, d. 3/8/01 re verification DTSC's Approval letter re Ph. II, d. 3/16/01 Submittal letter to CPM, d. 3/19/01 Letter to Merchiers (DFD) re approval, d. 3/19/01 DTSC's approval of Ph. I, d. 4/5/01 Submittal letter to CPM, d. 4/16/01 Responses to DTSC's Issues, d. 9/18/01 Submittal letter to CPM re. Ph. I, d. 9/28/01 Data Report: Lt'd Soil & Groundwater Investig. Health & Safety Plan for Field Work, d. 7/01 Submittal letter to CPM re. Ph. II, d. 10/5/01 Distribution key for 10/5/01 mailings Letter from Monterey County, d. 11/7/01 Letter to RWQCB: discharge rpt., d. 12/12/01 Letter re. Responses (Ph. 1 & 2), d. 1/16/02 Submittal letter to CPM, d. 1/18/02 Resubmittal letter to CPM, d. 1/18/02 Responses to DTSC's issues, d. 9/18/01 Completion Report, d. 1/25/02 Submittal letter to CPM, d. 1/30/02 Letter to CPM, d. 3/8/02 re 3/1/02 meeting Memo from CEC (White), d. 1/31/02 CEC email, d. 5/23/02, condition satisfied CONDITION SATISFIED, d. 9/27/02
6 - Soils & Water Resources	Agr'mt with Harbor Dist., d. 12/19/00 Submittal letter to CPM, d. 12/20/00 Proofs of mailing CONDITION SATISFIED, d. 9/27/02
1 - Waste Management	CONDITION SATISFIED, d. 9/27/02
2 - Waste Management	Proofs of mailing Submittal letter to CPM, d. 9/29/00 Construction Waste Management Plan DFD letter, d. 9/15/00 Submittal letter to CPM, d. 5/17/02 re oper. Operational Waste Management Plan CEC letter, d. 9/27/02 re status Submittal letter to CEC, d. 7/31/03
3 - Waste Management	CONDITION SATISFIED, d. 9/27/02

Contents of Files

Tech Area/ Condition No.	Contents of File
4 - Waste Management	Submittal letter to CEC, d. 7/31/03
1 - Land Use	Change in verification (90 to 150 days) CPM ltr. Change in verification to 210 days Coastal Com. Ltr. To DENA, d. 3/7/01 CEC transmittal re Coastal Com. Letter Draft MOU (CEC/MBSF), d. 7/12/01 Extension of condition to 10/1/01 Bestor Engineer's Fax, d. 12/7/00 Proof of mailing Proposed public access deed Letter to CEC, d. 9/17/02 re amendment Submittal letter to CEC, d. 9/25/02 re amend Petition for Modification of LAND-1 Fax from CEC, d. 11-20-02 re CEC Order CEC Order Approving Amendment, d. 11/6/02
	Request change of Boardwalk completion date 1/29/04 Boardwalk request for codition satisfied 7/15/04
2 - Land Use	MOU (CEC/Elkhorn Sl. Found.), d. 10/5/02 Email from Elk. Sl. Foundation, d. 10/7/02 Submittal letter to CEC, d. 10/8/02 re check Proof of mailing Copy of check for $60,000, d. 8/26/02 CEC letter, d. 9/27/02 re status CEC email, d. 10/17/02 re satisfaction A & B Submitted letter to CEC 1/29/04 Submitted completion letter to CEC, d 7/15/04 Check for $268,333 to ESF for Circle Trail, 12/28/07 CEC letter,d 12/18/07. Cond of Cert, Circle Trail, Complete.
3 - Land Use	Proof of mailing Submittal letter to CPM, d. 4/11/01 Easement, d. 3/07/01 CEC Tracking Sheet, d. 4/16/01 Submittal letter to CPM, d. 7/5/02 Public Access Deed, recorded 6/4/02 CONDITION SATISFIED, d. 9/27/02
4 - Land Use	CONDITION SATISFIED, d. 9/27/02
5 - Land Use	Proofs of mailing Submittal letter to CPM, d. 10/24/00 Monterey Co.ordinance - Coastal Title 20 Fax submittal to CPM, d. 11/20/00, with attachments CPM email re status, d. 2/13/02 Remains in compliance CPM email, d 2/13/02 CEC letter, d. 9/27/02 re status Submittal letter to CEC, d. 11/5/02 re signs
6 - Land Use	CEC conversation report w/Stillwell, 4/19/01 CEC email, d. 1/08/02 Mty. Cty. Encroachment permit, d. 12/09/02 Submittal letter to CEC w/pictures, d. 1/21/03 Submittal email to CEC w/pictures, d. 4/3/03 CONDITION SATISFIED, d. 6/11/03
1 - Noise	Proofs of mailing Submittal letter to CPM, d. 10/24/00 Letter to Community, d. 10/10/00 (1/2 mile) Letter to Community w/ insert (1 mile) Documentation of CEC's instructions CONDITION SATISFIED, d. 9/27/02
2 - Noise	Proofs of mailing Submittal letter to CPM, d. 1/5/01 Complaint #3, d. 12/6/01 Complaint #4, d. 12/6/01 CEC letter, d. 9/27/02 re status
3 - Noise	Proofs of mailing Submittal letter to CPM, d. 10/23/00 Construction Noise Control Plan DFD Letter, d. 10/24/00 DFD Letter, d. 10/5/00 Construction Noise Control Plan, d. 9/27/00 Submittal Letter to CPM, d. 9/29/00 CONDITION SATISFIED, d. 9/27/02
4 - Noise	Proof of mailing Submittal letter to CPM, d. 3/8/02 Drawing of silencer CEC's steam blow authorization, d. 4/9/02 CEC's steam blow authorization, d. 4/11/02 CEC letter, d. 9/27/02 re status CONDITION SATISFIED, d. 3/14/03
5 - Noise	Proof of mailing Submittal letter to CPM, d. 3/8/02 Letter to Community, d. 3/7/02 CEC email, 9/10/02, CONDITION SATISFIED
6 - Noise	Submittal letter to CPM, d. 8/28/02 Proofs of mailing Letter from AAC, d. 8/22/02

Contents of Files

Tech Area/ Condition No.	Contents of File
6 - Noise (cont.)	Community Noise Survey Report, d. 8/02 CEC email, d. 9/10/02, condition satisfied
7 - Noise	Proofs of mailing Submittal letter to CPM, d. 8/28/02 Occupational Noise Survey (Part 1), d. 8/02 CEC email, d. 9/10/02, condition satisfied Dosimetry Report, d. 9/26/02 Submittal letter to CEC, d. 10/9/02 CEC letter, d. 9/27/02 re status CONDITION SATISFIED, d. 10/22/02
8 - Noise	Statement re. Restricted hours, d. 12/1/00 CONDITION SATISFIED, d. 9/27/02
1 - Socioeconomic Resources	Local Procurement & Contract Rpt, d. 12/4/00 (MCR1) Email from CPM, d. 8/24/00 Submittal letter to CMP, d. 8/1/00 Compliance Procedure Local Proc. & Contract Rpt. (MCR2) Local Proc. & Contract Report (MCR3) Local Proc. & Contract Report (MCR4) Statement of Planned Recruitment Statement re. Subcontractors Statement of Planned Recruitment, d. 4/01 Statement of Planned Hiring, d. 4/2/01 Local Proc. Summary Report, d. 4/5/01 Local Procurement Report (MCR9), d.8/3/01 Local Procurement Report (MCR 6) Statement of Planned Recruitment (MCR 6) Statement re. Subcontractors (MCR6) Statement of Planned Recruitment (MCR 7) Statement re. Subcontractors (MCR7) Local Procurement Report (MCR7) Local Procurement Report (MCR8) Statement of Planned Recruitment (MCR8) Statement re Subcontractors (MCR8) Statement of Planned Recruitment (MCR2) Statement of Planned Recruitment (MCR3) Statement re Subcontractors (MCR2) Statement re Subcontractors (MCR3) Note to file re proof of mailing Remaining statements for all MCR's CONDITION SATISFIED, d. 9/27/02
1 - Traffic and Transportation	Note to file: Transportation permits (all MCR's) CONDITION SATISFIED, d. 9/27/02
2 - Traffic and Transportation	Note to file: Encroachment permits (all MCR's) CONDITION SATISFIED, d. 9/27/02
3 - Traffic and Transportation	Note to file re. Records (all MCR's) CONDITION SATISFIED, d. 9/27/02
4 - Traffic and Transportation	Proof of mailing Submittal letter to CPM, d. 12/9/01 Monterey County DPW letter, d. 12/3/02 Note to file CONDITION SATISFIED, d. 1/7/03
5 - Traffic and Transportation	CONDITION SATISFIED, d. 9/27/02
6 - Traffic and Transportation	Applicant's Comments, d. 9/15/00 Submittal letter to CPM, d. 5/16/01 Proof of mailing CONDITION SATISFIED, d. 9/27/02
7 - Traffic and Transportation	Submittal letter to CPM, d. 2/19/01 Proofs of mailing CONDITION SATISFIED, d. 9/27/02
8 - Traffic and Transportation	Status Report, d. 12/1/00 Status Report, d. 3/1/01 Status Report, d. 4/1/01 Letter to Fluor re condition, d. 4/11/01 Status Report, d. 1/9/01 Status Report, 2/1/01 Letter from Fluor re condition, d. 4/16/01 Letter to Fluor re TMP, d. 5/18/01 Fluor's response re TMP, d. 5/29/01 CONDITION SATISFIED, d. 9/27/02
9 - Traffic and Transportation	CONDITION SATISFIED, d. 9/27/02
10 - Traffic and Transportation	Submittal letter to CPM, d. 1/18/01 Monterey Co. (DPW) letter, d. 1/18/01 Proof of mailing CONDITION SATISFIED, d. 11/19/02
11 - Traffic and Transportation	Letter from DOT, d. 1/29/01 re archeo. Report Fax trans. sheet from CRS to DENA, d. 1/23/01 Proof of mailing Submittal letter to CPM, d. 4/11/01 Easement, recorded 3/07/01 CalTrans letter, d. 3/27/01

Contents of Files

Tech Area/ Condition No.	Contents of File
11 - Traffic and Transportation (cont.)	Submittal letter to CPM, d. 7/5/02 Public Access Deed, recorded 6/4/02 Condition satisfied CPM email, d. 9/10/02 CONDITION SATISFIED, d. 9/27/02
1 - Visual Resources	Submittal letter to CPM, d. 7/3/01 Painting specifications Color simulations of treatment Maintenance procedure Monterey County approval of color scheme Proof of mailing Design approval request to county CPM's email re approval, d. 7/18/01 Submittal letter to CPM, d. 5/20/02 re inspec. CEC letter, d. 9/27/02 re status
2 - Visual Resources	Paint manufacturer's paint standards Submittal letter to CEC, d. 7/31/03 Note to file re established fencing Submittal letter, d. 4/3/03, re no installation Proof of mailing CONDITION SATISFIED, d. 4/15/03
3 - Visual Resources	Change of verification Proof of mailing Submittal letter to CPM, d. 3/27/01 Lighting plan with drawings Submittal letter to CPM, d. 4/5/02 CONDITION SATISFIED, d. 9/27/02
4 - Visual Resources	Submittal letter to CPM, d. 6/19/02 MLPP Landscape Plan (Elkhorn Nat. Nursery) Email from CPM, d. 7/3/02 re approval Proofs of mailing Submittal letter to CPM, d. 8/21/02 Caltrans-approved landscape plan Letter to Caltrans re encroach app, d. 7/25/02 Letter to Caltrans re rev. drawings, d. 8/1/02 Caltrans encroachment permit, d. 8/14/02 Letter to CBO, d. 9/13/02, re planting berms CONDITION SATISFIED, d. 9/27/02
Closure Plan	Proof of Mailing Submittal Letter to CPM, d. 6/7/02 Closure Plan for Combined Cycle Units
48 - Air Quality	CEC petition to amend startup and tuning emissions, 1/9/2004
49 - Air Quality	CEC petition to amend startup and tuning emissions, 1/9/2004
FEES	Annual facility 03-04 fee payment $15,000, d 1/16/04 Annual facility 04-05 fee payment $15,461, d 7/20/04 Annual facility 05-06 fee payment $15,987.00, d 7/19/05 Annual facility 06-07 fee payment $16,850.00, d 7/21/06 Annual facility 07-08 fee payment $17,676.00, d 7/15/07 Annual facility 08-09 fee payment $18,772.00, d 7/3/08 Annual facility 09-10 fee payment $19,823.00, d 6/29/09 Annual facility 10-11 fee payment $18,696.00, d 7/19/10 Annual facility Additional 10-11 fee payment $6,304.00, d 11/9/10 Annual facility 11-12 fee payment $25,508.00, d 6/29/11 Annual facility 12-13 fee payment $26,350.00, d 5/20/12 Annual facility 13-14 fee payment $26,350.00, d 7/9/13 Annual facility 14-15 fee payment $27,049.00, d 7/9/14 Annual facility 15-16 fee payment $27,403.00, d 6/22/15 Annual facility 16-17 fee payment $27,404.00, d 7/11/16 Annual facility 17-18 fee payment $27,678.00, d 6/2/17 Amendment Additional Fee payment $1,413.56, d 2/27/18 Annual facility 18-19 fee payment $28,428.00, d 5/23/18 Amendment Additional Fee payment $12,916.23, d 5/23/18 Amendment Additional Fee payment $8,672.99 d 9/25/2018 Amendment Additional Fee payment $59.78 d 2/26/2019 Annual facility 19-20 fee payment $29,434.00, d 5/15/19 Annual facility 20-21 fee payment $30,073.00, d 7/6/20 Annual facility 21-22 fee payment $30,554.00, d 6/8/21 Annual facility 22-23 fee payment $32,113.00, d 6/29/22 Annual facility 23-24 fee payment $35,208.00, d 6/29/23

MOSS LANDING POWER COMPANY LLC
Moss Landing Power Plant
PO Box 690
Moss Landing, CA 95039
831-633-6700

January 31, 2023

Mr. Matthew T. Keeling, Executive Officer
Central Coast Regional Water Quality
Control Board
895 Aerovista Place, Suite 101
San Luis Obispo, CA 93401

ATTN: Peter von Langen, PhD.

RE: Moss Landing Power Plant 2022 Annual NPDES Monitoring Report

Dear Mr. Keeling:

Enclosed is the Moss Landing Power Company LLC's 2022 Annual NPDES Monitoring Report for the Moss Landing Power Plant (MLPP). MLPP provides this information in accordance with Order No. R3-2020-0031, NPDES No. CA0006254.

Included with the Report is the Annual Intake Area Hydrographic Survey and Intake Structure Approach Velocity Measurements Report for 2022. Also included is the 2022 Climate Change Action Plan Progress Report.

MLPP evaluated wastewater flows to project flow rate increases over time and the possible estimated date when flows could reach facility capacity. The wastewater flows (002-B, 002-C, 002-C3, 002E & EFF-004) are below capacity and it is estimated they will not change during the time period of the order.

Operators of this facility are not required to be certified under Title 23 CCR. The NPDES program is administered and monitored by the following staff members:

Mike Batte	Managing Director
Vince Dodge	Director of Environmental
Spencer Vartanian	Environmental Manager

The following plans, with initial and revised dates, are in effect at MLPP:

- Business Plan/Contingency (CERS) Plan for Hazardous Materials Management
  December 2022
- Spill Prevention Control Countermeasures for Oil Management
  February 2022

All of the plans are complete and valid for MLPP. In addition to the above plans, MLPP has an Operating and Maintenance Procedure manual. Sections of this manual are reviewed and revised as necessary to reflect plant operations.

To monitor the discharge streams for compliance in 2022, the services of Monterey Bay Analytical Services, Ceres Analytical Lab, Weck Laboratories, McCampbell Analytical Inc., SGS AXYS Analytical Services Ltd., and Aquatic Bioassay & Consulting Laboratories, Inc. were employed.

The Aquatic Bioassay & Consulting Laboratories, Inc. conducted the chronic toxicity, using the critical life stage toxicity tests to measure TUc with Urchin, *Strongylocentrotus purpuratus* as follows:

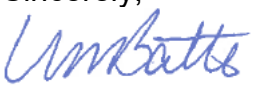
The presence of chronic toxicity shall be estimated as specified in “Short Term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to West Coast Marine and Estuarine Organisms”, EPA-821/600/R-95/136; “Short Term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to Marine and Estuarine Organisms”, EPA600-4-01-003; “Procedures Manual for Conducting Toxicity Tests developed by the Marine Bioassay Project”, SWRCB 1996, 96-1WQ; and/or “Short Term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to Marine and Estuarine Organisms”, EPA/600/4-87-028 or subsequent editions.

All other monitoring was conducted according to test procedures approved under 40 CFR Part 136, entitled "Guidelines Establishing Test Procedures for Analysis of Pollutants".

I certify, under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

If you have any questions regarding this report, please contact Spencer Vartanian at spencer.vartanian@vistracorp.com.

Sincerely,



Mike Batte
Managing Director
Moss Landing and Oakland Power Plant

Attachments:
- Summary of Compliance Record
- Tabular Summaries
- Graphical Summaries

- 2022 Annual Intake Area Hydrographic Survey and Intake Structure Approach Velocity Measurements Report
- 2022 Climate Change Action Plan Progress Report

cc: sophie.debeukelaer@noaa.gov
karen.grimmer@noaa.gov
Vince Dodge
Spencer Vartanian

File: 403.40.01 MLPP 2022

Electronic File:
C:\VistraBox\Box\G Drive\EH&S Compliance\DUKE-PGE\REG\Vartanian\Water\NPDES\Annual Reports\2022

Summary of Compliance Record
Moss Landing Power Company, LLC
NPDES Permit # CA0006254
Order No. R3-2020-0031

2022 Annual Report

All discharges addressed in this report were in compliance except as noted below.

First Quarter

On 4/11/2022, Dr. Peter von Langen was notified of the following:

It was discovered on 3/16/22 that the 6-month median analytical results from monitoring location EFF-002 for chromium, selenium, and zinc were 20 ug/L, 36.43 ug/L, and 113 ug/L, respectively. Due to these elevated levels, we informed Dr. von Langen on 4/11/22 that we would be increasing our sampling frequency from quarterly to monthly at monitoring locations EFF-002 and INF-002.

Also, monitoring location INT-002B, the Seawater Evaporator, experienced elevated pH readings, as follows:

1/5/22 - 9.1
1/12/22 - 9.1
1/17/22 - 9.1
2/11/22 - 9.2
3/3/22 - 9.1

Second Quarter

On 4/29/2022, Dr. Peter von Langen was notified of the following:

From 4/20/22 @ 1350 to 4/22/22 @ 0800, the Moss Landing Power Plant Excel PI DataLink was disconnected which caused inaccurate circulating water temperature data to be collected. In looking at the temperature data from an intermediate point in the plant (in between intake and discharge and after thermal transfer), we see that the highest delta T° between the intake and the intermediate point is 20.16° F, and this lasted for several minutes at the most, during the period in question. This means the instantaneous delta T° could have never exceeded 26° F and the 24-hour average delta T° could have never exceeded 20° F, meaning we remained in compliance with our NPDES permit limits. Based on our investigation, we can say with confidence that there were no temperature exceedances during this period of time and compliance was maintained. The Excel PI DataLink has since been restored and accurate data collection has resumed.

On 7/7/2022, Dr. Peter von Langen was notified of the following:

It was discovered on 7/7/2022 that the facility had a 6-month median exceedance of zinc at the effluent monitoring location EFF-002. The analytical result is 24.5 ug/L and the limit in the California Ocean Plan is 20 ug/L. We attribute the slight overage to April's analytical result of 151 ug/L. It is also worth noting that in the same month,

the influent monitoring location INF-002 measured 170 ug/L, indicating that there was a spike of zinc in the Moss Landing Harbor.

Third Quarter

On 11/1/2022, Dr. Peter von Langen was notified of the following:

During the week of 10/24/2022, the facility discovered the following issues while preparing the Q3 quarterly report:

- The daily maximum for mercury at effluent monitoring location EFF-002 measured 1.10 ug/L. While there is no permit limit for mercury for EFF-002, it is worth noting that the Water Quality Objectives from the California Ocean Plan are 0.04 ug/L for the 6-month median, 0.16 ug/L for the daily maximum, and 0.4 for the instantaneous maximum.
- The monthly average total suspended solids (TSS) at monitoring location INT-002B for September was 92 mg/L and the permit limit is 30 mg/L. While this measurement is higher than normal, it is below the instantaneous maximum limit of 100 mg/L. We will consider options for reducing the monthly average, like taking more than one sample in a month to bring the average down.
- The monthly average total suspended solids (TSS) at monitoring location INT-002C for July was 56 mg/L and 69.6 lbs./day, with permit limits of 30 mg/L and 59 lbs./day, respectively. While these measurements are higher than normal, they are below the daily maximum limits of 100 mg/L and 196.9 lbs./day. We will consider options for reducing the monthly averages, like taking more than one sample in a month to bring the averages down.
- The analytical result for Bis (2-Ethylhexyl) Phthalate at the internal monitoring location INT-002C was 110 ug/L. While no limit is mentioned in the facility's NPDES permit, it is worth mentioning that Table 3 of the California Ocean Plan lists a 30-day average of 3.5 ug/L.

Fourth Quarter

On 12/8/2022, Dr. Peter von Langen was notified of the following:

Due to equipment maintenance issues and scheduling issues with the testing company, Tenera Environmental Services, the Units' 1 & 2 Intake Structure Approach Velocity Survey for Unit 1 would be completed the week of 12/12/2022 and Unit 2's survey would be completed within the first two weeks of January 2023.

On 1/12/2023, Dr. Peter von Langen, of your staff, was notified of the following:

Due to the projected flooding of the Salinas River caused by the series of atmospheric rivers affecting California at the time, Unit 2's Intake Structure Approach Velocity Survey would be delayed until the week of 1/23/2023. Unit 2's Survey was completed on 1/25/2023.

On 1/26/2023, Dr. Peter von Langen was notified of the following:

On 1/19/2023, it was discovered that the monthly average total suspended solids (TSS) for October 2022 at monitoring location INT-002B was 37 mg/L and that the pH maximum for December 2022 was 9.20 It was also discovered that the cyanide 6-month median for monitoring location EFF-002 was 12.1 ug/L and 31.5 lbs/day.

Moss Landing Power Plant

NPDES Annual Report – 2022

Tabular Summaries

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
CENTRAL COAST REGION
895 AEROVISTA PLACE, SUITE 101
SAN LUIS OBISPO, CA 93401

DISCHARGER SELF MONITORING REPORT

NPDES ANNUAL SUMMARY REPORT - 2022
(New permit # R3-2020-0031, effective 09/04/20)

MOSS LANDING POWER COMPANY, LLC
P.O. BOX 690
MOSS LANDING, CA 95039-0690

FACILITY I.D.		YEAR/ MO / DAY		YEAR/ MO / DAY		STATE CODE	NPDES PERMIT#
3 272011001	BEGINNING	22 / 01 / 01	ENDING	22 / 12 / 31		06	CA0006254

STATION	EFF-002			INT-002B			INT-002C			INT-002C3			EFF-004			EFF-002			EFF-002					
ANALYSIS	FLOW			FLOW			FLOW			FLOW			FLOW			TOTAL RES CHLOR			FREE CHLOR					
UNITS	MGD			GPDx1000			GPDx1000			GPDx1000			GPDx1000			ug/l			ug/l					
SMPL TYPE	RECORDED			ESTIMATE			ESTIMATE			ESTIMATE			ESTIMATE			GRAB			GRAB					
FREQ.	DAILY			DAILY			DAILY			DAILY			DAILY			WEEKLY W/CHL			WEEKLY W/CHL					
MONTH	AVG	HI	LOW	AVG	HI	LOW	AVG	HI	LOW	AVG	HI	LOW	AVG	HI	LOW	AVG	HI	LOW	AVG	HI	LOW			
JAN	236	284	173	168	261	0	110	248	16	0	0	0	35	173	15	0	0	0	0	0	0			
FEB	226	291	129	185	287	0	103	192	36	0	0	0	21	67	14	0	0	0	0	0	0			
MAR	245	312	192	266	303	238	146	332	88	0	0	0	14	35	0	0	0	0	0	0	0			
APR	161	218	107	125	332	0	59	152	25	0	0	0	18	86	0	0	0	0	0	0	0			
MAY	210	353	90	69	329	0	88	246	7	0	0	0	73	173	15	0	0	0	0	0	0			
JUNE	242	359	142	142	297	0	103	187	37	0	0	0	41	173	14	0	0	0	0	0	0			
JULY	259	317	218	160	263	0	110	303	38	0	0	0	131	173	27	0	0	0	0	0	0			
AUG	308	359	217	195	244	0	146	268	75	0	0	0	130	173	30	28	140	0	28	140	0			
SEPT	266	359	84	142	238	0	128	309	60	0	0	0	87	173	15	28	60	0	28	60	0			
OCT	299	359	180	114	238	0	114	300	30	0	0	0	86	86	80	45	80	0	40	80	0			
NOV	295	355	197	148	199	62	113	209	71	0	0	0	86	86	85	3	10	0	0	0	0			
DEC	341	359	226	136	149	92	144	337	69	0	0	0	32	86	14	13	50	0	0	0	0			
Average	257	327	163	154	262	33	114	257	46	0	0	0	63	124	26	10	28	0	8	23	0			

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
CENTRAL COAST REGION
895 AEROVISTA PLACE, SUITE 101
SAN LUIS OBISPO, CA 93401

DISCHARGER SELF MONITORING REPORT

NPDES ANNUAL SUMMARY REPORT - 2022
(New permit # R3-2020-0031, effective 09/04/20)

MOSS LANDING POWER COMPANY, LLC
P.O. BOX 690
MOSS LANDING, CA 95039-0690

FACILITY I.D.		YEAR/ MO / DAY		YEAR/ MO / DAY		STATE CODE	NPDES PERMIT#
3 272011001	BEGINNING	22 / 01 / 01	ENDING	22 / 12 / 31		06	CA0006254

STATION	INF-002			EFF-002			INT-002B			INT-002C			INF-002			EFF-002								
ANALYSIS	pH			pH			pH			pH			TEMPERATURE			TEMPERATURE			TEMPERATURE			TEMPERATURE		
UNITS	pH UNITS			pH UNITS			pH UNITS			pH UNITS			DEGREES F			DEGREES F			DELTA T			IMAX DELTA T		
SMPL TYPE	GRAB			GRAB			GRAB			GRAB			---			---			---			---		
FREQ.	WEEKLY W/CHL			WEEKLY W/CHL			WEEKLY W/CHL			WEEKLY W/CHL			DAILY			DAILY			DAILY			DAILY		
MONTH	AVG	HI	LOW	AVG	HI	LOW	AVG	HI	LOW	AVG	HI	LOW	AVG	HI	LOW	AVG	HI	LOW	AVG	HI	LOW	AVG	HI	LOW
JAN	8.13	8.20	8.00	8.28	8.40	8.20	9.10	9.10	9.10	8.55	8.80	8.30	54.8	55.5	54.0	67.3	70.8	60.7	12.6	16.4	5.7	19.5	21.5	17.6
FEB	8.23	8.40	8.00	8.20	8.30	8.10	8.95	9.20	8.70	8.45	8.80	8.30	54.3	55.6	52.8	66.9	70.4	58.1	12.6	17.1	3.9	19.7	23.3	13.0
MAR	8.04	8.30	7.90	7.90	8.10	7.80	8.56	9.10	8.00	8.52	8.90	7.80	54.4	56.1	53.3	68.7	73.3	62.6	14.3	17.3	8.9	20.3	24.1	15.9
APR	7.80	8.00	7.60	7.78	7.80	7.70	8.80	8.80	8.80	7.73	8.30	7.10	55.1	57.6	52.9	69.7	73.0	63.6	14.6	19.3	7.0	19.8	24.2	17.2
MAY	7.80	7.90	7.70	7.78	7.80	7.70	---	---	---	8.20	8.50	8.10	55.7	57.1	53.6	67.5	73.2	55.9	11.8	17.8	-0.4	20.9	24.5	3.4
JUNE	7.94	8.10	7.80	7.86	7.90	7.80	8.60	8.70	8.50	8.32	8.60	8.10	58.1	60.2	56.3	67.6	75.4	60.8	9.5	17.1	3.8	19.3	23.4	16.2
JULY	8.08	8.10	8.00	7.98	8.00	7.90	8.60	8.60	8.60	8.63	8.70	8.60	60.1	62.5	58.6	73.7	79.4	66.5	13.5	18.4	7.7	19.3	22.4	15.9
AUG	7.92	8.00	7.70	7.94	8.00	7.90	8.80	8.80	8.60	8.32	8.60	7.60	60.7	63.2	58.2	76.3	80.9	69.4	15.6	18.6	9.2	19.4	20.9	18.4
SEPT	8.00	8.10	7.80	7.93	8.00	7.90	8.90	8.90	8.80	8.03	8.50	7.30	60.6	62.5	58.6	74.0	79.1	60.5	13.4	18.2	-0.2	19.6	23.7	10.9
OCT	7.90	7.90	7.90	7.78	7.90	7.40	8.75	8.80	8.70	8.63	8.90	8.20	58.6	60.7	56.2	73.9	78.9	65.9	15.4	20.1	8.1	21.6	23.4	17.2
NOV	7.88	8.00	7.70	7.94	8.00	7.90	8.58	8.70	8.50	8.68	9.00	7.90	55.5	57.7	53.5	70.8	76.4	61.2	15.2	19.4	5.3	20.9	24.3	17.0
DEC	7.90	8.10	7.80	7.98	8.20	7.80	8.98	9.20	8.90	8.78	9.00	8.50	54.8	56.2	53.0	71.5	74.4	62.6	16.8	19.5	7.3	20.3	22.8	17.8
Average	7.97	8.09	7.83	7.95	8.03	7.84	8.78	8.90	8.65	8.40	8.72	7.98	56.9	58.7	55.1	70.7	75.4	62.3	13.8	18.3	5.5	20.1	23.2	15.0

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
CENTRAL COAST REGION
895 AEROVISTA PLACE, SUITE 101
SAN LUIS OBISPO, CA 93401

DISCHARGER SELF MONITORING REPORT

NPDES ANNUAL SUMMARY REPORT - 2022

(New permit # R3-2020-0031, effective 09/04/20)

MOSS LANDING POWER COMPANY, LLC
P.O. BOX 690
MOSS LANDING, CA 95039-0690

FACILITY I.D.		YEAR/ MO / DAY		YEAR/ MO / DAY		STATE CODE	NPDES PERMIT#
3 272011001	BEGINNING	22 / 01 / 01	ENDING	22 / 12 / 31		06	CA0006254

STATION	INF-002			INT-002C3			INT-002B			INT-002C			EFF-004			INT-002C3			INT-002B			INT-002C		
ANALYSIS	T SUSP SOLID			T SUSP SOLID			T SUSP SOLID			T SUSP SOLID			T SUSP SOLID			OIL & GREASE			OIL & GREASE			OIL & GREASE		
UNITS	mg/l			mg/l			mg/l			mg/l			mg/l			mg/l			mg/l			mg/l		
SMPL TYPE	GRAB			GRAB			GRAB			GRAB			GRAB			GRAB			GRAB			GRAB		
FREQ.	Optional			EACH DISCHG			MONTHLY			MONTHLY			MONTHLY			EACH DISCHG			MONTHLY			MONTHLY		
MONTH	AVG	HI	LOW	AVG	HI	LOW	AVG	HI	LOW	AVG	HI	LOW	AVG	HI	LOW	AVG	HI	LOW	AVG	HI	LOW	AVG	HI	LOW
JAN	48.0	48.0	48.0	* ND	* ND	* ND	13.0	13.0	13.0	54.0	54.0	54.0	37.0	37.0	37.0	* ND	* ND	* ND	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
FEB	7.0	7.0	7.0	* ND	* ND	* ND	---	---	---	45.0	45.0	45.0	26.0	26.0	26.0	* ND	* ND	* ND	---	---	---	11.0	11.0	11.0
MAR	20.0	20.0	20.0	* ND	* ND	* ND	19.0	19.0	19.0	5.0	5.0	5.0	37.0	37.0	37.0	* ND	* ND	* ND	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
APR	10.0	10.0	10.0	* ND	* ND	* ND	19.0	19.0	19.0	9.0	9.0	9.0	---	---	---	* ND	* ND	* ND	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
MAY	10.0	10.0	10.0	* ND	* ND	* ND	---	---	---	296.0	296.0	296.0	7.0	7.0	7.0	* ND	* ND	* ND	---	---	---	<5.0	<5.0	<5.0
JUNE	16.8	16.8	16.8	* ND	* ND	* ND	6.4	6.4	6.4	138.0	138.0	138.0	13.8	13.8	13.8	* ND	* ND	* ND	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
JULY	20.0	20.0	20.0	* ND	* ND	* ND	22.0	22.0	22.0	56.0	56.0	56.0	32.0	32.0	32.0	* ND	* ND	* ND	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
AUG	13.0	13.0	13.0	* ND	* ND	* ND	11.0	11.0	11.0	3.0	3.0	3.0	16.0	16.0	16.0	* ND	* ND	* ND	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
SEPT	9.0	9.0	9.0	* ND	* ND	* ND	92.0	92.0	92.0	15.0	15.0	15.0	18.0	18.0	18.0	* ND	* ND	* ND	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
OCT	7.0	7.0	7.0	* ND	* ND	* ND	37.0	37.0	37.0	24.0	24.0	24.0	16.0	16.0	16.0	* ND	* ND	* ND	<5.0	<5.0	<5.0	12.0	12.0	12.0
NOV	18.0	18.0	18.0	* ND	* ND	* ND	24.0	24.0	24.0	4.0	4.0	4.0	22.0	22.0	22.0	* ND	* ND	* ND	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
DEC	10.0	10.0	10.0	* ND	* ND	* ND	15.0	15.0	15.0	11.0	11.0	11.0	---	---	---	* ND	* ND	* ND	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Average	15.7	15.7	15.7	* ND	* ND	* ND	25.8	25.8	25.8	55.0	55.0	55.0	22.5	22.5	22.5	* ND	* ND	* ND	5.00	5.00	5.00	6.08	6.08	6.08

-- Optional monitoring parameters, effective 09/04/20

* ND = No discharge to sample

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
CENTRAL COAST REGION
895 AEROVISTA PLACE, SUITE 101
SAN LUIS OBISPO, CA 93401

DISCHARGER SELF MONITORING REPORT

NPDES ANNUAL SUMMARY REPORT - 2022

(New permit # R3-2020-0031, effective 09/04/20)

MOSS LANDING POWER COMPANY, LLC
P.O. BOX 690
MOSS LANDING, CA 95039-0690

FACILITY I.D.		YEAR/ MO / DAY		YEAR/ MO / DAY		STATE CODE	NPDES PERMIT#
3 272011001	BEGINNING	22 / 01 / 01	ENDING	22 / 12 / 31		06	CA0006254

STATION	INT-002C3			INT-002C3																				
ANALYSIS	COPPER			IRON																				
UNITS	mg/l			mg/l																				
SMPL TYPE	GRAB			GRAB																				
FREQ.	EACH DISCHG			EACH DISCHG																				
MONTH	AVG	HI	LOW	AVG	HI	LOW																		
JAN	* ND	* ND	* ND	* ND	* ND	* ND																		
FEB	* ND	* ND	* ND	* ND	* ND	* ND																		
MAR	* ND	* ND	* ND	* ND	* ND	* ND																		
APR	* ND	* ND	* ND	* ND	* ND	* ND																		
MAY	* ND	* ND	* ND	* ND	* ND	* ND																		
JUNE	* ND	* ND	* ND	* ND	* ND	* ND																		
JULY	* ND	* ND	* ND	* ND	* ND	* ND																		
AUG	* ND	* ND	* ND	* ND	* ND	* ND																		
SEPT	* ND	* ND	* ND	* ND	* ND	* ND																		
OCT	* ND	* ND	* ND	* ND	* ND	* ND																		
NOV	* ND	* ND	* ND	* ND	* ND	* ND																		
DEC	* ND	* ND	* ND	* ND	* ND	* ND																		
Average	* ND	* ND	* ND	* ND	* ND	* ND																		

* ND = No discharge to sample

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
CENTRAL COAST REGION
895 AEROVISTA PLACE, SUITE 101
SAN LUIS OBISPO, CA 93401

DISCHARGER SELF MONITORING REPORT

NPDES ANNUAL SUMMARY REPORT - 2022

(New permit # R3-2020-0031, effective 09/04/20)

MOSS LANDING POWER COMPANY, LLC
P.O. BOX 690
MOSS LANDING, CA 95039-0690

PAGE (AN - Q)1

	FACILITY I.D.		YEAR/ MO / DAY		YEAR/ MO / DAY		STATE CODE	NPDES PERMIT#
	3 272011001	BEGINNING	22 / 01 / 01	ENDING	22 / 12 / 31		06	CA0006254
STATION	INF-002	EFF-002	EFF-002	EFF-002	EFF-002	EFF-002	EFF-002	EFF-002
ANALYSIS	SETT SOLIDS	SETT SOLIDS	DIS OXYGEN	TOXICITY CNC	CYANIDE	AMMONIA (N)	MERCURY	T CHROMIUM
UNITS	ml/l	ml/l	mg/l	TUc	mg/l	mg/l	ug/l	ug/l
SMPL TYPE	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
FREQ.	QUARTERLY	QUARTERLY	QUARTERLY	QUARTERLY	QUARTERLY	QUARTERLY	QUARTERLY	QUARTERLY
MONTH								
JAN	< 0.1	< 0.1	10.7	3.1	< 2.0	< 0.05	0.02	18.0
FEB								
MAR								
APR							< 0.00	< 3.0
MAY	< 0.1	< 0.1	9.0	1.0	< 0.0	< 0.05	0.00	17.0
JUN							< 0.02	17.5
JUL	< 0.1	< 0.1	9.4	1.8	2.3	< 0.10	1.10	49.0
AUG							0.07	27.0
SEP							< 0.04	8.4
OCT	< 0.1	< 0.1	10.2	2.1	21.9	< 0.10	< 0.04	140.0
NOV							< 0.04	8.1
DEC							< 0.04	39.5
Average	< 0.1	< 0.1	9.8	2.00	< 6.55	0.08	0.14	32.75

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
CENTRAL COAST REGION
895 AEROVISTA PLACE, SUITE 101
SAN LUIS OBISPO, CA 93401

DISCHARGER SELF MONITORING REPORT

NPDES ANNUAL SUMMARY REPORT - 2022

(New permit # R3-2020-0031, effective 09/04/20)

MOSS LANDING POWER COMPANY, LLC
P.O. BOX 690
MOSS LANDING, CA 95039-0690

PAGE (AN - Q)2

	FACILITY I.D.		YEAR/ MO / DAY		YEAR/ MO / DAY		STATE CODE	NPDES PERMIT#
	3 272011001	BEGINNING	22 / 01 / 01	ENDING	22 / 12 / 31		06	CA0006254
STATION	EFF-002	EFF-002	EFF-002	EFF-002	EFF-002	EFF-002	EFF-002	EFF-002
ANALYSIS	SELENIUM	COPPER	ARSENIC	NICKEL	CADMIUM	ZINC	SILVER	LEAD
UNITS	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
SMPL TYPE	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
FREQ.	QUARTERLY	QUARTERLY	QUARTERLY	QUARTERLY	QUARTERLY	QUARTERLY	QUARTERLY	QUARTERLY
MONTH								
JAN	0.049	2.6	1.4	3.6	0.013	16	< 0.036	0.024
FEB								
MAR								
APR	112	< 10	18.5	< 5	< 1	151	< 5.00	< 1.00
MAY	< 0.042	1.1	1.4	17	0.097	33	< 0.036	0.16
JUN	< 0.16	< 0.75	< 0.074	47	< 0.043	< 14	< 0.092	< 0.19
JUL	< 0.037	2.9	1.4	40	0.12	180	< 0.036	0.24
AUG	< 0.037	2.1	1.4	18	0.076	87	< 0.036	0.23
SEP	0.055	2.1	1.3	26	0.11	190	< 0.036	0.21
OCT	< 0.037	4.5	1.4	75	0.19	490	< 0.036	0.52
NOV	< 0.037	1.58	1.5	8.9	0.079	30.2	< 0.036	0.167
DEC	0.042	3.27	1.63	42.3	0.192	123	< 0.036	0.592
Average	11.250	3.090	3.000	28.280	0.192	131.4	0.538	0.333

CALIFORNIA REGIONAL WATER
QUALITY CONTROL BOARD
CENTRAL COAST REGION
895 AEROVISTA PLACE, SUITE 101
SAN LUIS OBISPO, CA 93401

DISCHARGER SELF MONITORING REPORT

NPDES ANNUAL SUMMARY REPORT - 2022
(New permit # R3-2020-0031, effective 09/04/20)

MOSS LANDING POWER COMPANY, LLC
P.O. BOX 690
MOSS LANDING, CA 95039-0690

PAGE (AN - Q)3

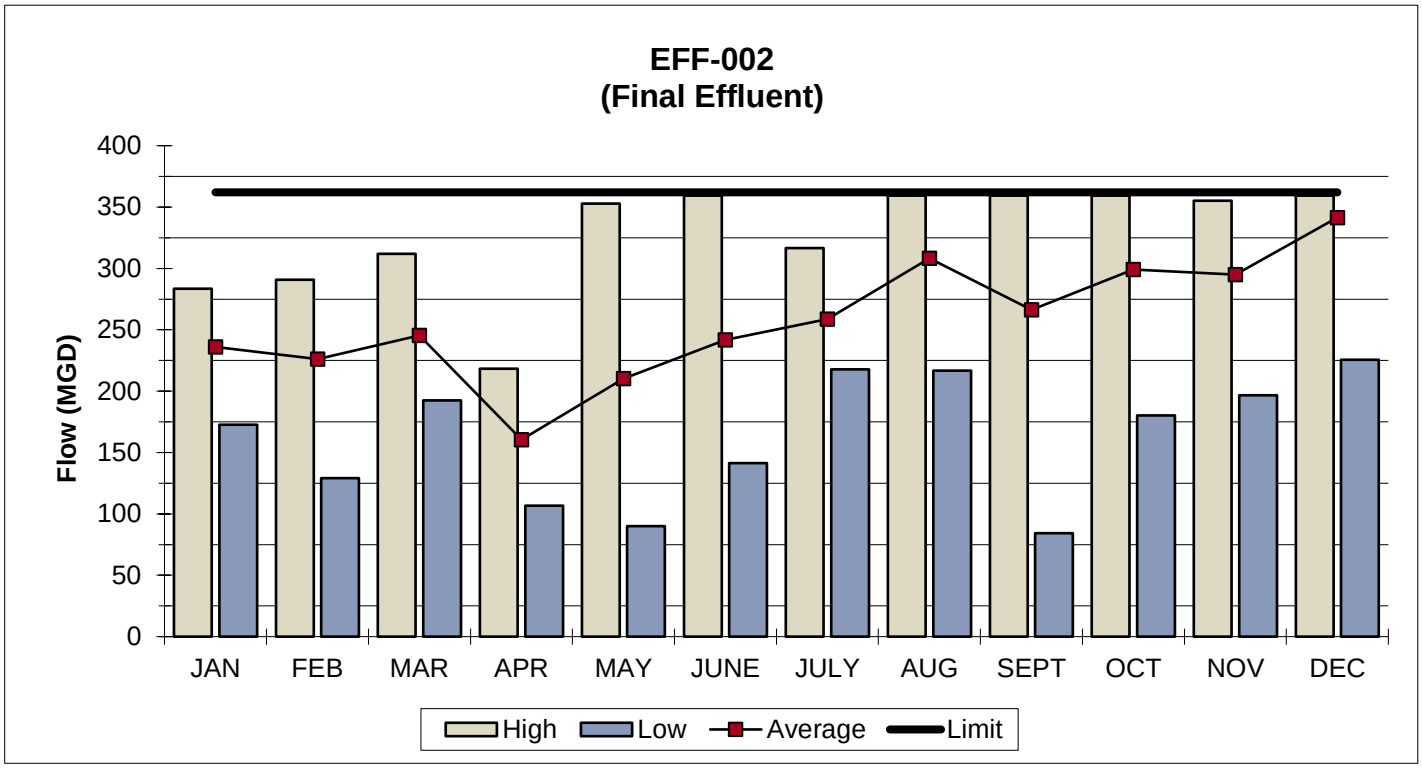
	FACILITY I.D.		YEAR/ MO / DAY		YEAR/ MO / DAY		STATE CODE	NPDES PERMIT#
	3 272011001	BEGINNING	22 / 01 / 01	ENDING	22 / 12 / 31		06	CA0006254
STATION	EFF-002	EFF-002	EFF-002	INF-002				
ANALYSIS	PCB's	CHLOR PHENOL	TOTAL PHENOLS	PCB's				
UNITS	ng/l	ug/l	ug/l	ng/l				
SMPL TYPE	GRAB	GRAB	GRAB	GRAB				
FREQ.	BI-ANNUAL	ANNUAL	ANNUAL	BI-ANNUAL				
MONTH								
JAN	147			226				
MAY	*ND	*ND	*ND	*ND				
JULY	208			172				

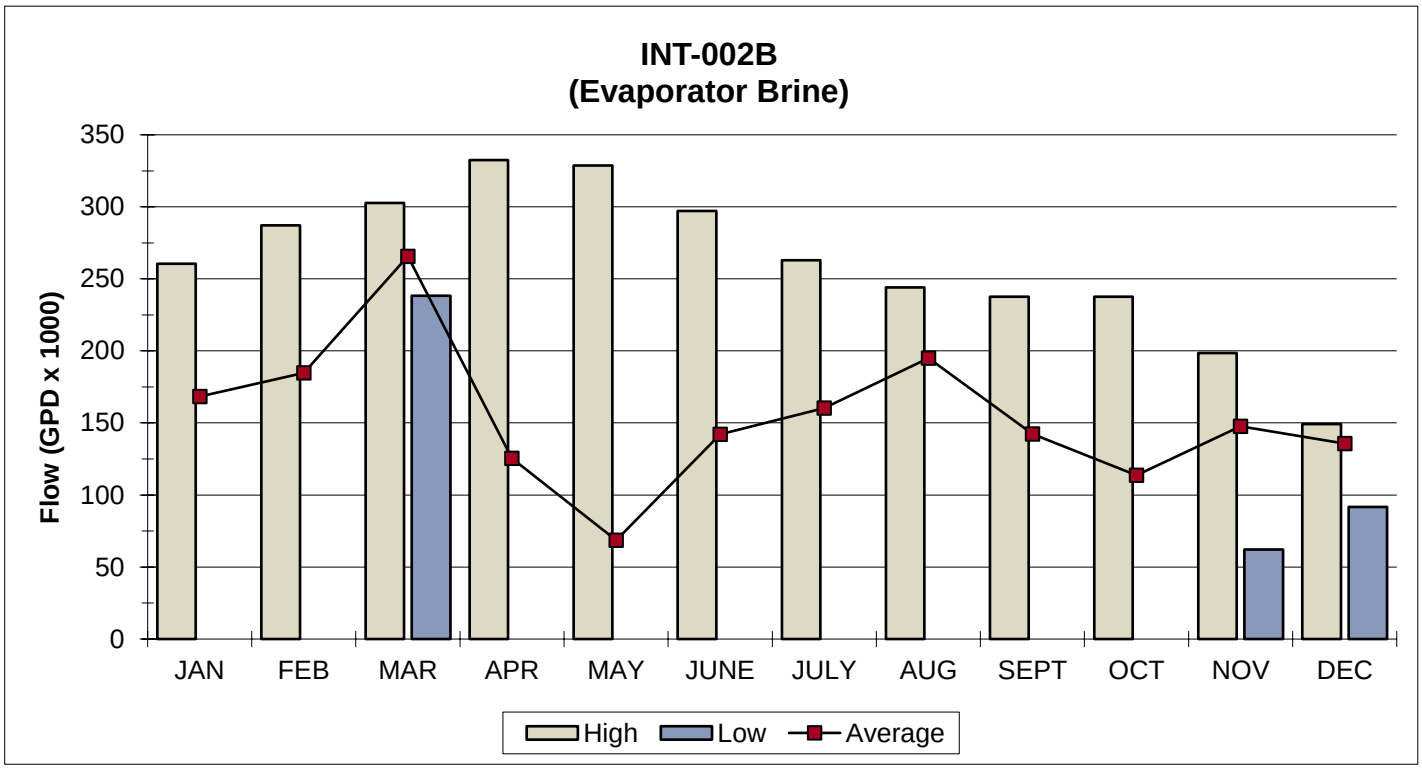
Moss Landing Power Plant

NPDES Annual Report – 2022

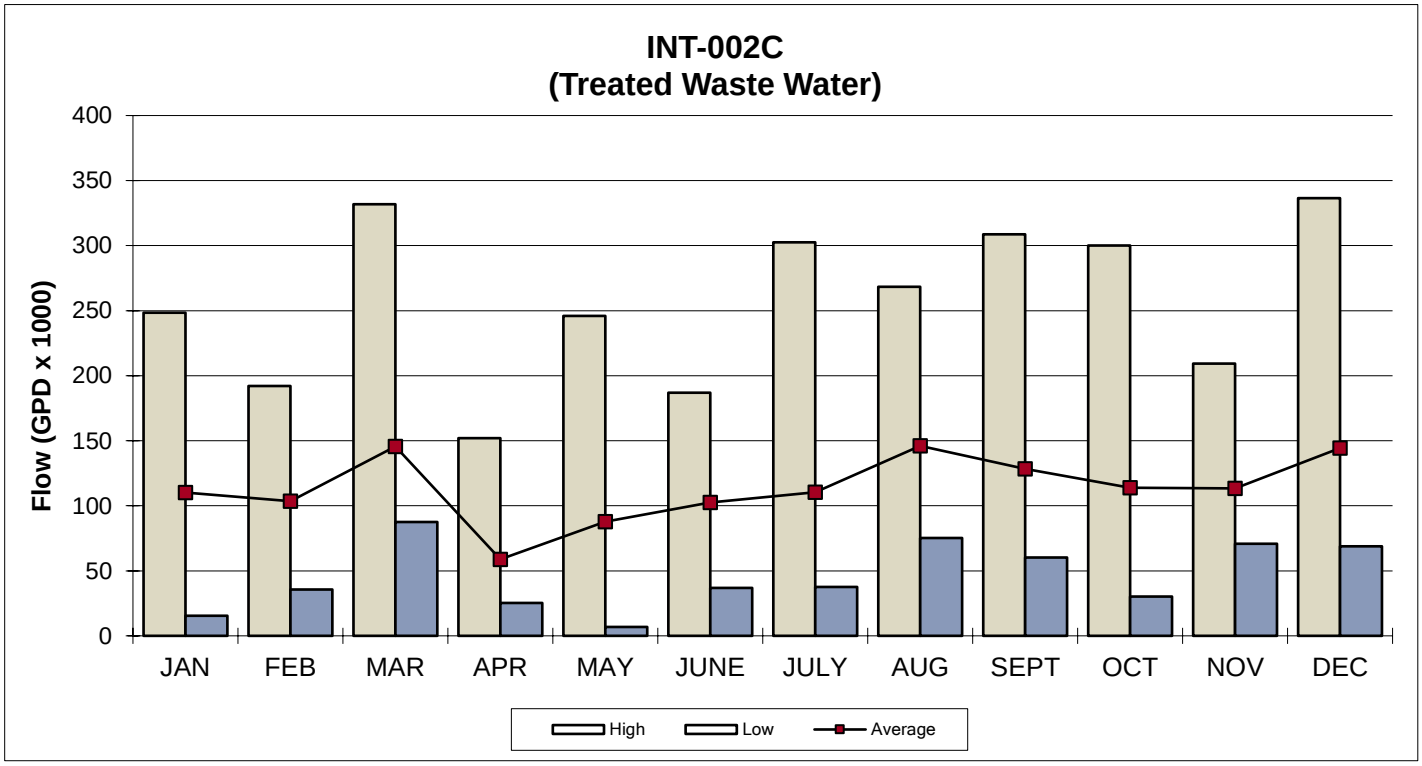
Graphical Summaries

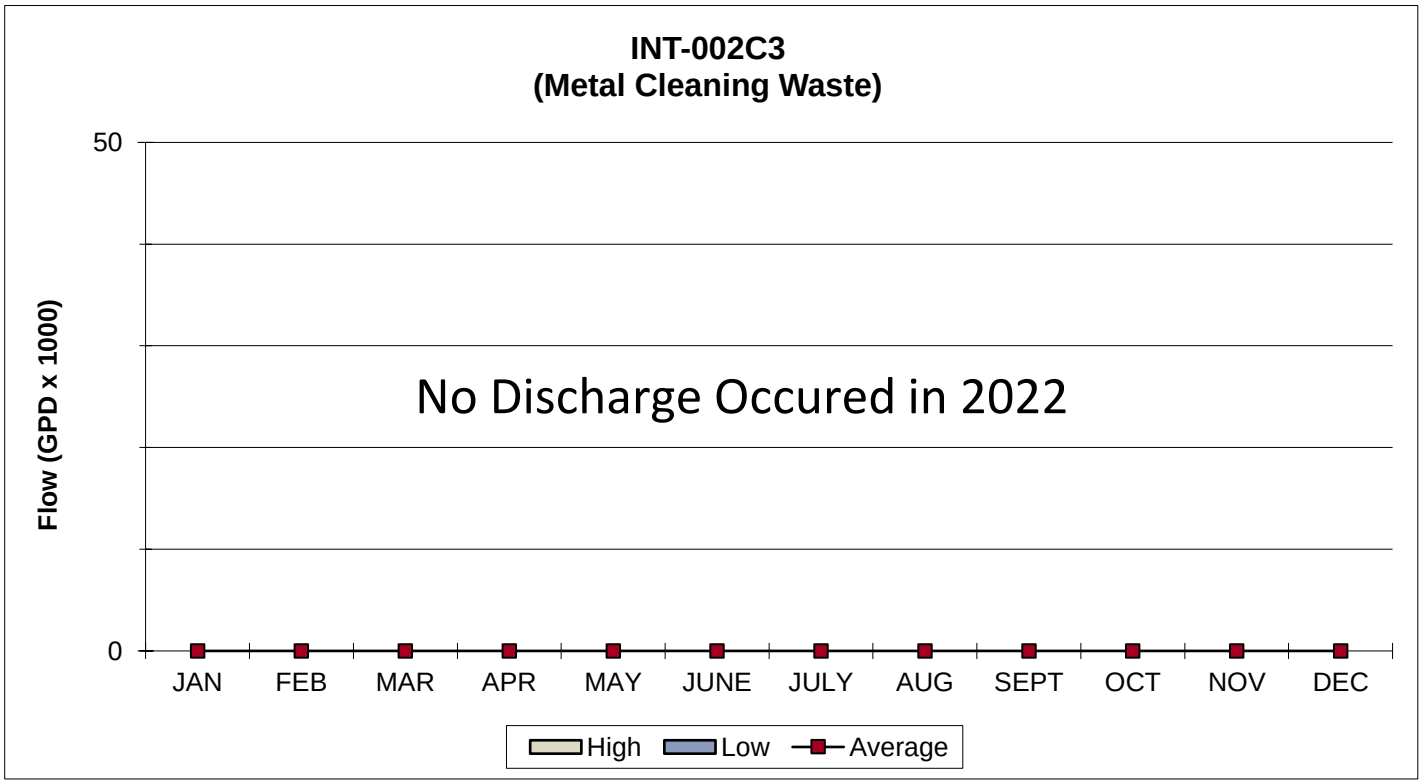
MOSS LANDING POWER PLANT
NPDES ANNUAL SUMMARY REPORT - 2022



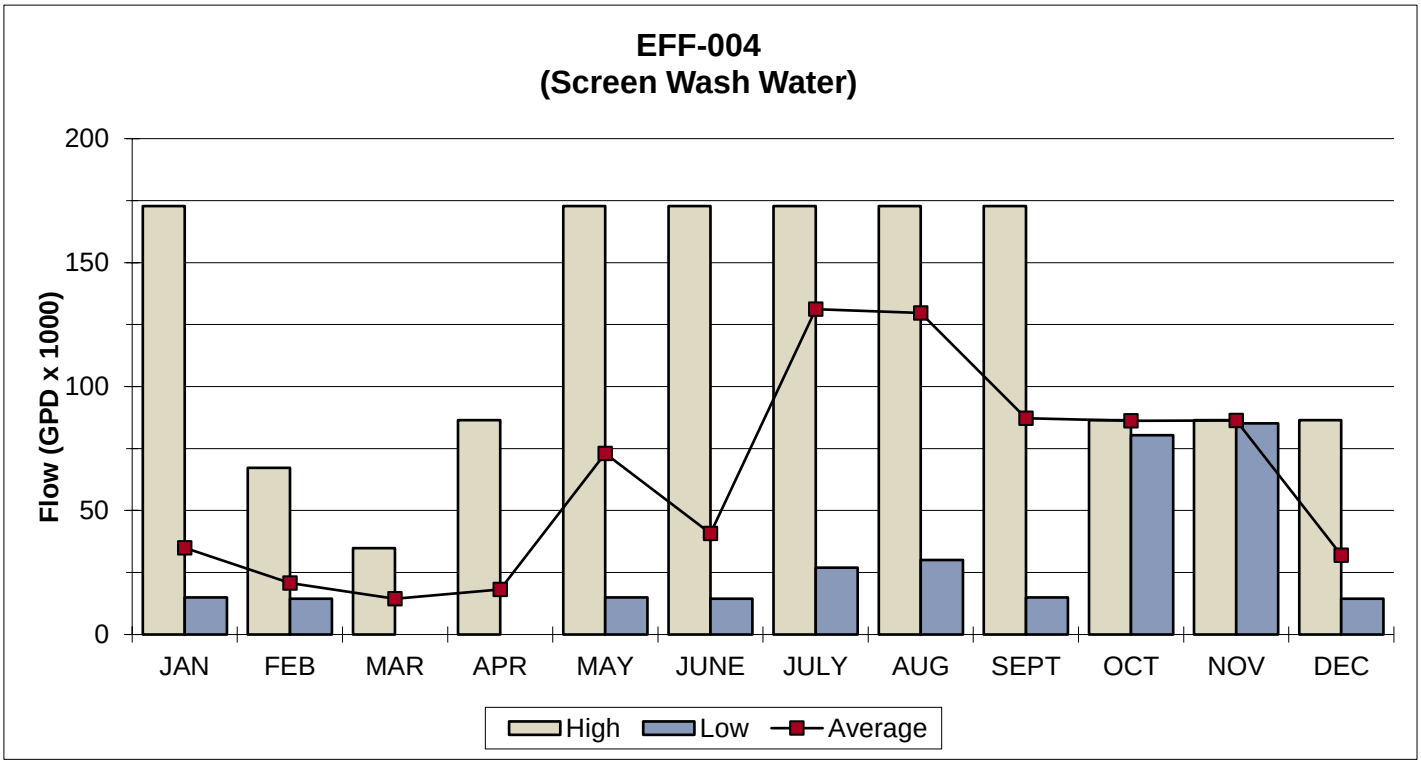


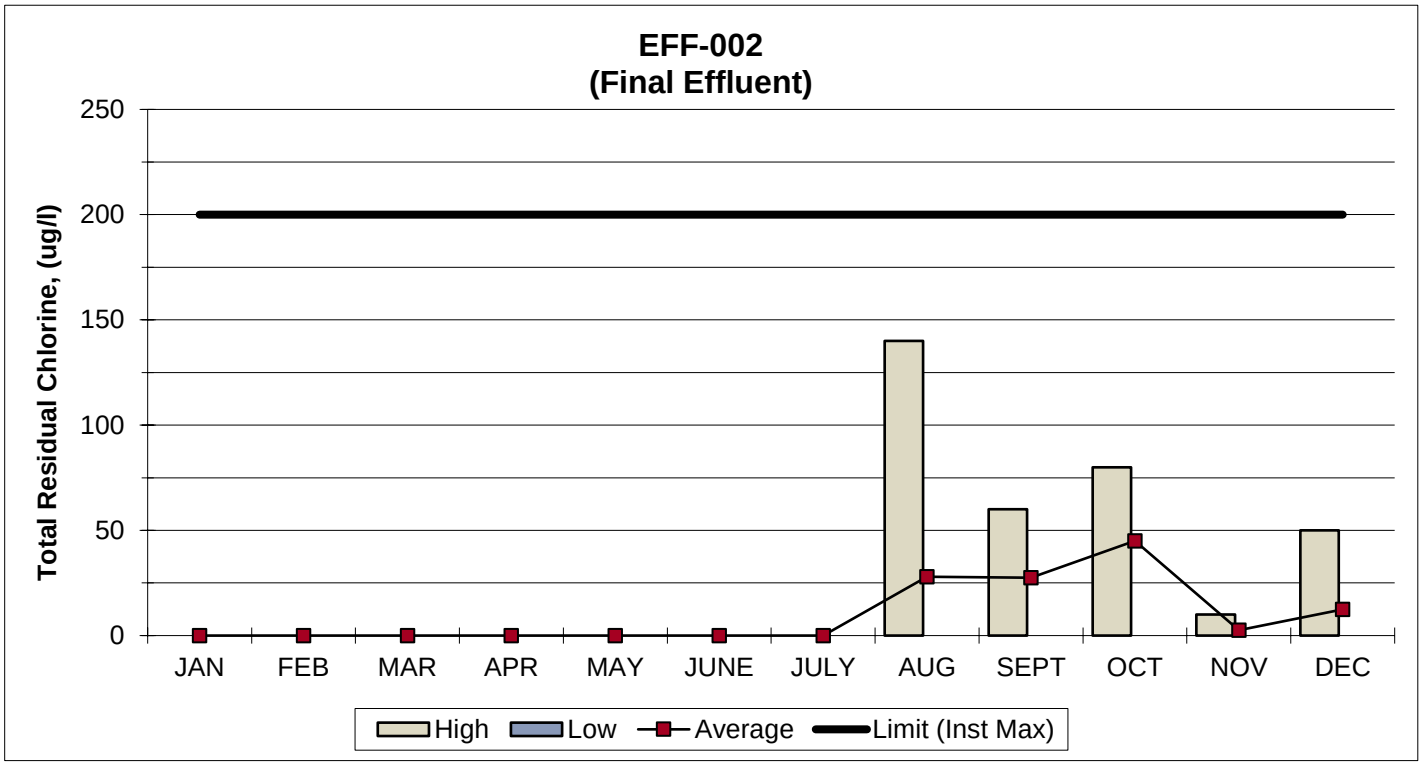
MOSS LANDING POWER PLANT
NPDES ANNUAL SUMMARY REPORT - 2022



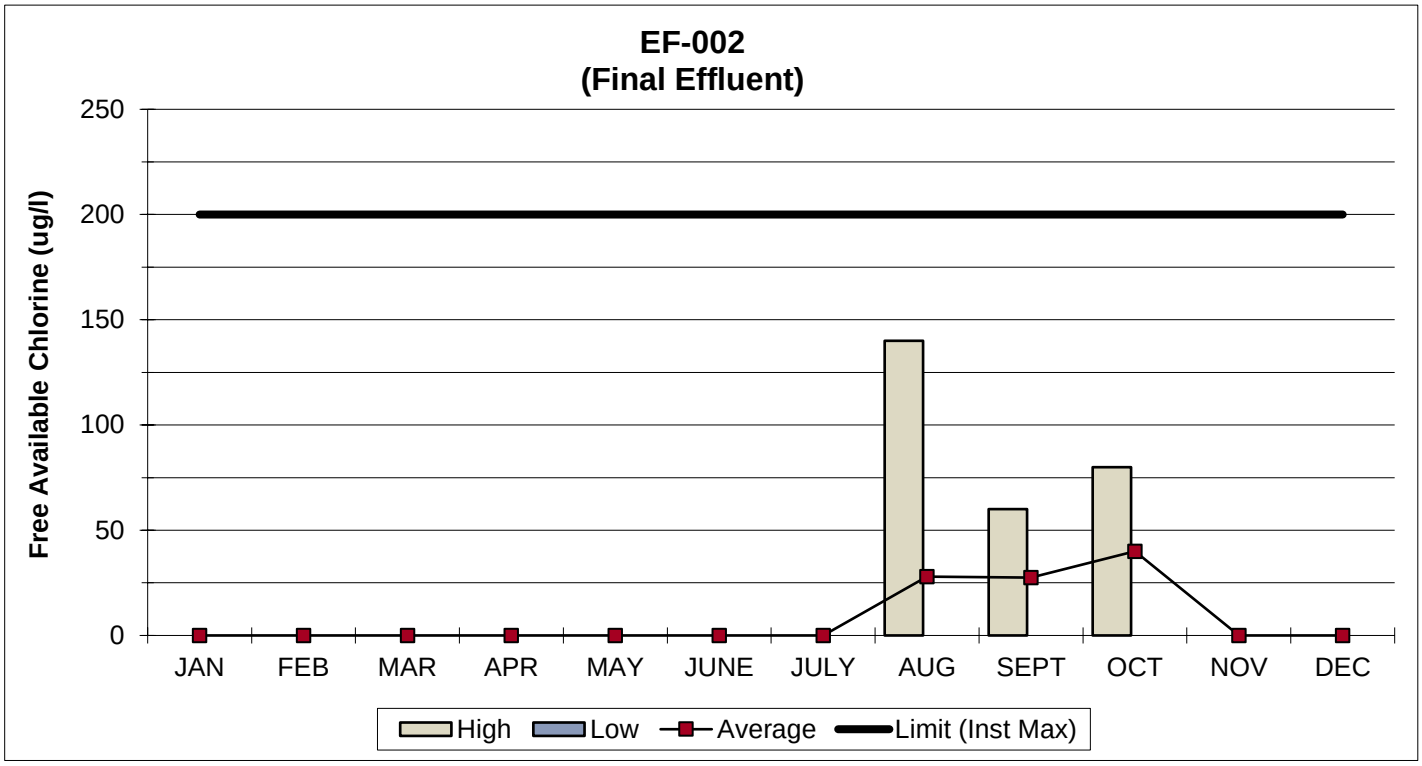


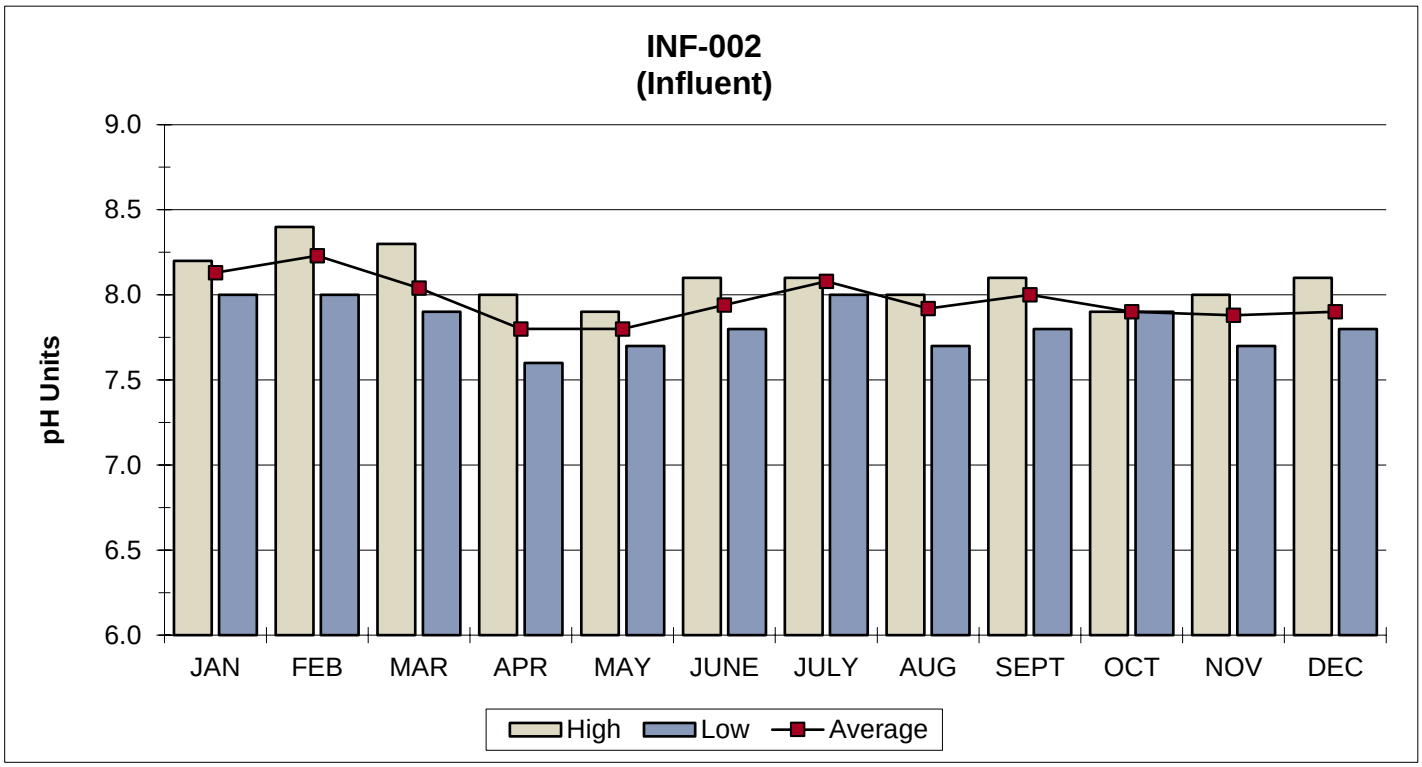
MOSS LANDING POWER PLANT
NPDES ANNUAL SUMMARY REPORT - 2022



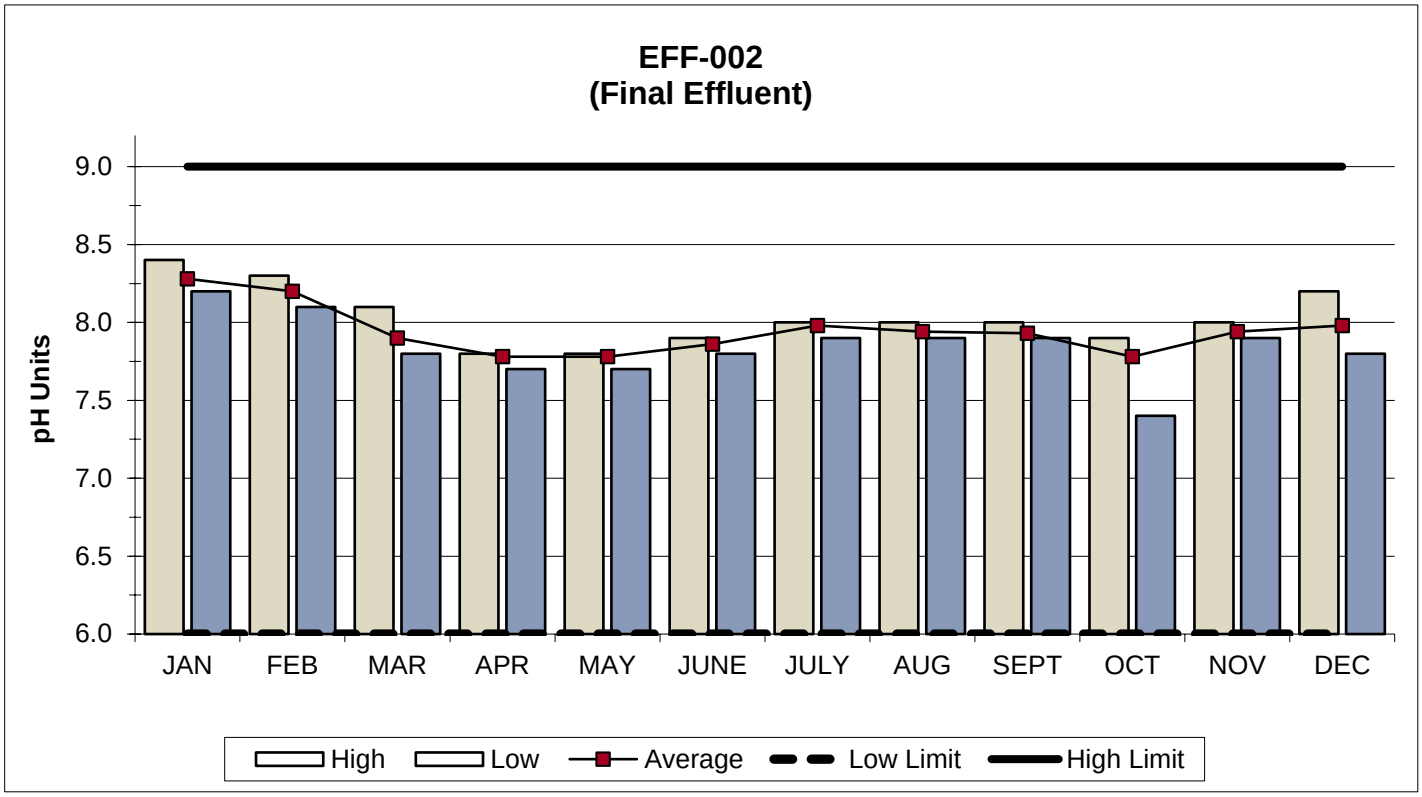


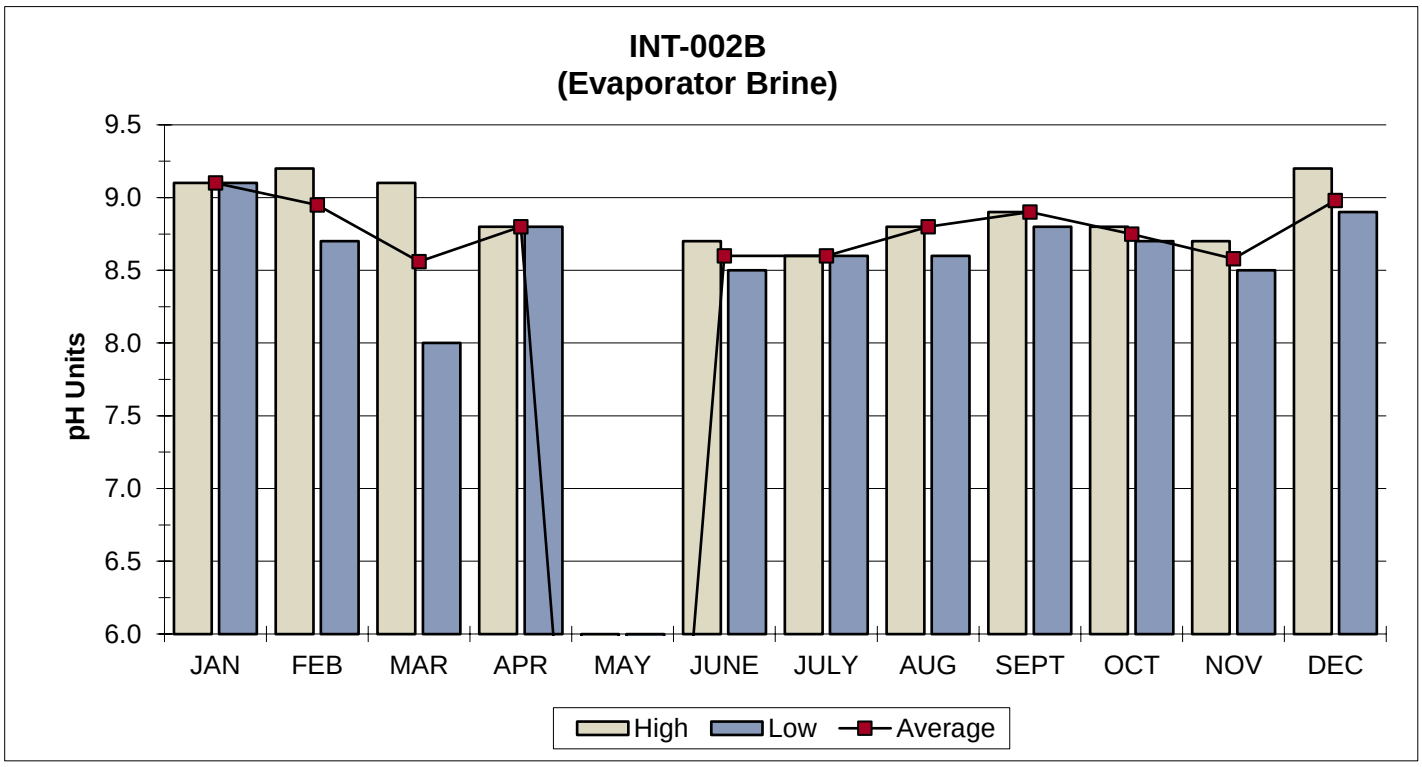
MOSS LANDING POWER PLANT
NPDES ANNUAL SUMMARY REPORT - 2022



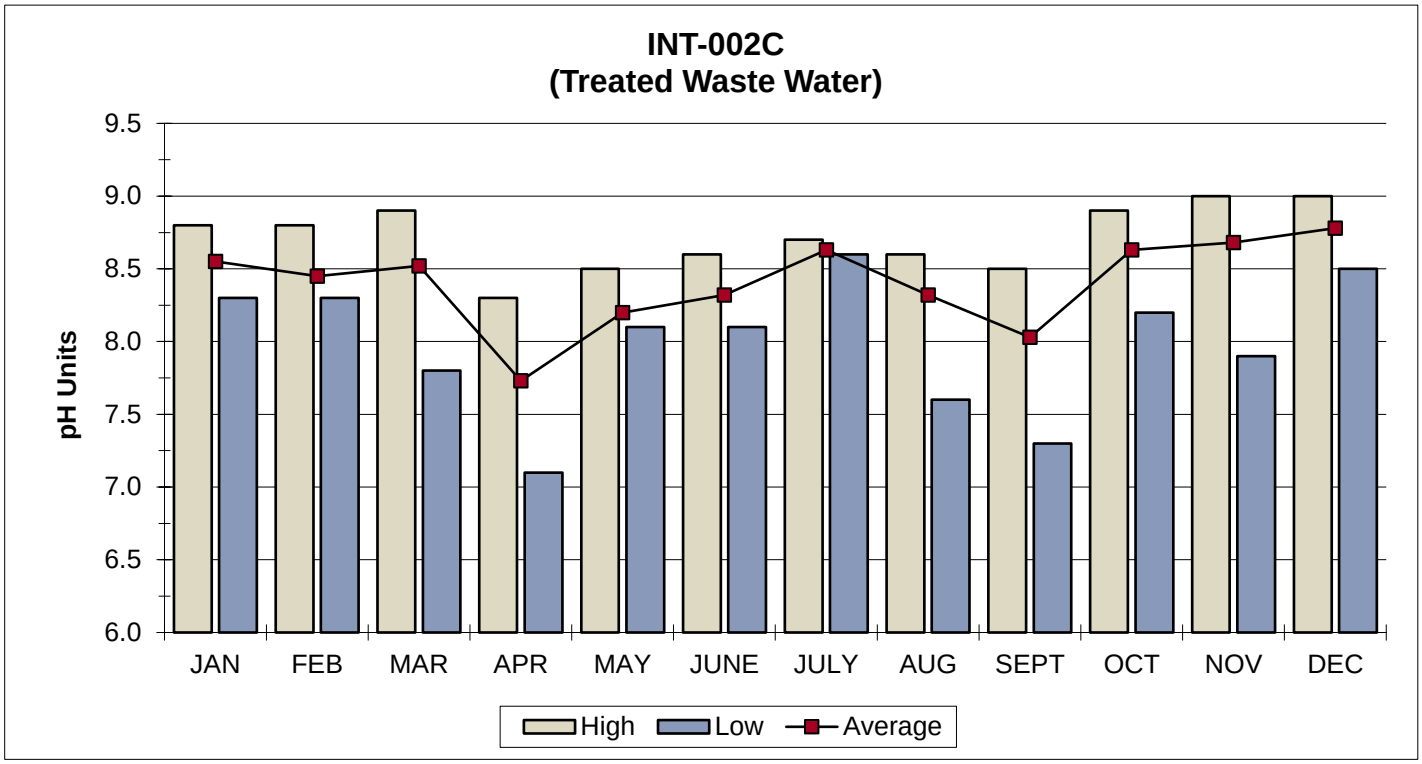


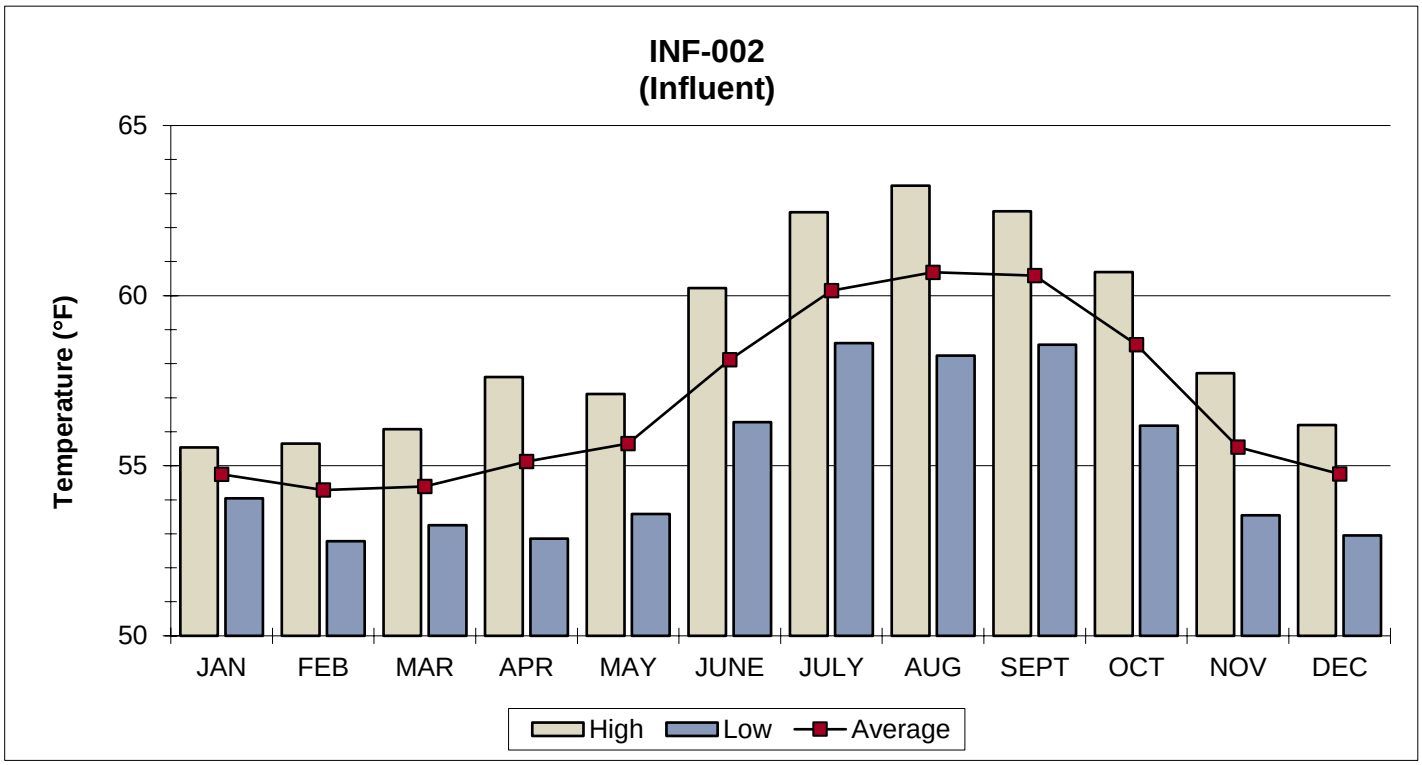
MOSS LANDING POWER PLANT
NPDES ANNUAL SUMMARY REPORT - 2022



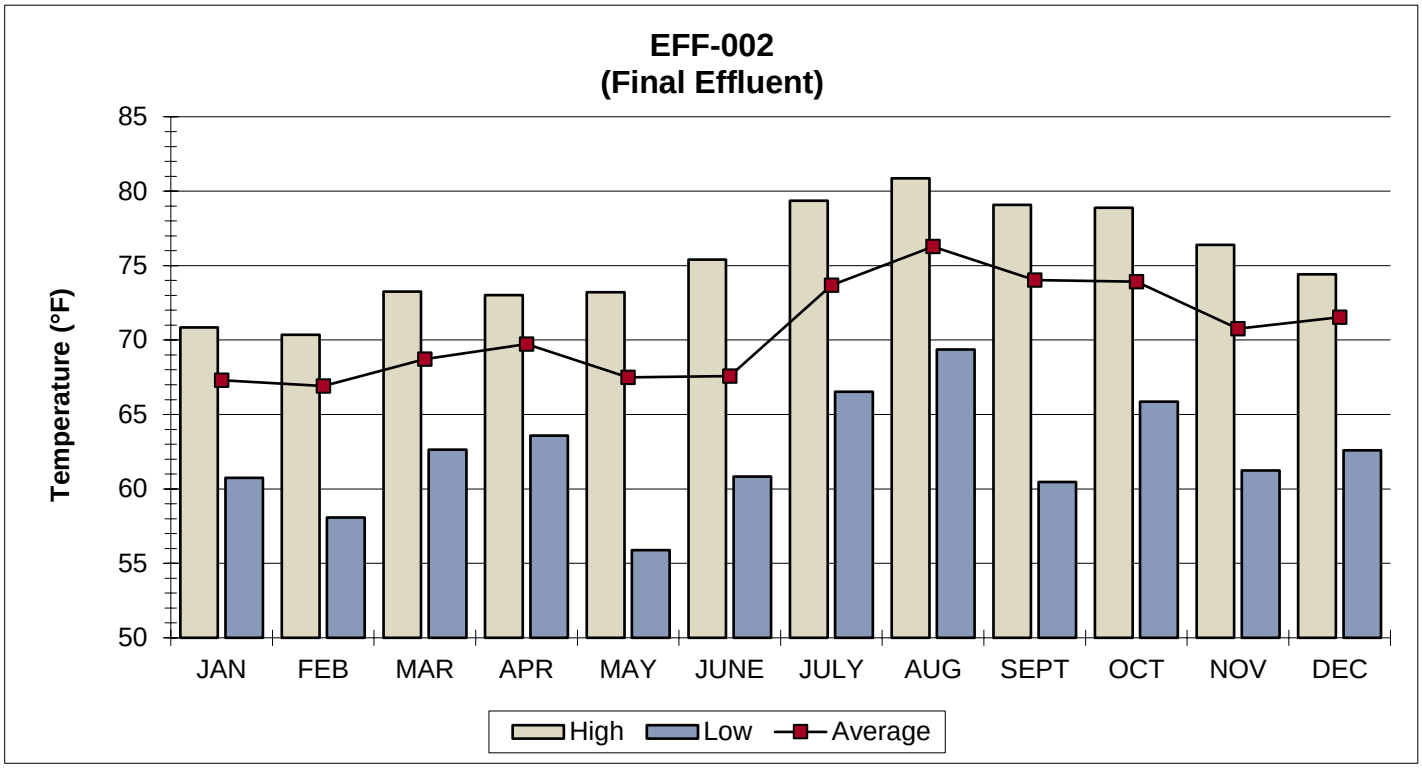


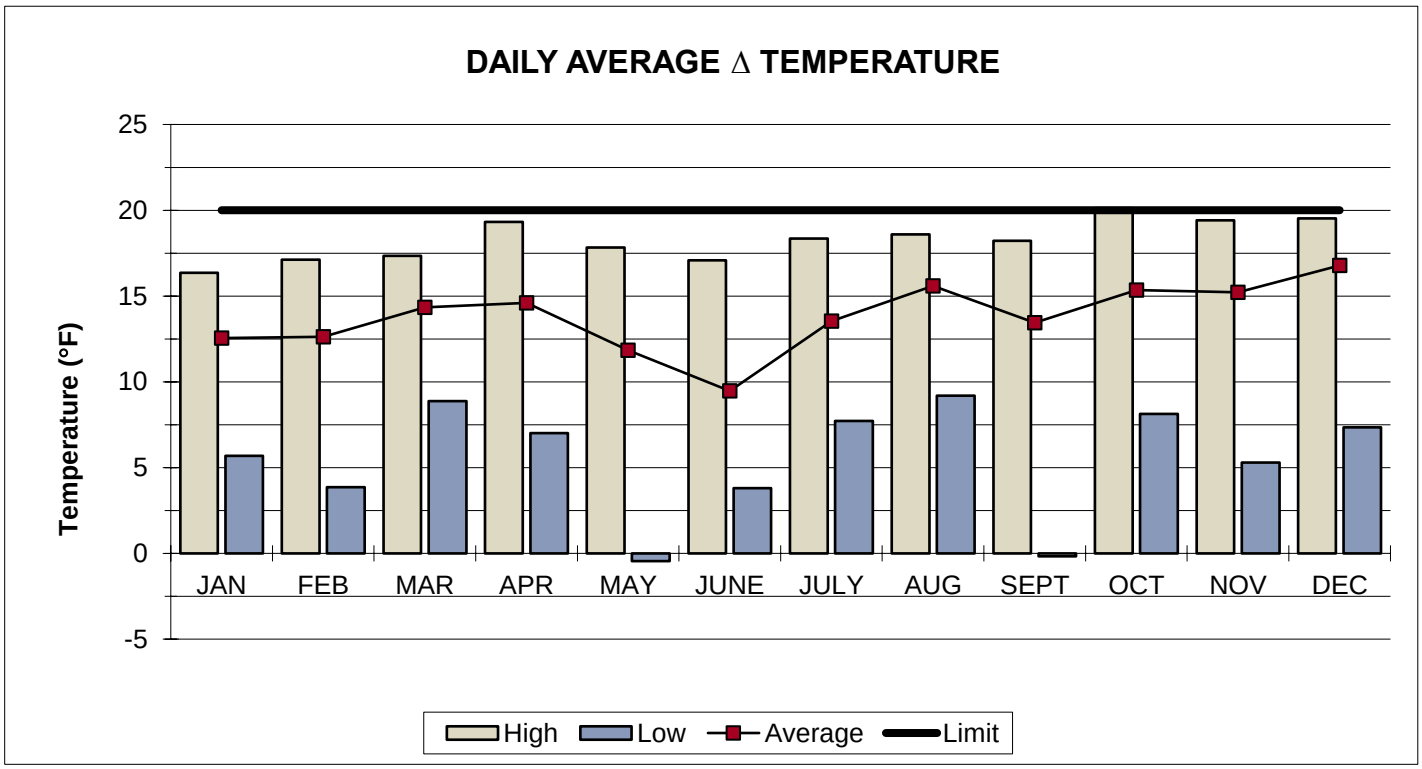
MOSS LANDING POWER PLANT
NPDES ANNUAL SUMMARY REPORT - 2022



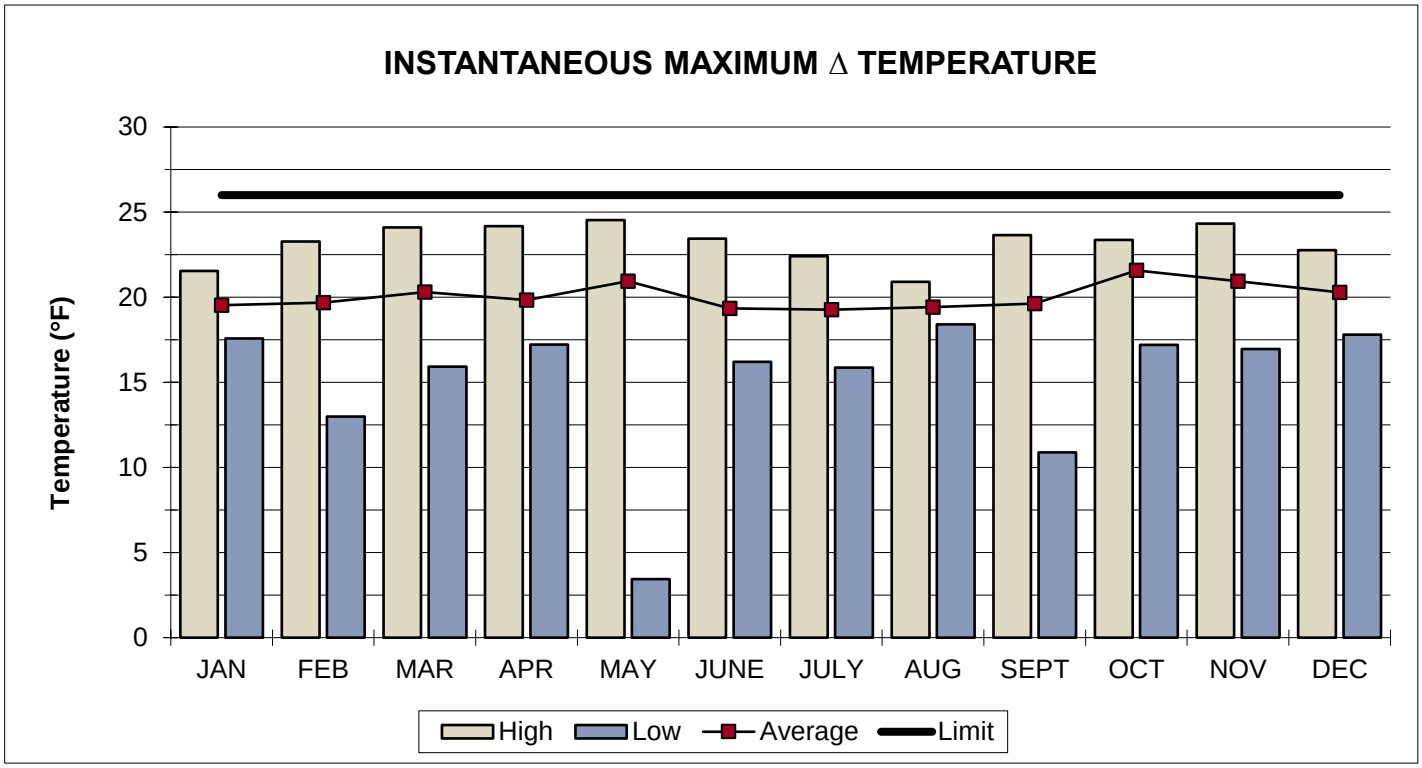


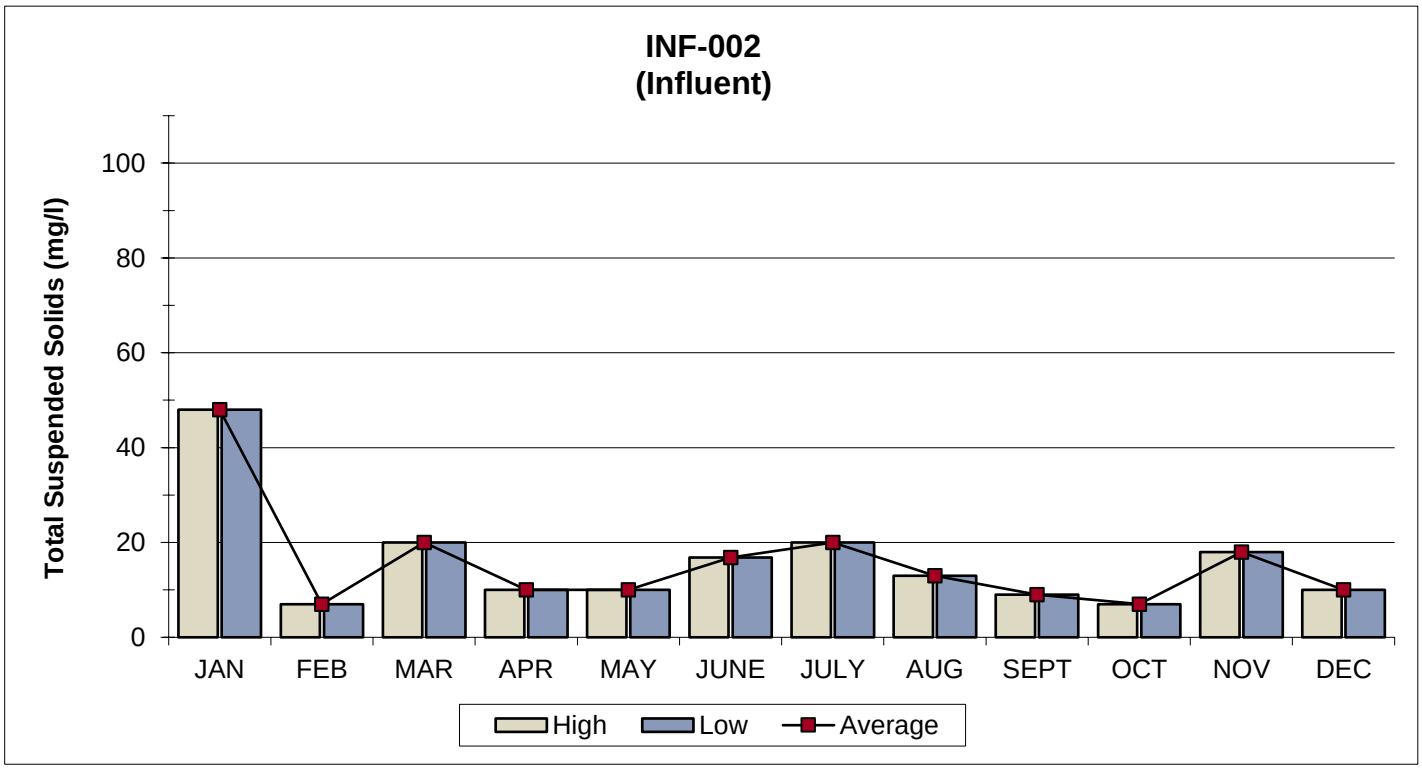
MOSS LANDING POWER PLANT
NPDES ANNUAL SUMMARY REPORT - 2022



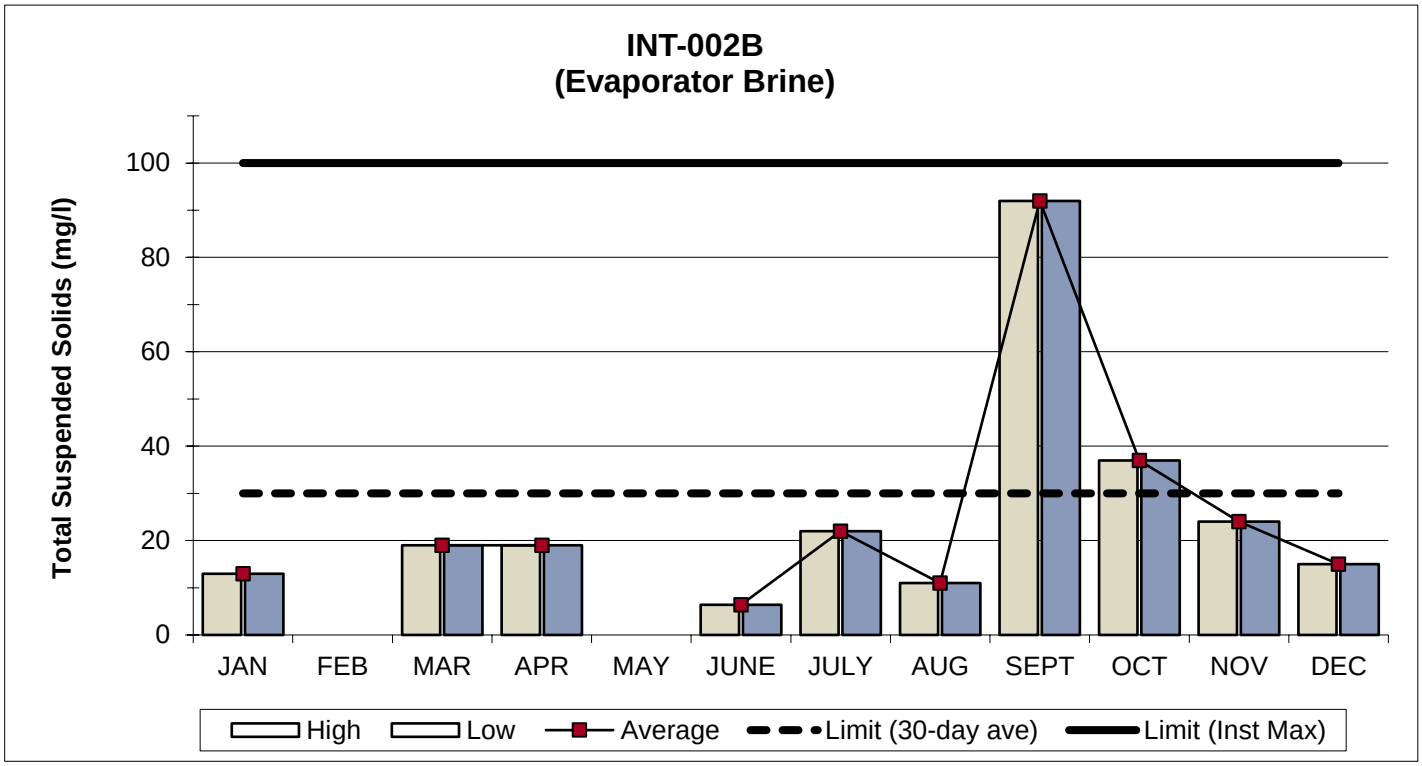


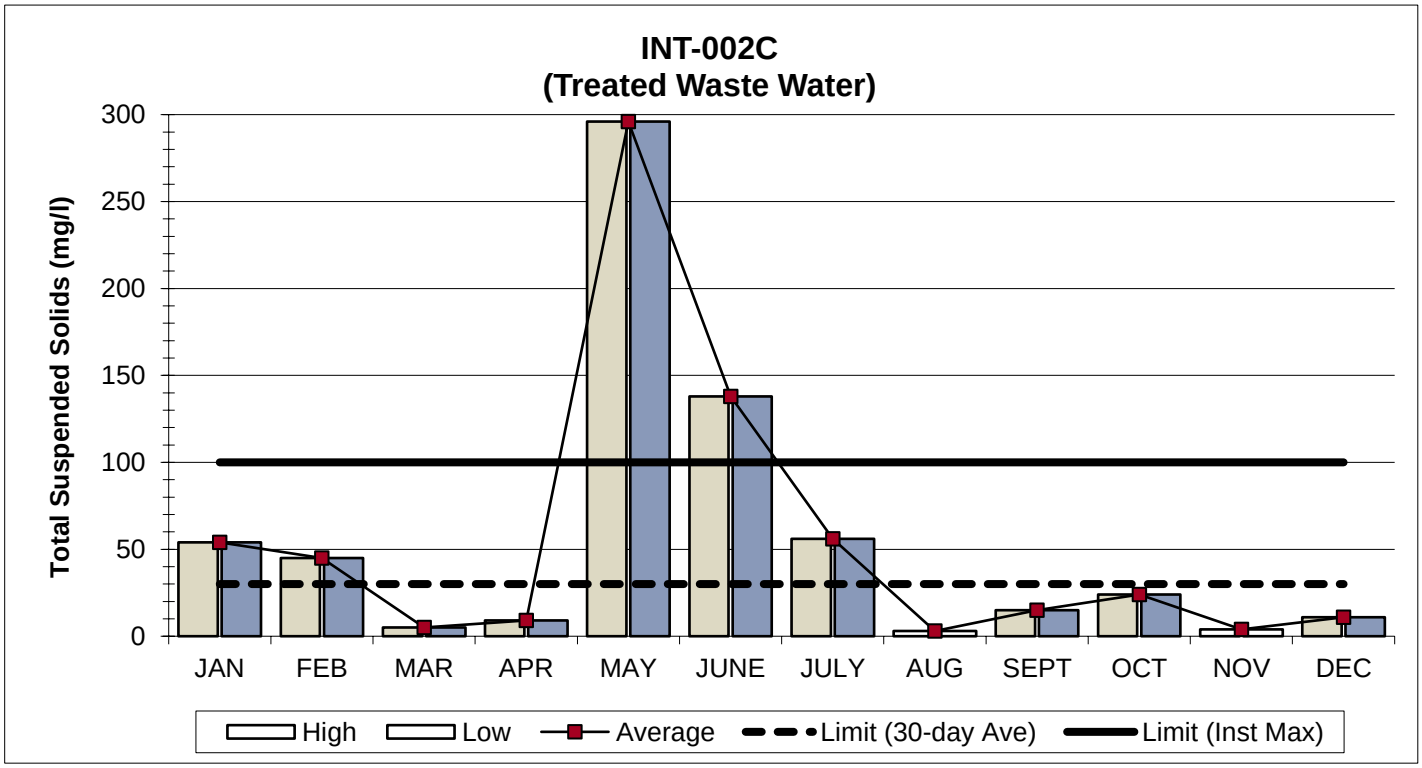
MOSS LANDING POWER PLANT
NPDES ANNUAL SUMMARY REPORT - 2022



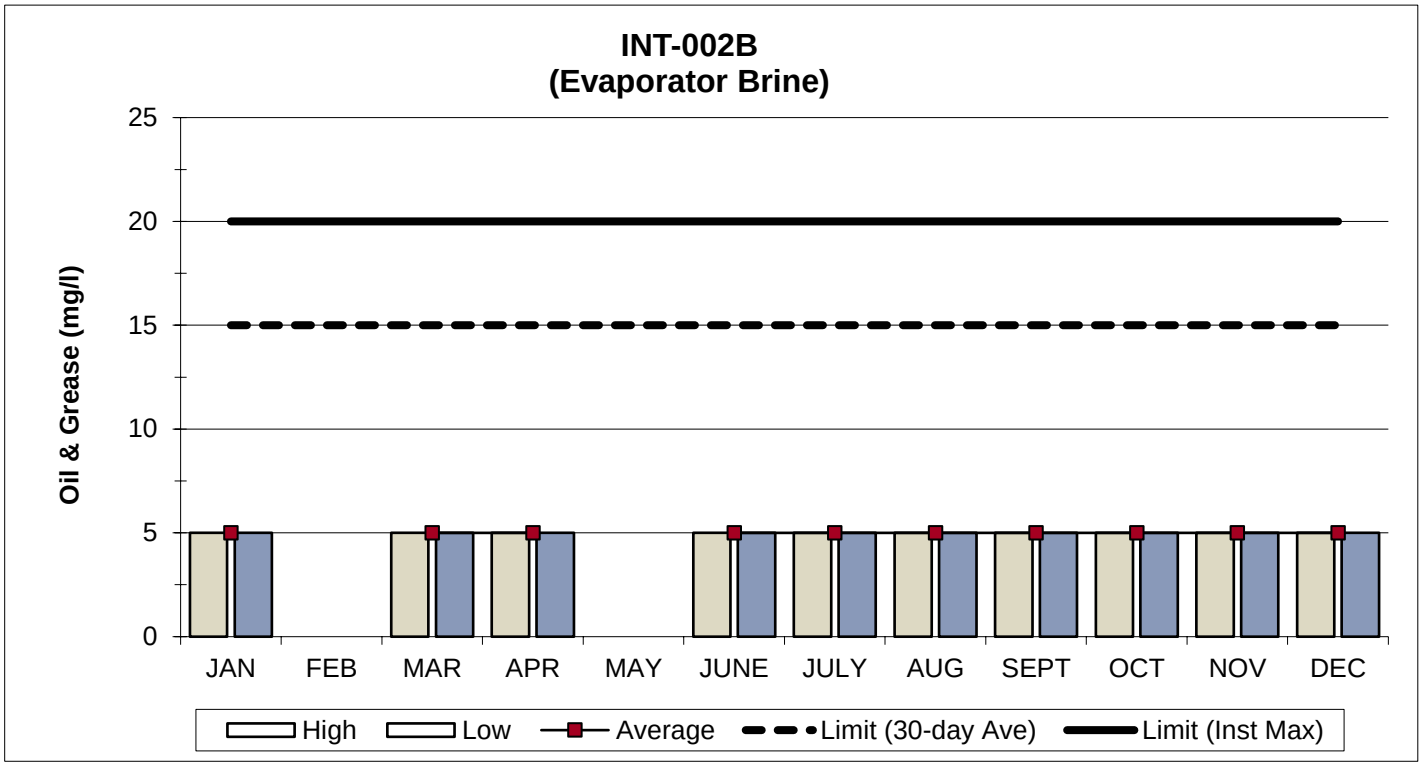


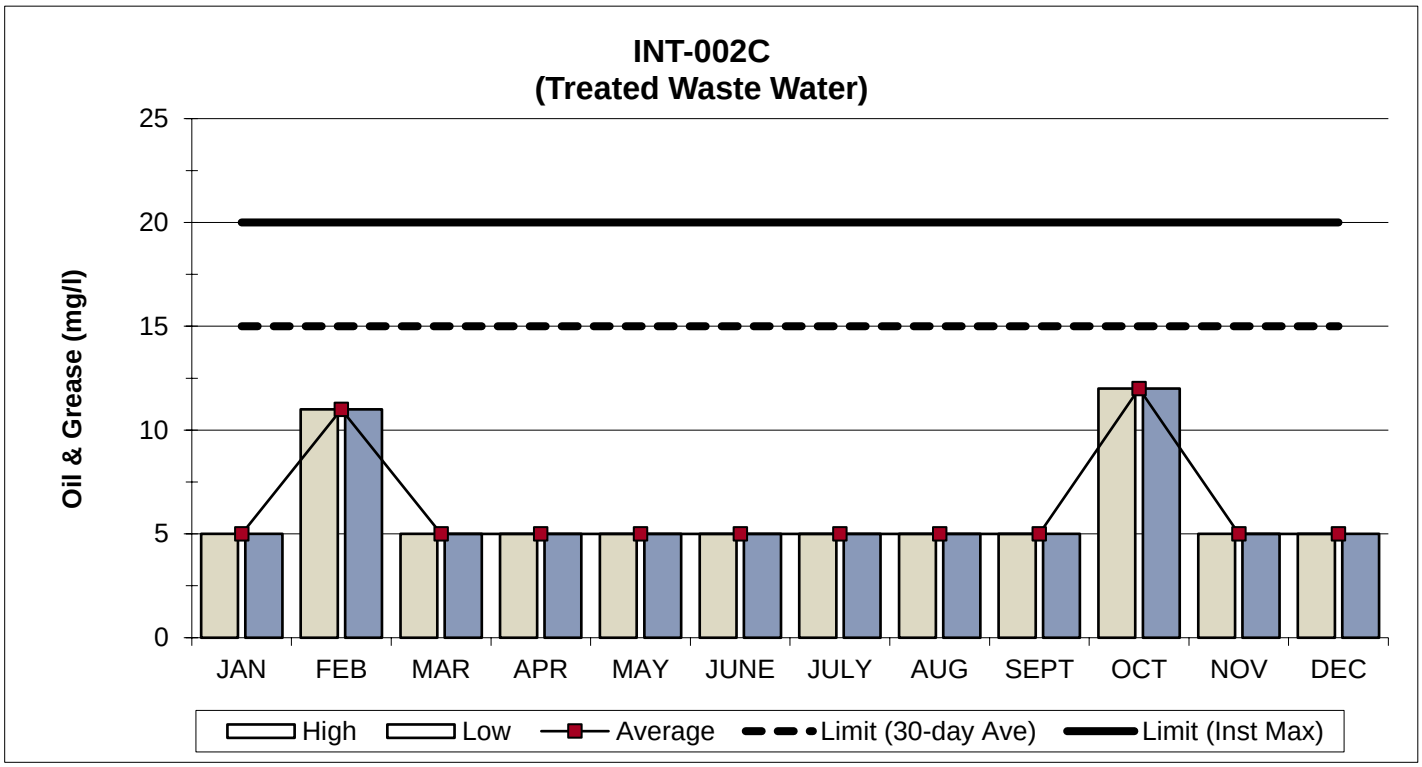
MOSS LANDING POWER PLANT
NPDES ANNUAL SUMMARY REPORT - 2022



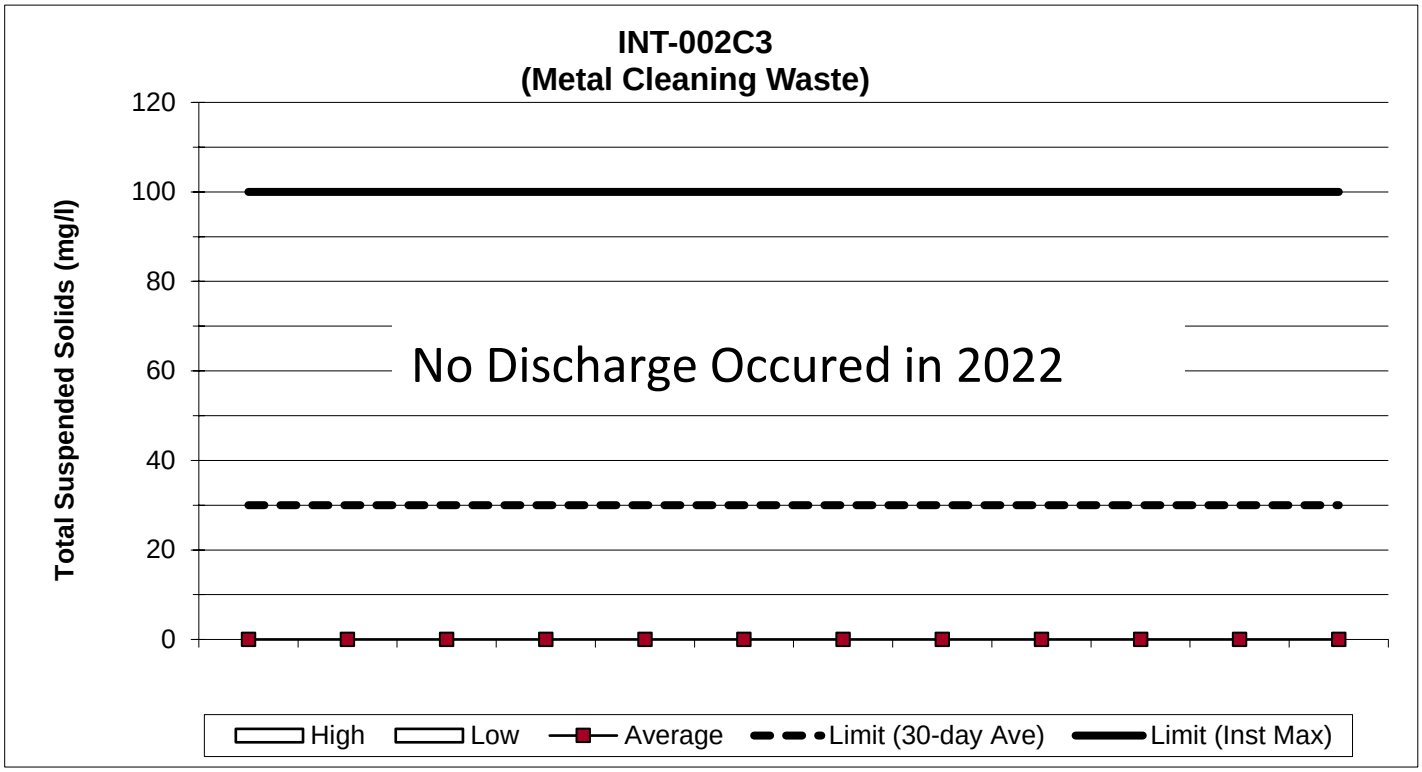


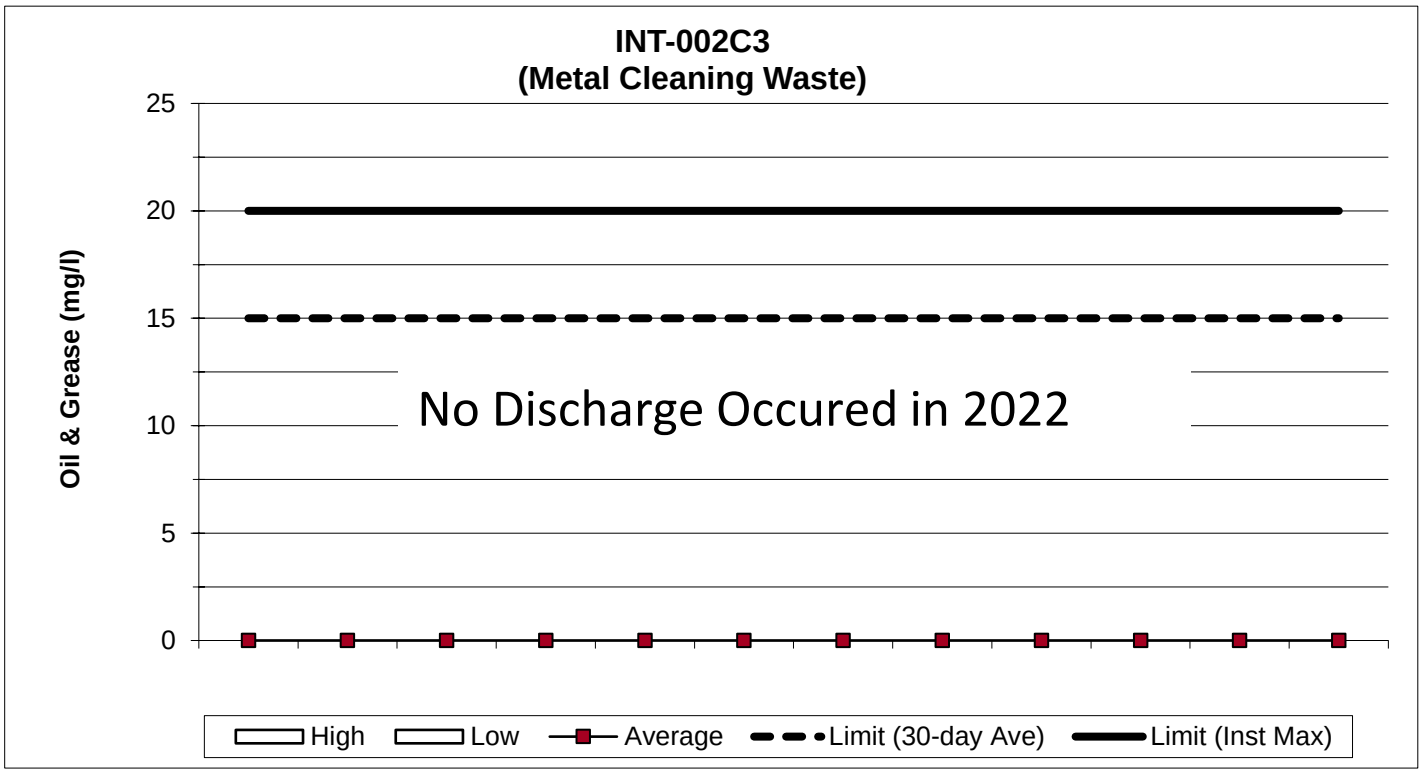
MOSS LANDING POWER PLANT
NPDES ANNUAL SUMMARY REPORT - 2022



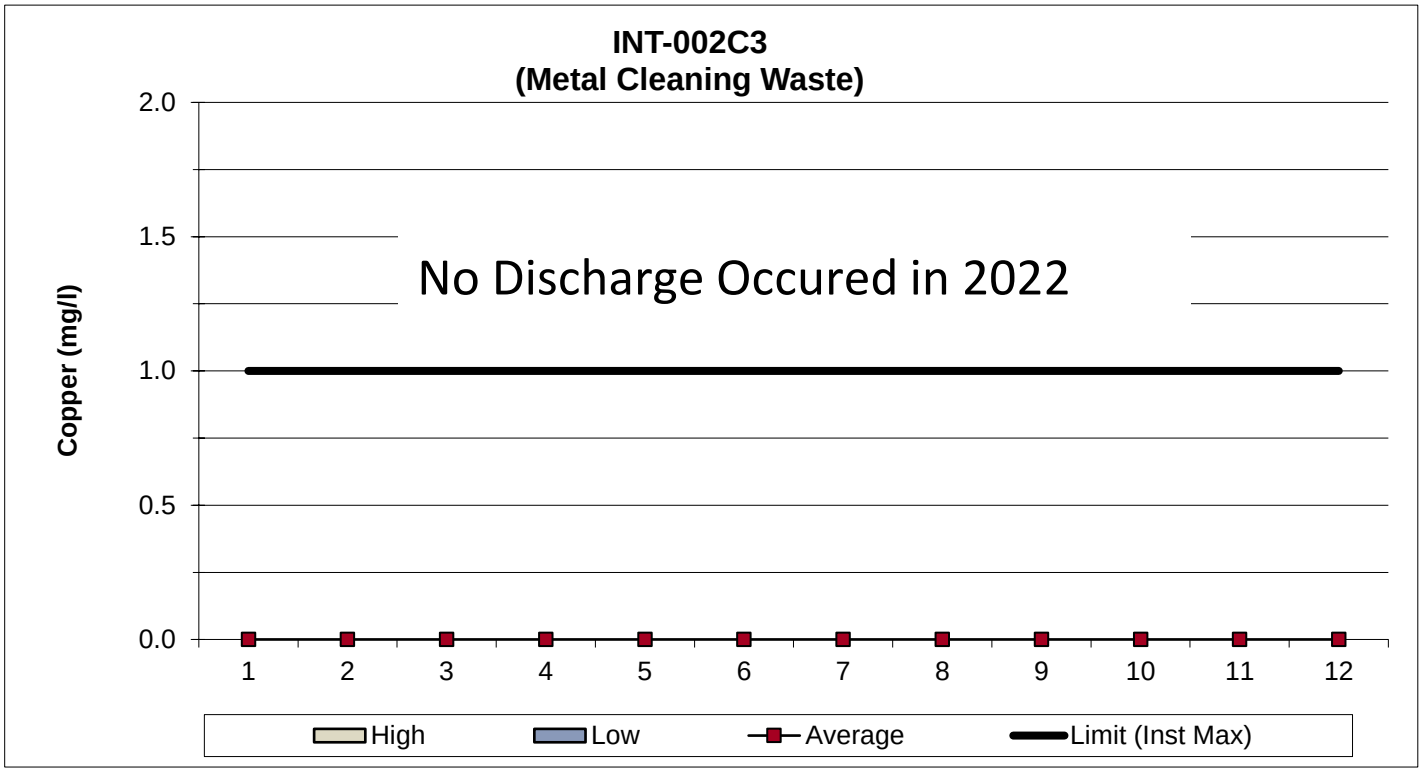


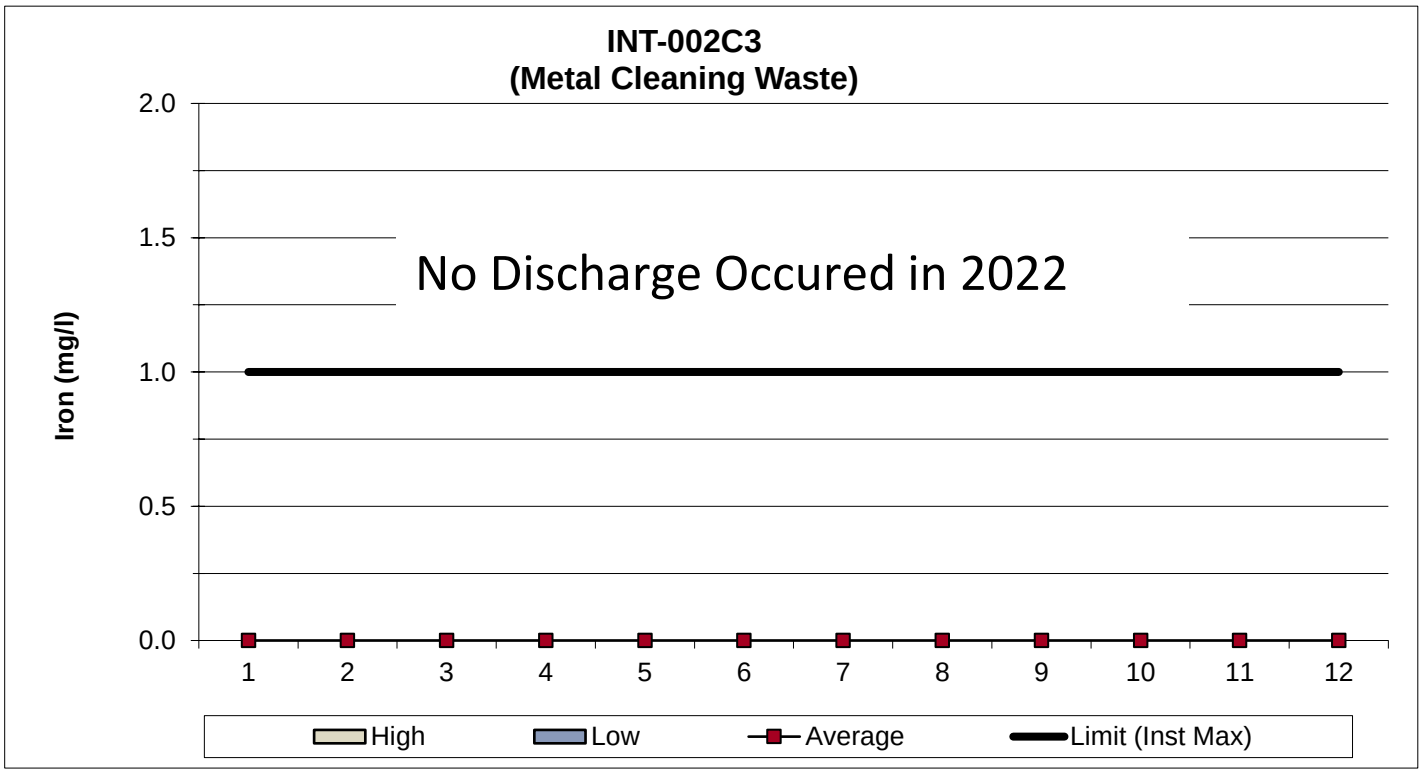
MOSS LANDING POWER PLANT
NPDES ANNUAL SUMMARY REPORT - 2022





MOSS LANDING POWER PLANT
NPDES ANNUAL SUMMARY REPORT - 2022

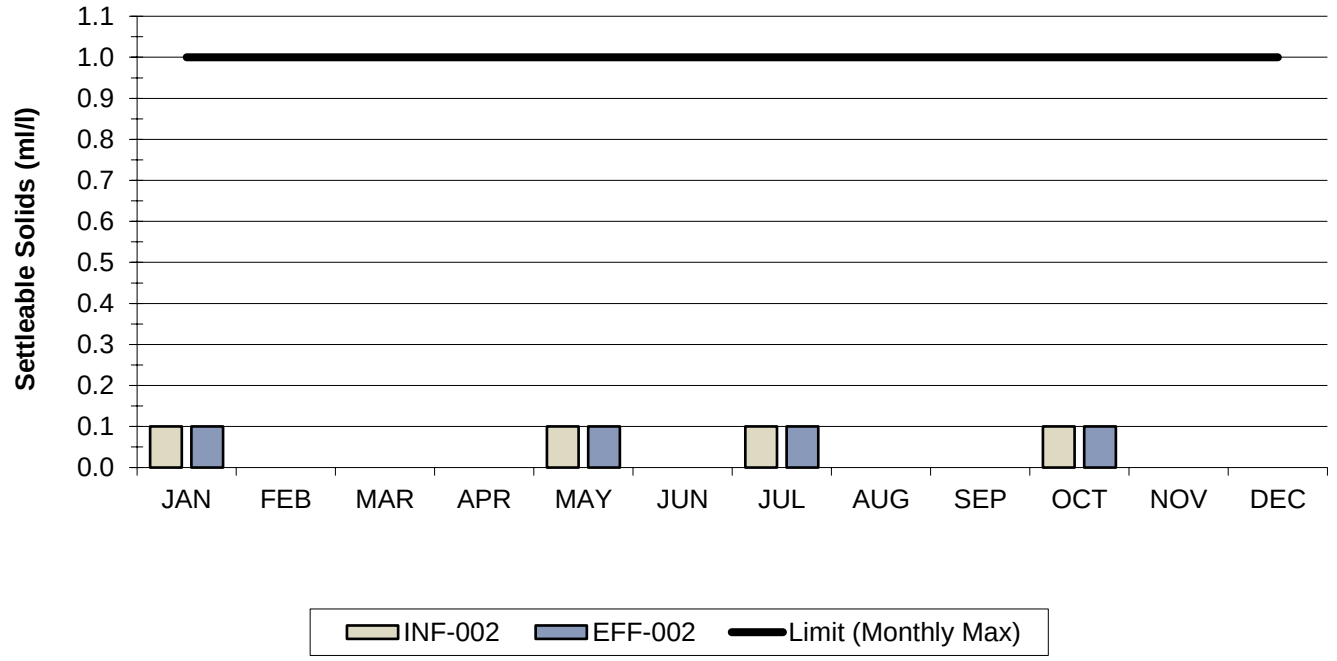




MOSS LANDING POWER PLANT
NPDES ANNUAL SUMMARY REPORT - 2022

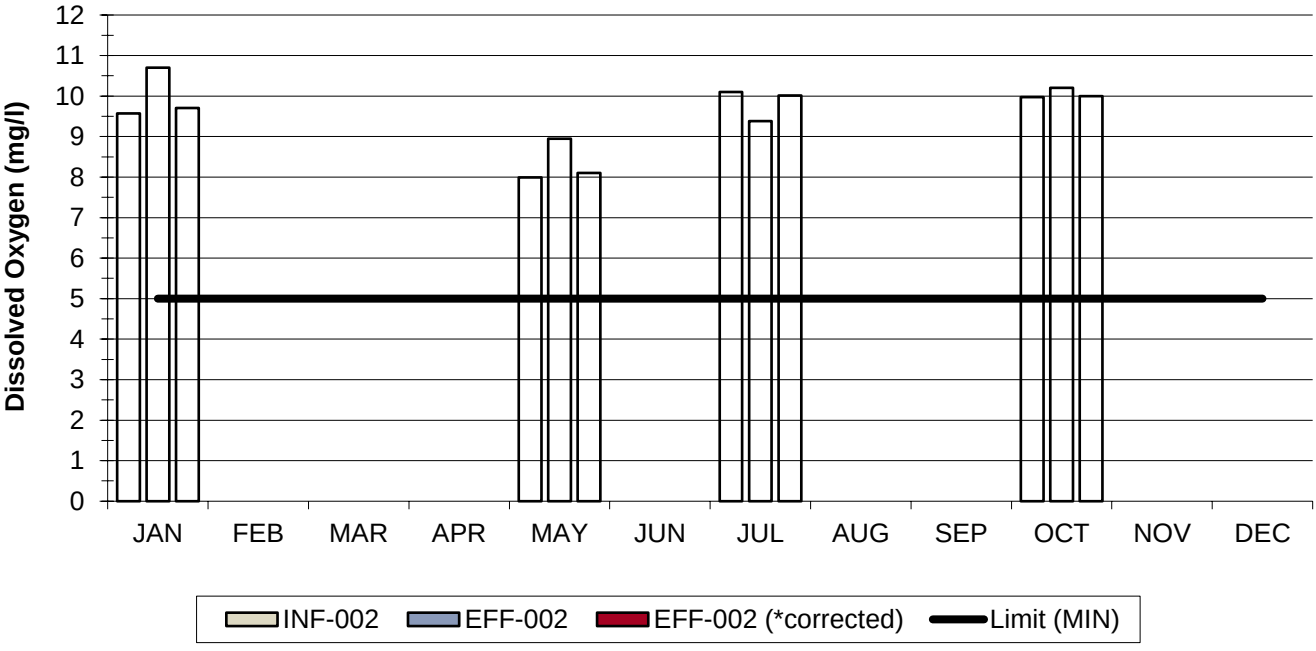
SETTLEABLE SOLIDS

1.5 ml\l Weekly Max, 3.0 ml/l Inst Max

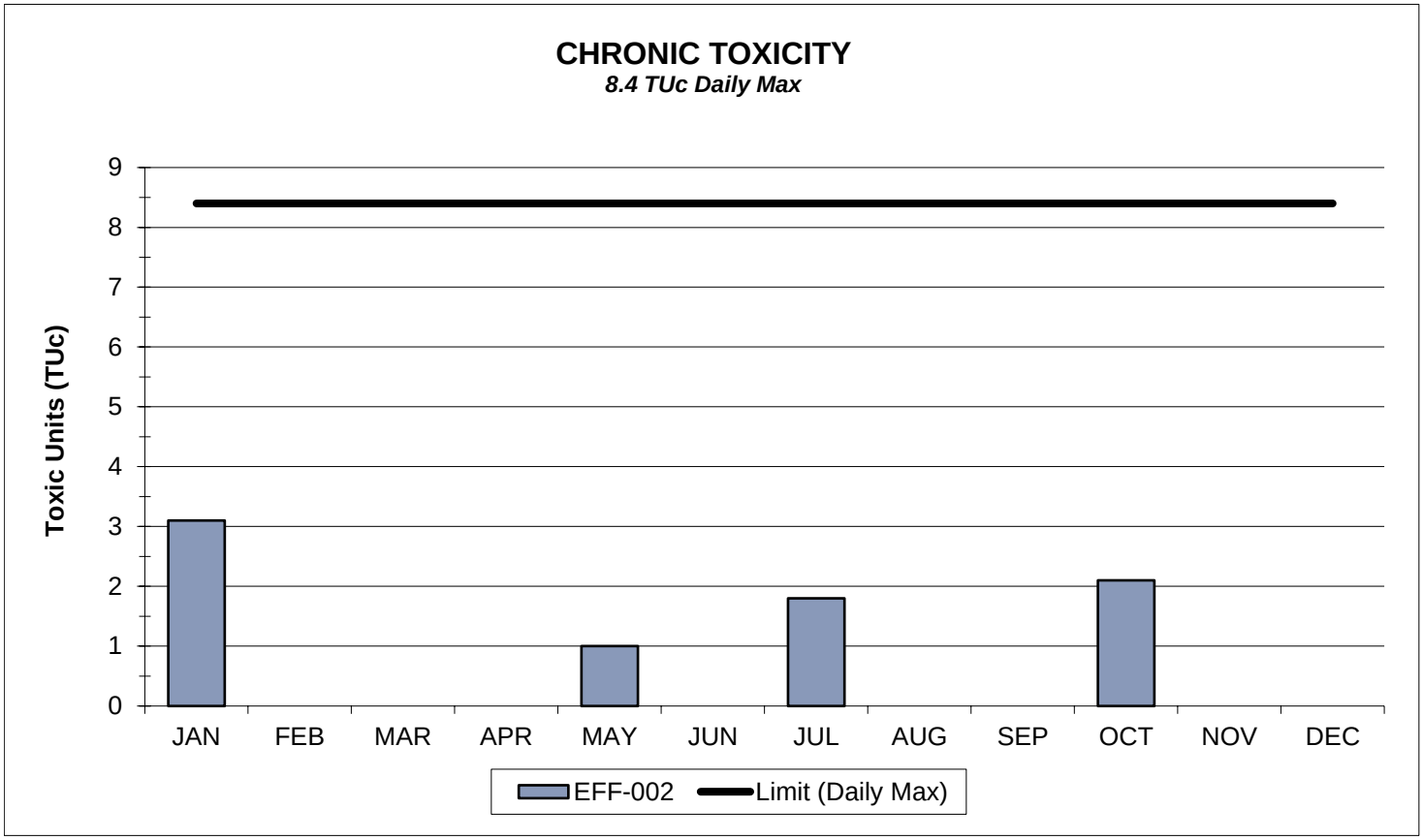


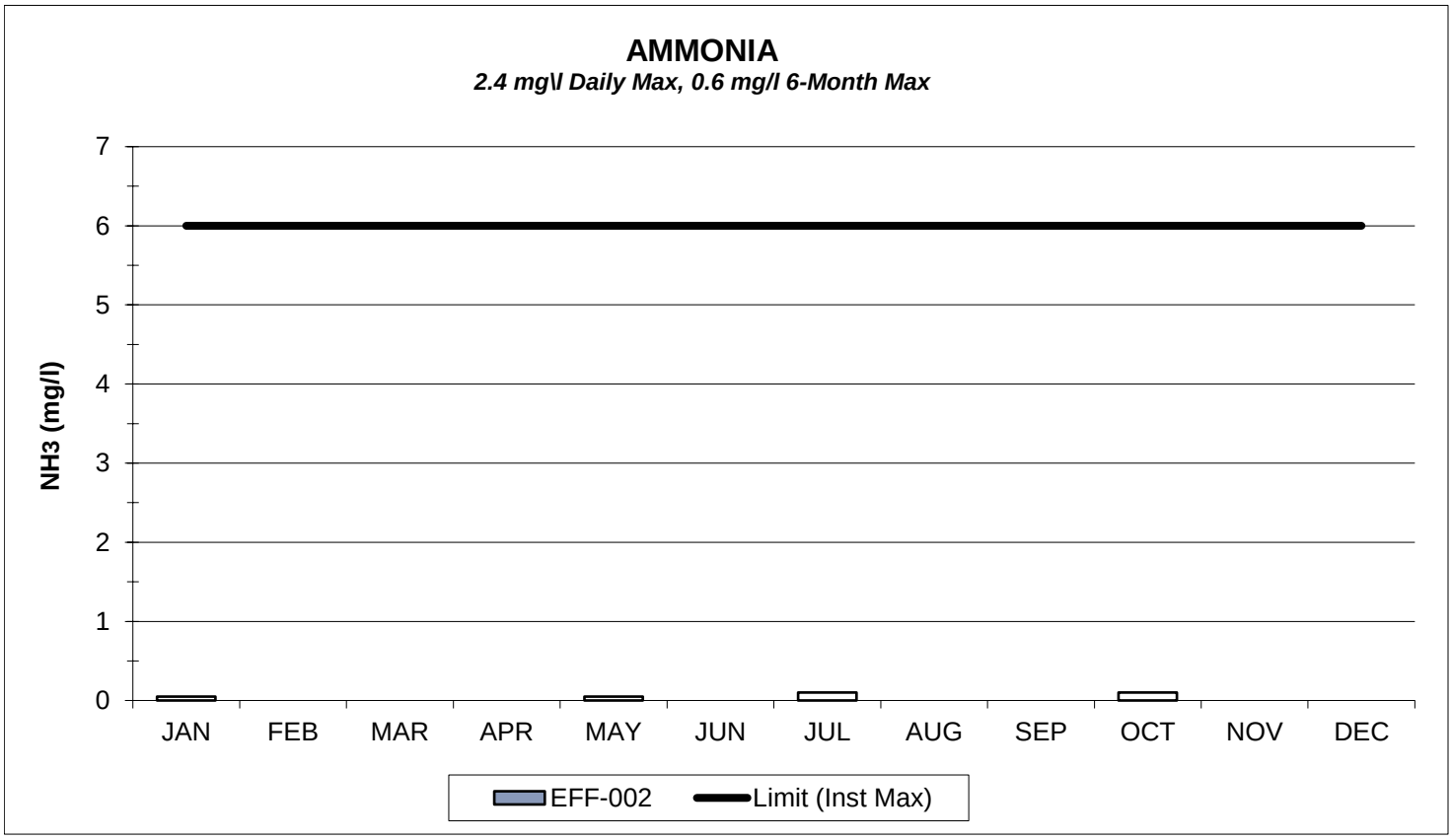
DISSOLVED OXYGEN

****corrected for 7.4:1 zone of initial dilution***



MOSS LANDING POWER PLANT
NPDES ANNUAL SUMMARY REPORT - 2022

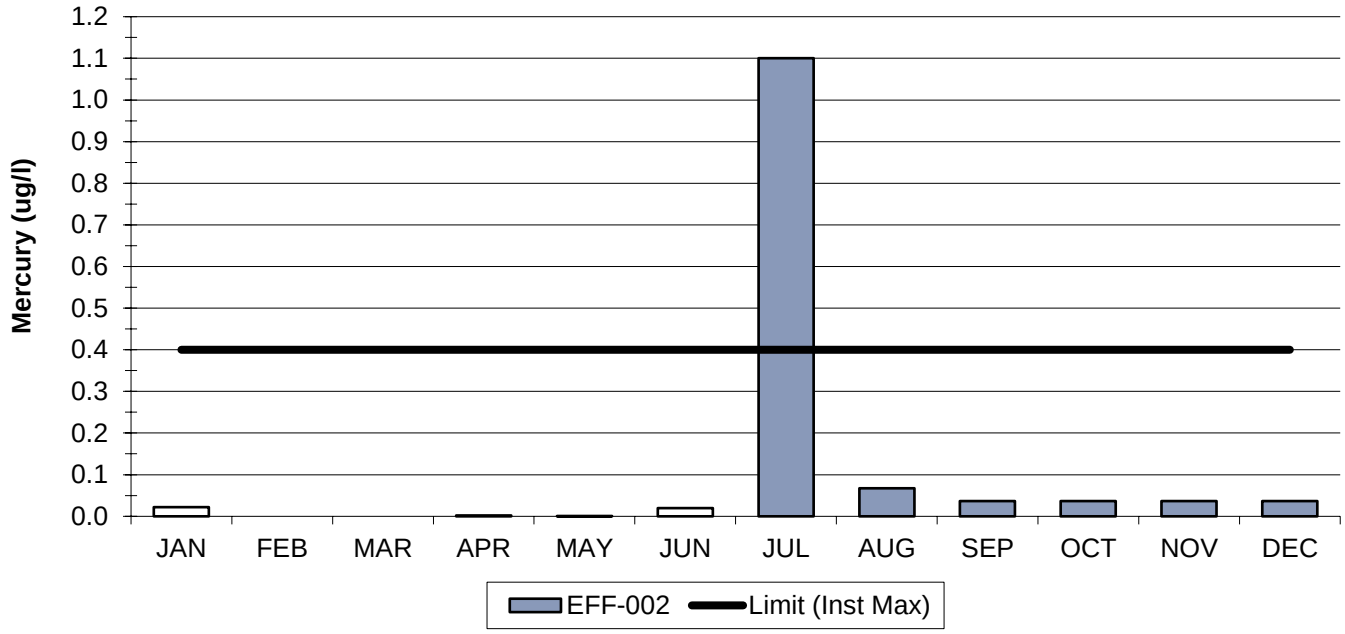




MOSS LANDING POWER PLANT
NPDES ANNUAL SUMMARY REPORT - 2022

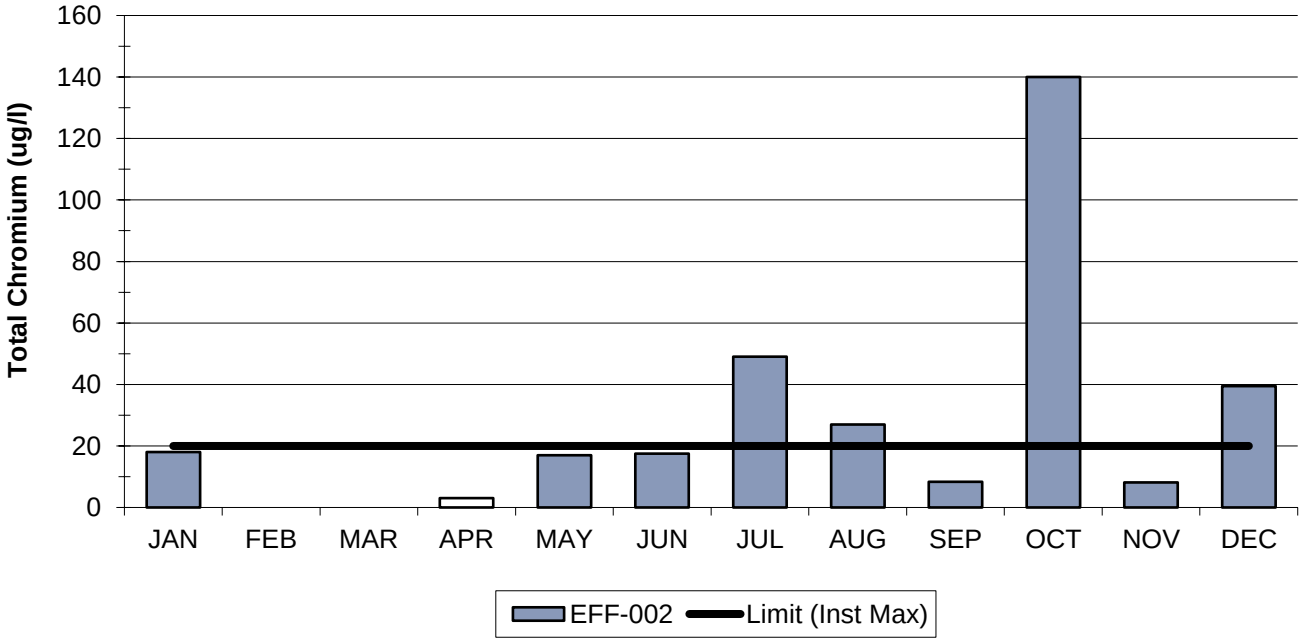
MERCURY

0.16 ug\l Daily Max, 0.04 ug/l 6-Month Max



TOTAL CHROMIUM

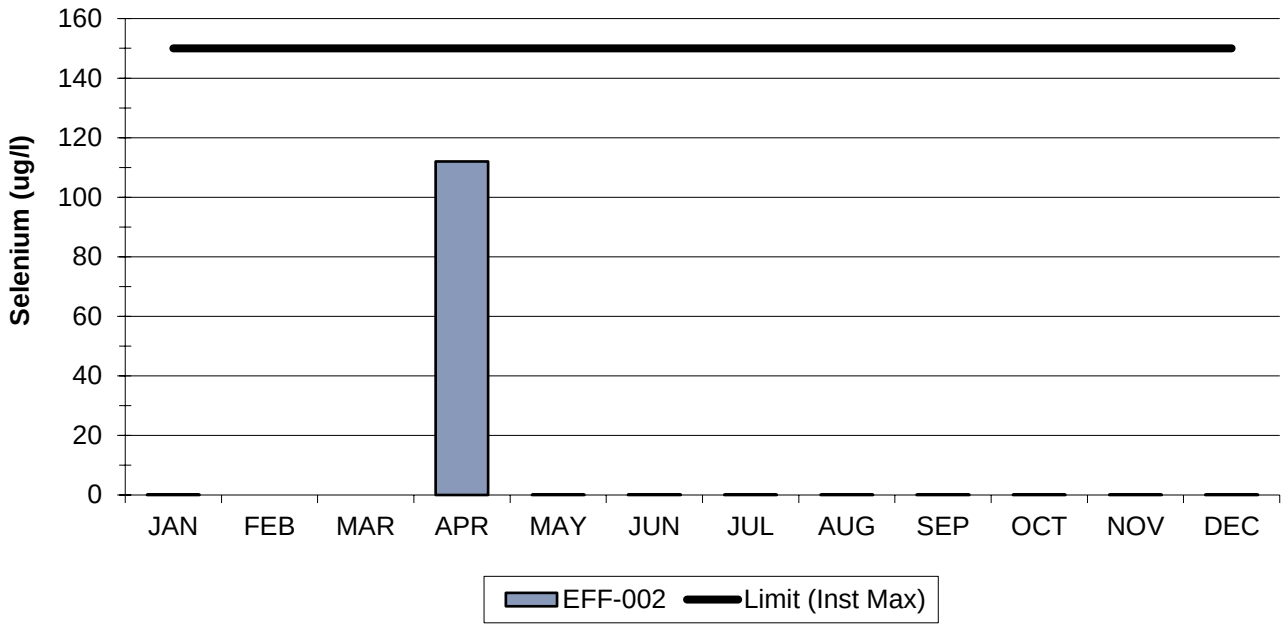
8 ug\l Daily Max, 2 ug/l 6-Month Max



MOSS LANDING POWER PLANT
NPDES ANNUAL SUMMARY REPORT - 2022

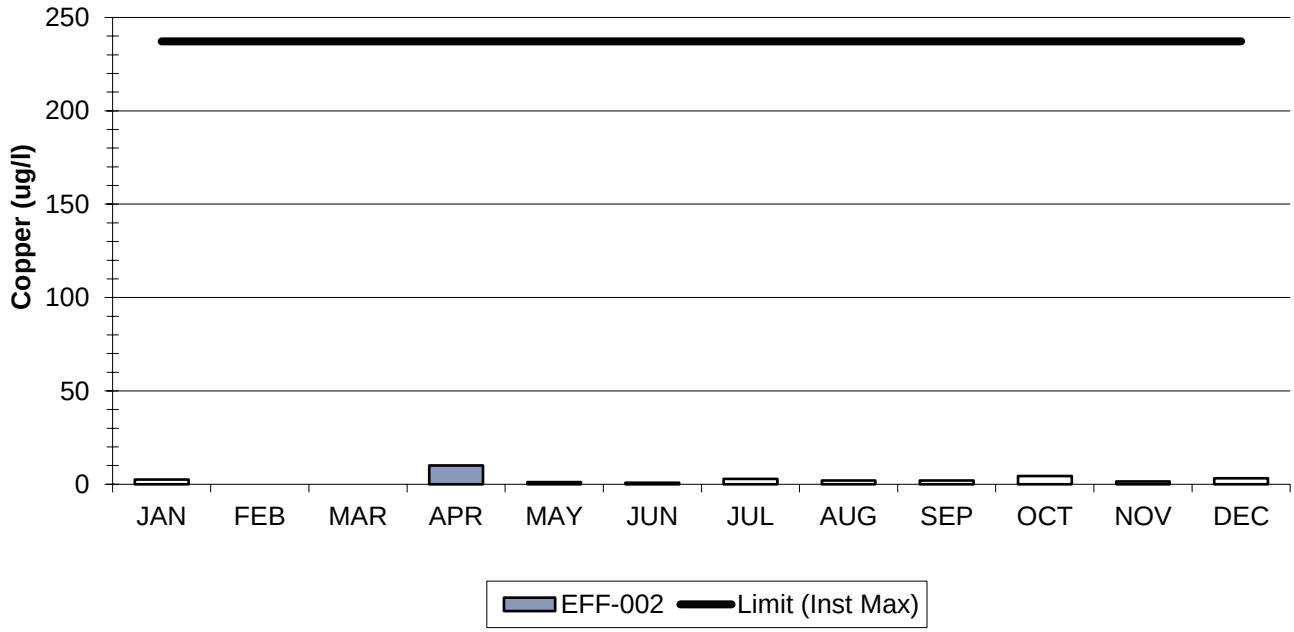
SELENIUM

60 ug\l Daily Max, 15 ug/l 6-Month Max



COPPER

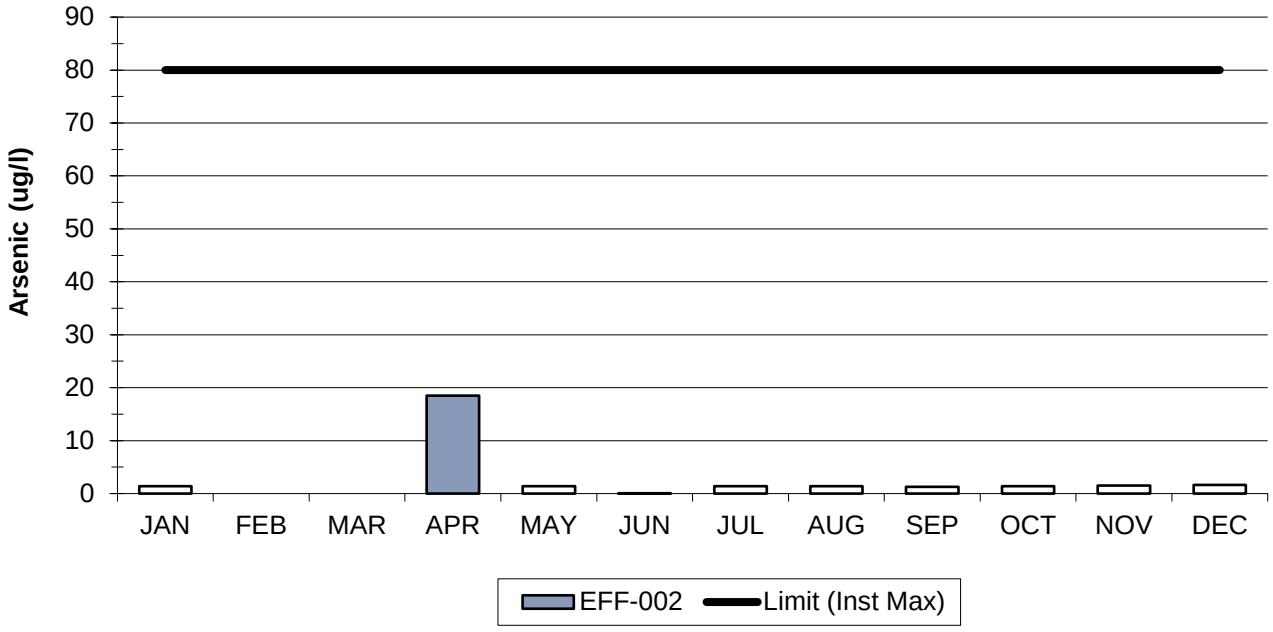
86 ug\l Daily Max, 10 ug/l 6-Month Max



MOSS LANDING POWER PLANT
NPDES ANNUAL SUMMARY REPORT - 2022

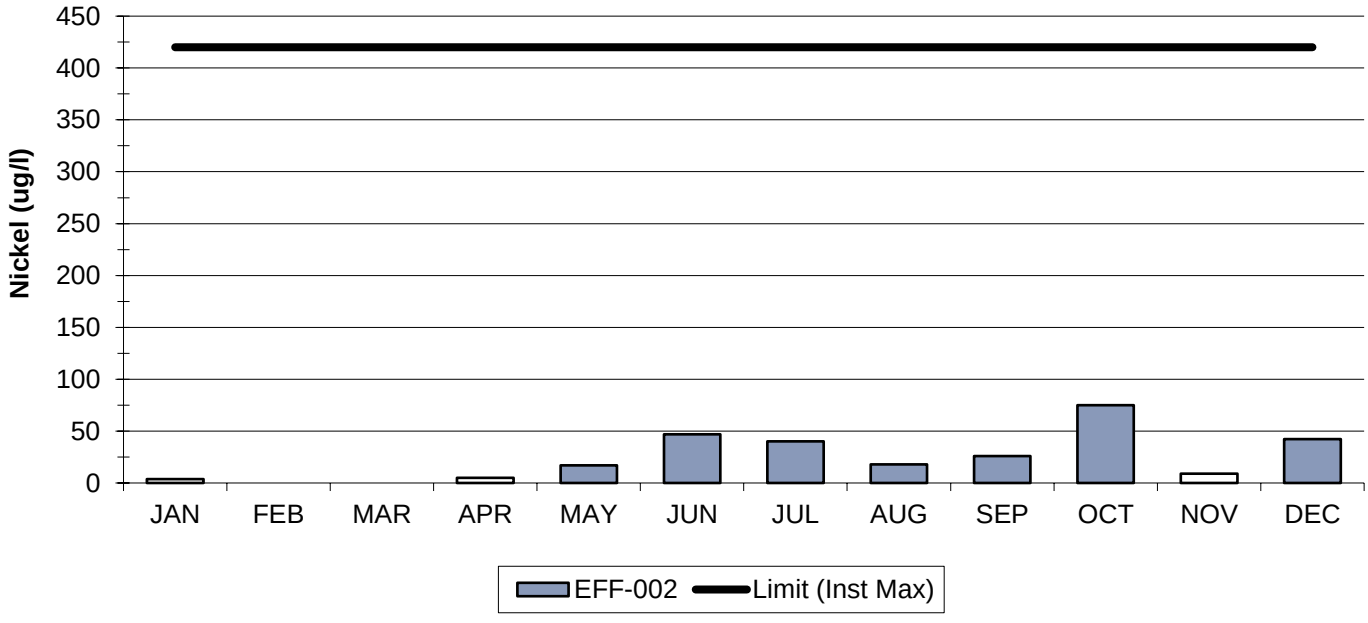
ARSENIC

32 ug\l Daily Max, 8 ug/l 6-Month Max



NICKEL

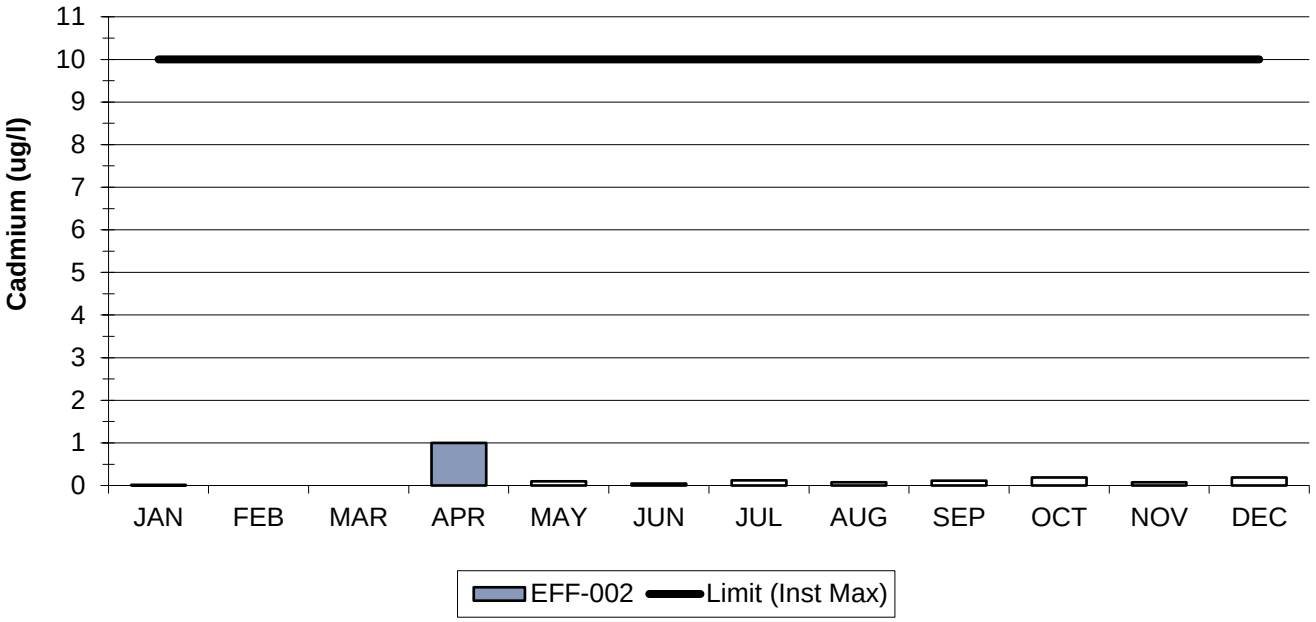
168 ug\l Daily Max, 42 ug/l 6-Month Max



MOSS LANDING POWER PLANT
NPDES ANNUAL SUMMARY REPORT - 2022

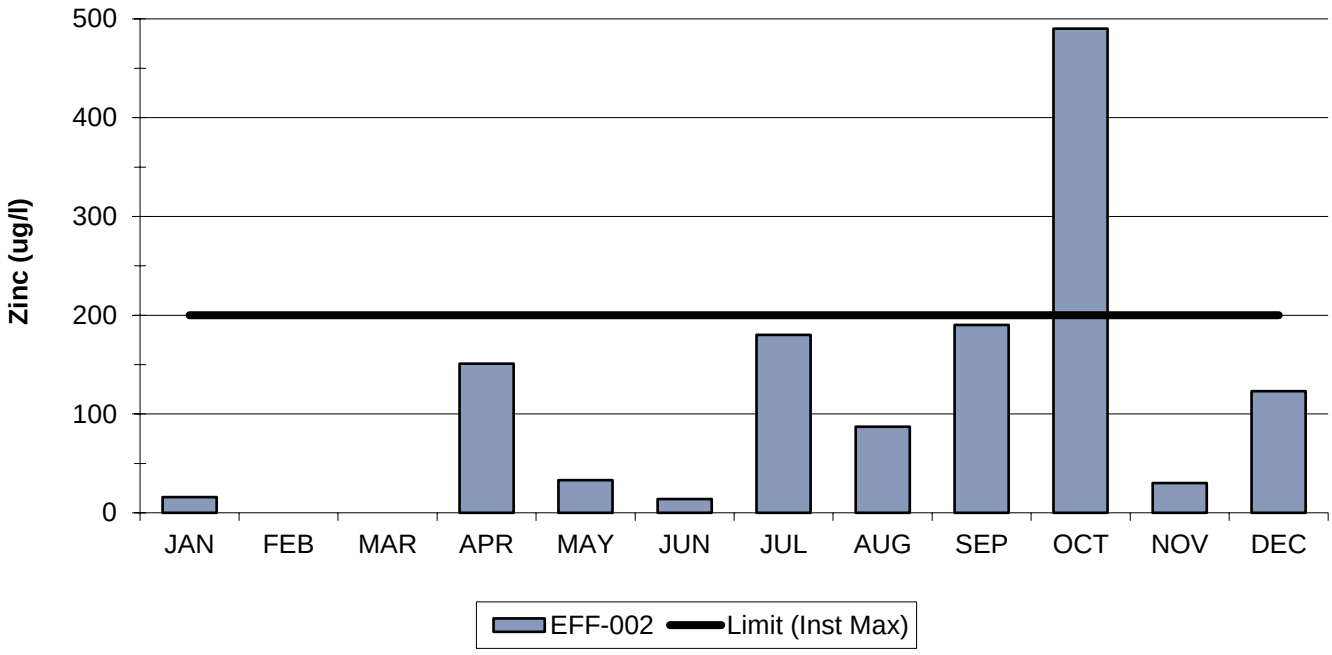
CADMIUM

4 ug\l Daily Max, 1 ug/l 6-Month Max



ZINC

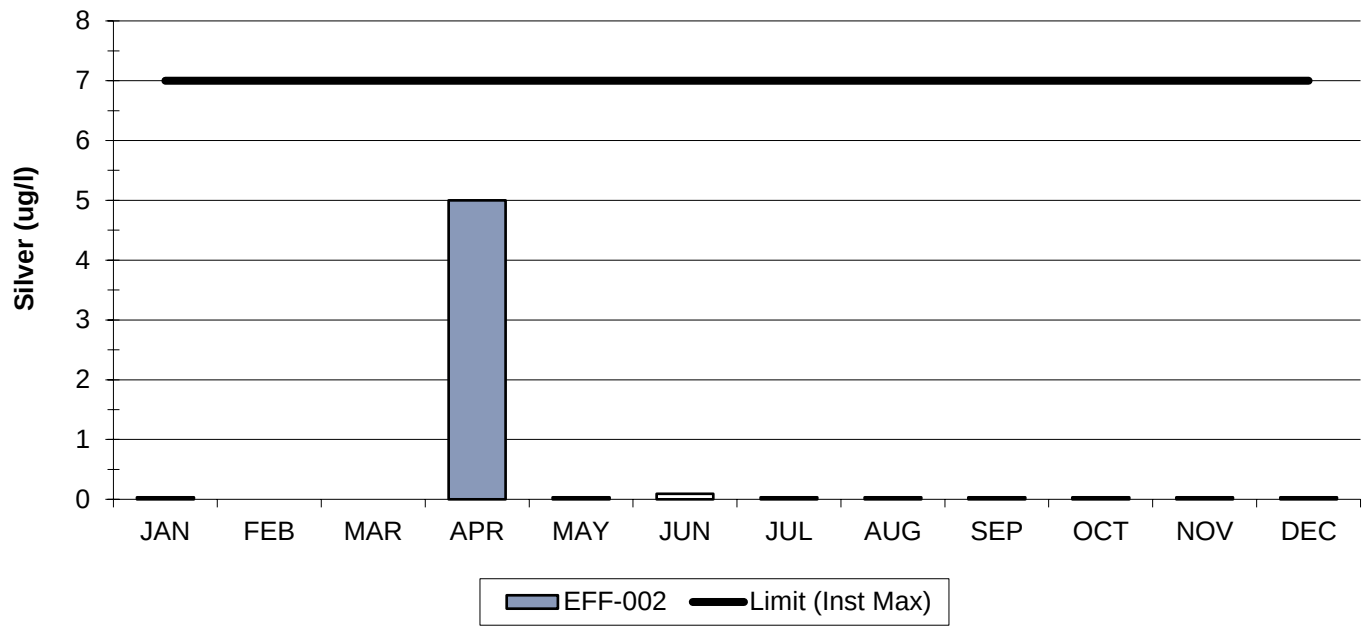
80 ug\l Daily Max, 20 ug/l 6-Month Max



MOSS LANDING POWER PLANT
NPDES ANNUAL SUMMARY REPORT - 2022

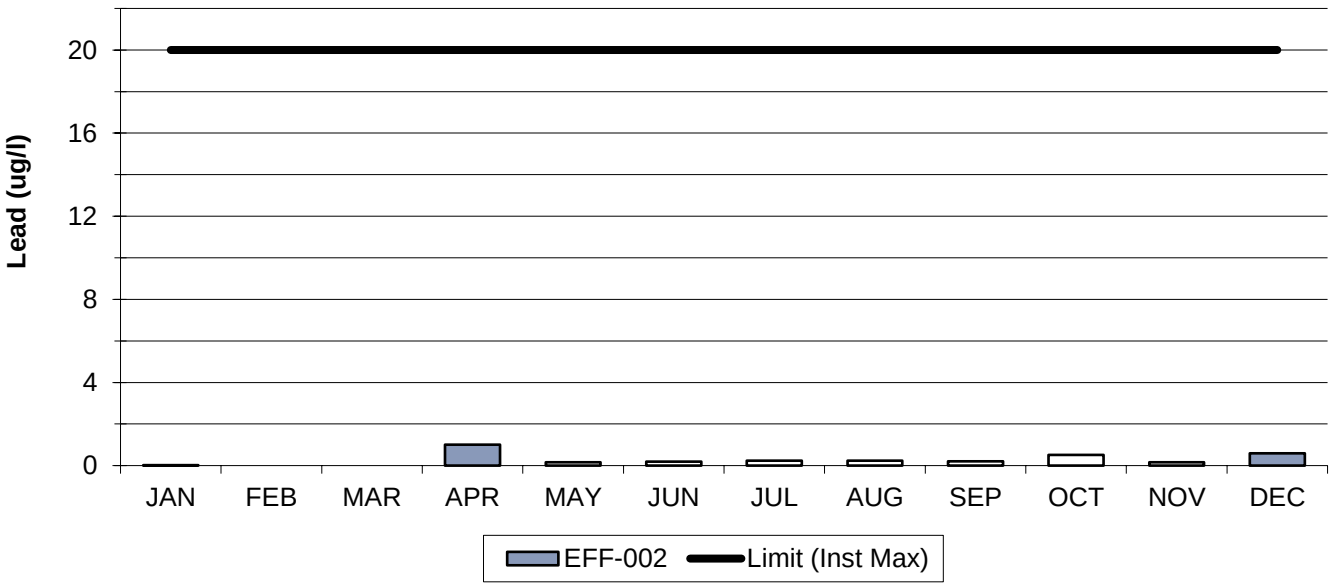
SILVER

2.8 ug\l Daily Max, 0.7 ug/l 6-Month Max

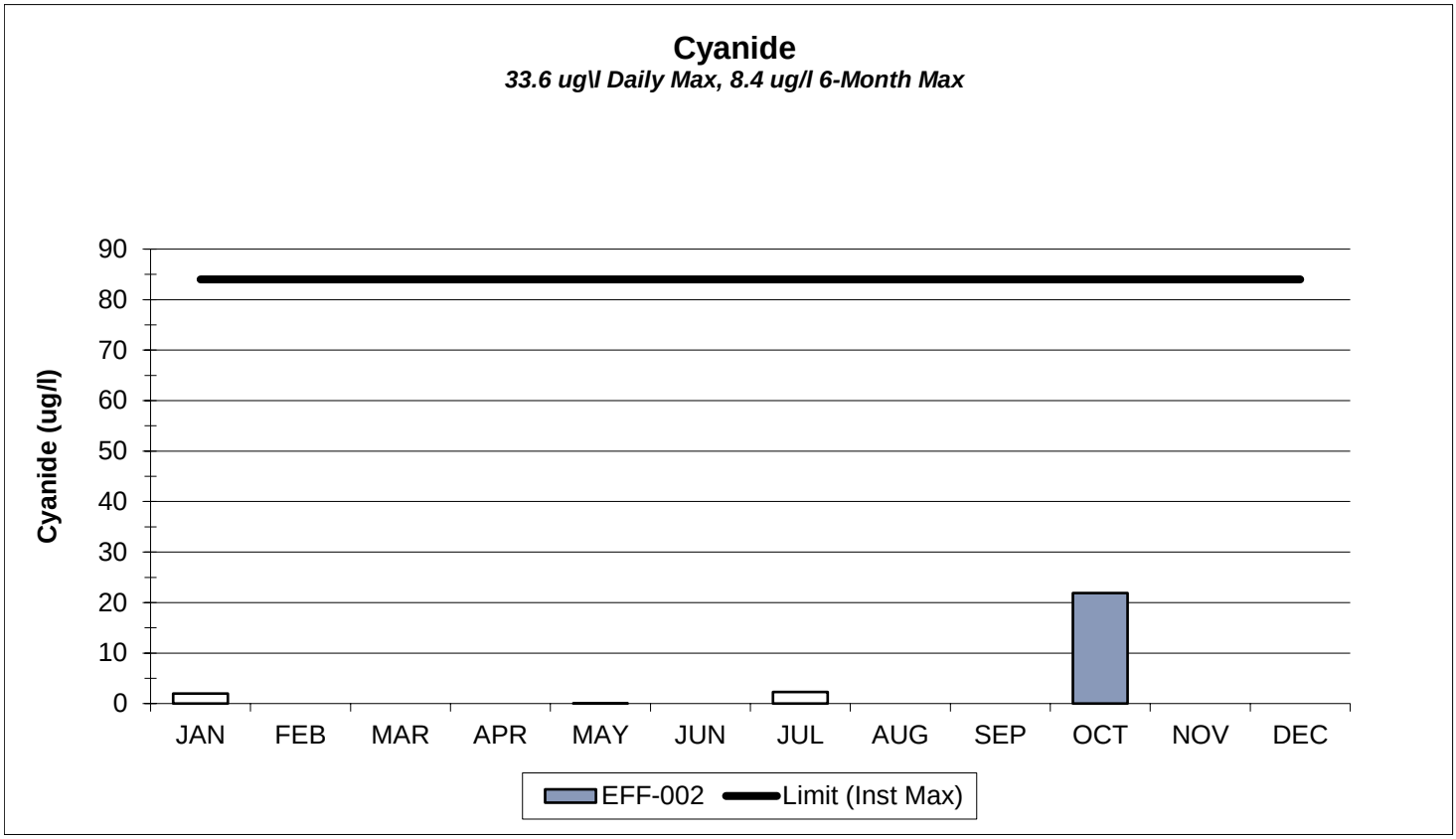


LEAD

8 ug\l Daily Max, 2 ug/l 6-Month Max



MOSS LANDING POWER PLANT
NPDES ANNUAL SUMMARY REPORT - 2022



Moss Landing Power Plant

NPDES Annual Report – 2022

Hydrographic Survey
and
Intake Approach Velocity Monitoring Study

2022 MLPP NPDES Monitoring

Hydrographic and Intake Approach Velocity Surveys

January 27, 2023

ESLO2022-010

Submitted to:
Mr. Spencer Vartanian
Moss Landing Power Co., LLC
PO Box 690
Moss Landing, Ca 95309

Prepared by:
Tenera Environmental
141 Suburban Road, Suite A2
San Luis Obispo, CA 93401
Phone: 805.541.0310
FAX: 805.541.0421

Table of Contents

Table of Figures

Table of Tables

1.0 Introduction

The Moss Landing Power Plant (MLPP) is a two-unit fossil fuel electrical generating facility located on the shoreline of Monterey Bay approximately midway between Santa Cruz and Monterey, California, about 12 miles northwest of the city of Salinas. The two active units (Units 1 & 2) each have a generating capacity of 510 MW, and the plant began commercial operation in 2002. Total generating capacity of the facility is 1,020 MW.

Cooling water for the facility is drawn from Moss Landing Harbor, which lies immediately west of the plant and opens into Monterey Bay. The plant's cooling system utilizes two variable and one fixed speed Circulating Water Pumps (CWPs) per unit, with a maximum combined flow of 250,000 gallons per minute (gpm). Cooling water is discharged through a pair of common conduits which run parallel to each other to a point approximately 600 ft offshore in Monterey Bay.

Discharge of the cooling water is regulated under the plant's National Pollutant Discharge Elimination System (NPDES). The plant operator, Moss Landing Power Company, LLC, is required under the terms of their NPDES permit (CA0006254) Monitoring and Reporting Program – Order 00-31 issued by the California Central Coast Regional Water Quality Control Board for the MLPP, to annually report the results of a hydrographic survey of the harbor bottom immediately surrounding the operating intake structure, and bar rack approach water velocity measurements taken in front of the intake. The purpose of these measurements is to provide information about possible shoaling and its effects on the hydrodynamics of the intake structures. The power plant uses this information to monitor the performance of the intake and determine if dredging is necessary to assure the intake operates as close as possible to the original design-basis velocities.

This report presents the results of the intake area hydrographic survey conducted on August 3, 2022. Bar rack approach velocity measurements were collected separately at Units 1 & 2. The Unit 1 survey was collected on December 14, 2022. Emergent issues at CWPs 2A and 2B delayed testing at Unit 2 into the new year. For the purposes of this report, the operational and environmental conditions of the two surveys will be described separately in the Methods section, but the two units' data will be presented jointly in the Results section.

2.0 Study Methods

2.1 Hydrographic Survey

A hydrographic survey encompassing the Moss Landing Power Plant Units 1 & 2 intake structure and adjacent areas was conducted on August 3, 2022, between 10:27 and 12:00 PST. The survey area included the MLPP intake structure and adjacent areas: 180 ft to the north (upcoast), 180 ft to the south (downcoast), and 240 ft to the west (offshore). Clear skies and a gentle northwesterly breeze made for calm conditions during the survey inside the Moss Landing Harbor. Based on the National Oceanographic and Atmospheric Administration's (NOAA) observed water level data in Monterey, Ca (station 9413450[1]), the survey was conducted just after the day's minor high tide. The mean tidal level during the survey was 3.58 ft MLLW, and survey minimum and maximum heights were 3.16 ft and 3.99 ft MLLW, respectively (**Figure 2-1**).

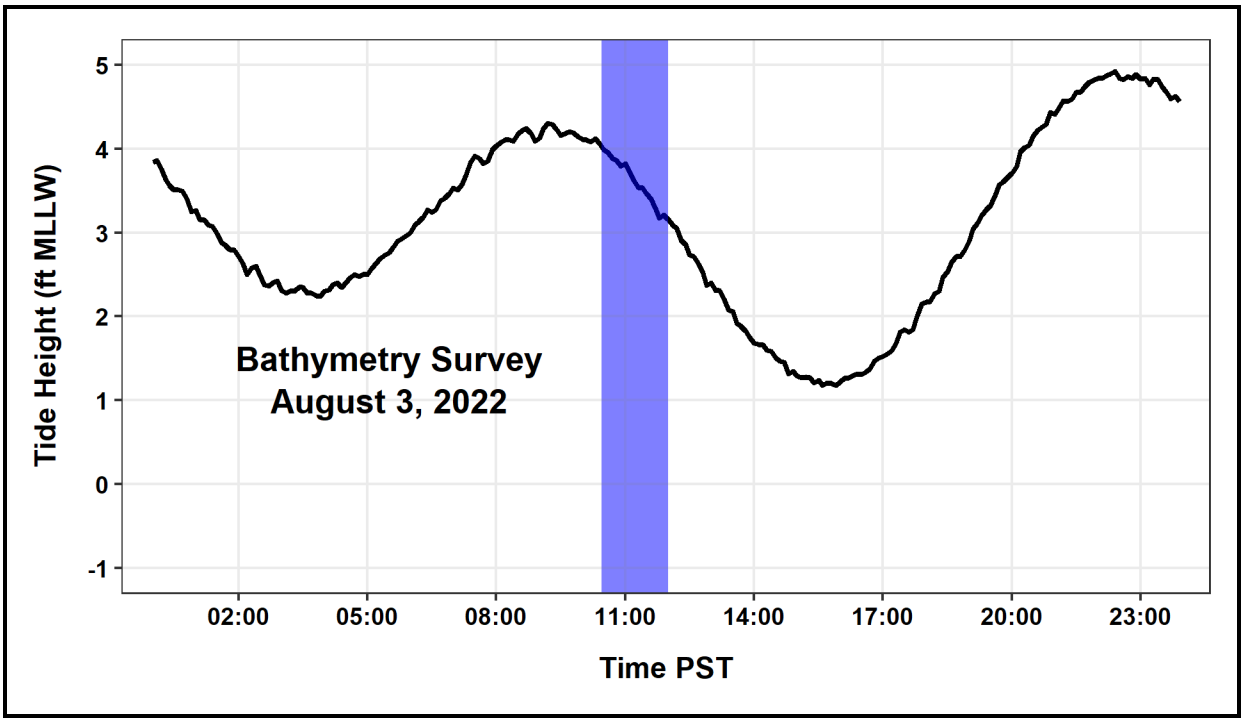


Figure 2-1. Observed water levels at the Monterey, Ca NOAA tide station on August 3, 2022. Shaded regions (10:27 to 12:00 PST) correspond to survey period.

[1] https://tidesandcurrents.noaa.gov/waterlevels.html?id=9413450

All data were recorded to PC laptops aboard a 13 ft skiff piloted along a survey grid with 15 ft spacing (**Figure 2-2**). Vertical and horizontal positions were recorded by a Leica model MNA1200 GPS antenna interfaced with a NovAtel Propak V3 DGPS receiver mounted 6.94 ft above a BioSonics DTX digital echosounder interfaced to a 201 kHz 6.7-degree (full beamwidth at half power) transducer. The sounder face was submerged approximately 1.1 ft below the water surface on the vessel's port beam. Both the GPS and sounder system collected measurements at a rate of 5Hz.

The bathymetric echosounder system requires a sound speed value to convert each sounding's time of travel from the transducer to the seafloor and back. A conductivity, temperature, and depth (CTD) cast collected just prior to the beginning of the survey was used to estimate the sound speed in water. The Seabird 37SM CTD measured a mean temperature of 16.7°C, a salinity of 34.0 practical salinity units (PSU) and a sound speed of 1,511 m/s. The resolution of depth measurements was approximately 0.7 in (44 kHz digitizing sample interval).

PC clock times were synchronized within one second of UTC using the software package Dimension 4[2]. NovAtel Connect software was used to collect the receiver's data with a Dell Vostro P88G laptop. Digital bottom depths from the echosounder data were post-processed using BioSonics Visual Analyzer software for outputting depth and time in ASCII format. An R statistical software script converted the BioSonics ASCII output to a format usable by ArcGIS. A bar-check calibration of the echosounder performed using a 7-inch disk at depths of 5, 10, and 15 ft resulted in a depth correction of -0.05 in.

NovAtel's Waypoint GrafNav post-processing software was used for estimating survey quality horizontal and vertical positions in the NAD 83 and NAVD 88 reference datum frames using the nearby GPS California Real Time Network (CRTN) Station P234 LasAromitaCN2006 located near San Juan Bautista, CA. Station P234 is located 18.2 km away from the survey area.

A latency correction (the difference between the echosounder time and the GPS time) was calculated from the two sets of time tracks (echosounder and GPS) using an automated program written in the R statistics software[3]. The program identified a number of near crossings by adjusting time to minimize the depth differences at these points.

The soundings and the horizontal and vertical positions were merged using a script written in R statistical software and imported into ArcGIS to create a bathymetric surface. All depth data were referenced to MLLW by using a correction from NAVD 88 elevations. This correction was derived from the online Vertical Datum Transformation Software[4] and its data (VDatum) provided by NOAA National Ocean Service. The NAVD 88 0 Datum is, on average, 0.149 ft below the MLLW 0 Datum at the survey area.

[2] http://thinkman.com/dimension4/default.htm

[3] https://cran.r-project.org/

[4] https://vdatum.noaa.gov

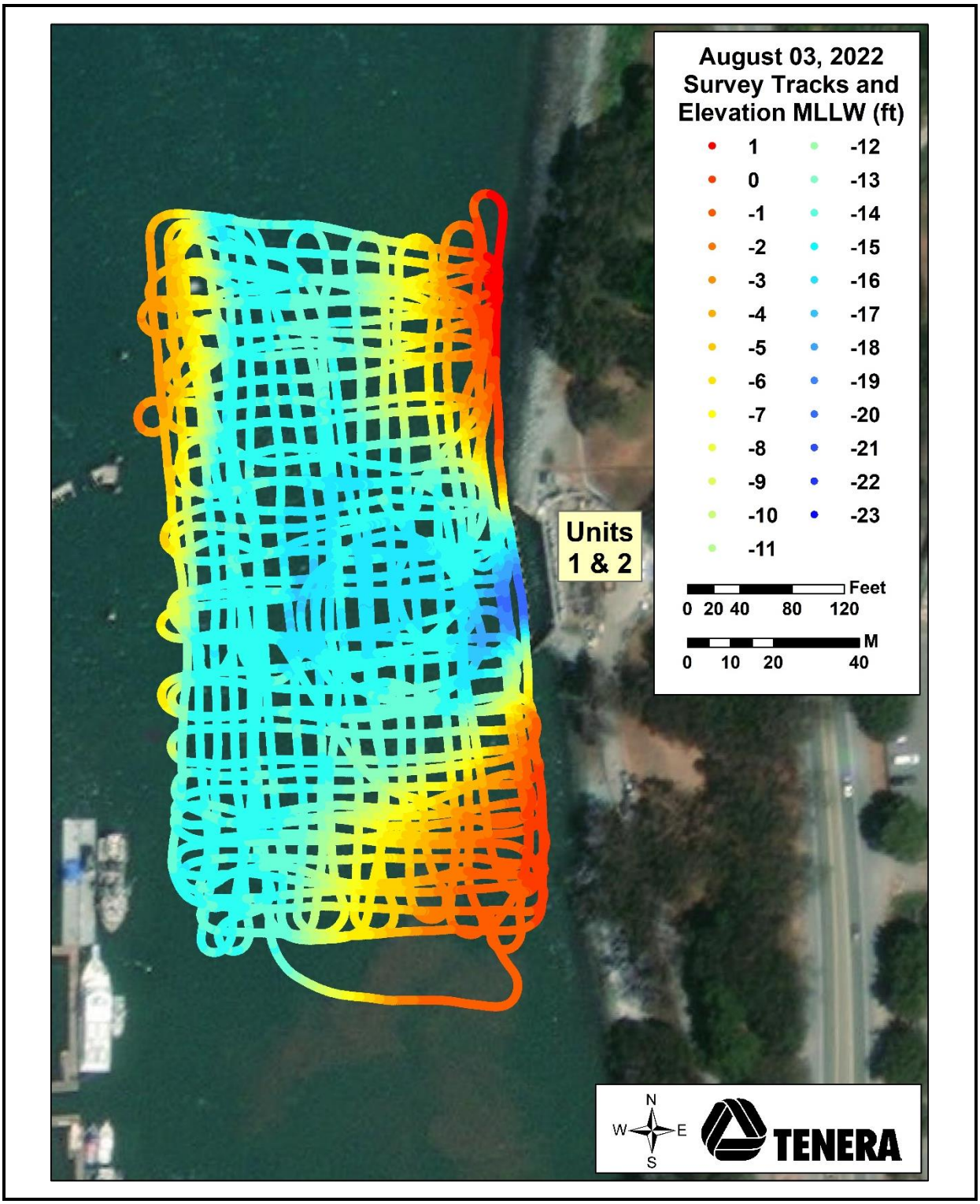


Figure 2-2. Hydrographic survey track at the Moss Landing Power Plant intake area. The figure shows the skiff's track and bottom elevation (MLLW) while performing the hydrographic survey in front of Units 1 & 2 on August 3, 2022.

2.2 Intake Approach Velocity Measurements

Intake approach velocity measurements at the Units 1 & 2 intake are usually conducted during neap tide periods (half-moon phases) when the amplitude of the tidal fluctuations (differences between high and low tide heights) is reduced in comparison with spring tides (full moon or new moon phases). The approach velocity surveys were collected separately at Units 1 & 2 on December 14, 2022 and January 25, 2023, respectively.

2.2.1 Description of MLPP Intakes and Sampling Equipment

The Units 1 & 2 CWPs are positioned approximately 400 ft east of the intake and are connected to the intake by a pair of conduits that extend under California Highway 1. The two units are hydraulically separated, and three CWPs serve each unit.

A large bar rack attached to the face of the seawater intake extends across the entire width of the intake structure and helps filter kelp and large debris from the intake system. Six traveling water screens (TWSs) remove smaller material before the water passes through the conduits to the CWPs. All six TWSs were in operation during the surveys.

Figure 2-3. Sled-mounted Nortek Vector ADV.

The Units 1 & 2 intake structure curtain extends below the waterline to a depth of about 1.0 ft MLLW. The bottom of the intake bay opening lies at approximately -20.4 ft MLLW. Water velocity measurement locations were referenced to the Units 1 & 2 intake deck elevation (+9.6 MLLW). The original design-basis estimate of approach velocity at the bar rack is 0.5 feet per second (fps).

Water velocities were collected by a Nortek Vector 6-MHz Acoustic Doppler Velocimeter (ADV, **Figure 2-3**). The unit is capable of focusing sound energy on a closer position (1.125 ft) to the face of the bar rack. At each measurement position, the ADV recorded velocity data for 180 seconds at a rate of 32 Hz, resulting in 5,760 samples per collection. Measurements were collected at five positions per each of the six Unit-Bays, resulting in a total of 30 sampling locations. Six head gates lie directly onshore of the bar rack structure, and the water velocity

measurements were aligned on the center of each Unit-Bay gate opening. Collection elevations ranged from -0.7 to -16.2 ft MLLW.

Each intake profile was measured by lowering the ADV to the bottom of the intake bar rack on a 2 ft wide x 5 ft long sled (**Figure 2-4**), and then raising it in approximately 4 ft increments. The ADV boresight was oriented downward and parallel to the intake bar rack. The outward tilt from vertical (pitch) and side angle (roll) was recorded, and the depth was controlled with ropes attached to the sled.

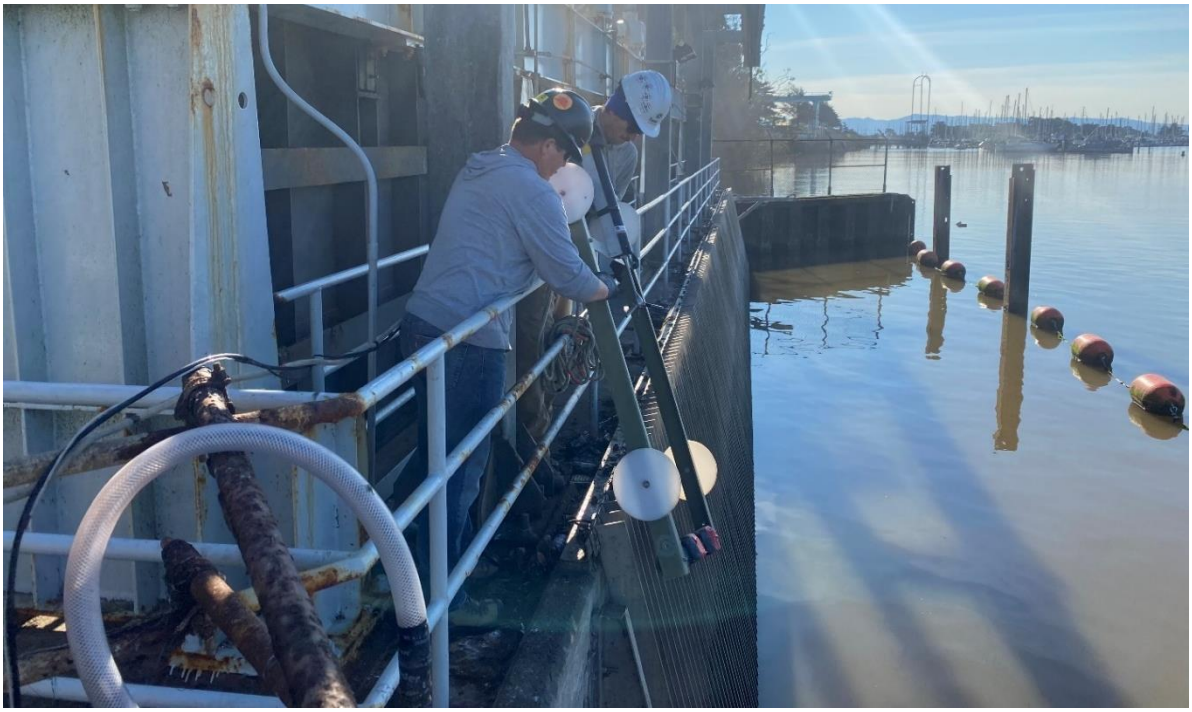


Figure 2-4. Deployment of the ADV at the structure during the 2022 approach velocity measurement survey.

At Units 1 & 2, the ADV was lowered on an approximately 14.5-degree slope from vertical and thus pointed parallel to the bar racks. The ADV's recorded angle varied from 14.3 to 14.9 degrees (average 14.6 degrees) at the various survey points. During this year's survey of the Units 1 & 2 bar racks, floating mats of algae and non-buoyant debris on the submerged portions of the bar racks were sparse in comparison with some previous surveys, when impinged debris was quite heavy.

Data were processed and analyzed using R statistical scripts. Data were quality-screened using two filters. The first removed extreme values (spikes) using a median (n=31) and standard deviation (3 times) filter (Analysis of Oceanographic Data. Version 1.1-1[5]) A second filter rejected samples that had any beam correlation value less than 80%.

Currents were measured in a 0.586 in. long volume of water in three vector directions: x'', y'' and z''. The instrument's x"-axis was oriented outward averaging 14.5 degrees up from horizontal, therefore with the z"-axis pointed 14.5 degrees up from vertical toward the structure at Units 1 & 2. This orientation required rotations using tilt and roll angles measured by the ADV's inclinometer sensor in post-processing to produce x, y and z current vectors that are perpendicular and parallel to the intake structure. The transformation of the coordinates is shown in **Figure 2-5**.

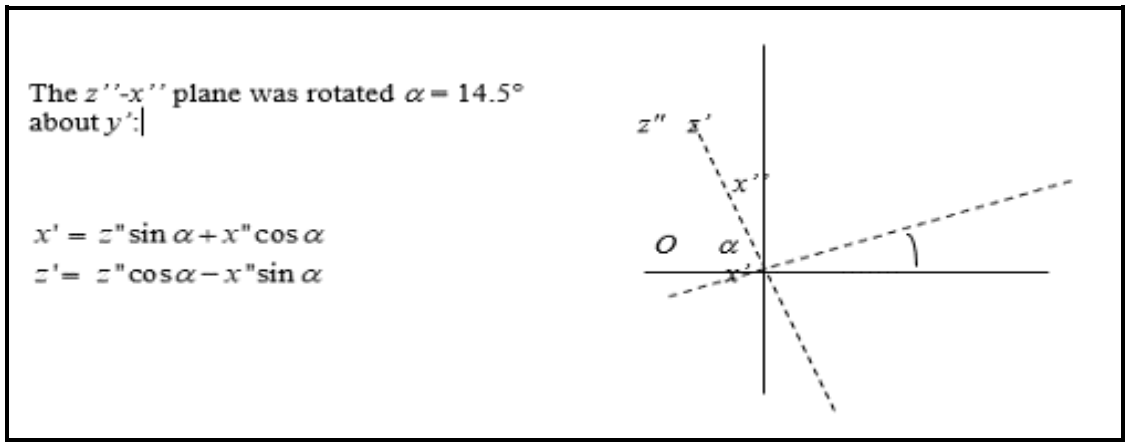


Figure 2-5. The transformation of coordinates involved a rotation for analysis and visualization. The ADV x''-axis was positioned outward from the intake bar racks and the z"-axis about 14.5° from vertical at the Moss Landing Power Plant, Units 1 & 2 intake. The drawing above illustrates the rotation about the ADV y'-axis, with z''-axis angled upward. In the final coordinates: x = y"; y = -x', z = z'.

[5] https://cran.r-project.org/web/packages/oce/oce.pdf

2.2.2 Intake Approach Velocity Measurements at Unit 1

Approach velocity measurements were collected in front of the Unit 1 intake structure on December 14, 2022 between 10:50 and 12:01 PST. Data collection commenced just before the day's minor high tide of 4.13 ft MLLW observed at 12:12 PST. Water levels ranged from 3.93 ft MLLW at the start of the survey to 4.11 MLLW at the end (**Figure 2-6**). These tidal heights were estimated from NOAA's water levels recorded at Monterey Harbor (NOAA tide station 9413450).

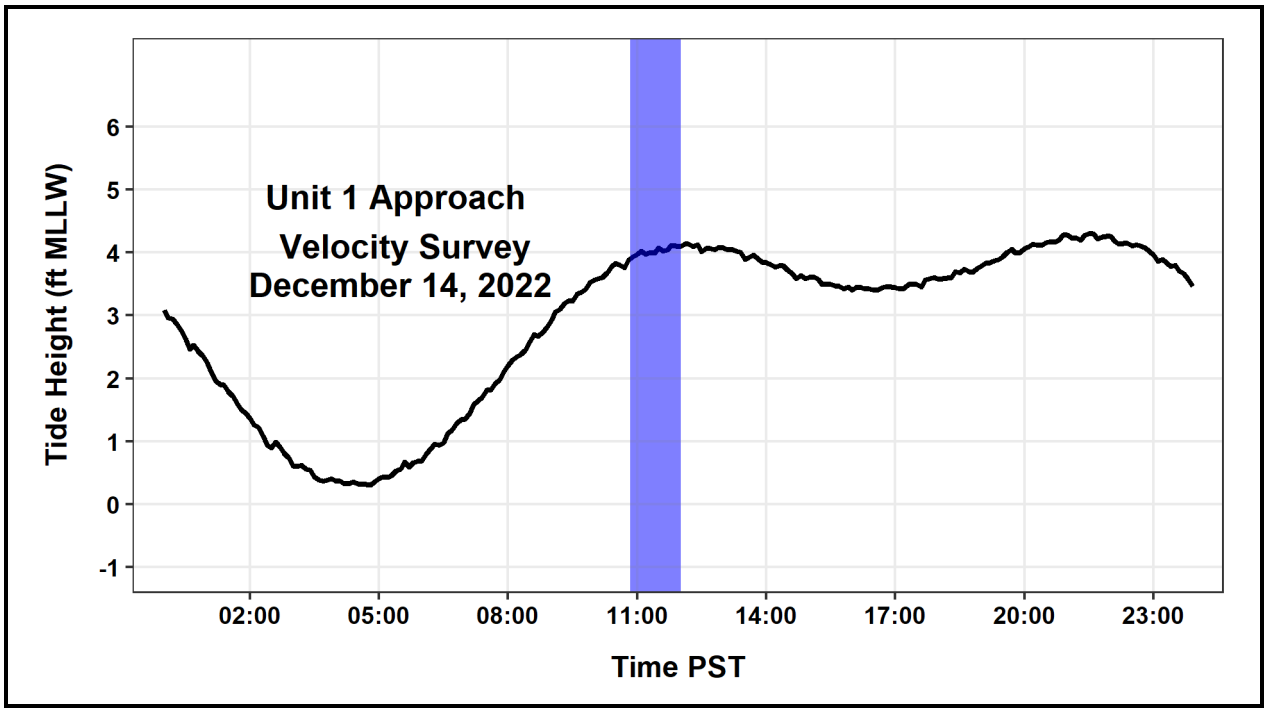


Figure 2-6. Observed water levels at the Monterey, Ca tide station on December 14, 2022. Shaded times (10:50 to 12:01) correspond to measurements of bar rack approach velocities

Salinity and temperature profiles were measured at the beginning of the survey using an AML-37 conductivity, temperature, and depth (CTD) profiling meter. Salinity and temperature were used to calculate sound speed that is used in the Nortek ADV data collection software to estimate range and speed. An average sound velocity value of 1490.501 m/s was used as an input in the ADV configuration software. CTD cast results for the Unit 1 survey are presented in **Figure 2-7**.

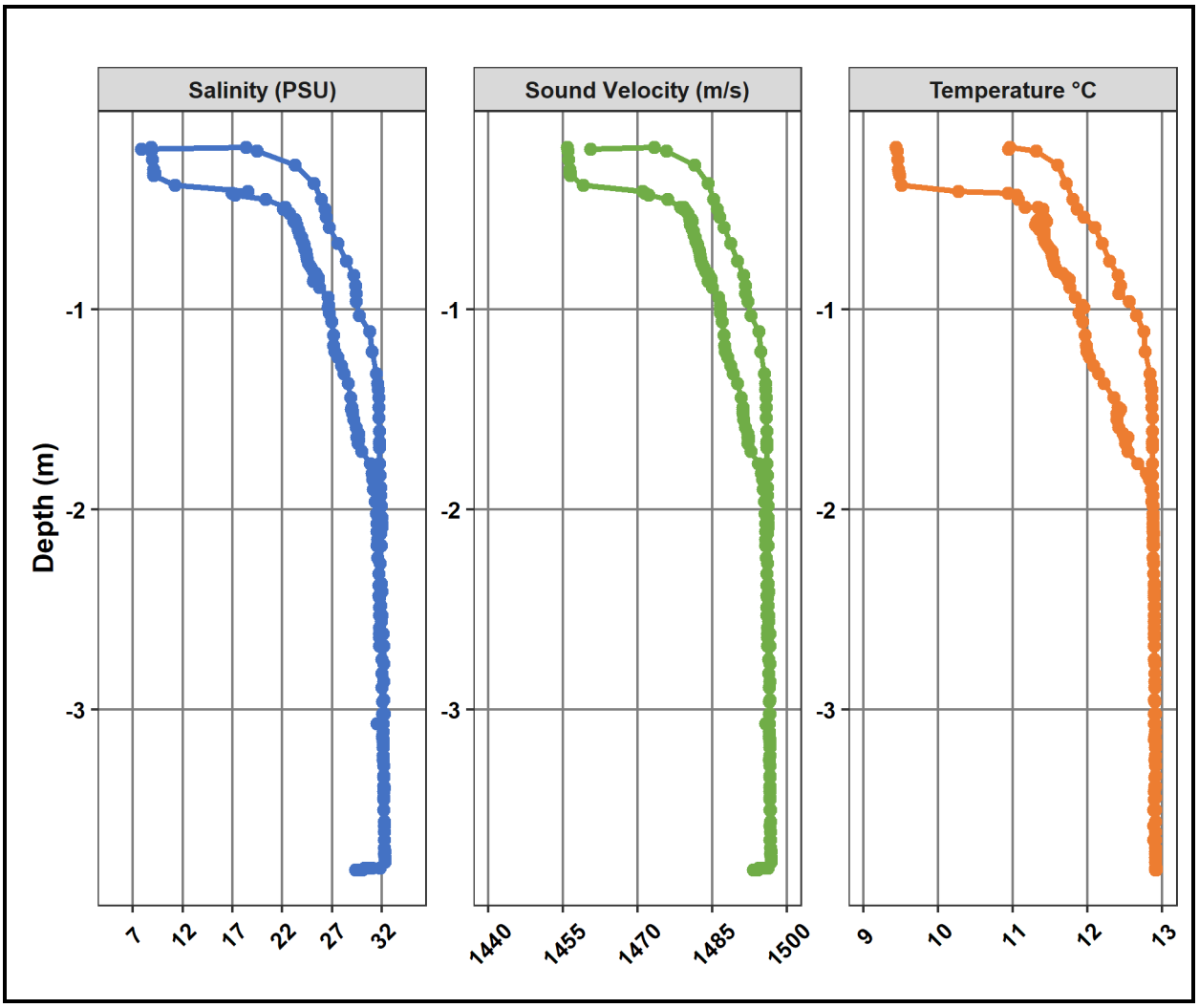


Figure 2-7. Temperature (°C, orange line), salinity (Practical Salinity Units, blue line), and speed of sound (meters per second, green line) profiles on December 14, 2022 at the Moss Landing Power Plant intakes. Downcast and upcast values are both displayed. Vertical scales show depth in meters.

All three of the Unit 1 CWPs were operating during the survey of the intake structure, producing a combined nominal flow of 125,000 gpm (**Figure 2-8**). The Unit 1 & 2 bar racks were cleaned of debris on December 8.

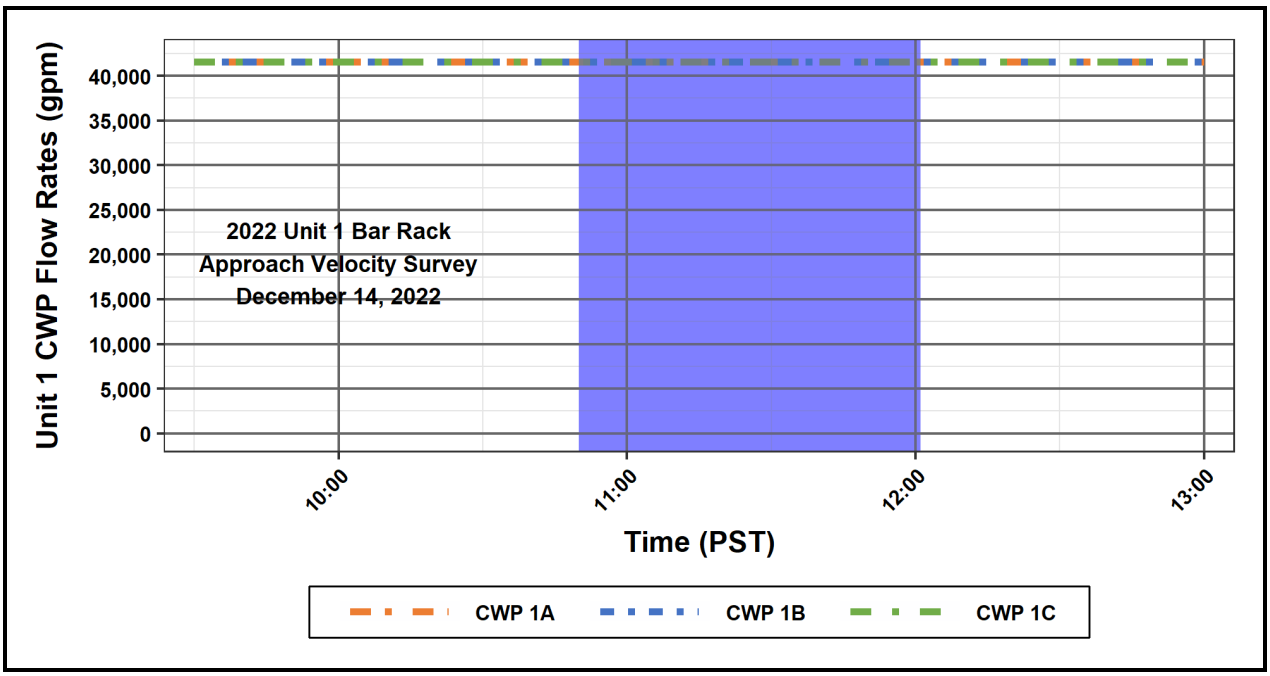


Figure 2-8. Pump flow rates (gpm) for the day of the approach Unit 1 velocity survey. Shaded times (10:50 to 12:01 PST) correspond to the survey period.

2.2.3 Intake Approach Velocity Measurements at Unit 2

Approach velocity measurements were collected in front of the Unit 2 intake structure on January 25, 2023 between 10:53 and 12:19 PST. Data collection commenced just prior to the day's minor high tide of 5.13 ft MLLW observed at 12:42 PST. Water levels ranged from 4.43 ft MLLW at the start of the survey to 5.13 MLLW at the end (**Figure 2-9**). These tidal heights were estimated from NOAA's water levels recorded at Monterey Harbor (NOAA tide station 9413450).

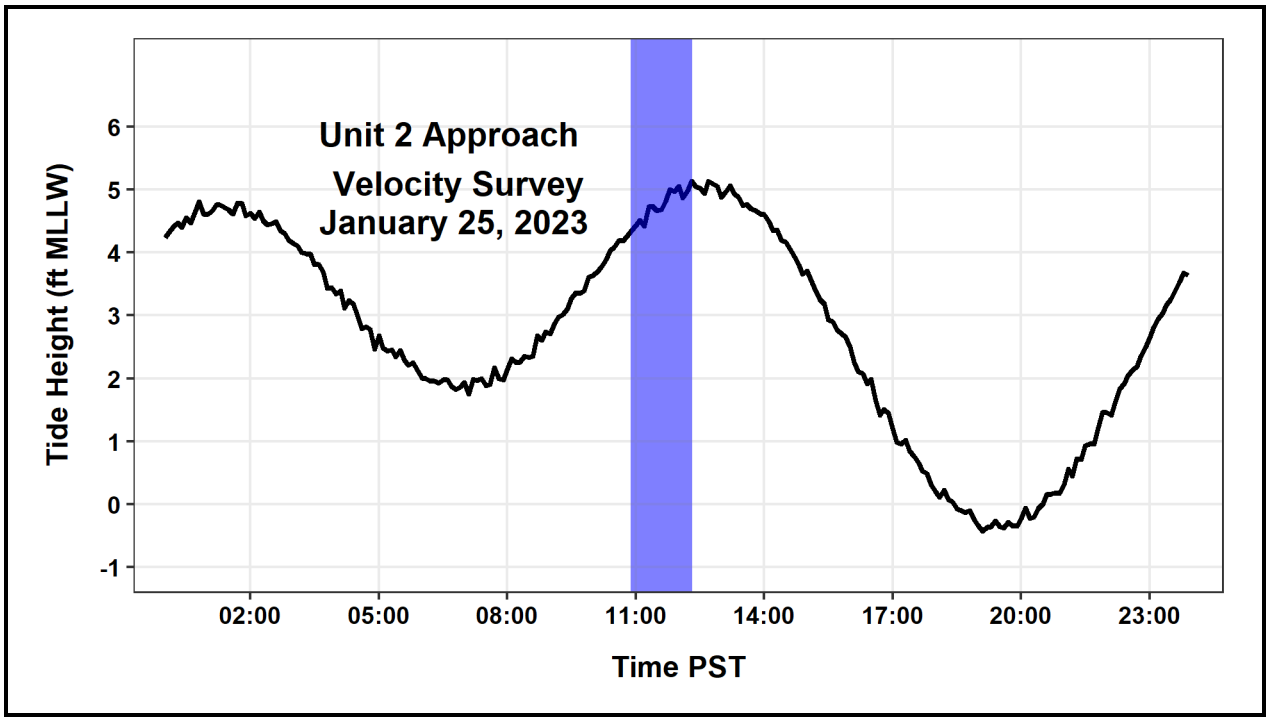


Figure 2-9. Observed water levels at the Monterey, Ca tide station on January 25, 2023. Shaded times (10:58 to 12:19) correspond to measurements of bar rack approach velocities at the MLPP Unit 2 intake structures.

Salinity and temperature profiles were measured at the beginning of the survey using an AML-37 CTD. An average sound velocity value of 1490.296 m/s was used as an input in the ADV configuration software. CTD cast results for the Unit 2 survey are presented in **Figure 2-10**.

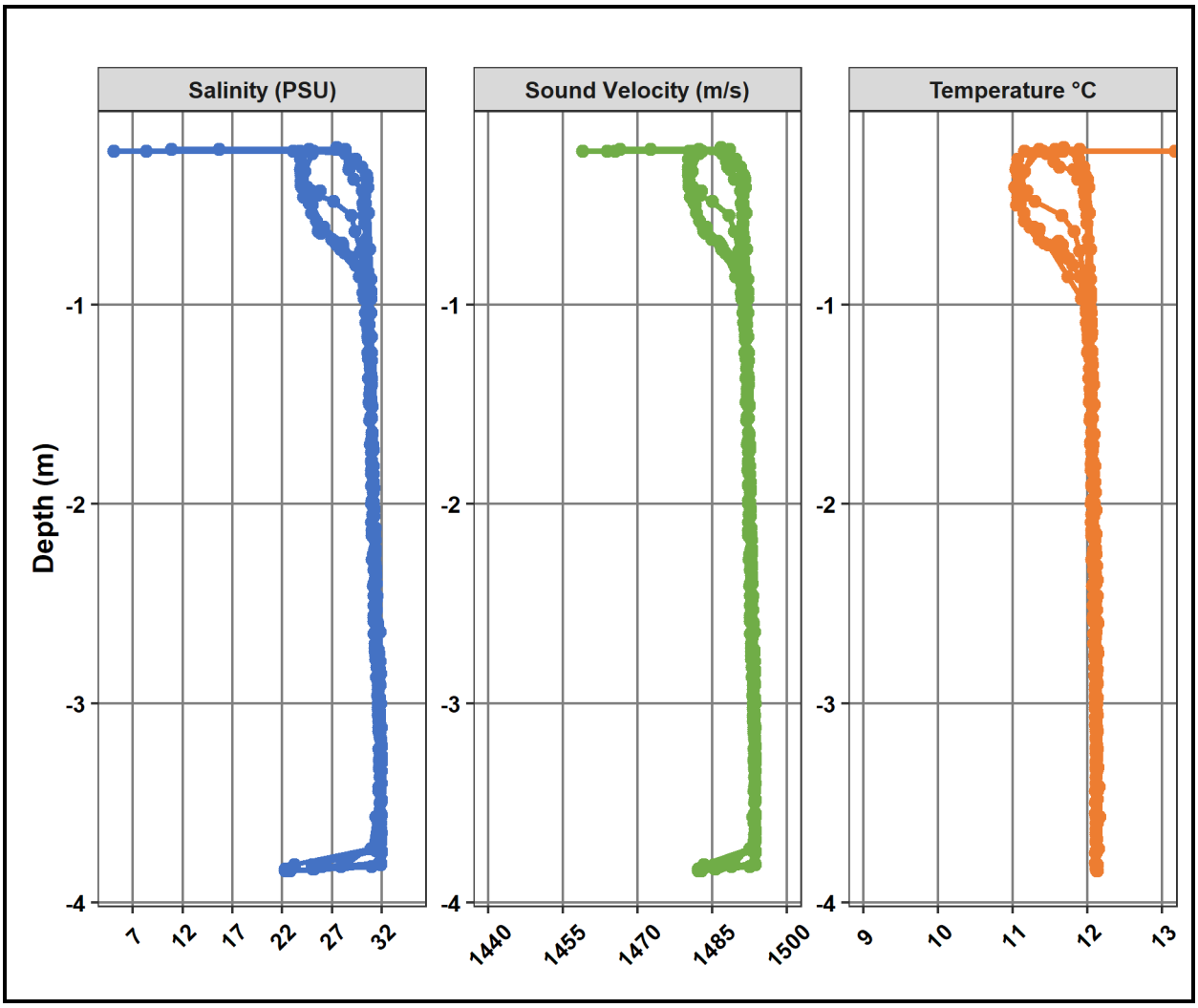


Figure 2-10. Temperature (°C, orange line), salinity (Practical Salinity Units, blue line), and speed of sound (meters per second, green line) profiles on January 25, 2023 at the Moss Landing Power Plant intakes. Downcast and upcast values are both displayed. Vertical scales show depth in meters.

All three of the Unit 2 CWPs were operating during the survey of the intake structure, producing a combined nominal flow of 125,000 gpm (**Figure 2-11**). The Unit 1 & 2 bar racks were cleaned of debris on December 8.

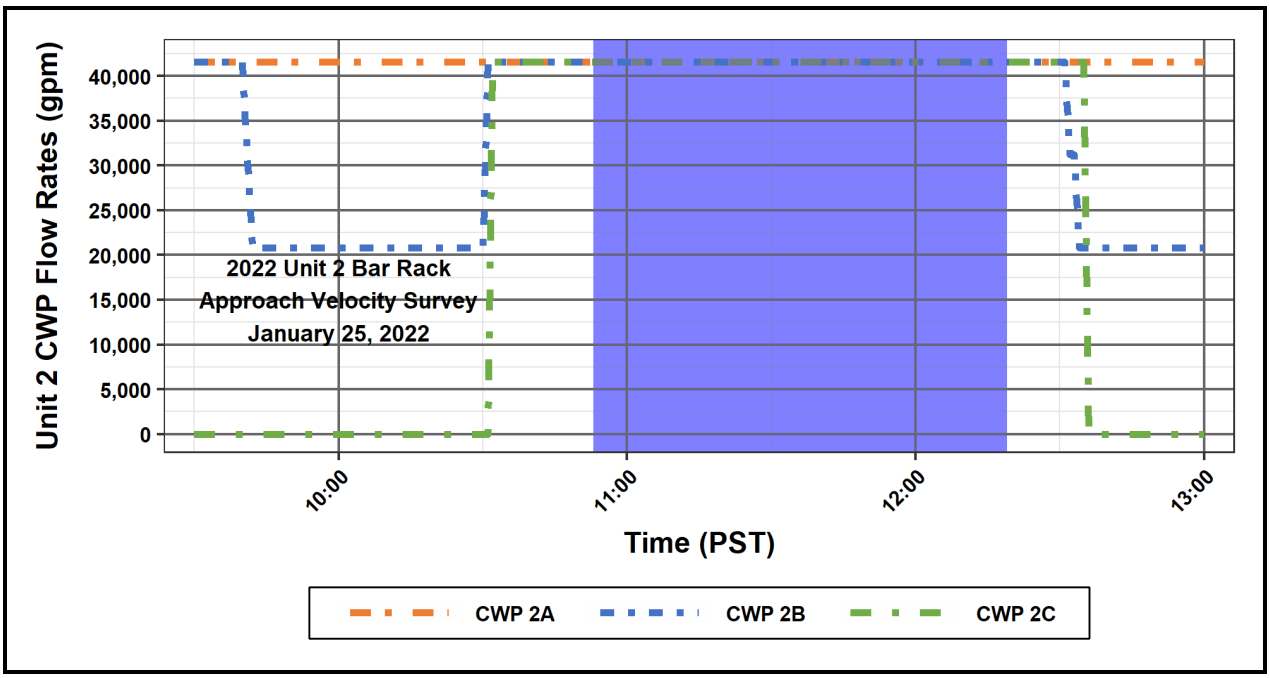


Figure 2-11. Pump flow rates of gallons per minute (gpm) for the day of the approach Unit 2 velocity survey. Shaded times (10:50 to 12:01 PST) correspond to survey period.

3.0 Results

3.1 Hydrographic Survey

The bathymetric map presented in **Figure 3-1** displays survey results in depths relative to MLLW. Elevations across the survey area ranged from -0.6 ft to -20.7 ft MLLW, with an average elevation of -12.3 ft MLLW and standard deviation of 4.9 ft. In a subset of the surveyed area from just offshore of the Unit 1 & 2 intakes to the navigation channel, overall mean bottom elevations were shallower than in 2021 with an average depth of -16.2 ft MLLW, however there were shifts in sediment across the area between the surveys.

In the zone of interest (defined as the seafloor directly in front and up to 180 ft from the intake structure), elevations ranged between -12.5 ft (to the north of the intakes) and -20.7 ft (directly in front of the intakes) MLLW, with an average of -16.5 ft MLLW and standard deviation of 1.3 ft. Shallower elevations occurred nearshore to the north and south of the intake structure. The deepest area in this zone was located directly offshore from Unit 2 with an average elevation of -20.6 ft MLLW.

Previous surveys (2012 through to 2021) indicated there was a relatively flat area situated approximately 100 to 190 ft offshore of Unit 1 & 2 intake bays. This area began at a depth of approximately 18.0 ft MLLW but has been getting progressively shallower over time. This year the average depth for this flat area was -16.4 ft MLLW, with a standard deviation of 0.4 ft. This area was on average 0.4 ft shallower than in 2021.

This year, the harbor navigation channel elevation averaged 15.4 ft MLLW in depth with a standard deviation of 0.2 ft, which was 0.6 ft shallower than the year before where the average was 16.0 ft MLLW. Last year the channel, was dredged prior to our survey but sedimentation may be evidenced by the change in depth.

Table 3-1 presents elevations near each intake structure at the Unit-Bay centerlines, approximately 26 ft offshore from Units 1 & 2. Average depths offshore of Units 1 & 2 have become appreciably shallower over time since 2012. Units 1 and 2 showed an average respective rise in survey elevations of 0.7 ft and 0.3 ft.

Figure 3-2 shows profiles at those distances superimposed in front of Unit 1 & 2. The depth profiles directly in front of the intake structure indicate that from 2021 to 2022 the area has become shallower on average by 0.3 ft MLLW. **Figure 3-3** presents depth profiles of three transects oriented directly offshore of Units 1 & 2 (described by dotted lines in **Figure 3-2**), respective depths averaged 0.48, 0.44, and 0.34 ft MLLW shallower from north to south than in 2021.

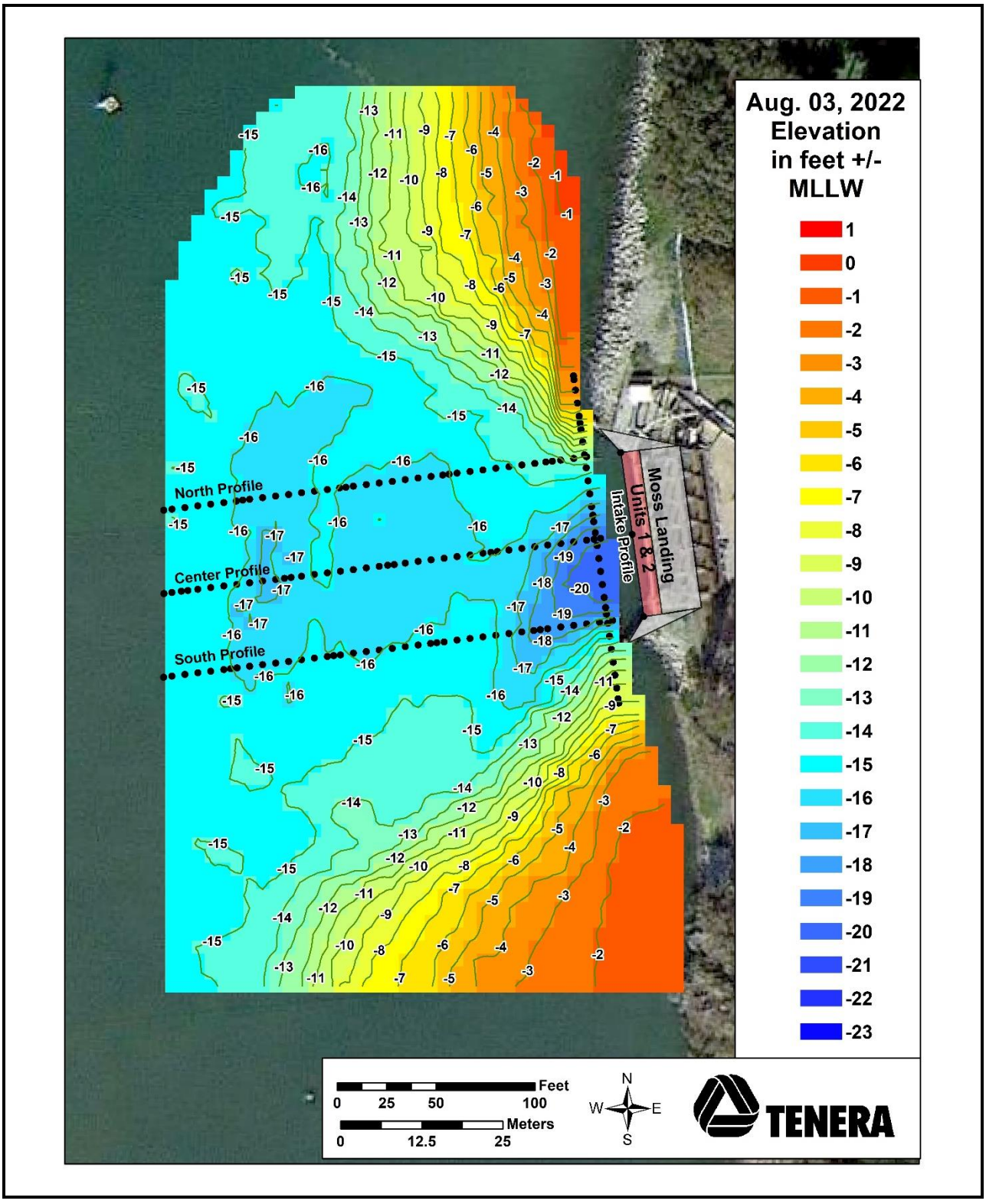


Figure 3-1. Bottom elevations near the Moss Landing Power Plant Units 1 & 2, August 3, 2022. Measurements relative to MLLW. Profile transects are indicated by dotted lines.

Table 3-1. Current and historical elevations (ft MLLW) along a transect just offshore from and parallel to the intake of Units 1 & 2.

	1-1	1-2	1-3	2-1	2-2	2-3
2022	-15.3	-16.8	-18.9	-20.3	-20.7	-20.3
2021	-16.0	-17.6	-19.4	-20.9	-21.0	-20.4
2020	-16.5	-17.9	-19.8	-21.2	-21.3	-20.3
2019	-16.4	-18.0	-19.6	-21.0	-21.4	-20.8
2018	-16.7	-18.1	-19.6	-20.7	-21.3	-20.2
2017	-16.6	-17.8	-19.3	-20.7	-21.2	-20.4
2016	-14.7	-17.1	-18.6	-20.4	-21.8	-21.6
2015	-17.3	-18.7	-20.5	-22.2	-22.4	-21.3
2014	-17.3	-18.6	-20.5	-22.4	-22.4	-21.5
2013	-16.7	-18.7	-20.3	-21.9	-21.9	-21.2
2012	-17.4	-19.1	-20.7	-22.4	-22.6	-20.5

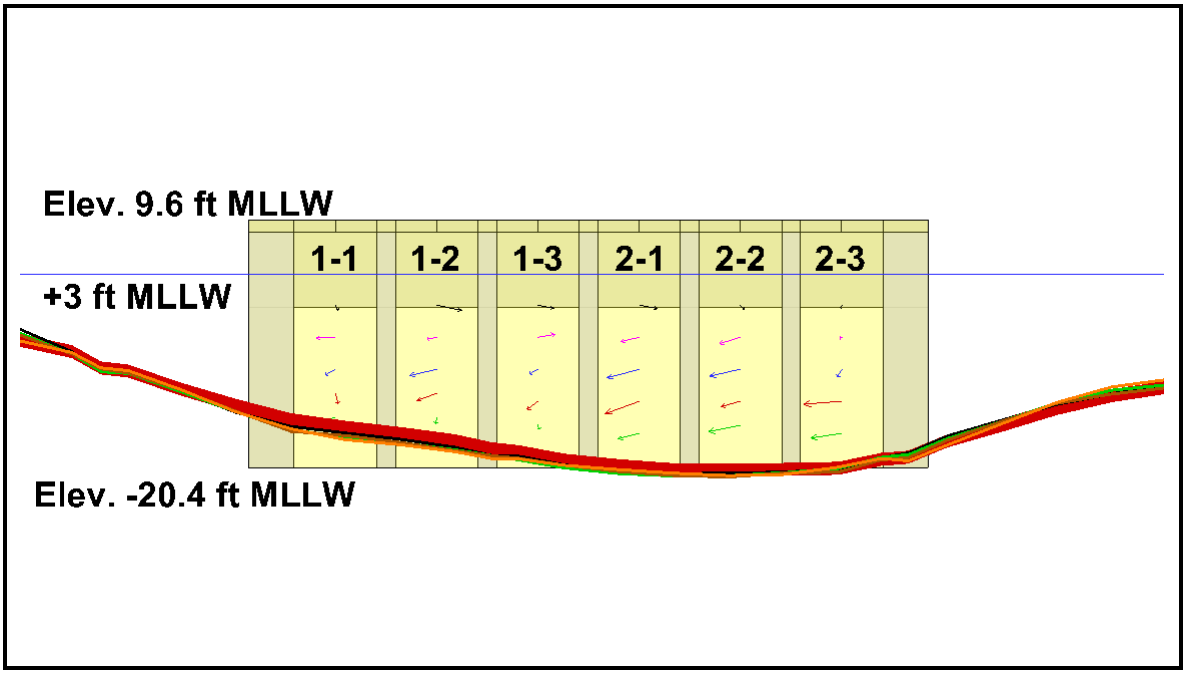


Figure 3-2. Profile depths along a transect just offshore from the Units 1 & 2 intake structure. View is facing the intake structure from Moss Landing Harbor. Color denotes survey year (2018 orange, 2019 brown, 2020 green, 2021 black, 2022 red).

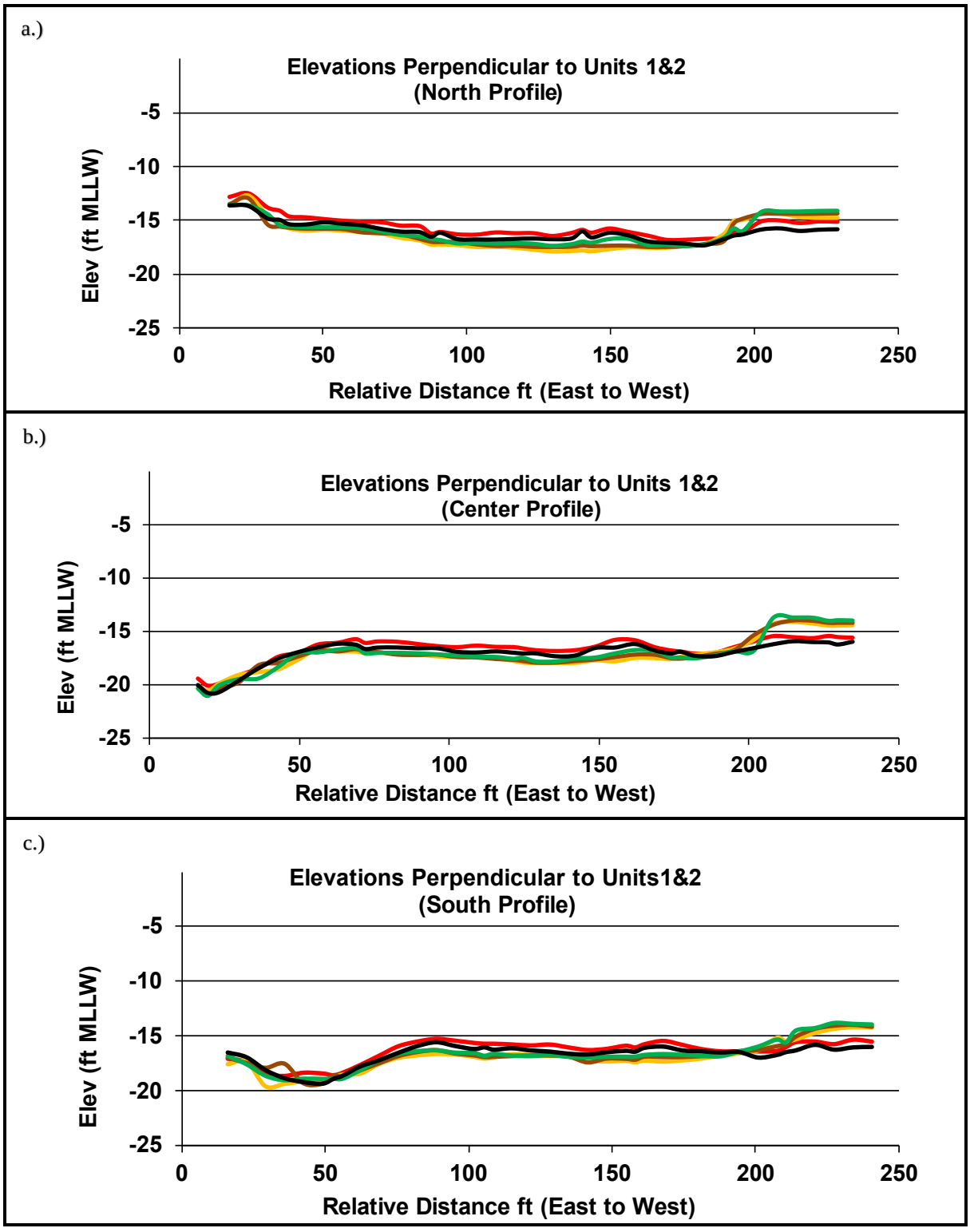


Figure 3-3. Bottom elevations of selected transects nearshore to Units 1 & 2. Color denotes survey year (2018 orange, 2019 brown, 2020 green, 2021 black, 2022 red).

3.2 Intake Approach Velocity Measurements

At Units 1 & 2, the Nortek ADV collected 5,760 samples over a three-minute period at 30 locations. Measurement precision was high; the average of the standard deviations of speed estimated at the 30 locations was 0.087 fps with a range from 0.044 to 0.180 fps.

The engineered design velocity for the Units 1 & 2 intake structure with all six CWPs operating is 0.5 fps. During the study, the average intake approach velocity for the MLPP intake system was 0.483 fps (**Table 3-2**). The measurement cell with the highest speed calculated was recorded at Unit 2 intake Bay B at 0.668 fps at the measurement cell closest to the seafloor (-15.22 ft MLLW). The lowest intake bay speed was 0.265 fps at Unit 2 intake Bay C at the measurement bin closest to the surface (-0.70 ft MLLW). Average speeds across the three intake bays at the north end of the intake structure (Unit 1) were 0.460 fps, and slightly lower than the three southern intake bays' (Unit 2) average of 0.506 fps.

Table 3-2. Intake structure approach velocities (V), Units 1 & 2 of the Moss Landing Power Plant as measured on December 14, 2022 and January 25, 2023, respectively. Vx is positive in the x direction along the intake structure face (~172° T). Vy is positive toward the intakes in the y direction (~82° T). Vz is positive up. Average speed is shown for individual intake bays, for each Unit, and the entire intake structure.

Unit -Bay	Elev (ft MLLW)	Vx (fps)	Vy (fps)	Vz (fps)	Speed (fps)	St. Dev. Speed (fps)	N	Bay (fps)	Unit (fps)	Group (fps)
1-a	-0.70	0.032	0.254	-0.058	0.274	0.046	5159	0.474	0.460	0.483
1-a	-4.57	-0.231	0.390	-0.009	0.460	0.049	5071			
1-a	-8.44	-0.122	0.486	-0.069	0.512	0.047	5201			
1-a	-11.35	0.032	0.483	-0.126	0.510	0.063	5162			
1-a	-14.25	-0.165	0.583	-0.050	0.615	0.059	5047			
1-b	-0.70	0.299	0.268	-0.064	0.412	0.044	5270	0.484		
1-b	-4.57	-0.120	0.430	-0.025	0.456	0.058	5134			
1-b	-8.44	-0.329	0.450	-0.077	0.568	0.056	5175			
1-b	-11.35	-0.243	0.372	-0.087	0.465	0.072	5061			
1-b	-14.25	-0.019	0.499	-0.076	0.519	0.075	5050			
1-c	-0.70	0.190	0.215	-0.038	0.299	0.098	5240	0.422		
1-c	-4.57	0.203	0.392	0.034	0.450	0.069	5128			
1-c	-8.44	-0.099	0.471	-0.056	0.489	0.049	5165			
1-c	-12.31	-0.129	0.416	-0.100	0.457	0.060	5238			
1-c	-15.22	0.011	0.406	-0.048	0.415	0.058	5108			
2-a	-0.70	0.217	0.290	-0.039	0.401	0.115	5018	0.497	0.506	
2-a	-4.57	-0.227	0.302	-0.053	0.425	0.151	4961			
2-a	-8.44	-0.396	0.378	-0.106	0.583	0.103	4995			
2-a	-12.31	-0.419	0.387	-0.153	0.623	0.149	5084			
2-a	-16.19	-0.259	0.317	-0.067	0.453	0.102	5043			
2-b	-0.70	0.040	0.257	-0.051	0.320	0.116	5045	0.546		
2-b	-4.57	-0.251	0.482	-0.077	0.591	0.124	5042			
2-b	-8.44	-0.371	0.470	-0.084	0.620	0.096	5097			
2-b	-12.31	-0.229	0.453	-0.065	0.533	0.087	5094			
2-b	-15.22	-0.386	0.527	-0.077	0.668	0.084	5048			
2-c	-0.70	-0.021	0.238	-0.033	0.265	0.075	5155	0.475		
2-c	-4.57	-0.028	0.368	-0.001	0.399	0.088	5095			
2-c	-8.44	-0.059	0.432	-0.089	0.475	0.095	5088			
2-c	-12.31	-0.469	0.416	-0.037	0.664	0.180	5026			
2-c	-16.19	-0.377	0.392	-0.059	0.573	0.128	4965			

Table 3-3 compares average speeds calculated for each Unit and the entire MLPP intake structure during the 2022 survey with those collected during previous surveys from 2012 through 2021. Similar to the recent 2017 and 2020 surveys, the intake structure approach speeds were slightly lower at the Unit 1 intake bays than those at Unit 2.

Table 3-3. Historical average intake speeds calculated for each Unit, and the entire MLPP intake structure.

Year	Unit 1 Average Speed (fps)	Unit 2 Average Speed (fps)	MLPP Intake Average Speed (fps)
2022	0.460	0.506	0.483
2021	0.531	0.483	0.507
2020	0.464	0.486	0.475
2019	0.444	0.436	0.440
2018	0.509	0.460	0.484
2017	0.526	0.531	0.512
2016	0.450	0.462	0.456
2015	0.373	0.384	0.378
2014	0.447	0.425	0.436
2013	0.484	0.478	0.481
2012	0.457	0.428	0.442

The velocity vectors as viewed from different vantage points at the MLPP intake structure are shown in **Figures 3-4** through **3-6**. **Figure 3-4** depicts the side view of the velocity vectors at Units 1 & 2. **Figure 3-5** presents the plan view of the velocity vectors for each bay at Units 1 & 2. **Figure 3-6** depicts a three-dimensional representation of the intake structure with the velocity vectors.

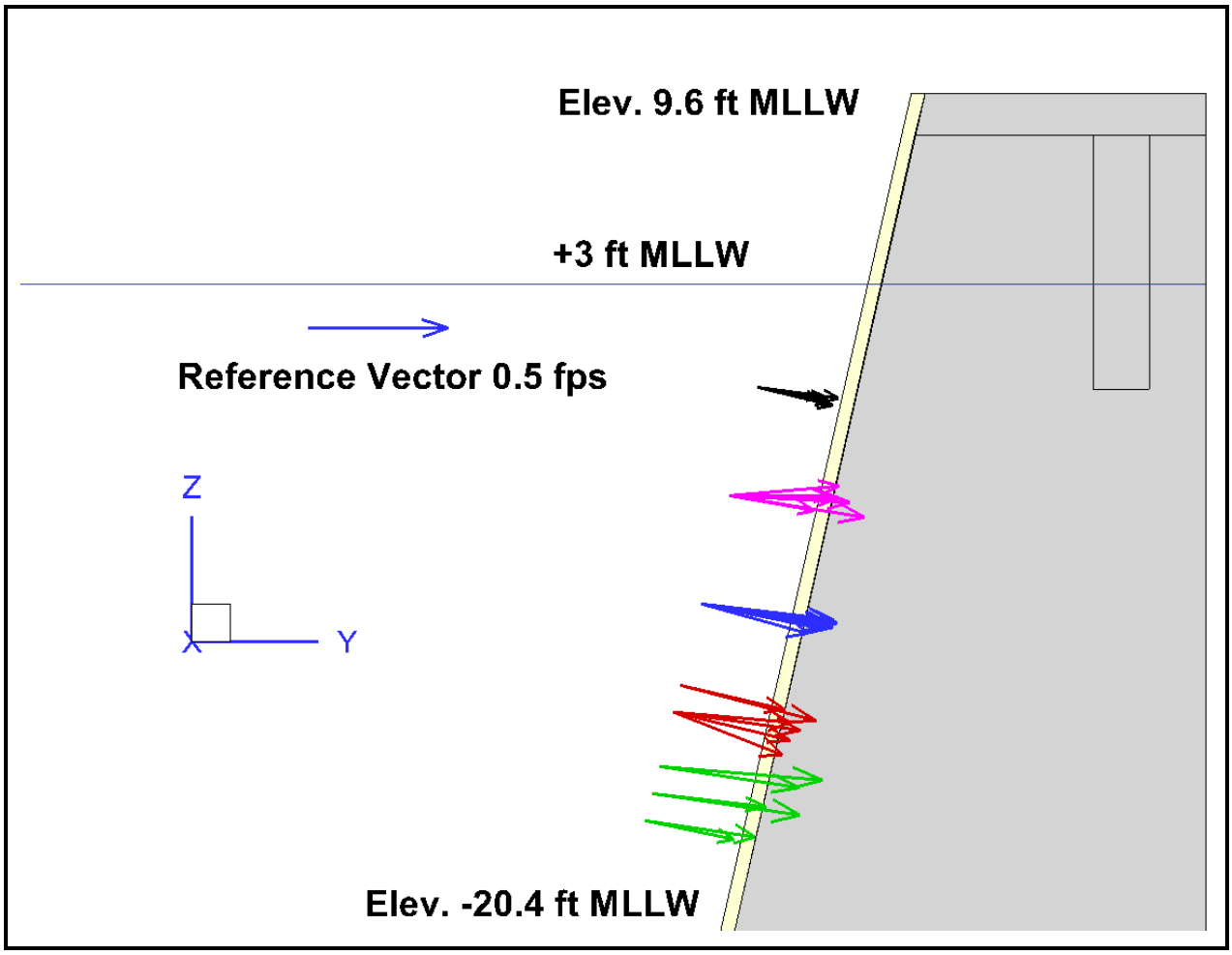


Figure 3-4. Side view of intake approach velocity vectors at the Moss Landing Power Plant, Units 1 & 2.

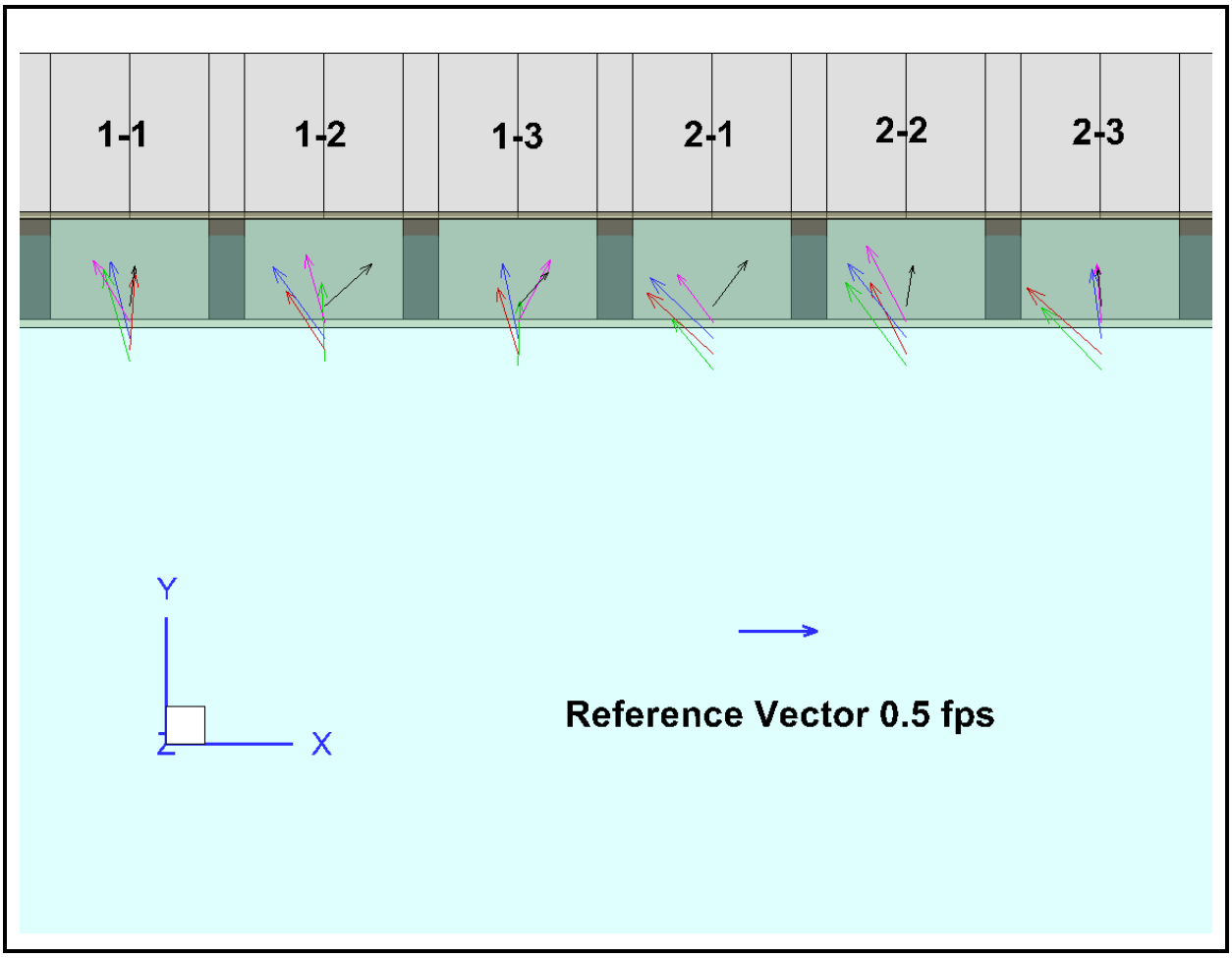


Figure 3-5. Plan view of intake approach velocity vectors at the Moss Landing Power Plant, Units 1 & 2.

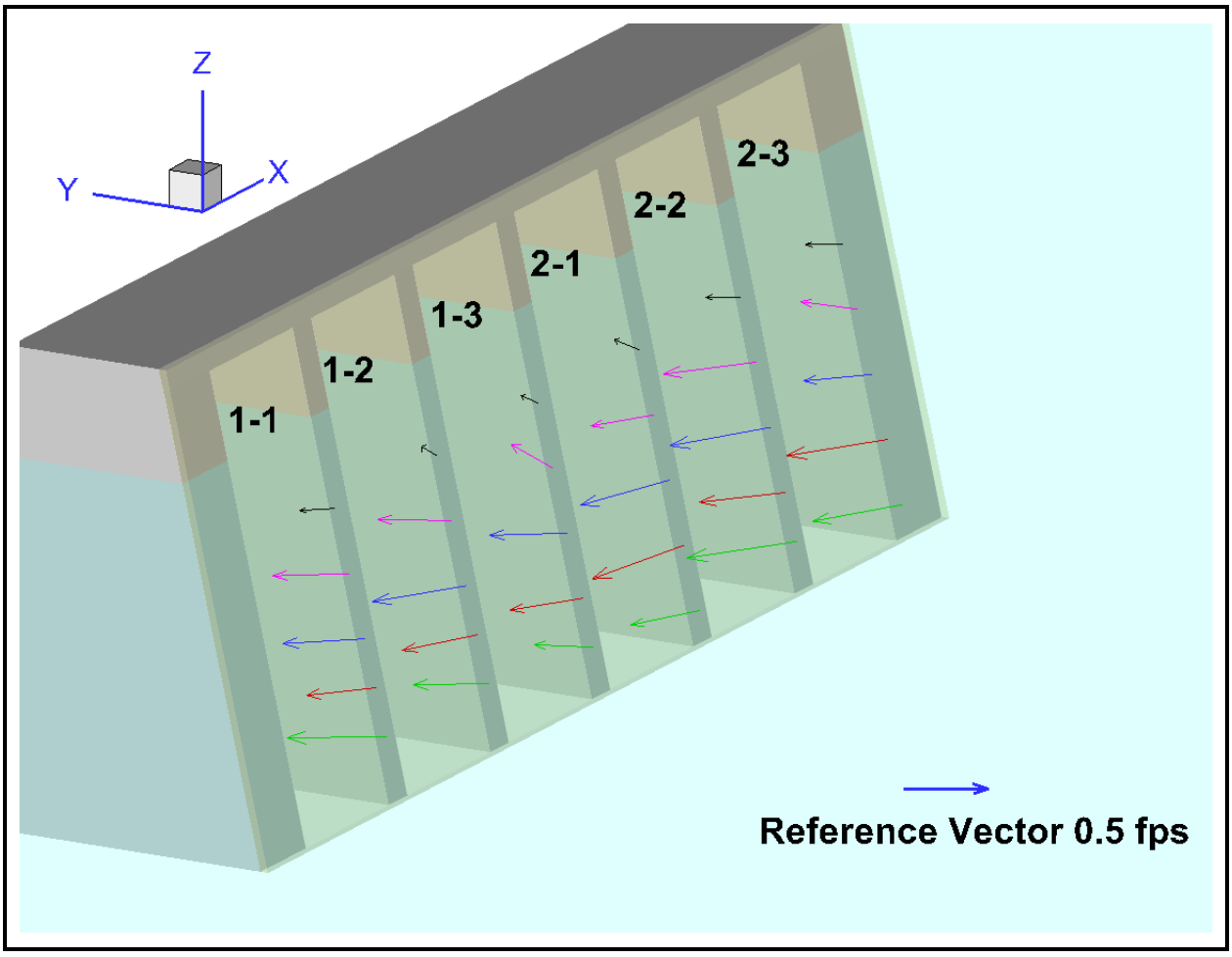


Figure 3-6. Intake approach velocity vectors at Units 1 & 2 of the Moss Landing Power Plant.

Moss Landing Power Plant

NPDES Annual Report – 2022

Climate Change Action Plan
Annual Progress Report

Moss Landing Power Plant

Climate Change Hazards, Vulnerabilities, and Response Plan Update

The State Water Board's Resolution No. 2017-0012, *Comprehensive Response to Climate Change*, requires a proactive response to climate change in all California Water Board actions, with the intent to embed climate change consideration into all programs and activities. The Central Coast Water Board is addressing the threats of climate change, sea level rise, and flooding by including provisions in new orders that ensure climate change mitigation and adaptation strategies are implemented.

When the Report of Waste Discharge is submitted for reissuance of this Order in 2025, Moss Landing Power Plant (MLPP) is required to submit a Climate Change Hazards, Vulnerabilities, and Response Plan. This Plan will report on MLPP's long-term approach for responding to climate change. The Climate Change Hazards, Vulnerabilities, and Response Plan shall, at a minimum:

1. *Identify current approaches being implemented at the facility to reduce greenhouse gas emissions.*
    a. Significant changes to MLPP acknowledge the changing energy sector in California and requirements to decrease greenhouse gas emissions. The conversion of MLPP from oil to natural gas in 1998, construction of energy efficient modernized generating units 1 and 2, and shutdown of the old inefficient units 6 and 7 have decreased greenhouse gas emissions from MLPP. Additionally, MLPP is the site of new battery storage projects that support the increased use of renewable energy in the state.
    b. The new MLPP Battery Energy Storage System (BESS) is a renewable energy storage system that reuses an existing three-story building that formerly housed antiquated generating units. The purpose of the BESS is to support state established renewable energy initiatives, by reducing the loss of energy procured from alternative energy sources (e.g. wind and solar). This project provides consistent reliable energy through storage of power during off-peak use times and dispersing that power back to the electrical grid for use during high-peak use times. The BESS has three major components consisting of battery energy storage, a power conversion system, and a substation. The substation receives energy from the electrical grid and the energy current is converted through the power conversion system (inverters and transformers) and stored within the battery energy storage. When needed during peak demand, the stored energy flows from the batteries through the power conversion system and substation to the electrical transmission grid.
        i. Stage 1 of the project consists of a 300-megawatt (MW) transmission connected, standalone lithium-ion BESS with four hours of storage and a 20-year life span. Stage 1 is complete and entered full-service grid connection in 2021.

ii. Stage 2 of the project consists of a 100-megawatt (MW) transmission connected, standalone lithium-ion BESS with four hours of storage and a 20-year life span. Stage 2 is complete and entered full-service grid connection in 2021.

c. New annual testing is being implemented at the facility's permitted Gasoline Dispensing Station to align with the California Air Resource Board's (CARB) Vapor Recovery Certification Procedure. The new testing will ensure system components are in compliance with CARB's fugitive emission reduction policies.

d. The facility actively monitors and reports emissions from certain industrial off-road vehicles as part of CARB's In-Use Off-Road Diesel-Fueled Fleets Regulation program.

2. *Identify and assess potential approaches to be implemented at the facility to reduce greenhouse gas emissions in the future. Identify preferred approaches based on effectiveness in reducing greenhouse gas emissions and feasibility of implementation.*

   a. The facility is planning to continue expanding its battery storage operations across the site. The full scale of the reduction in greenhouse gases due to continuing BESS facility expansion has not been calculated at this time but it is expected to be significant.

   b. The facility stays apprised of industry best practices and gas turbine system operational nuances to constantly ensure the most efficient methods are employed during periods of "startup and shutdown". When new operational methods are identified, they will be assessed as to their potential for reduction in energy output and therefore, greenhouse gas emissions.

3. *Identify climate change hazards that could cause reduction, loss, and/or failure of processes and/or critical infrastructure at the facility (e.g., intake structure, conveyances to discharge points, discharge facilities) and assess facility vulnerability to those climate change hazards. For the anticipated life of the facility, accounting for forecasted climatic changes,1 at a minimum include assessment of facility process and infrastructure vulnerability to the following:*

   a) *The range of potential sea-level rise and flooding scenarios at the facility, including potential resulting impacts such as:*

      i. *inundation,*
      i. *corrosion,*
      ii. *erosion,*
      iii. *disruption of power or electrical components,*
      iv. *saltwater intrusion and backflows,*
      v. *deposition of solids,*

vi. *infiltration,*
vii. *overflows, and*
viii. *impairment of treatment processes.*

The facility anticipates little to no impacts to processes and/or infrastructure caused by the above-mentioned scenarios. <5% of the facility's Network is located in the FEMA 100-year floodplain and no portion of the facility's network is currently protected by a FEMA-accredited levee. Additionally, the facility utilized the "Our Coast, Our Future" hazard map to determine that there is currently no impact anticipated from flooding or coastal erosion. The facility currently has regular preventative and corrective maintenance programs in place which will continue to service, maintain, and repair any equipment and/or infrastructure issues.

b. *The range of potential temperature scenarios, including ocean temperature changes and resulting potential marine life changes and facility impacts (e.g., clogging of the intake screens by large blooms of marine organisms such as jellyfish and siphonophores); and*

The facility regularly deals with acute and long-term marine life changes which may or may not affect operations. For example, seaweed mats and jellyfish blooms are encountered from time to time and the facility is ready to respond with the correct actions necessary to maintain operational stability. The facility does not anticipate any appreciable impact to operations from ocean temperature changes and resulting potential marine life changes.

c. *The range of potential extreme low and extreme high influent scenarios.*

The facility's influent is ocean water which flows into the system from the Moss Landing Harbor, which is connected to Monterey Bay. This influent water is controlled via Circulating Water Pumps (CWPs), which allow the flow of influent water into the facility. An "extreme high" or "extreme low" influent scenario is not possible as all influent water is controlled by pumps which are operated by facility personnel.

4. *Prioritize climate change hazards and vulnerabilities at the facility.*

Hazard	Vulnerability	Risk
Sea Level Rise	Equipment/infrastructure damage, operational stability	Low
Drought	N/A	None
Flooding	Equipment/infrastructure damage, operational stability	Low

Ocean Temperature Increase	N/A	None
Changing Climate & Weather	N/A	None

5. *Identify climate change hazard triggers that will initiate responses at the facility.*

The following scenarios will be considered hazard triggers which will initiate responses at the facility:

- Sea level rise >0.38 meters by 2030
- Regular facility flooding (>50% of the facility is flooded >50% of the time between October – March) caused by increased precipitation events
- The inability to manage stormwater
- The inability to safely operate the facility due to climate change hazards
- Failing infrastructure due to climate change related hazards
- Financial losses at the facility >$1 million in any given fiscal year due to climate change related hazards

The remaining items of the plan outline shown below are still in development at this time and will be updated in future annual reports.

---

6. *Identify and prioritize potential responses to climate change hazard triggers, accounting for a full suite of potential adaptation responses.*
7. *Prioritize potential responses to climate change hazard triggers that achieve long-term facility safety and operation and minimize resource impacts.*
8. *Identify next steps the Discharger will implement to reduce greenhouse gas emissions and ensure that the facility is safe from and resilient to climate change hazards.*
9. *deposition of solids, infiltration, overflows, impairment of treatment processes*

EXHIBIT 4

Dynegy Moss Landing, LLC clean closed the Surface Impoundments and Filter Press in 2018 and received a Closure Certification Acknowledgement letter from the Department of Toxic Substances Control (DTSC) dated April 24, 2019 (attached in Exhibit 4 of the 2018-2019 Annual Compliance Report). The Permit with the Central Coast Regional Water Quality Control Board (CCRWQCB) for the Class 1 Surface Impoundments, WDR Order No. R3-2014-0029, expired on July 31, 2019 and was not renewed. A final copy of the Annual Groundwater Monitoring Report for the Class 1 Surface Impoundments was attached to the 2018-2019 Annual Compliance Report.

Comparison of Actual Waste Management Methods
to
Planned Waste Management Methods

For

Combined Cycle Electrical Generation
Units #1 and #2

Moss Landing Power Plant
Moss Landing, California

July 1, 2022 – June 30, 2023

MOSS LANDING POWER PLANT
UNITS 1 AND 2
ACTUAL WASTE MANAGEMENT METHODS

GENERAL

Pursuant to condition of certification WASTE-2, Moss Landing Power Plant (MLPP) submitted its Operational Waste Management Plan for Combined Cycle Electrical Generation Units 1 and 2 to the California Energy Commission (CEC) on May 17, 2002. The CEC approved this Plan in a letter to MLPP, dated September 27, 2002. WASTE-2 requires MLPP to document the actual waste management methods used during the year compared to the planned management methods. MLPP reports that there is no variation between the actual waste management methods and the planned waste management methods. The following waste management review will describe the type of waste streams, frequency of disposal, and the methods used to dispose of the wastes generated during the July 1, 2022 through June 30, 2023 review period.

The waste streams addressed in this review (Appendix A) include hazardous, non-hazardous, and universal waste streams. Recycling and waste minimization has been accomplished whenever feasible. MLPP has developed and implemented a Hazardous Materials Business Plan (which is now reported to the California Environmental Reporting System (CERS)), Facility Emergency Plan, a Spill Prevention Control and Countermeasures Plan and a Source Reduction Evaluation Review Plan. Units 1 and 2 have been incorporated into these plans. The following review is a synopsis of the waste handling procedures dictated by these plans and used during the July 2022 through June 2023 time frame for the combined cycle generating Unit 1 and 2, at MLPP.

NON-HAZARDOUS WASTE

Non-hazardous waste consisting of metal, cardboard and wood is recycled with other non-hazardous waste such as packaging material, office waste, empty containers, and trash, disposed of in local Class II or Class III landfills.

UNIVERSAL WASTE

Waste streams meeting the Universal Waste definitions contained in Title 22 of the California Code of Regulations (CCR). The Universal Waste stream includes used batteries, fluorescent and mercury vapor lamps, electronic devices, cathode ray tubes (CRTs) and aerosol cans which are collected in designated universal waste collection areas. In accordance with title 22 regulations, universal wastes are accumulated on-site in properly labeled containers for no more than one year. Prior to the elapse of the one year time limit, MLPP personnel or a licensed hazardous waste transporter is contracted to transport the waste to an EPA approved recycling/disposal site.

HAZARDOUS WASTE

Waste generated as a result of the operation and maintenance of Combined Cycle Units 1 & 2 is analyzed and assessed to ensure compliance with all applicable state and federal hazardous waste regulations. Wastes determined to meet the definition of hazardous waste are accumulated at various formally identified satellite accumulation areas located throughout the facility or at the 90 Day Hazardous Waste Storage Area. All hazardous wastes are placed in containers appropriate for the material being placed in them that have been labeled in accordance with state and federal hazardous waste regulations and US Department of Transportation (DOT) regulations. The waste is transported by a registered hazardous waste transporter to a Class I landfill or recycled within 90 days.

CONTINGENCY PLAN

This section outlines the general Contingency Plan for the Moss Landing Power Plant (MLPP). The MLPP Business Plan/Contingency Plan is now reported to the California Environmental Reporting System (CERS)). The Facility Emergency Plan contains policies and procedures for responding to actual emergencies. Divided into color coded sections, the FEP addresses response and notification to fire, earthquake, flood, medical and chemical spill events.

Note:

> **During an actual emergency situation, including Hazardous Materials Incidents, site personnel will reference the Facility Emergency Plan for incident specific information, and response policies and procedures**.

The following subheadings are organized to provide information required by the Monterey County Department of Health for compliance with state emergency response/contingency plan requirements for Hazardous Materials Incidents.

INCIDENT COMMANDERS

The Primary Incident Commander at MLPP is the Plant Manager/Managing Director. The Secondary Incident Commander is the On-Shift Supervisor. 24-hour contact information for these Incident Commanders is maintained at the MLPP Energy Management Center and listed in the Teams & Contacts section of the Facility Emergency Plan. The Plant Manager, and Operations Shift Supervisors are trained in Plant emergency response policies and procedures, and have the authority required by regulation to act as site Incident Commander in the event of a hazardous material, waste or other emergency.

REPORTING AND NOTIFICATION

All releases, or threatened releases, involving a hazardous material or waste, are reported immediately to the Incident Commander, who will immediately assess the scene of the emergency. The plant emergency response team and other key personnel on the emergency contact list in the Facility Emergency Plan are notified as needed.

The Incident Commander will determine if the spill, release, or threatened release is reportable.

Any release or threatened release of a hazardous material or waste that may pose a significant present or potential hazard to human health and safety, the environment, or property, will be immediately verbally reported to: (1) the Emergency Response Agency at "911" (Monterey County Communications Department), or the Monterey County Health Department – Division of Environmental Health; and (2) the California Office of Emergency Services. Immediate reporting will occur as soon as possible following knowledge of such a release, without impeding necessary immediate controls or emergency measures. Immediate reporting will include at least the following information:

- Name and telephone number of the reporter
- Name and address of the facility
- Time and type of incident (e.g., release, fire)
- Name and quantity of material(s) involved, to the extent known
- Extent of injuries, if any
- The possible hazards to human health or the environment outside of the facility
- Whether or not agency assistance is required

Certain types of releases such as releases in excess of Reportable Quantities specified in Title 40 Code of Federal Regulations 302.4 and 355, and releases to navigable waters, may require additional reporting to the U.S. Coast Guard, National Response Center, the Regional Water Quality Control Board, California Department of Toxic Substances Control, or other agencies. Verbal and written reports may be required. Following a release or other emergency, potential reporting requirements will be reviewed and MLPP will comply with reporting requirements, as applicable.

The Incident Commander or their designee will perform immediate reporting. The Incident Commander or designee will determine the need for outside assistance and contact other appropriate response organizations (e.g., medical providers, ambulance service, police and cleanup crews), as necessary.

Agency contact information necessary to make required notifications in the event of an emergency are provided in the Facility Emergency Plan. Forms to assist in collecting information and/or recording telephone notifications are also provided in the Facility Emergency Plan .

EMERGENCY RESPONSE ARRANGEMENTS

Arrangements have been made with local authorities to respond to an emergency that is beyond the capabilities of on-site resources. The local emergency services organizations listed below have been provided with information on the layout of the facility, properties of hazardous materials handled at the facility and associated hazards, places where facility personnel would normally be working, entrances to and exits from

the facility, roads inside the facility, and possible evacuation routes. The local health care providers listed below have been informed of the properties of hazardous materials handled at the facility and the general type of injuries or illnesses which could result from fires, explosions or releases at the facility.

- Local Authorities and Emergency Response Organizations
  - Monterey County Department of Health – Division of Environmental Health
  - North Monterey County Fire District
  - Monterey County Sheriff
- Health Care Providers
  - Selected local hospital
  - Selected local ambulance service

EMERGENCY EQUIPMENT

Equipment that may be used to respond to emergencies is located throughout the facility. Emergency equipment locations are shown in the site plot plans in the Green Section of –the Facility Emergency Plan. Emergency response equipment includes telephones, fire extinguishers, fire hose reels, fire hydrants, self-contained breathing apparatus, first aid kits, stretchers, eyewashes, safety showers, and spill containment/cleanup equipment.

EVACUATION INFORMATION

Should it become necessary to evacuate the facility, the order will be given via the facility emergency notification system and emergency siren activated from the Energy Management Center.

Upon receiving the order to evacuate, and if safe to do so, employees are to shut down equipment and machines and immediately proceed to the nearest of three Evacuation Assembly Areas, formally identified in the Facility Emergency Plan.

In the event that it becomes necessary to evacuate personnel from locations on the plant site, or the public off the plant site, the plant evacuation plan is to be followed. A copy of this plan is included in the Facility Emergency Plan.

EMERGENCY PROCEDURES

Telephone numbers and detailed emergency response procedures are provided in the Facility Emergency Plan to facilitate timely and effective implementation of emergency response actions. The Facility Emergency Plan includes procedures for fires, expositions, spills, releases, earthquakes, and other potential emergency situations. **In**

an actual emergency, the Incident Commander and plant staff will reference the Facility Emergency Plan.

Whenever there is an imminent or actual emergency situation such as an explosion, fire, or significant release, the Incident Commander (or his/her designee) will:

- Identify the character, exact source, amount, and areola extent of released hazardous materials, if any;
- Assess possible hazards to human health or the environment that may result from the explosion, fire, or release. This assessment will consider both direct and indirect effects of any toxic, irritating, or asphyxiating gases that are generated, the effects of hazardous surface water runoff from water or chemical agents used to control fire, etc.;
- Activate appropriate internal facility alarms or communications systems to notify appropriate personnel;
- Notify the State Office of Emergency Services ([916] 845-8510) and the Monterey County Communications Department (@911) or Division of Environmental Health ([831] 755-4540);
- Notify other appropriate local authorities and organizations with designated response roles, if their help is needed;
- Monitor for leaks, pressure buildup, gas generation, or ruptures in valves, pipes, or other equipment shut down in response to the incident;
- Take all reasonable measures necessary to ensure that fires, explosions, or releases do not occur, recur, or spread to other hazardous materials at the facility; and
- Take other reasonable measures necessary to abate hazards to persons, the environment, or property.

During an emergency, the Incident Commander or his/her designee will stand by to assist emergency response agencies and offer the benefit of site specific knowledge of the facility.

Following a major emergency, the Incident Commander or his/her designee will:

- Prepare a written summary of all significant actions taken due to the emergency;
- Disseminate appropriate information regarding the emergency and associated response actions to MLPP staff and corporate officers responsible for emergency planning and response activities, and to relevant external entities;

- Ensure that emergency response plans are reviewed to determine whether modifications should be made in light of the experience gained during the emergency; and
- Review regulatory requirements for follow-up and reporting and take actions necessary to respond to these requirements.

EMERGENCY RESPONSE TRAINING

Moss Landing Power Plant provides training for all employees whose positions are related to hazardous materials management, and who may be involved in hazardous materials emergencies. The training consists of classroom instruction and on-the-job training aimed at providing employees with the knowledge and means to properly identify and safely handle hazardous materials.

Key aspects of MLPP employee training include general hazard communication, Safety Data Sheet (SDS) utilization, proper use of personal protective equipment (PPE) to minimize or eliminate exposure when handling hazardous materials, and for non-administrative employees, emergency response training. Emergency response training includes instruction on the content, location, and use of the MLPP Facility Emergency Plan, procedures for coordination with local emergency response organizations, use of emergency response equipment and supplies, and other appropriate topics. The training is designed to comply with requirements of 22 CCR Section 66264.16, 19 CCR Section 2732, and applicable portions of 8 CCR and other relevant regulations.

All applicable employee training documentation, including a full description of training content, presentation materials, and records of both initial employee training and annual refresher training, are maintained on-site at the MLPP.

Appendix "A"

Units 1 & 2 Combined Cycle Waste Streams

CA WASTE CODE	HAZARDOUS WASTE	Estimated Quantity Tons/year	Frequency Of disposal	Disposition Of Waste
121	Alkaline solution with metals	0.01	Every 90 days	Treat
122	Alkaline solution without metals	0.02	Every 90 days	Recycle
132	Aqueous solutions with metals	0.001	Every 90 days	Treat
181	Inorganic solid waste	3	Every 90 days	Landfill
213	Hydrocarbon solvent	0.01	Every 90 days	Recycle
214	Unspecified solvent mixture	0.3	Every 90 days	Recycle
221	Waste oil and mixed oil	50.	Every 90 days	Recycle
223	Oil containing waste	1	Every 90 days	Landfill
291	Latex waste	0.2	Every 90 days	Recycle
331	Paint waste solids	0.07	Every 90 days	Recycle/landfill
343	Organic liquid mixture	0.50	Every 90 days	Recycle
352	Other organic solids	1	Every 90 days	Landfill
461	Paint sludge	0.7	Every 90 days	Recycle
512	Empty drums >30 gal.	0.03	Every 90 days	Recycle
513	Empty containers <30 gal.	1	Every 90 days	Recycle
551	Laboratory waste materials	0.5	Every 90 days	Recycle
611	Contaminated soil	0.1	Every 90 days	Landfill
791	Waste acidic liquids, pH <2	0.06	Every 90 days	Recycle
	NON_HAZARDOUS WASTE			
	Wood pallets	5	Monthly	Recycle
	Shipping /packing material	1	Monthly	Landfill
	Paper/cardboard	5	Monthly	Recycle
	Scrap metal	10	Monthly	Recycle
	Waste liquids with non-hazardous chemicals	50	Monthly	Recycle
	Iron oxide from boilers	3	Monthly	Recycle
	UNIVERSAL WASTE			
	Aerosol Cans	0.2	Yearly	Recycle
	Electronic Devices	2	Yearly	Recycle
	Cathode Ray Tubes (CRT)	0.5	Yearly	Recycle
	Fluorescent & Mercury Vapor Lamps	0.05	Yearly	Recycle
	Batteries (Non-Automotive)	1	Yearly	Recycle

California Energy Commission's Condition of Certification

VISUAL RESOURCES – 1

MOSS LANDING POWER PLANT
STATUS REPORT REGARDING TREATMENT MAINTENANCE

California Energy Commission Condition of Certification Visual Resources – 1(d) requires Moss Landing Power Plant to submit in its Annual Compliance Report a status report regarding the treatment maintenance of the project structures. The project structures, which are visible to the public, have been painted with a CPM-approved and Monterey County-approved non-reflective color that minimizes contrast and harmonizes with the surrounding environment.

The Moss Landing Power Plant Maintenance Department has procedures to address all aspects of maintaining the power plant efficiently. Issues such as coating or painting are captured by staff's surveillance and utilization of checklists. Once an item is deemed in need of maintenance, Project Planners schedule and prioritize the maintenance through a work order process. Outside contractors are also utilized at Moss Landing Power Plant. A Supervisor inspects and signs off on the work once it is fully complete.

A copy of the checklists used to survey the coatings on Units 1 and 2 are attached to this summary.

INSPECTION CHECKLIST
of
PAINT TREATMENT

2022 - 2023

UNIT: Steam Turbine 1

	TURBINE/ GENERATOR	CONDENSER	SUPERSTRUCTURE
Chalking	2	2	2
Erosion	1 (1), 4(4), 4 (2)	3 (5), 4(6)	1
Discoloration	4 (1)	3	1
Fading	4 (3)	3	2
Loss of Gloss	2	2	2
Mildew Defacement	1	1	1
Moisture Blushing	1	1	1
Orange Peel	1	1	1
Wrinkling	1	1	1
Chemical Attack	1	1	1
High Temperature Attack	4 (2)	1	1
Mottling	1	1	1
Crackling	1	1	1
Saponification	1	1	1
Disbonding (peel/blister)	1	1	1
Crawling (fish eye)	1	1	1

Comments:
(1) Turbine Compartment
(2) Air Ejector
(3) Closed Cooling Piping
(4)Cross Over
(5) Water Box Priming System
(6) L.P Piping
(7) Structure Base

Rating System: Mark a number from 1 through 5 in the appropriate box to indicate the condition of the coating:
1 = No Problems; 2 = Minor Problems; 3 = Average Problems; 4 = Increased Problems; 5 = Major Problems.

INSPECTION CHECKLIST
of
PAINT TREATMENT

2022 - 2023

UNIT: Steam Turbine 2

	TURBINE/ GENERATOR	CONDENSER	SUPERSTRUCTURE
Chalking	1	2	3
Erosion	4 (2), 2,4 (5)	4-5, 1 (3)	2
Discoloration	4	1 (3), 1	1
Fading	4 (2)	3	2
Loss of Gloss	2	4	3
Mildew Defacement	1	1	1
Moisture Blushing	1	1	1
Orange Peel	1	1	1
Wrinkling	1	1	1
Chemical Attack	1	1	1
High Temperature Attack	4 (2)	1	1
Mottling	1	1	1
Crackling	1	1	1
Saponification	1	1	1
Disbonding (peel/blister)	1	4 (4)	1
Crawling (fish eye)	1	1	1

Comments:
(1) Turbine Compartment
(2) Air Ejector
(3) Closed Cooling Piping
(4)Cross Over
(5) Water Box Priming System
(6) L.P Piping
(7) Structure Base

Rating System: Mark a number from 1 through 5 in the appropriate box to indicate the condition of the coating:
1 = No Problems; 2 = Minor Problems; 3 = Average Problems; 4 = Increased Problems; 5 = Major Problems.

INSPECTION CHECKLIST
of
PAINT TREATMENT

2022 - 2023

UNIT: HRSG & Gas Turbine 1

	HRSG	TURBINE/ GENERATOR	STACK	SUPERSTRUCTURE
Chalking	2	4(3)	2	2
Erosion	4(2)	4(3), 4(4), 2(9)	1	1
Discoloration	4(1), 4(2)	4(3), 4(4)	3	1
Fading	4(1)	4(3)	2	2
Loss of Gloss	3	3	3	3
Mildew Defacement	1	1	1	1
Moisture Blushing	1	1	1	1
Orange Peel	1	1	1	1
Wrinkling	1	1	1	1
Chemical Attack	1	1	1	1
High Temperature Attack	2(1)	1	3	1
Mottling	1	1	1	1
Crackling	1	1	1	1
Saponification	1	1	1	1
Disbonding (peel/blister)	2(1)	1	1	1
Crawling (fish eye)	1	1	1	1

Comments:
(1) Blowdown Tanks
(2) Piping (HRH,CRH, Aux STM, LP STM, Main STM, Vent Piping)
(3) Lube Oil Compartment/PECC
(4) Turbine?Generator Piping
(5) G/T Shelter Siding
(6) HRSG Casing
(7) Closed Cooling Piping
(8) Collector/ Generator
(9) Filter House

Rating System: Mark a number from 1 through 5 in the appropriate box to indicate the condition of the coating:
1 = No Problems; 2 = Minor Problems; 3 = Average Problems; 4 = Increased Problems; 5 = Major Problems.

INSPECTION CHECKLIST
of
PAINT TREATMENT

2022 - 2023

UNIT: HRSG & Gas Turbine 2

	HRSG	TURBINE/ GENERATOR	STACK	SUPERSTRUCTURE
Chalking	2	4(3)	3	2
Erosion	3(2), 2(8), 3	3,2(3), 3(9)	2	1
Discoloration	4(2),4,4(1)	2(7)	3	1
Fading	2, 4(1)	2(7), 2(3)	4	1
Loss of Gloss	4	1(7), 1(3)	4	2
Mildew Defacement	1	1	1	1
Moisture Blushing	1	1	1	1
Orange Peel	1	1	1	1
Wrinkling	1	1	1	1
Chemical Attack	1	1	1	1
High Temperature Attack	2, 2(1)	1	2	1
Mottling	1	1	1	1
Crackling	1	1	1	1
Saponification	1	1	1	1
Disbonding (peel/blister)	1	2	1	1
Crawling (fish eye)	1	1	1	1

Comments:
(1) Blowdown Tanks
(2) Piping (HRH,CRH, Aux STM, LP STM, Main STM, Vent Piping)
(3) Lube Oil Compartment/PECC
(4) Turbine?Generator Piping
(5) G/T Shelter Siding
(6) HRSG Casing
(7) Closed Cooling Piping
(8) Collector/ Generator
(9) Filter House

Rating System: Mark a number from 1 through 5 in the appropriate box to indicate the condition of the coating:
1 = No Problems; 2 = Minor Problems; 3 = Average Problems; 4 = Increased Problems; 5 = Major Problems.

INSPECTION CHECKLIST
of
PAINT TREATMENT

2022 - 2023

UNIT: HRSG & Gas Turbine 3

	HRSG	TURBINE/ GENERATOR	STACK	SUPERSTRUCTURE
Chalking	3	3(3)	3	3
Erosion	4(2), 4	4, 3(3), 2(9)	1	1
Discoloration	4(1)., 4(2)	4, 4(3)	3	1
Fading	4(2)	2(4)	3	2
Loss of Gloss	4	4	4	3
Mildew Defacement	1	1	1	1
Moisture Blushing	1	1	1	1
Orange Peel	1	1	1	1
Wrinkling	1	1	1	1
Chemical Attack	1	1	1	1
High Temperature Attack	4,4(1)	2	1	1
Mottling	1	1	1	1
Crackling	1	1	1	1
Saponification	1	1	1	1
Disbonding (peel/blister)	4,2(1)	2(5)	1	1
Crawling (fish eye)	1	1	1	1

Comments:
(1) Blowdown Tanks
(2) Piping (HRH,CRH, Aux STM, LP STM, Main STM, Vent Piping)
(3) Lube Oil Compartment/PECC
(4) Turbine?Generator Piping
(5) G/T Shelter Siding
(6) HRSG Casing
(7) Closed Cooling Piping
(8) Collector/ Generator
(9) Filter House

Rating System: Mark a number from 1 through 5 in the appropriate box to indicate the condition of the coating:
1 = No Problems; 2 = Minor Problems; 3 = Average Problems; 4 = Increased Problems; 5 = Major Problems.

INSPECTION CHECKLIST
of
PAINT TREATMENT

2022 - 2023

UNIT: HRSG & Gas Turbine 4

	HRSG	TURBINE/ GENERATOR	STACK	SUPERSTRUCTURE
Chalking	3	4(4)	2	2
Erosion	4(1), 4, 4(2)	4(4),1(9),4	2	2
Discoloration	4(1), 4(2)	3(4)	4	1
Fading	3	3	3	2
Loss of Gloss	4	4	4	4
Mildew Defacement	1	1	1	1
Moisture Blushing	1	1	1	1
Orange Peel	1	1	1	1
Wrinkling	1	1	1	1
Chemical Attack	1	1	1	1
High Temperature Attack	4	1	1	1
Mottling	1	1	1	1
Crackling	1	1	1	1
Saponification	1	1	1	1
Disbonding (peel/blister)	4(1)	2(5)	1	1
Crawling (fish eye)	1	1	1	1

Comments:
(1) Blowdown Tanks
(2) Piping (HRH,CRH, Aux STM, LP STM, Main STM, Vent Piping)
(3) Lube Oil Compartment/PECC
(4) Turbine?Generator Piping
(5) G/T Shelter Siding
(6) HRSG Casing
(7) Closed Cooling Piping
(8) Collector/ Generator
(9) Filter House

Rating System: Mark a number from 1 through 5 in the appropriate box to indicate the condition of the coating:
1 = No Problems; 2 = Minor Problems; 3 = Average Problems; 4 = Increased Problems; 5 = Major Problems.

Steam Turbine Cold Startup and Combustion Tuning - July 1, 2022 to June 30, 2023

MOSS LANDING POWER COMPANY LLC **Cold Starts and Combustion Tuning Information**

		Event	Hrs Since Last Oprtn	SU > 71 hrs ? *	Start Date/Time	End Date/Time	Hrs	Min	Pass under 240 min limit ?	CO lbs/hr	Pass Std SU (lbs/hr)?	NOx lbs/hr	Pass Std SU (lbs/hr)?
		PTO Condition 5 LIMITS									3608		320
Mar '23	4A	Combustion Tuning	n/a	n/a	3/31/23 7:34	3/31/23 7:44	0.18 hrs	10 min	ok	34	ok	4	ok
Apr '23	4A	Steam Turbine Cold Startup	425	YES	4/19/23 16:20	4/19/23 19:18	2.98 hrs	178 min	ok	1799	ok	321	**OVER**
May '23	2A	Combustion Tuning	n/a	n/a	5/6/23 15:12	5/6/23 15:39	0.47 hrs	27 min	ok	92	ok	26	ok
May '23	1A	Combustion Tuning	n/a	n/a	5/7/23 14:21	5/7/23 14:45	0.42 hrs	24 min	ok	116	ok	26	ok
Jun '23	1A	Steam Turbine Cold Startup	586	Yes	6/1/23 10:31	6/1/23 13:57	3.45 hrs	207 min	ok	3845	**OVER**	346	**OVER**

PTO = Permit To Operate

SU = Startup

* **PTO Condition 3**: Steam turbine cold start-up periods are start-up periods that last more than four (4) hours or exceed emission limits in Condition 5, and follow a shutdown of the steam turbine for at least 72 hours.

5 Steam Turbine Cold Start and Combustion Tuning events

		STCS	Comb Tuning	Total
1A	Hrs used under NEW* defn. =	3.45 hrs	0.42 hrs	3.87 hrs
2A	Hrs used under NEW* defn. =	0.00 hrs	0.47 hrs	0.47 hrs
3A	Hrs used under NEW* defn. =	0.00 hrs	0.00 hrs	0.00 hrs
4A	Hrs used under NEW* defn. =	2.98 hrs	0.18 hrs	3.16 hrs

MONTEREY BAY AIR RESOURCES DISTRICT

PERMIT TO OPERATE

GNR-0018644

24580 SILVER CLOUD CT., MONTEREY, CA 93940 TELEPHONE (831) 647-9411 • FAX (831) 647-8501

OPERATION UNDER THIS PERMIT MUST BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS INCLUDED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED. THE EQUIPMENT MUST BE PROPERLY MAINTAINED AND KEPT IN GOOD CONDITION AT ALL TIMES. THIS PERMIT TO OPERATE MUST BE POSTED OR ACCESSIBLE.

LEGAL OWNER OR OPERATOR:	MOSS LANDING POWER COMPANY, LLC
EQUIPMENT LOCATED AT:	Moss Landing Power Plant Highway One & Dolan Road Moss Landing, California
EQUIPMENT DESCRIPTION AND CONDITIONS:	THIS PERMIT TO OPERATE IS ISSSUED AND IS VALID FOR THIS EQUIPMENT ONLY WHILE IT IS IN THE CONFIGURATION SET FORTH IN THE FOLLOWING DESCRIPTION:

COMBINED CYCLE GAS TURBINE GENERATOR UNIT 1A:

1. Gas Turbine Generator, General Electric Frame 7, Model PG7241, Serial #297602, Rated At 1,870 MMBtu/Hr Maximum Heat Input And 180 MW Nominal Electrical Output, Dry Low-NO_x Combustor.

2. Water Tube Type Heat Recovery Steam Generator (HRSG), Nominal Ratings: High Pressure Steam Capacity: 409,900 Lbs/Hr @ 1,903 psia And 1,047°F, Intermediate Pressure Steam Capacity: 484,500 Lbs/Hr @ 358 psia And 1,022°F, Low Pressure Steam Capacity: 55,300 Lbs/Hr @ 71 psia And 499°F.

3. Steam Turbine Generator And Condenser Serving Gas Turbine Units 1A And 2A, Quadruple Admission, Triple Extraction, 196.8 MW Nominal Rated Electrical Output.

4. Selective Catalytic Reduction NO_x Control System Consisting Of 2,244 Ft^3 Cormetech Type CM-21 Vanadium, Titanium, And Tungsten Oxide Honeycomb Catalyst Located Within The HRSG.

5. Ammonia Injection System.

6. CEM System Consisting Of:

    a. Sample Acquisition Probe As Described In The Monitoring And Reporting Protocol.

    b. Instrumentation Shelter, 8' x 10', Located Approximately 20 Feet From The Stack. Shelter Houses Sample Transport And Conditioning Systems, And Analyzers.

    c. Analyzers:

        i. Chemiluminescence Analyzer Measuring NO_2.

THIS PERMIT BECOMES VOID UPON ANY CHANGE OF OWNERSHIP OR ADDRESS, OR ANY ALTERATION.

THIS PERMIT DOES NOT AUTHORIZE THE EMISSIONS OF AIR CONTAMINANTS IN EXCESS OF THOSE ALLOWED BY ARTICLE 1, CHAPTER 3, PART 4, DIVISION 26 OF THE HEALTH & SAFETY CODE OF THE STATE OF CALIFORNIA OR THE RULES AND REGULATIONS OF THE AIR POLLUTION CONTROL DISTRICT. THIS PERMIT CANNOT BE CONSIDERED AS PERMISSION TO VIOLATE EXISTING LAWS, ORDINANCES, REGULATION OR STATUTES OF OTHER GOVERNMENTAL AGENCIES.

Mary Giraudo, For
AIR POLLUTION CONTROL OFFICER

DATE 4/21/2021

ii. Analyzer Measuring CO Via Non-Dispersive Infrared Measurement And O_2 Via Paramagnetic Measurement As Described In Monitoring And Reporting Protocol.

iii. Data Acquisition System, VIM Technologies, Installed On An IBM Compatible Computer Located In The Control Room.

THE EQUIPMENT FOR WHICH THIS PERMIT TO OPERATE IS ISSUED MAY BE OPERATED ONLY WHEN IN COMPLIANCE WITH THE FOLLOWING CONDITIONS:

Conditions:

1. The heat input rate to this gas turbine shall not exceed 1,870 MMBtu/hr. [Basis: District Rule 207]

2. The maximum daily combined emissions from the gas turbines, including start-ups and shutdowns and combustor tuning periods, shall not exceed the following limits: [Basis: District Rule 207]

Pollutant	Lbs/Day
Oxides of Nitrogen (NO_x)	2,589.4
Carbon Monoxide (CO)	17,301.8
Particulate Matter <10 microns (PM_{10})	864.0
Volatile Organic Compounds (VOC)	620.0
Ammonia (NH_3)	1,224.0
Sulfur Dioxide (SO_2)	124.8

3. The pollutant mass emission rates in the exhaust discharged to the atmosphere from this gas turbine shall not exceed the following limits: [Basis: District Rule 207]

Pollutant	Lbs/Hour	Lbs/Day
Oxides of Nitrogen (NO_x)	17.23	413.5
Carbon Monoxide (CO)	37.76	906.2
Particulate Matter <10 microns (PM_{10})	9.00	216.0
Volatile Organic Compounds (VOC)	4.79	115.0
Ammonia (NH_3)	12.75	306.0
Sulfur Dioxide (SO_2)	1.30	31.2

These limits shall not apply during start-up, which is not to exceed four (4) hours, during shutdown, which is not to exceed two (2) hours, or during steam turbine cold start-up or combustor tuning, which are not to exceed six (6) hours. SCR catalytic controls and good engineering practices shall be used to the fullest extent practical during start-up, shutdown, and combustor tuning to minimize pollutant emissions.

Steam turbine cold start-up periods are start-up periods that last more than four (4) hours or exceed the start-up emission limits in Condition 5, and follow a shutdown of the steam turbine for at least 72 hours.

Combustor tuning activities include all testing, adjustment, tuning, and calibration activities associated with combustor replacement and maintenance recommended by the gas turbine manufacturer to ensure safe and reliable steady state operation of the gas turbines. This includes, but is not limited to, adjusting

the amount of fuel distributed between the combustion turbine's staged fuel systems to simultaneously minimize NO_x, CO, and VOC production while ensuring combustor stability.

4. The pollutant concentrations discharged to the atmosphere from this gas turbine shall not exceed the following limits, calculated at 15 percent O_2 on a one-hour rolling average unless otherwise noted: [Basis: District Rule 207]

Pollutant	Concentration (ppm)
Oxides of Nitrogen (as NO_2)	2.5 (clock hour average)
Carbon Monoxide (CO)	9.0 rolling three-hour average)
Ammonia (NH_3)	5.0 (three 60-minute averages)

These limits shall not apply: during start-up, which is not to exceed four (4) hours; during shutdown, which is not to exceed two (2) hours; or during steam turbine cold start-up or combustor tuning, which are not to exceed six (6) hours. SCR catalytic controls and good engineering practices shall be used to the fullest extent practical during start-up, shutdown, and combustor tuning to minimize pollutant emissions.

5. The pollutant emission rates discharged to the atmosphere from this gas turbine during start-up, shutdown, or combustor tuning activities shall not exceed the following limits. These limits apply to any start-up period which shall not exceed four (4) hours, to any shutdown, which shall not exceed two (2) hours, and to any steam turbine cold start-up or combustor tuning, which shall not exceed six (6) hours. [Basis: District Rule 207]

Pollutant	Lbs/Start-up	Lbs/Cold Start-up or Combustor Tuning	Lbs/Shutdown
NO_x (as NO_2)	320.0	480.0	160.0
CO	3,608.0	5,412.0	1,804.0
VOCs (as CH_4)	64.0	214.0	32.0

6. Exceedance of the hourly NO_x emission limits specified in Conditions 3 and 4 is allowed during short-term excursions which total less than 10 hours per rolling 12-month period. [Basis: District Rule 207]

   Short-term excursions are defined as 15-minute periods designated by Moss Landing Power Company, LLC that are a direct result of a combustor mode switchover, not to exceed four consecutive 15-minute periods, when the 15-minute average NO_x concentration exceeds 2.5 ppm corrected to 15% O_2.

   The maximum 1-hour NO_x concentration for periods that include short-term excursions shall not exceed 30 ppmvd corrected to 15% O_2. All emissions during short-term excursions shall be included in all calculations of daily, quarterly, and annual mass emissions required by this permit.

7. The CEM system shall be operated on this gas turbine. This system shall be designed to continuously record the measured gaseous concentrations, and calculate and continuously monitor and record the CO, CO_2 or O_2, and NO_x concentrations corrected to fifteen (15) percent oxygen (O_2) on a dry basis. [Basis: District Rule 207]

   The equipment for the continuous monitoring of CO shall be maintained and operated in accordance with 40 CFR Part 60 Appendix F, and the equipment for the continuous monitoring of CO_2 or O_2 and NO_x shall be maintained and operated in accordance with 40 CFR Parts 72 and 75.

8. Cumulative emissions, including emissions generated during start-ups, shutdowns, and combustor tuning activities, from all power generation equipment at the Moss Landing Power Plant shall not exceed the following quarterly limits: [Basis: District Rules 207]

Pollutant	Pounds Of Emissions Per Calendar Quarter			
	First	Second	Third	Fourth
NO_x (as NO_2)	169,840	169,840	169,840	169,840
SO_x	10,920	10,920	10,920	10,920
VOC	44,720	44,720	44,720	44,720
PM_{10}	75,600	75,600	75,600	75,600
CO	662,960	662,960	662,960	662,960

9. This equipment shall be abated by a properly operated and maintained Selective Catalytic Reduction System. [Basis: District Rules 207]

10. No more than one of the gas turbines shall be operated in support of a steam turbine cold start-up or undergo combustor tuning at any one time. [Basis: District Rules 207]

11. The total number of hours during which each gas turbine may be operated to support a steam turbine cold start-up or may undergo combustor tuning shall not exceed 30 hours per year. [Basis: District Rules 207]

12. To demonstrate compliance with Condition 11, Moss Landing Power Company, LLC shall record the start time, end time, and duration of each steam turbine cold start-up and each combustor tuning period. On an annual basis, Moss Landing Power Company, LLC shall report the total number of hours during which each gas turbine operated to support a steam turbine cold start-up or in combustor tuning mode during the year. [Basis: District Rules 207]

13. Moss Landing Power Company, LLC shall demonstrate compliance by using properly operated and maintained continuous emission monitors (during all hours of operation including equipment start-up and shutdown periods and combustor tuning activities, except for periods of CEM maintenance performed in accordance with District requirements) for all of the following parameters: [Basis: District Rules 207]

    a) Firing hours and Fuel Flow Rates.

    b) Oxygen (O_2) Concentrations, Nitrogen Oxide (NO_x) Concentrations, and Carbon Monoxide (CO) Concentrations.

    c) Ammonia Injection Rates.

    Moss Landing Power Company, LLC shall record all of the above parameters every 15 minutes (excluding normal calibration periods) and shall summarize all of the above parameters for each clock hour. For each calendar day, Moss Landing Power Company, LLC shall calculate and record the total Firing Hours, the average hourly Fuel Flow Rates, and pollutant emission concentrations.

    Moss Landing Power Company, LLC shall use the parameters measured above and District-approved calculation methods to calculate the following parameters:

    d) Heat Input Rate.

e) Corrected NO_x concentrations, NO_x mass emissions (as NO_2), corrected CO concentrations, and CO mass emissions.

For each source, Moss Landing Power Company, LLC shall record the parameters specified in Sections (d) and (e) of this condition every 15 minutes (excluding normal calibration periods). As specified below, Moss Landing Power Company, LLC shall calculate and record the following data:

f) Total Heat Input Rate for every clock hour;

g) The NO_x mass emissions (as NO_2), and corrected average NO_x emission concentration for every clock hour;

h) The CO mass emissions, and corrected average CO emission concentration for every rolling three-hour period;

i) On an hourly basis, the cumulative total NO_x mass emission (as NO_2) and the cumulative total CO mass emissions;

j) For each calendar day, the cumulative total NO_x mass emission (as NO_2) and the cumulative total CO mass emissions;

k) For each calendar quarter, the cumulative total NO_x mass emission (as NO_2) and the cumulative total CO mass emissions; and,

l) For each calendar year, the cumulative total NO_x mass emission (as NO_2) and the cumulative total CO mass emissions.

14. Moss Landing Power Company, LLC shall calculate and record on a daily basis, the volatile organic compound (VOC) mass emissions, fine particulate matter (PM_{10}) mass emissions, sulfur dioxide (SO_2) mass emissions, and ammonia (NH_3) mass emissions from each source. Moss Landing Power Company, LLC shall use the actual heat input rates, actual start-up times, actual shutdown times, actual combustor tuning times and District-approved emission factors to calculate these emissions. The calculated emissions shall be presented as follows: [Basis: District Rules 207]

    a) For each calendar day, VOC, PM_{10}, SO_2, and NH_3 mass emissions shall be summarized for each source.

    b) On a daily basis, the cumulative total VOC, PM_{10}, SO_2 and NH_3 mass emissions shall be summarized for each calendar quarter and for the calendar year.

15. Instrumentation must be operated to measure the SCR catalyst inlet temperature and pressure differential across the SCR catalyst. [Basis: District Rule 207]

16. Moss Landing Power Company, LLC shall submit monthly reports on the continuous emissions monitoring systems to the District in accordance to the Monitoring and Reporting Protocol for Monthly Reporting (Reporting Protocol) approved by the District. The written Monthly Report shall be submitted to the District within 30 days from the end of the month and shall include: [Basis: District Rules 207, 213, & 218]

    a) time intervals, date, and magnitude of excess emissions; nature and cause of the excess (if known), corrective actions and preventive measures adopted;

b) the averaging period used for data reporting, corresponding to averaging period specified in the emission test period used to determine compliance with an emission standard for the pollutant and source category in question;

c) time and date of each period during which the continuous monitoring system was inoperative, except for zero and span checks, and the nature of system repairs and adjustments;

d) a negative declaration when no excess emissions occurred; and,

e) a summary of actual monthly emissions, summarized and totaled on a quarterly basis, from the CEM for all subject equipment which operated during the month and/or quarter.

17. Moss Landing Power Company, LLC shall monitor and report SO_2 emissions in accordance with 40 CFR Parts 72 and 75. [Basis: District Rules 219]

18. Moss Landing Power Company, LLC shall hold Sulfur Dioxide Allowances in the compliance subaccounts not less than the total annual emissions of sulfur dioxide for the previous calendar year. [Basis: District Rules 219]

19. A written Quality Assurance program must be established in accordance with 40 CFR Part 75, Appendix B and 40 CFR Part 60, Appendix F which includes, but is not limited to procedures for daily calibration testing, quarterly linearity and leak testing, record keeping and reporting implementation, and relative accuracy testing. [Basis: District Rules 219]

20. Pursuant to Title IV, Part 75, Section 75.50, and District Rule 431, Section 4.3, permanent records shall be maintained for a period of five years after creation. The records at a minimum shall include all items specified in Section 75.50 and in District Rule 431. [Basis: District Rule 431]

21. Moss Landing Power Company, LLC shall submit quarterly Electronic Data Reports (EDR) to EPA. These reports must be submitted within 30 days following the end of the calendar quarter. The reports must be in electronic format and at a minimum must include all items listed in 40 CFR Section 75.64. [Basis: 40 CFR Part 75]

22. Moss Landing Power Company, LLC shall cause testing to be performed to verify compliance with the ammonia (NH_3) slip limit every EPA operating quarter, as defined in 40 CFR Part 72, or in the next EPA operating quarter if this unit cannot be tested in an EPA operating quarter due to the unit being non-operational at the time of scheduled testing. Moss Landing Power Company, LLC shall conduct this testing in accordance with the collection method specified in BAAQMD Source Test Procedure ST-1B and the analysis specified in EPA method 350.3. [Basis: District Rule 207 & 218]

23. Annual performance tests shall be conducted in accordance with the District test procedures, and the written results of the performance tests shall be provided to the District within thirty (30) days after testing. A testing protocol shall be submitted to the District no later than thirty (30) days prior to the testing, and notification to the District at least ten (10) days prior to the actual date of testing shall be provided so that a District observer may be present. Changes to the test date made subsequent to the initial ten-day notification may be communicated by telephone or other acceptable means no less than forty-eight (48) hours prior to the new test date. [Basis: District Rule 207 & 218]

    The performance tests shall include those parameters specified in the approved test protocol, and shall at a minimum include the following:

    a) Oxides of Nitrogen (as NO_2): ppmv dry at 15% O_2 and lbm/hr;

b) Carbon Monoxide: ppmv dry at 15% O_2 and lbm/hr;

c) Volatile Organic Compounds (as CH_4): ppmv dry at 15% O_2 and lbm/hr;

d) Ammonia (NH_3): ppmv dry at 15% O_2 and lbm/hr;

and the following process parameters:

e) Natural gas consumption;

f) Electricity generated during the test; and,

g) Stack gas flow rate (SDCFM) calculated according to procedures in EPA method 19.

24. Moss Landing Power Company, LLC shall report all breakdowns which result in the inability to comply with any emission standard or requirement contained on this permit to the Air Pollution Control Officer (APCO) within 1 hour or within one hour of the time the owner or operator knew, or reasonably should have known of the occurrence. The APCO may elect to take no enforcement action if Moss Landing Power Company, LLC demonstrates to the APCO's satisfaction that a breakdown condition exists. [Basis: District Rule 214]

    The estimated time for repair of the breakdown shall be supplied to the APCO within 24 hours of the occurrence and a written report shall be supplied to the APCO within 5 working days after the occurrence has been corrected. This report shall include at a minimum:

    a) a statement that the condition or failure has been corrected and the date of correction;

    b) a description of the reasons for the occurrence;

    c) a description of the corrective measures undertaken and/or to be undertaken to avoid such an occurrence in the future; and,

    d) an estimate of the emissions caused by the condition or failure.

25. Moss Landing Power Company, LLC shall maintain adequate stack sampling ports and platforms to enable the performance of source testing. [Basis: District Rule 207 & 218]

26. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three (3) minutes in any one (1) hour which is as dark or darker than Ringelmann 1, or equivalent 20% opacity. [Basis: District Rule 400]

27. Notwithstanding the requirements of Condition 26, no air contaminant shall be discharged into the atmosphere for a two (2) hour period from the gas turbine exhaust during start-up for a period or periods aggregating more than three (3) minutes in any one (1) hour which is as dark or darker than Ringelmann 2, or equivalent 40% opacity. Good engineering practices shall be used to the fullest extent practical during start-up to minimize pollutant emissions. [Basis: District Rule 400]

28. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as or darker than Ringelmann 1, or equivalent 20 percent opacity. [Basis: District Rule 400]

29. No emissions shall constitute a public nuisance. [Basis: District Rule 402]

30. Moss Landing Power Company, LLC shall fund the operation of the "Stationary Source" percentage of the District's Salinas air monitoring station. [Basis: District Rule 207]

Note: This permit replaces Permit to Operate GNR-0017598A issued to Dynegy Moss Landing, LLC on June 8, 2018. The annual renewal date of this permit is 7/4.

MONTEREY BAY AIR RESOURCES DISTRICT

PERMIT TO OPERATE

GNR-0018645

24580 SILVER CLOUD CT., MONTEREY, CA 93940 TELEPHONE (831) 647-9411 • FAX (831) 647-8501

OPERATION UNDER THIS PERMIT MUST BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS INCLUDED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED. THE EQUIPMENT MUST BE PROPERLY MAINTAINED AND KEPT IN GOOD CONDITION AT ALL TIMES. THIS PERMIT TO OPERATE MUST BE POSTED OR ACCESSIBLE.

LEGAL OWNER OR OPERATOR:	MOSS LANDING POWER COMPANY, LLC
EQUIPMENT LOCATED AT:	Moss Landing Power Plant Highway One & Dolan Road Moss Landing, California
EQUIPMENT DESCRIPTION AND CONDITIONS:	THIS PERMIT TO OPERATE IS ISSSUED AND IS VALID FOR THIS EQUIPMENT ONLY WHILE IT IS IN THE CONFIGURATION SET FORTH IN THE FOLLOWING DESCRIPTION:

COMBINED CYCLE GAS TURBINE GENERATOR UNIT 2A:

1. Gas Turbine Generator, General Electric Frame 7, Model PG7241, Serial #297603, Rated At 1,870 MMBtu/Hr Maximum Heat Input And 180 MW Nominal Electrical Output, Dry Low-NO_x Combustor.

2. Water Tube Type Heat Recovery Steam Generator (HRSG), Nominal Ratings: High Pressure Steam Capacity: 409,900 Lbs/Hr @ 1,903 psia And 1,047°F, Intermediate Pressure Steam Capacity: 484,500 Lbs/Hr @ 358 psia And 1,022°F, Low Pressure Steam Capacity: 55,300 Lbs/Hr @ 71 psia And 499°F.

3. Steam Turbine Generator And Condenser Serving Gas Turbine Units 1A And 2A, Quadruple Admission, Triple Extraction, 196.8 MW Nominal Rated Electrical Output.

4. Selective Catalytic Reduction NO_x Control System Consisting Of 2,244 Ft^3 Cormetech Type CM-21 Vanadium, Titanium, And Tungsten Oxide Honeycomb Catalyst Located Within The HRSG.

5. Ammonia Injection System.

6. CEM System Consisting Of:

    a. Sample Acquisition Probe As Described In The Monitoring And Reporting Protocol.

    b. Instrumentation Shelter, 8' x 10', Located Approximately 20 Feet From The Stack. Shelter Houses Sample Transport And Conditioning Systems, And Analyzers.

    c. Analyzers:

        i. Chemiluminescence Analyzer Measuring NO_2.

THIS PERMIT BECOMES VOID UPON ANY CHANGE OF OWNERSHIP OR ADDRESS, OR ANY ALTERATION.

THIS PERMIT DOES NOT AUTHORIZE THE EMISSIONS OF AIR CONTAMINANTS IN EXCESS OF THOSE ALLOWED BY ARTICLE 1, CHAPTER 3, PART 4, DIVISION 26 OF THE HEALTH & SAFETY CODE OF THE STATE OF CALIFORNIA OR THE RULES AND REGULATIONS OF THE AIR POLLUTION CONTROL DISTRICT. THIS PERMIT CANNOT BE CONSIDERED AS PERMISSION TO VIOLATE EXISTING LAWS, ORDINANCES, REGULATION OR STATUTES OF OTHER GOVERNMENTAL AGENCIES.

Mary Giraudo, For
AIR POLLUTION CONTROL OFFICER

DATE 4/21/2021

ii. Analyzer Measuring CO Via Non-Dispersive Infrared Measurement And O_2 Via Paramagnetic Measurement As Described In Monitoring And Reporting Protocol.

iii. Data Acquisition System, VIM Technologies, Installed On An IBM Compatible Computer Located In The Control Room.

THE EQUIPMENT FOR WHICH THIS PERMIT TO OPERATE IS ISSUED MAY BE OPERATED ONLY WHEN IN COMPLIANCE WITH THE FOLLOWING CONDITIONS:

Conditions:

1. The heat input rate to this gas turbine shall not exceed 1,870 MMBtu/hr. [Basis: District Rule 207]

2. The maximum daily combined emissions from the gas turbines, including start-ups and shutdowns and combustor tuning periods, shall not exceed the following limits: [Basis: District Rule 207]

Pollutant	Lbs/Day
Oxides of Nitrogen (NO_x)	2,589.4
Carbon Monoxide (CO)	17,301.8
Particulate Matter <10 microns (PM_{10})	864.0
Volatile Organic Compounds (VOC)	620.0
Ammonia (NH_3)	1,224.0
Sulfur Dioxide (SO_2)	124.8

3. The pollutant mass emission rates in the exhaust discharged to the atmosphere from this gas turbine shall not exceed the following limits: [Basis: District Rule 207]

Pollutant	Lbs/Hour	Lbs/Day
Oxides of Nitrogen (NO_x)	17.23	413.5
Carbon Monoxide (CO)	37.76	906.2
Particulate Matter <10 microns (PM_{10})	9.00	216.0
Volatile Organic Compounds (VOC)	4.79	115.0
Ammonia (NH_3)	12.75	306.0
Sulfur Dioxide (SO_2)	1.30	31.2

These limits shall not apply during start-up, which is not to exceed four (4) hours, during shutdown, which is not to exceed two (2) hours, or during steam turbine cold start-up or combustor tuning, which are not to exceed six (6) hours. SCR catalytic controls and good engineering practices shall be used to the fullest extent practical during start-up, shutdown, and combustor tuning to minimize pollutant emissions.

Steam turbine cold start-up periods are start-up periods that last more than four (4) hours or exceed the start-up emission limits in Condition 5, and follow a shutdown of the steam turbine for at least 72 hours.

Combustor tuning activities include all testing, adjustment, tuning, and calibration activities associated with combustor replacement and maintenance recommended by the gas turbine manufacturer to ensure safe and reliable steady state operation of the gas turbines. This includes, but is not limited to, adjusting

the amount of fuel distributed between the combustion turbine's staged fuel systems to simultaneously minimize NO_x, CO, and VOC production while ensuring combustor stability.

4. The pollutant concentrations discharged to the atmosphere from this gas turbine shall not exceed the following limits, calculated at 15 percent O_2 on a one-hour rolling average unless otherwise noted: [Basis: District Rule 207]

Pollutant	Concentration (ppm)
Oxides of Nitrogen (as NO_2)	2.5 (clock hour average)
Carbon Monoxide (CO)	9.0 rolling three-hour average)
Ammonia (NH_3)	5.0 (three 60-minute averages)

These limits shall not apply: during start-up, which is not to exceed four (4) hours; during shutdown, which is not to exceed two (2) hours; or during steam turbine cold start-up or combustor tuning, which are not to exceed six (6) hours. SCR catalytic controls and good engineering practices shall be used to the fullest extent practical during start-up, shutdown, and combustor tuning to minimize pollutant emissions.

5. The pollutant emission rates discharged to the atmosphere from this gas turbine during start-up, shutdown, or combustor tuning activities shall not exceed the following limits. These limits apply to any start-up period which shall not exceed four (4) hours, to any shutdown, which shall not exceed two (2) hours, and to any steam turbine cold start-up or combustor tuning, which shall not exceed six (6) hours. [Basis: District Rule 207]

Pollutant	Lbs/Start-up	Lbs/Cold Start-up or Combustor Tuning	Lbs/Shutdown
NO_x (as NO_2)	320.0	480.0	160.0
CO	3,608.0	5,412.0	1,804.0
VOCs (as CH_4)	64.0	214.0	32.0

6. Exceedance of the hourly NO_x emission limits specified in Conditions 3 and 4 is allowed during short-term excursions which total less than 10 hours per rolling 12-month period. [Basis: District Rule 207]

   Short-term excursions are defined as 15-minute periods designated by Moss Landing Power Company, LLC that are a direct result of a combustor mode switchover, not to exceed four consecutive 15-minute periods, when the 15-minute average NO_x concentration exceeds 2.5 ppm corrected to 15% O_2.

   The maximum 1-hour NO_x concentration for periods that include short-term excursions shall not exceed 30 ppmvd corrected to 15% O_2. All emissions during short-term excursions shall be included in all calculations of daily, quarterly, and annual mass emissions required by this permit.

7. The CEM system shall be operated on this gas turbine. This system shall be designed to continuously record the measured gaseous concentrations, and calculate and continuously monitor and record the CO, CO_2 or O_2, and NO_x concentrations corrected to fifteen (15) percent oxygen (O_2) on a dry basis. [Basis: District Rule 207]

   The equipment for the continuous monitoring of CO shall be maintained and operated in accordance with 40 CFR Part 60 Appendix F, and the equipment for the continuous monitoring of CO_2 or O_2 and NO_x shall be maintained and operated in accordance with 40 CFR Parts 72 and 75.

8. Cumulative emissions, including emissions generated during start-ups, shutdowns, and combustor tuning activities, from all power generation equipment at the Moss Landing Power Plant shall not exceed the following quarterly limits: [Basis: District Rule 207]

Pollutant	Pounds Of Emissions Per Calendar Quarter			
	First	Second	Third	Fourth
NO_x (as NO_2)	169,840	169,840	169,840	169,840
SO_x	10,920	10,920	10,920	10,920
VOC	44,720	44,720	44,720	44,720
PM_{10}	75,600	75,600	75,600	75,600
CO	662,960	662,960	662,960	662,960

9. This equipment shall be abated by a properly operated and maintained Selective Catalytic Reduction System. [Basis: District Rule 207]

10. No more than one of the gas turbines shall be operated in support of a steam turbine cold start-up or undergo combustor tuning at any one time. [Basis: District Rule 207]

11. The total number of hours during which each gas turbine may be operated to support a steam turbine cold start-up or may undergo combustor tuning shall not exceed 30 hours per year. [Basis: District Rule 207]

12. To demonstrate compliance with Condition 11, Moss Landing Power Company, LLC shall record the start time, end time, and duration of each steam turbine cold start-up and each combustor tuning period. On an annual basis, Moss Landing Power Company, LLC shall report the total number of hours during which each gas turbine operated to support a steam turbine cold start-up or in combustor tuning mode during the year. [Basis: District Rule 207]

13. Moss Landing Power Company, LLC shall demonstrate compliance by using properly operated and maintained continuous emission monitors (during all hours of operation including equipment start-up and shutdown periods and combustor tuning activities, except for periods of CEM maintenance performed in accordance with District requirements) for all of the following parameters: [Basis: District Rule 207]

    a) Firing hours and Fuel Flow Rates.

    b) Oxygen (O_2) Concentrations, Nitrogen Oxide (NO_x) Concentrations, and Carbon Monoxide (CO) Concentrations.

    c) Ammonia Injection Rates.

    Moss Landing Power Company, LLC shall record all of the above parameters every 15 minutes (excluding normal calibration periods) and shall summarize all of the above parameters for each clock hour. For each calendar day, Moss Landing Power Company, LLC shall calculate and record the total Firing Hours, the average hourly Fuel Flow Rates, and pollutant emission concentrations.

    Moss Landing Power Company, LLC shall use the parameters measured above and District-approved calculation methods to calculate the following parameters:

    d) Heat Input Rate.

e) Corrected NO_x concentrations, NO_x mass emissions (as NO_2), corrected CO concentrations, and CO mass emissions.

For each source, Moss Landing Power Company, LLC shall record the parameters specified in Sections (d) and (e) of this condition every 15 minutes (excluding normal calibration periods). As specified below, Moss Landing Power Company, LLC shall calculate and record the following data:

f) Total Heat Input Rate for every clock hour;

g) The NO_x mass emissions (as NO_2), and corrected average NO_x emission concentration for every clock hour;

h) The CO mass emissions, and corrected average CO emission concentration for every rolling three-hour period;

i) On an hourly basis, the cumulative total NO_x mass emission (as NO_2) and the cumulative total CO mass emissions;

j) For each calendar day, the cumulative total NO_x mass emission (as NO_2) and the cumulative total CO mass emissions;

k) For each calendar quarter, the cumulative total NO_x mass emission (as NO_2) and the cumulative total CO mass emissions; and,

l) For each calendar year, the cumulative total NO_x mass emission (as NO_2) and the cumulative total CO mass emissions.

14. Moss Landing Power Company, LLC shall calculate and record on a daily basis, the volatile organic compound (VOC) mass emissions, fine particulate matter (PM_{10}) mass emissions, sulfur dioxide (SO_2) mass emissions, and ammonia (NH_3) mass emissions from each source. Moss Landing Power Company, LLC shall use the actual heat input rates, actual start-up times, actual shutdown times, actual combustor tuning times and District-approved emission factors to calculate these emissions. The calculated emissions shall be presented as follows: [Basis: District Rule 207]

    a) For each calendar day, VOC, PM_{10}, SO_2, and NH_3 mass emissions shall be summarized for each source.

    b) On a daily basis, the cumulative total VOC, PM_{10}, SO_2 and NH_3 mass emissions shall be summarized for each calendar quarter and for the calendar year.

15. Instrumentation must be operated to measure the SCR catalyst inlet temperature and pressure differential across the SCR catalyst. [Basis: District Rule 207]

16. Moss Landing Power Company, LLC shall submit monthly reports on the continuous emissions monitoring systems to the District in accordance to the Monitoring and Reporting Protocol for Monthly Reporting (Reporting Protocol) approved by the District. The written Monthly Report shall be submitted to the District within 30 days from the end of the month and shall include: [Basis: District Rules 207, 213, & 218]

    a) time intervals, date, and magnitude of excess emissions; nature and cause of the excess (if known), corrective actions and preventive measures adopted;

b) the averaging period used for data reporting, corresponding to averaging period specified in the emission test period used to determine compliance with an emission standard for the pollutant and source category in question;

c) time and date of each period during which the continuous monitoring system was inoperative, except for zero and span checks, and the nature of system repairs and adjustments;

d) a negative declaration when no excess emissions occurred; and,

e) a summary of actual monthly emissions, summarized and totaled on a quarterly basis, from the CEM for all subject equipment which operated during the month and/or quarter.

17. Moss Landing Power Company, LLC shall monitor and report SO_2 emissions in accordance with 40 CFR Parts 72 and 75. [Basis: District Rules 219]

18. Moss Landing Power Company, LLC shall hold Sulfur Dioxide Allowances in the compliance subaccounts not less than the total annual emissions of sulfur dioxide for the previous calendar year. [Basis: District Rules 219]

19. A written Quality Assurance program must be established in accordance with 40 CFR Part 75, Appendix B and 40 CFR Part 60, Appendix F which includes, but is not limited to procedures for daily calibration testing, quarterly linearity and leak testing, record keeping and reporting implementation, and relative accuracy testing. [Basis: District Rules 219]

20. Pursuant to Title IV, Part 75, Section 75.50, and District Rule 431, Section 4.3, permanent records shall be maintained for a period of five years after creation. The records at a minimum shall include all items specified in Section 75.50 and in District Rule 431. [Basis: District Rules 431]

21. Moss Landing Power Company, LLC shall submit quarterly Electronic Data Reports (EDR) to EPA. These reports must be submitted within 30 days following the end of the calendar quarter. The reports must be in electronic format and at a minimum must include all items listed in 40 CFR Section 75.64. [Basis: 40 CFR Part 75]

22. Moss Landing Power Company, LLC shall cause testing to be performed to verify compliance with the ammonia (NH_3) slip limit every EPA operating quarter, as defined in 40 CFR Part 72, or in the next EPA operating quarter if this unit cannot be tested in an EPA operating quarter due to the unit being non-operational at the time of scheduled testing. Moss Landing Power Company, LLC shall conduct this testing in accordance with the collection method specified in BAAQMD Source Test Procedure ST-1B and the analysis specified in EPA method 350.3. [Basis: District Rule 207 & 218]

23. Annual performance tests shall be conducted in accordance with the District test procedures, and the written results of the performance tests shall be provided to the District within thirty (30) days after testing. A testing protocol shall be submitted to the District no later than thirty (30) days prior to the testing, and notification to the District at least ten (10) days prior to the actual date of testing shall be provided so that a District observer may be present. Changes to the test date made subsequent to the initial ten-day notification may be communicated by telephone or other acceptable means no less than forty-eight (48) hours prior to the new test date. [Basis: District Rule 207 & 218]

    The performance tests shall include those parameters specified in the approved test protocol, and shall at a minimum include the following:

    a) Oxides of Nitrogen (as NO_2): ppmv dry at 15% O_2 and lbm/hr;

b) Carbon Monoxide: ppmv dry at 15% O_2 and lbm/hr;

c) Volatile Organic Compounds (as CH_4): ppmv dry at 15% O_2 and lbm/hr;

d) Ammonia (NH_3): ppmv dry at 15% O_2 and lbm/hr;

and the following process parameters:

e) Natural gas consumption;

f) Electricity generated during the test; and,

g) Stack gas flow rate (SDCFM) calculated according to procedures in EPA method 19.

24. Moss Landing Power Company, LLC shall report all breakdowns which result in the inability to comply with any emission standard or requirement contained on this permit to the Air Pollution Control Officer (APCO) within 1 hour or within one hour of the time the owner or operator knew, or reasonably should have known of the occurrence. The APCO may elect to take no enforcement action if Moss Landing Power Company, LLC demonstrates to the APCO's satisfaction that a breakdown condition exists. [Basis: District Rule 214]

    The estimated time for repair of the breakdown shall be supplied to the APCO within 24 hours of the occurrence and a written report shall be supplied to the APCO within 5 working days after the occurrence has been corrected. This report shall include at a minimum:

    a) a statement that the condition or failure has been corrected and the date of correction;

    b) a description of the reasons for the occurrence;

    c) a description of the corrective measures undertaken and/or to be undertaken to avoid such an occurrence in the future; and,

    d) an estimate of the emissions caused by the condition or failure.

25. Moss Landing Power Company, LLC shall maintain adequate stack sampling ports and platforms to enable the performance of source testing. [Basis: District Rule 207 & 218]

26. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three (3) minutes in any one (1) hour which is as dark or darker than Ringelmann 1, or equivalent 20% opacity. [Basis: District Rule 400]

27. Notwithstanding the requirements of Condition 26, no air contaminant shall be discharged into the atmosphere for a two (2) hour period from the gas turbine exhaust during start-up for a period or periods aggregating more than three (3) minutes in any one (1) hour which is as dark or darker than Ringelmann 2, or equivalent 40% opacity. Good engineering practices shall be used to the fullest extent practical during start-up to minimize pollutant emissions. [Basis: District Rule 400]

28. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as or darker than Ringelmann 1, or equivalent 20 percent opacity. [Basis: District Rule 400]

29. No emissions shall constitute a public nuisance. [Basis: District Rule 402]

30. Moss Landing Power Company, LLC shall fund the operation of the "Stationary Source" percentage of the District's Salinas air monitoring station. [Basis: District Rule 207]

Note: This permit replaces Permit to Operate GNR-0017599A issued to Dynegy Moss Landing, LLC on June 8, 2018. The annual renewal date of this permit is 7/4.

Note

MONTEREY BAY AIR RESOURCES DISTRICT

PERMIT TO OPERATE

GNR-0018646

24580 SILVER CLOUD CT., MONTEREY, CA 93940 TELEPHONE (831) 647-9411 • FAX (831) 647-8501

OPERATION UNDER THIS PERMIT MUST BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS INCLUDED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED. THE EQUIPMENT MUST BE PROPERLY MAINTAINED AND KEPT IN GOOD CONDITION AT ALL TIMES. THIS PERMIT TO OPERATE MUST BE POSTED OR ACCESSIBLE.

LEGAL OWNER OR OPERATOR:	MOSS LANDING POWER COMPANY, LLC
EQUIPMENT LOCATED AT:	Moss Landing Power Plant Highway One & Dolan Road Moss Landing, California
EQUIPMENT DESCRIPTION AND CONDITIONS:	THIS PERMIT TO OPERATE IS ISSSUED AND IS VALID FOR THIS EQUIPMENT ONLY WHILE IT IS IN THE CONFIGURATION SET FORTH IN THE FOLLOWING DESCRIPTION:

COMBINED CYCLE GAS TURBINE GENERATOR UNIT 3A:

1. Gas Turbine Generator, General Electric Frame 7, Model PG7241, Serial #297604, Rated At 1,870 MMBtu/Hr Maximum Heat Input And 180 MW Nominal Electrical Output, Dry Low-NO_x Combustor.

2. Water Tube Type Heat Recovery Steam Generator (HRSG), Nominal Ratings: High Pressure Steam Capacity: 409,900 Lbs/Hr @ 1,903 psia And 1,047°F, Intermediate Pressure Steam Capacity: 484,500 Lbs/Hr @ 358 psia And 1,022°F, Low Pressure Steam Capacity: 55,300 Lbs/Hr @ 71 psia And 499°F.

3. Steam Turbine Generator And Condenser Serving Gas Turbine Units 3A And 4A, Quadruple Admission, Triple Extraction, 196.8 MW Nominal Rated Electrical Output.

4. Selective Catalytic Reduction NO_x Control System Consisting Of 2,244 Ft^3 Cormetech Type CM-21 Vanadium, Titanium, And Tungsten Oxide Honeycomb Catalyst Located Within The HRSG.

5. Ammonia Injection System.

6. CEM System Consisting Of:

    a. Sample Acquisition Probe As Described In The Monitoring And Reporting Protocol.

    b. Instrumentation Shelter, 8' x 10', Located Approximately 20 Feet From The Stack. Shelter Houses Sample Transport And Conditioning Systems, And Analyzers.

    c. Analyzers:

        i. Chemiluminescence Analyzer Measuring NO_2.

THIS PERMIT BECOMES VOID UPON ANY CHANGE OF OWNERSHIP OR ADDRESS, OR ANY ALTERATION.

THIS PERMIT DOES NOT AUTHORIZE THE EMISSIONS OF AIR CONTAMINANTS IN EXCESS OF THOSE ALLOWED BY ARTICLE 1, CHAPTER 3, PART 4, DIVISION 26 OF THE HEALTH & SAFETY CODE OF THE STATE OF CALIFORNIA OR THE RULES AND REGULATIONS OF THE AIR POLLUTION CONTROL DISTRICT. THIS PERMIT CANNOT BE CONSIDERED AS PERMISSION TO VIOLATE EXISTING LAWS, ORDINANCES, REGULATION OR STATUTES OF OTHER GOVERNMENTAL AGENCIES.

Mary Giraudo, For
AIR POLLUTION CONTROL OFFICER

DATE 4/21/2021

ii. Analyzer Measuring CO Via Non-Dispersive Infrared Measurement And O_2 Via Paramagnetic Measurement As Described In Monitoring And Reporting Protocol.

iii. Data Acquisition System, VIM Technologies, Installed On An IBM Compatible Computer Located In The Control Room.

THE EQUIPMENT FOR WHICH THIS PERMIT TO OPERATE IS ISSUED MAY BE OPERATED ONLY WHEN IN COMPLIANCE WITH THE FOLLOWING CONDITIONS:

Conditions:

1. The heat input rate to this gas turbine shall not exceed 1,870 MMBtu/hr. [Basis: District Rule 207]

2. The maximum daily combined emissions from the gas turbines, including start-ups and shutdowns and combustor tuning periods, shall not exceed the following limits: [Basis: District Rule 207]

Pollutant	Lbs/Day
Oxides of Nitrogen (NO_x)	2,589.4
Carbon Monoxide (CO)	17,301.8
Particulate Matter <10 microns (PM_{10})	864.0
Volatile Organic Compounds (VOC)	620.0
Ammonia (NH_3)	1,224.0
Sulfur Dioxide (SO_2)	124.8

3. The pollutant mass emission rates in the exhaust discharged to the atmosphere from this gas turbine shall not exceed the following limits: [Basis: District Rule 207]

Pollutant	Lbs/Hour	Lbs/Day
Oxides of Nitrogen (NO_x)	17.23	413.5
Carbon Monoxide (CO)	37.76	906.2
Particulate Matter <10 microns (PM_{10})	9.00	216.0
Volatile Organic Compounds (VOC)	4.79	115.0
Ammonia (NH_3)	12.75	306.0
Sulfur Dioxide (SO_2)	1.30	31.2

These limits shall not apply during start-up, which is not to exceed four (4) hours, during shutdown, which is not to exceed two (2) hours, or during steam turbine cold start-up or combustor tuning, which are not to exceed six (6) hours. SCR catalytic controls and good engineering practices shall be used to the fullest extent practical during start-up, shutdown, and combustor tuning to minimize pollutant emissions.

Steam turbine cold start-up periods are start-up periods that last more than four (4) hours or exceed the start-up emission limits in Condition 5, and follow a shutdown of the steam turbine for at least 72 hours.

Combustor tuning activities include all testing, adjustment, tuning, and calibration activities associated with combustor replacement and maintenance recommended by the gas turbine manufacturer to ensure safe and reliable steady state operation of the gas turbines. This includes, but is not limited to, adjusting

the amount of fuel distributed between the combustion turbine's staged fuel systems to simultaneously minimize NO_x, CO, and VOC production while ensuring combustor stability.

4. The pollutant concentrations discharged to the atmosphere from this gas turbine shall not exceed the following limits, calculated at 15 percent O_2 on a one-hour rolling average unless otherwise noted: [Basis: District Rule 207]

Pollutant	Concentration (ppm)
Oxides of Nitrogen (as NO_2)	2.5 (clock hour average)
Carbon Monoxide (CO)	9.0 rolling three-hour average)
Ammonia (NH_3)	5.0 (three 60-minute averages)

These limits shall not apply: during start-up, which is not to exceed four (4) hours; during shutdown, which is not to exceed two (2) hours; or during steam turbine cold start-up or combustor tuning, which are not to exceed six (6) hours. SCR catalytic controls and good engineering practices shall be used to the fullest extent practical during start-up, shutdown, and combustor tuning to minimize pollutant emissions.

5. The pollutant emission rates discharged to the atmosphere from this gas turbine during start-up, shutdown, or combustor tuning activities shall not exceed the following limits. These limits apply to any start-up period which shall not exceed four (4) hours, to any shutdown, which shall not exceed two (2) hours, and to any steam turbine cold start-up or combustor tuning, which shall not exceed six (6) hours. [Basis: District Rule 207]

Pollutant	Lbs/Start-up	Lbs/Cold Start-up or Combustor Tuning	Lbs/Shutdown
NO_x (as NO_2)	320.0	480.0	160.0
CO	3,608.0	5,412.0	1,804.0
VOCs (as CH_4)	64.0	214.0	32.0

6. Exceedance of the hourly NO_x emission limits specified in Conditions 3 and 4 is allowed during short-term excursions which total less than 10 hours per rolling 12-month period. [Basis: District Rule 207]

Short-term excursions are defined as 15-minute periods designated by Moss Landing Power Company, LLC that are a direct result of a combustor mode switchover, not to exceed four consecutive 15-minute periods, when the 15-minute average NO_x concentration exceeds 2.5 ppm corrected to 15% O_2.

The maximum 1-hour NO_x concentration for periods that include short-term excursions shall not exceed 30 ppmvd corrected to 15% O_2. All emissions during short-term excursions shall be included in all calculations of daily, quarterly, and annual mass emissions required by this permit.

7. The CEM system shall be operated on this gas turbine. This system shall be designed to continuously record the measured gaseous concentrations, and calculate and continuously monitor and record the CO, CO_2 or O_2, and NO_x concentrations corrected to fifteen (15) percent oxygen (O_2) on a dry basis. [Basis: District Rule 207]

The equipment for the continuous monitoring of CO shall be maintained and operated in accordance with 40 CFR Part 60 Appendix F, and the equipment for the continuous monitoring of CO_2 or O_2 and NO_x shall be maintained and operated in accordance with 40 CFR Parts 72 and 75.

8. Cumulative emissions, including emissions generated during start-ups, shutdowns, and combustor tuning activities, from all power generation equipment at the Moss Landing Power Plant shall not exceed the following quarterly limits: [Basis: District Rule 207]

Pollutant	Pounds Of Emissions Per Calendar Quarter			
	First	Second	Third	Fourth
NO_x (as NO_2)	169,840	169,840	169,840	169,840
SO_x	10,920	10,920	10,920	10,920
VOC	44,720	44,720	44,720	44,720
PM_{10}	75,600	75,600	75,600	75,600
CO	662,960	662,960	662,960	662,960

9. This equipment shall be abated by a properly operated and maintained Selective Catalytic Reduction System. [Basis: District Rule 207]

10. No more than one of the gas turbines shall be operated in support of a steam turbine cold start-up or undergo combustor tuning at any one time. [Basis: District Rule 207]

11. The total number of hours during which each gas turbine may be operated to support a steam turbine cold start-up or may undergo combustor tuning shall not exceed 30 hours per year. [Basis: District Rule 207]

12. To demonstrate compliance with Condition 11, Moss Landing Power Company, LLC shall record the start time, end time, and duration of each steam turbine cold start-up and each combustor tuning period. On an annual basis, Moss Landing Power Company, LLC shall report the total number of hours during which each gas turbine operated to support a steam turbine cold start-up or in combustor tuning mode during the year. [Basis: District Rule 207]

13. Moss Landing Power Company, LLC shall demonstrate compliance by using properly operated and maintained continuous emission monitors (during all hours of operation including equipment start-up and shutdown periods and combustor tuning activities, except for periods of CEM maintenance performed in accordance with District requirements) for all of the following parameters: [Basis: District Rule 207]

    a) Firing hours and Fuel Flow Rates.

    b) Oxygen (O_2) Concentrations, Nitrogen Oxide (NO_x) Concentrations, and Carbon Monoxide (CO) Concentrations.

    c) Ammonia Injection Rates.

    Moss Landing Power Company, LLC shall record all of the above parameters every 15 minutes (excluding normal calibration periods) and shall summarize all of the above parameters for each clock hour. For each calendar day, Moss Landing Power Company, LLC shall calculate and record the total Firing Hours, the average hourly Fuel Flow Rates, and pollutant emission concentrations.

    Moss Landing Power Company, LLC shall use the parameters measured above and District-approved calculation methods to calculate the following parameters:

    d) Heat Input Rate.

e) Corrected NO_x concentrations, NO_x mass emissions (as NO_2), corrected CO concentrations, and CO mass emissions.

For each source, Moss Landing Power Company, LLC shall record the parameters specified in Sections (d) and (e) of this condition every 15 minutes (excluding normal calibration periods). As specified below, Moss Landing Power Company, LLC shall calculate and record the following data:

f) Total Heat Input Rate for every clock hour;

g) The NO_x mass emissions (as NO_2), and corrected average NO_x emission concentration for every clock hour;

h) The CO mass emissions, and corrected average CO emission concentration for every rolling three-hour period;

i) On an hourly basis, the cumulative total NO_x mass emission (as NO_2) and the cumulative total CO mass emissions;

j) For each calendar day, the cumulative total NO_x mass emission (as NO_2) and the cumulative total CO mass emissions;

k) For each calendar quarter, the cumulative total NO_x mass emission (as NO_2) and the cumulative total CO mass emissions; and,

l) For each calendar year, the cumulative total NO_x mass emission (as NO_2) and the cumulative total CO mass emissions.

14. Moss Landing Power Company, LLC shall calculate and record on a daily basis, the volatile organic compound (VOC) mass emissions, fine particulate matter (PM_{10}) mass emissions, sulfur dioxide (SO_2) mass emissions, and ammonia (NH_3) mass emissions from each source. Moss Landing Power Company, LLC shall use the actual heat input rates, actual start-up times, actual shutdown times, actual combustor tuning times and District-approved emission factors to calculate these emissions. The calculated emissions shall be presented as follows: [Basis: District Rule 207]

    a) For each calendar day, VOC, PM_{10}, SO_2, and NH_3 mass emissions shall be summarized for each source.

    b) On a daily basis, the cumulative total VOC, PM_{10}, SO_2 and NH_3 mass emissions shall be summarized for each calendar quarter and for the calendar year.

15. Instrumentation must be operated to measure the SCR catalyst inlet temperature and pressure differential across the SCR catalyst. [Basis: District Rule 207]

16. Moss Landing Power Company, LLC shall submit monthly reports on the continuous emissions monitoring systems to the District in accordance to the Monitoring and Reporting Protocol for Monthly Reporting (Reporting Protocol) approved by the District. The written Monthly Report shall be submitted to the District within 30 days from the end of the month and shall include: [Basis: District Rules 207, 213, & 218]

    a) time intervals, date, and magnitude of excess emissions; nature and cause of the excess (if known), corrective actions and preventive measures adopted;

b) the averaging period used for data reporting, corresponding to averaging period specified in the emission test period used to determine compliance with an emission standard for the pollutant and source category in question;

c) time and date of each period during which the continuous monitoring system was inoperative, except for zero and span checks, and the nature of system repairs and adjustments;

d) a negative declaration when no excess emissions occurred; and,

e) a summary of actual monthly emissions, summarized and totaled on a quarterly basis, from the CEM for all subject equipment which operated during the month and/or quarter.

17. Moss Landing Power Company, LLC shall monitor and report SO_2 emissions in accordance with 40 CFR Parts 72 and 75. [Basis: District Rules 219]

18. Moss Landing Power Company, LLC shall hold Sulfur Dioxide Allowances in the compliance subaccounts not less than the total annual emissions of sulfur dioxide for the previous calendar year. [Basis: District Rules 219]

19. A written Quality Assurance program must be established in accordance with 40 CFR Part 75, Appendix B and 40 CFR Part 60, Appendix F which includes, but is not limited to procedures for daily calibration testing, quarterly linearity and leak testing, record keeping and reporting implementation, and relative accuracy testing. [Basis: District Rules 219]

20. Pursuant to Title IV, Part 75, Section 75.50, and District Rule 431, Section 4.3, permanent records shall be maintained for a period of five years after creation. The records at a minimum shall include all items specified in Section 75.50 and in District Rule 431. [Basis: District Rule 431]

21. Moss Landing Power Company, LLC shall submit quarterly Electronic Data Reports (EDR) to EPA. These reports must be submitted within 30 days following the end of the calendar quarter. The reports must be in electronic format and at a minimum must include all items listed in 40 CFR Section 75.64. [Basis: 40 CFR Part 75]

22. Moss Landing Power Company, LLC shall cause testing to be performed to verify compliance with the ammonia (NH_3) slip limit every EPA operating quarter, as defined in 40 CFR Part 72, or in the next EPA operating quarter if this unit cannot be tested in an EPA operating quarter due to the unit being non-operational at the time of scheduled testing. Moss Landing Power Company, LLC shall conduct this testing in accordance with the collection method specified in BAAQMD Source Test Procedure ST-1B and the analysis specified in EPA method 350.3. [Basis: District Rule 207 & 218]

23. Annual performance tests shall be conducted in accordance with the District test procedures, and the written results of the performance tests shall be provided to the District within thirty (30) days after testing. A testing protocol shall be submitted to the District no later than thirty (30) days prior to the testing, and notification to the District at least ten (10) days prior to the actual date of testing shall be provided so that a District observer may be present. Changes to the test date made subsequent to the initial ten-day notification may be communicated by telephone or other acceptable means no less than forty-eight (48) hours prior to the new test date. [Basis: District Rule 207 & 218]

    The performance tests shall include those parameters specified in the approved test protocol, and shall at a minimum include the following:

    a) Oxides of Nitrogen (as NO_2): ppmv dry at 15% O_2 and lbm/hr;

b) Carbon Monoxide: ppmv dry at 15% O_2 and lbm/hr;

c) Volatile Organic Compounds (as CH_4): ppmv dry at 15% O_2 and lbm/hr;

d) Ammonia (NH_3): ppmv dry at 15% O_2 and lbm/hr;

and the following process parameters:

e) Natural gas consumption;

f) Electricity generated during the test; and,

g) Stack gas flow rate (SDCFM) calculated according to procedures in EPA method 19.

24. Moss Landing Power Company, LLC shall report all breakdowns which result in the inability to comply with any emission standard or requirement contained on this permit to the Air Pollution Control Officer (APCO) within 1 hour or within one hour of the time the owner or operator knew, or reasonably should have known of the occurrence. The APCO may elect to take no enforcement action if Moss Landing Power Company, LLC demonstrates to the APCO's satisfaction that a breakdown condition exists. [Basis: District Rule 214]

    The estimated time for repair of the breakdown shall be supplied to the APCO within 24 hours of the occurrence and a written report shall be supplied to the APCO within 5 working days after the occurrence has been corrected. This report shall include at a minimum:

    a) a statement that the condition or failure has been corrected and the date of correction;

    b) a description of the reasons for the occurrence;

    c) a description of the corrective measures undertaken and/or to be undertaken to avoid such an occurrence in the future; and,

    d) an estimate of the emissions caused by the condition or failure.

25. Moss Landing Power Company, LLC shall maintain adequate stack sampling ports and platforms to enable the performance of source testing. [Basis: District Rule 207 & 218]

26. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three (3) minutes in any one (1) hour which is as dark or darker than Ringelmann 1, or equivalent 20% opacity. [Basis: District Rule 400]

27. Notwithstanding the requirements of Condition 26, no air contaminant shall be discharged into the atmosphere for a two (2) hour period from the gas turbine exhaust during start-up for a period or periods aggregating more than three (3) minutes in any one (1) hour which is as dark or darker than Ringelmann 2, or equivalent 40% opacity. Good engineering practices shall be used to the fullest extent practical during start-up to minimize pollutant emissions. [Basis: District Rule 400]

28. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as or darker than Ringelmann 1, or equivalent 20 percent opacity. [Basis: District Rule 400]

29. No emissions shall constitute a public nuisance. [Basis: District Rule 402]

30. Moss Landing Power Company, LLC shall fund the operation of the "Stationary Source" percentage of the District's Salinas air monitoring station. [Basis: District Rule 207]

Note: This permit replaces Permit to Operate GNR-0017600A issued to Dynegy Moss Landing, LLC on June 8, 2018. The annual renewal date of this permit is 7/4.

MONTEREY BAY AIR RESOURCES DISTRICT

PERMIT TO OPERATE

GNR-0018647

24580 SILVER CLOUD CT., MONTEREY, CA 93940 TELEPHONE (831) 647-9411 • FAX (831) 647-8501

OPERATION UNDER THIS PERMIT MUST BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS INCLUDED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED. THE EQUIPMENT MUST BE PROPERLY MAINTAINED AND KEPT IN GOOD CONDITION AT ALL TIMES. THIS PERMIT TO OPERATE MUST BE POSTED OR ACCESSIBLE.

LEGAL OWNER OR OPERATOR:	MOSS LANDING POWER COMPANY, LLC
EQUIPMENT LOCATED AT:	Moss Landing Power Plant Highway One & Dolan Road Moss Landing, California
EQUIPMENT DESCRIPTION AND CONDITIONS:	THIS PERMIT TO OPERATE IS ISSSUED AND IS VALID FOR THIS EQUIPMENT ONLY WHILE IT IS IN THE CONFIGURATION SET FORTH IN THE FOLLOWING DESCRIPTION:

COMBINED CYCLE GAS TURBINE GENERATOR UNIT 4A:

1. Gas Turbine Generator, General Electric Frame 7, Model PG7241, Serial #297605, Rated At 1,870 MMBtu/Hr Maximum Heat Input And 180 MW Nominal Electrical Output, Dry Low-NO_x Combustor.

2. Water Tube Type Heat Recovery Steam Generator (HRSG), Nominal Ratings: High Pressure Steam Capacity: 409,900 Lbs/Hr @ 1,903 psia And 1,047°F, Intermediate Pressure Steam Capacity: 484,500 Lbs/Hr @ 358 psia And 1,022°F, Low Pressure Steam Capacity: 55,300 Lbs/Hr @ 71 psia And 499°F.

3. Steam Turbine Generator And Condenser Serving Gas Turbine Units 3A And 4A, Quadruple Admission, Triple Extraction, 196.8 MW Nominal Rated Electrical Output.

4. Selective Catalytic Reduction NO_x Control System Consisting Of 2,244 Ft^3 Cormetech Type CM-21 Vanadium, Titanium, And Tungsten Oxide Honeycomb Catalyst Located Within The HRSG.

5. Ammonia Injection System.

6. CEM System Consisting Of:

    a. Sample Acquisition Probe As Described In The Monitoring And Reporting Protocol.

    b. Instrumentation Shelter, 8' x 10', Located Approximately 20 Feet From The Stack. Shelter Houses Sample Transport And Conditioning Systems, And Analyzers.

    c. Analyzers:

        i. Chemiluminescence Analyzer Measuring NO_2.

THIS PERMIT BECOMES VOID UPON ANY CHANGE OF OWNERSHIP OR ADDRESS, OR ANY ALTERATION.

THIS PERMIT DOES NOT AUTHORIZE THE EMISSIONS OF AIR CONTAMINANTS IN EXCESS OF THOSE ALLOWED BY ARTICLE 1, CHAPTER 3, PART 4, DIVISION 26 OF THE HEALTH & SAFETY CODE OF THE STATE OF CALIFORNIA OR THE RULES AND REGULATIONS OF THE AIR POLLUTION CONTROL DISTRICT. THIS PERMIT CANNOT BE CONSIDERED AS PERMISSION TO VIOLATE EXISTING LAWS, ORDINANCES, REGULATION OR STATUTES OF OTHER GOVERNMENTAL AGENCIES.

Mary Giraudo, For

AIR POLLUTION CONTROL OFFICER

DATE 4/21/2021

ii. Analyzer Measuring CO Via Non-Dispersive Infrared Measurement And O_2 Via Paramagnetic Measurement As Described In Monitoring And Reporting Protocol.

iii. Data Acquisition System, VIM Technologies, Installed On An IBM Compatible Computer Located In The Control Room.

THE EQUIPMENT FOR WHICH THIS PERMIT TO OPERATE IS ISSUED MAY BE OPERATED ONLY WHEN IN COMPLIANCE WITH THE FOLLOWING CONDITIONS:

Conditions:

1. The heat input rate to this gas turbine shall not exceed 1,870 MMBtu/hr. [Basis: District Rule 207]

2. The maximum daily combined emissions from the gas turbines, including start-ups and shutdowns and combustor tuning periods, shall not exceed the following limits: [Basis: District Rule 207]

Pollutant	Lbs/Day
Oxides of Nitrogen (NO_x)	2,589.4
Carbon Monoxide (CO)	17,301.8
Particulate Matter <10 microns (PM_{10})	864.0
Volatile Organic Compounds (VOC)	620.0
Ammonia (NH_3)	1,224.0
Sulfur Dioxide (SO_2)	124.8

3. The pollutant mass emission rates in the exhaust discharged to the atmosphere from this gas turbine shall not exceed the following limits: [Basis: District Rule 207]

Pollutant	Lbs/Hour	Lbs/Day
Oxides of Nitrogen (NO_x)	17.23	413.5
Carbon Monoxide (CO)	37.76	906.2
Particulate Matter <10 microns (PM_{10})	9.00	216.0
Volatile Organic Compounds (VOC)	4.79	115.0
Ammonia (NH_3)	12.75	306.0
Sulfur Dioxide (SO_2)	1.30	31.2

These limits shall not apply during start-up, which is not to exceed four (4) hours, during shutdown, which is not to exceed two (2) hours, or during steam turbine cold start-up or combustor tuning, which are not to exceed six (6) hours. SCR catalytic controls and good engineering practices shall be used to the fullest extent practical during start-up, shutdown, and combustor tuning to minimize pollutant emissions.

Steam turbine cold start-up periods are start-up periods that last more than four (4) hours or exceed the start-up emission limits in Condition 5, and follow a shutdown of the steam turbine for at least 72 hours.

Combustor tuning activities include all testing, adjustment, tuning, and calibration activities associated with combustor replacement and maintenance recommended by the gas turbine manufacturer to ensure safe and reliable steady state operation of the gas turbines. This includes, but is not limited to, adjusting

the amount of fuel distributed between the combustion turbine's staged fuel systems to simultaneously minimize NO_x, CO, and VOC production while ensuring combustor stability.

4. The pollutant concentrations discharged to the atmosphere from this gas turbine shall not exceed the following limits, calculated at 15 percent O_2 on a one-hour rolling average unless otherwise noted: [Basis: District Rule 207]

Pollutant	Concentration (ppm)
Oxides of Nitrogen (as NO_2)	2.5 (clock hour average)
Carbon Monoxide (CO)	9.0 rolling three-hour average)
Ammonia (NH_3)	5.0 (three 60-minute averages)

These limits shall not apply: during start-up, which is not to exceed four (4) hours; during shutdown, which is not to exceed two (2) hours; or during steam turbine cold start-up or combustor tuning, which are not to exceed six (6) hours. SCR catalytic controls and good engineering practices shall be used to the fullest extent practical during start-up, shutdown, and combustor tuning to minimize pollutant emissions.

5. The pollutant emission rates discharged to the atmosphere from this gas turbine during start-up, shutdown, or combustor tuning activities shall not exceed the following limits. These limits apply to any start-up period which shall not exceed four (4) hours, to any shutdown, which shall not exceed two (2) hours, and to any steam turbine cold start-up or combustor tuning, which shall not exceed six (6) hours. [Basis: District Rule 207]

Pollutant	Lbs/Start-up	Lbs/Cold Start-up or Combustor Tuning	Lbs/Shutdown
NO_x (as NO_2)	320.0	480.0	160.0
CO	3,608.0	5,412.0	1,804.0
VOCs (as CH_4)	64.0	214.0	32.0

6. Exceedance of the hourly NO_x emission limits specified in Conditions 3 and 4 is allowed during short-term excursions which total less than 10 hours per rolling 12-month period. [Basis: District Rule 207]

Short-term excursions are defined as 15-minute periods designated by Moss Landing Power Company, LLC that are a direct result of a combustor mode switchover, not to exceed four consecutive 15-minute periods, when the 15-minute average NO_x concentration exceeds 2.5 ppm corrected to 15% O_2.

The maximum 1-hour NO_x concentration for periods that include short-term excursions shall not exceed 30 ppmvd corrected to 15% O_2. All emissions during short-term excursions shall be included in all calculations of daily, quarterly, and annual mass emissions required by this permit.

7. The CEM system shall be operated on this gas turbine. This system shall be designed to continuously record the measured gaseous concentrations, and calculate and continuously monitor and record the CO, CO_2 or O_2, and NO_x concentrations corrected to fifteen (15) percent oxygen (O_2) on a dry basis. [Basis: District Rule 207]

The equipment for the continuous monitoring of CO shall be maintained and operated in accordance with 40 CFR Part 60 Appendix F, and the equipment for the continuous monitoring of CO_2 or O_2 and NO_x shall be maintained and operated in accordance with 40 CFR Parts 72 and 75.

8. Cumulative emissions, including emissions generated during start-ups, shutdowns, and combustor tuning activities, from all power generation equipment at the Moss Landing Power Plant shall not exceed the following quarterly limits: [Basis: District Rule 207]

Pollutant	Pounds Of Emissions Per Calendar Quarter			
	First	Second	Third	Fourth
NO_x (as NO_2)	169,840	169,840	169,840	169,840
SO_x	10,920	10,920	10,920	10,920
VOC	44,720	44,720	44,720	44,720
PM_{10}	75,600	75,600	75,600	75,600
CO	662,960	662,960	662,960	662,960

9. This equipment shall be abated by a properly operated and maintained Selective Catalytic Reduction System. [Basis: District Rule 207]

10. No more than one of the gas turbines shall be operated in support of a steam turbine cold start-up or undergo combustor tuning at any one time. [Basis: District Rule 207]

11. The total number of hours during which each gas turbine may be operated to support a steam turbine cold start-up or may undergo combustor tuning shall not exceed 30 hours per year. [Basis: District Rule 207]

12. To demonstrate compliance with Condition 11, Moss Landing Power Company, LLC shall record the start time, end time, and duration of each steam turbine cold start-up and each combustor tuning period. On an annual basis, Moss Landing Power Company, LLC shall report the total number of hours during which each gas turbine operated to support a steam turbine cold start-up or in combustor tuning mode during the year. [Basis: District Rule 207]

13. Moss Landing Power Company, LLC shall demonstrate compliance by using properly operated and maintained continuous emission monitors (during all hours of operation including equipment start-up and shutdown periods and combustor tuning activities, except for periods of CEM maintenance performed in accordance with District requirements) for all of the following parameters: [Basis: District Rule 207]

    a) Firing hours and Fuel Flow Rates.

    b) Oxygen (O_2) Concentrations, Nitrogen Oxide (NO_x) Concentrations, and Carbon Monoxide (CO) Concentrations.

    c) Ammonia Injection Rates.

    Moss Landing Power Company, LLC shall record all of the above parameters every 15 minutes (excluding normal calibration periods) and shall summarize all of the above parameters for each clock hour. For each calendar day, Moss Landing Power Company, LLC shall calculate and record the total Firing Hours, the average hourly Fuel Flow Rates, and pollutant emission concentrations.

    Moss Landing Power Company, LLC shall use the parameters measured above and District-approved calculation methods to calculate the following parameters:

    d) Heat Input Rate.

e) Corrected NO_x concentrations, NO_x mass emissions (as NO_2), corrected CO concentrations, and CO mass emissions.

For each source, Moss Landing Power Company, LLC shall record the parameters specified in Sections (d) and (e) of this condition every 15 minutes (excluding normal calibration periods). As specified below, Moss Landing Power Company, LLC shall calculate and record the following data:

f) Total Heat Input Rate for every clock hour;

g) The NO_x mass emissions (as NO_2), and corrected average NO_x emission concentration for every clock hour;

h) The CO mass emissions, and corrected average CO emission concentration for every rolling three-hour period;

i) On an hourly basis, the cumulative total NO_x mass emission (as NO_2) and the cumulative total CO mass emissions;

j) For each calendar day, the cumulative total NO_x mass emission (as NO_2) and the cumulative total CO mass emissions;

k) For each calendar quarter, the cumulative total NO_x mass emission (as NO_2) and the cumulative total CO mass emissions; and,

l) For each calendar year, the cumulative total NO_x mass emission (as NO_2) and the cumulative total CO mass emissions.

14. Moss Landing Power Company, LLC shall calculate and record on a daily basis, the volatile organic compound (VOC) mass emissions, fine particulate matter (PM_{10}) mass emissions, sulfur dioxide (SO_2) mass emissions, and ammonia (NH_3) mass emissions from each source. Moss Landing Power Company, LLC shall use the actual heat input rates, actual start-up times, actual shutdown times, actual combustor tuning times and District-approved emission factors to calculate these emissions. The calculated emissions shall be presented as follows: [Basis: District Rule 207]

    a) For each calendar day, VOC, PM_{10}, SO_2, and NH_3 mass emissions shall be summarized for each source.

    b) On a daily basis, the cumulative total VOC, PM_{10}, SO_2 and NH_3 mass emissions shall be summarized for each calendar quarter and for the calendar year.

15. Instrumentation must be operated to measure the SCR catalyst inlet temperature and pressure differential across the SCR catalyst. [Basis: District Rule 207]

16. Moss Landing Power Company, LLC shall submit monthly reports on the continuous emissions monitoring systems to the District in accordance to the Monitoring and Reporting Protocol for Monthly Reporting (Reporting Protocol) approved by the District. The written Monthly Report shall be submitted to the District within 30 days from the end of the month and shall include: [Basis: District Rules 207, 213, & 218]

    a) time intervals, date, and magnitude of excess emissions; nature and cause of the excess (if known), corrective actions and preventive measures adopted;

b) the averaging period used for data reporting, corresponding to averaging period specified in the emission test period used to determine compliance with an emission standard for the pollutant and source category in question;

c) time and date of each period during which the continuous monitoring system was inoperative, except for zero and span checks, and the nature of system repairs and adjustments;

d) a negative declaration when no excess emissions occurred; and,

e) a summary of actual monthly emissions, summarized and totaled on a quarterly basis, from the CEM for all subject equipment which operated during the month and/or quarter.

17. Moss Landing Power Company, LLC shall monitor and report SO_2 emissions in accordance with 40 CFR Parts 72 and 75. [Basis: District Rules 219]

18. Moss Landing Power Company, LLC shall hold Sulfur Dioxide Allowances in the compliance subaccounts not less than the total annual emissions of sulfur dioxide for the previous calendar year. [Basis: District Rules 219]

19. A written Quality Assurance program must be established in accordance with 40 CFR Part 75, Appendix B and 40 CFR Part 60, Appendix F which includes, but is not limited to procedures for daily calibration testing, quarterly linearity and leak testing, record keeping and reporting implementation, and relative accuracy testing. [Basis: District Rules 219]

20. Pursuant to Title IV, Part 75, Section 75.50, and District Rule 431, Section 4.3, permanent records shall be maintained for a period of five years after creation. The records at a minimum shall include all items specified in Section 75.50 and in District Rule 431. [Basis: District Rule 431]

21. Moss Landing Power Company, LLC shall submit quarterly Electronic Data Reports (EDR) to EPA. These reports must be submitted within 30 days following the end of the calendar quarter. The reports must be in electronic format and at a minimum must include all items listed in 40 CFR Section 75.64. [Basis: 40 CFR Part 75]

22. Moss Landing Power Company, LLC shall cause testing to be performed to verify compliance with the ammonia (NH_3) slip limit every EPA operating quarter, as defined in 40 CFR Part 72, or in the next EPA operating quarter if this unit cannot be tested in an EPA operating quarter due to the unit being non-operational at the time of scheduled testing. Moss Landing Power Company, LLC shall conduct this testing in accordance with the collection method specified in BAAQMD Source Test Procedure ST-1B and the analysis specified in EPA method 350.3. [Basis: District Rule 207 & 218]

23. Annual performance tests shall be conducted in accordance with the District test procedures, and the written results of the performance tests shall be provided to the District within thirty (30) days after testing. A testing protocol shall be submitted to the District no later than thirty (30) days prior to the testing, and notification to the District at least ten (10) days prior to the actual date of testing shall be provided so that a District observer may be present. Changes to the test date made subsequent to the initial ten-day notification may be communicated by telephone or other acceptable means no less than forty-eight (48) hours prior to the new test date. [Basis: District Rule 207 & 218]

    The performance tests shall include those parameters specified in the approved test protocol, and shall at a minimum include the following:

    a) Oxides of Nitrogen (as NO_2): ppmv dry at 15% O_2 and lbm/hr;

b) Carbon Monoxide: ppmv dry at 15% O_2 and lbm/hr;

c) Volatile Organic Compounds (as CH_4): ppmv dry at 15% O_2 and lbm/hr;

d) Ammonia (NH_3): ppmv dry at 15% O_2 and lbm/hr;

and the following process parameters:

e) Natural gas consumption;

f) Electricity generated during the test; and,

g) Stack gas flow rate (SDCFM) calculated according to procedures in EPA method 19.

24. Moss Landing Power Company, LLC shall report all breakdowns which result in the inability to comply with any emission standard or requirement contained on this permit to the Air Pollution Control Officer (APCO) within 1 hour or within one hour of the time the owner or operator knew, or reasonably should have known of the occurrence. The APCO may elect to take no enforcement action if Moss Landing Power Company, LLC demonstrates to the APCO's satisfaction that a breakdown condition exists. [Basis: District Rule 214]

    The estimated time for repair of the breakdown shall be supplied to the APCO within 24 hours of the occurrence and a written report shall be supplied to the APCO within 5 working days after the occurrence has been corrected. This report shall include at a minimum:

    a) a statement that the condition or failure has been corrected and the date of correction;

    b) a description of the reasons for the occurrence;

    c) a description of the corrective measures undertaken and/or to be undertaken to avoid such an occurrence in the future; and,

    d) an estimate of the emissions caused by the condition or failure.

25. Moss Landing Power Company, LLC shall maintain adequate stack sampling ports and platforms to enable the performance of source testing. [Basis: District Rule 207 & 218]

26. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three (3) minutes in any one (1) hour which is as dark or darker than Ringelmann 1, or equivalent 20% opacity. [Basis: District Rule 400]

27. Notwithstanding the requirements of Condition 26, no air contaminant shall be discharged into the atmosphere for a two (2) hour period from the gas turbine exhaust during start-up for a period or periods aggregating more than three (3) minutes in any one (1) hour which is as dark or darker than Ringelmann 2, or equivalent 40% opacity. Good engineering practices shall be used to the fullest extent practical during start-up to minimize pollutant emissions. [Basis: District Rule 400]

28. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as or darker than Ringelmann 1, or equivalent 20 percent opacity. [Basis: District Rule 400]

29. No emissions shall constitute a public nuisance. [Basis: District Rule 402]

30. Moss Landing Power Company, LLC shall fund the operation of the "Stationary Source" percentage of the District's Salinas air monitoring station. [Basis: District Rule 207]

Note: This permit replaces Permit to Operate GNR-0017601A issued to Dynegy Moss Landing, LLC on June 8, 2018. The annual renewal date of this permit is 7/4.

Note