GRENIER & ASSOCIATES, INC.

ENVIRONMENTAL PLANNING • LICENSING & PERMITTING • REGULATORY COMPLIANCE

October 22, 2012 *Compliance Log #2012-029*

Ms. Christine Stora
Compliance Project Manager
California Energy Commission
1516 Ninth Street, MS-2000
Sacramento, CA 95814

Subject: Lodi Energy Center (08-AFC-10C)
Condition of Certification COM-6
Monthly Compliance Report #26

Dear Ms. Stora:

In compliance with Condition of Certification COM-6 as set forth in the California Energy Commission's Final Decision for the Lodi Energy Center Project, enclosed please find one hard copy and one electronic version of the project's twenty-sixth Monthly Compliance Report for the period September 1-30, 2012.

If you have any questions regarding this submittal, please contact me at (916) 780-1171.

Sincerely,

Andrea E. Grenier

Andrea Grenier
Environmental Compliance Manager
for the Lodi Energy Center Project

cc: Mike DeBortoli, NCPA

1420 E. Roseville Parkway, Suite 140-377, Roseville, CA 95661
Tel (916) 780-1171 Cell (916) 847-0918 Email andrea@agrenier.com

Docket 08-AFC-10C

Lodi Energy Center Project

September 2012 Reporting Period

Monthly Compliance Report #26

This document has been prepared by Grenier & Associates, Inc. on behalf of the Northern California Power Agency and represents the twenty-sixth monthly compliance report for the Lodi Energy Center Project. The information contained in this report covers commissioning and compliance activities during September 2012.

Lodi Energy Center Project

Docket 08-AFC-10C

September 2012 Reporting Period

Monthly Compliance Report #26

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MONTHLY COMPLIANCE REPORT #26

ONE | INTRODUCTION

On April 21, 2010, the California Energy Commission (CEC) issued a license to the Northern California Power Agency (NCPA) for the construction and operation of the Lodi Energy Center Project. The CEC Compliance Project Manager (CPM) issued an Authority to Construct letter to NCPA on July 14, 2010, allowing the start of construction activities for all power plant and related linear facilities.

This document constitutes NCPA's twenty-sixth Monthly Compliance Report (MCR) for the Lodi Energy Center Project, as required by Condition of Certification COM-6 in the CEC Final Decision for the Project. The information in this report documents the construction, commissioning, and environmental compliance activities that were performed during September 2012.

TWO | OVERALL PROJECT STATUS

As of the end of September 2012, the project was 99 percent complete overall. Commissioning activities continued throughout the month, in anticipation of an October 2012 commercial operation date. A key events list is included in Exhibit 1. A photo of the project site taken during September 2012 is shown in Figure 1.

FIGURE 1: September 2012

THREE | COMMISSIONING ACTIVITIES

During September 2012, commissioning activities continued. ARB performed Steam blows and finished on September 5, 2012. The temporary steam blow piping was removed and systems were restored at the conclusion of steam blows. The unit was then run to conduct bypass blows. The unit was operated in full steam turbine bypass mode while this system was cleaned. The unit achieved 150 MW on the gas turbine during these procedures. During this time, problems with valves interrupted work process. ARB was able to procure a replacement valve to minimize disruption. Other activities completed in September included final grading and paving, installation of the CO catalyst, pipe insulation work, and continued commissioning and fine tuning of various systems. During the month, it was discovered that the auxiliary boiler, in its current configuration, will not meet emissions requirements. Due to the potential closing of the commissioning window within the permit, a variance was sought and granted to allow continued operation of the Aux Boiler. Information related to the variance is provided in Exhibit 2.

FOUR | COMPLIANCE ACTIVITIES

This section of the monthly compliance report provides input on NCPA's activities related to ensuring that compliance with all the Conditions of Certification as set forth in the CEC's Final Decision for the Lodi Energy Center Project is achieved in a timely and satisfactory manner. The following information is provided per the requirements set forth in Condition of Certification COM-6.

Compliance Matrix

The compliance matrix was updated during the reporting period to reflect the dates that compliance submittals were provided to the CEC and the dates of any approvals by the CBO, CEC CPM, or delegate agency.

Completed Compliance Activities

The following table lists the compliance submittals that were provided to the CEC CPM during September:

Log #	Date Submitted	Condition	Subject
2012-023	9/11/12	S&W-4	Central Valley RWQCB Letter Exempting LEC from Industrial SWPPP
2012-024	9/11/12	AQ-12 and 36	Copy of Air District Approval of Variance
2012-025	9/20/12	COM-6	MCR #24
2012-026	9/20/12	AQ-131 and AQ-142	Commissioning Emissions Variance
2012-027	9/20/12	TSE-06	Evidence of Telephone Notification to CAISO

Required Documents Submitted With This Report

The Final Decision sets forth specific conditions, many of which include reporting requirements that must be addressed in this MCR. The following paragraphs describe the compliance activities that were completed during the September 2012 reporting period:

AQ-SC1: The Air Quality Construction Mitigation Manager (AQCMM) for the project is responsible for directing and documenting compliance with AQ-SC3, AQ-SC4, and AQ-SC5 for the entire project site and linear facility construction. The ACQMM's daily monitoring log is available on site for the CPM's inspection.

AQ-SC2: Construction mitigation measures as set forth in Conditions AQ-SC3, AQ-SC4, and AQ-SC5 as well as in the LEC Air Quality Construction Mitigation Plan were complied with during the reporting period. The AQCMM's monthly report is included in Exhibit 3.

AQ-SC3: Approximately 108,000 gallons of construction water from the White Slough Water Pollution Control Facility were used for dust control purposes during the month, as described in the AQCMM's monthly report included in Exhibit 3.

AQ-SC4: Dust plume control measures were implemented as necessary and information on their use (if required) is included in the AQCMM's monthly report included in Exhibit 3.

AQ-SC5: A summary of the diesel engine certification information required by this condition is included as part of the AQCMM's monthly report included in Exhibit 3, along with diesel fuel purchase information. The equipment on site is owned or rented by ARB and has been maintained on site throughout the construction and commissioning period by ARB's mechanics.

AQ-12 and AQ-36: On July 5, 2012, NCPA submitted a variance petition to the San Joaquin Valley Air Pollution Control District requesting relief from CO emission limits during the Lodi Energy Project's commissioning period. A public hearing was held on August 1, 2012 at which time the Hearing Board approved a short variance. A copy of the variance was provided to the on September 11, 2012.

AQ-131 and AQ-142: On September 19, 2012, NCPA submitted a variance petition to the San Joaquin Valley Air Pollution Control District requesting relief from the CO emission concentration limit for the auxiliary boiler and from the requirement to source test the boiler before the end of the gas turbine commissioning period so that it could undertake additional tuning activities, and if necessary, obtain a permit modification to bring the boiler into compliance. A copy of the variance petition and hearing notice is included in Exhibit 2 to this MCR.

BIO-2: Rick Crowe is the Designated Biologist for the LEC Project. His monthly Biological Resources Mitigation Implementation and Monitoring Report, which provides a summary of the August 2012 construction activities and associated biological monitoring, is included in Exhibit 4.

BIO-5: No new workers were trained during the monthly reporting period. The total trained to date is 1,503.

BIO-6 through BIO-13: The Designated Biologist/Biological Monitor's monthly report is provided in Exhibit 4.

CIVIL 1-4: Copies of relevant CBO approval letters are provided in Exhibit 5.

COM-5: The updated compliance matrix is provided in Exhibit 6.

CUL-5: No new workers were trained during the monthly reporting period. The total trained to date is 1,503.

CUL-6: The Cultural Resources Specialist's monthly summary report is included in Exhibit 4.

GEN-3: Payments made to the CBO in September amounted to $53,561.

GEN-6: Information related to the approval of any special inspectors and fabricators during the reporting period is included in Exhibit 5.

MECH-1: Information related to inspection approvals of any major piping or plumbing mechanical systems is provided in Exhibit 5.

MECH-2: Information related to the inspection approvals of any HVAC and pressure vessel systems is provided in Exhibit 5.

PAL-4: No new workers were trained during the monthly reporting period. The total trained to date is 1,503.

PAL-5: Activities requiring review by a Paleontological Resources monitored have been completed; the final post-construction report will be filed soon as required by PAL-7.

S&W-2: Information related to the implementation of construction SWPPP activities is included in the Air Quality Construction Mitigation Manager's Monthly Report provided in Exhibit 3.

STRUC-1: Copies of relevant CBO approval letters are provided in Exhibit 5.

TLSN-3: Post-energization EMF surveys will be conducted in October or November 2012.

VIS-1: No construction-related lighting complaints were received during the reporting period.

VIS-4: Installation of exterior lighting has been completed. A request for an onsite inspection by the CEC CPM is in progress.

VIS-5: Surface treatment activities continue. A request for an onsite inspection by the CEC CPM will be requested once the work is completed.

Worker Safety-3 and -4: NCPA's Construction Safety Supervisor reported no health or safety issues in September. The CBO Safety Monitor's monthly report is included in Exhibit 7.

Submittal Deadlines Not Met

None

Approved Changes to Conditions of Certification

No requests for changes to any Conditions of Certification were made during the reporting period.

Filings or Permits Issued by Other Governmental Agencies

None this period.

Projected Compliance Activities for October/November 2012

NCPA will continue to report progress on the compliance activities noted above. In addition, the following compliance documents will continue to be monitored with the CEC or submitted during October/November:

- Air Quality: Various submittals related to source testing
- VIS-4: Request for CPM Inspection of Permanent Lighting
- VIS-5: Request for CPM Inspection of Surface Treatment
- TLSN-6: Post Energization EMF Measurements
- PAL-7: Paleontological Resources Report

Listing of Additions to Onsite Compliance Files During the Reporting Period

Copies of the documents included in the exhibits to this monthly compliance report have been added to the onsite compliance files.

Requests to Dispose of Items Required To Be In Compliance Files

None this period.

Exhibit 1

Key Events List

KEY EVENTS LIST

PROJECT: LODI ENERGY CENTER

DOCKET #: 08-AFC-10C

COMPLIANCE PROJECT MANAGER: CHRISTINE STORA

EVENT DESCRIPTION	DATE
Certification Date	4/21/10
Obtain Site Control	3/22/10
Online Date	SEPT 2012
POWER PLANT SITE ACTIVITIES	
Start Site Mobilization	7/30/10
Start Ground Disturbance	8/7/10
Start Grading	8/7/10
Start Construction	10/1/10
Begin Pouring Major Foundation Concrete	10/8/10
Begin Installation of Major Equipment	11/1/10
Completion of Installation of Major Equipment	7/1/12
First Combustion of Gas Turbine	8/25/12
Obtain Building Occupation Permit	TBD
Start Commercial Operation	October 2012
Complete All Construction	October 2012
TRANSMISSION LINE ACTIVITIES	
Start T/L Construction	6/8/11
Synchronization with Grid and Interconnection	8/27/12
Complete T/L Construction	7/5/11
FUEL SUPPLY LINE ACTIVITIES	
Start Gas Pipeline Construction and Interconnection	10/1/11
Complete Gas Pipeline Construction	6/28/12
WATER SUPPLY LINE ACTIVITIES	
Start Water Supply Line Construction	11/15/11
Complete Water Supply Line Construction	11/23/11

Exhibit 2

Correspondence, Filings, or Permits Issued by Other Governmental Agencies

A PUBLIC AGENCY
NCPA
NORTHERN CALIFORNIA POWER AGENCY

September 19, 2012

PO Box 1478
12745 N. Thornton Road
Lodi, CA 95241
(209) 333-6370
www.ncpa.com

Mr. Ron Giannone
San Joaquin Valley APCD
Northern Region Office
4800 Enterprise Way
Modesto, CA 95356

Subject: Variance Petition for NCPA Lodi Energy Center Power Plant
ATC N-2697-7-0

Dear Mr. Giannone:

Please find attached a petition for Interim and Regular Variance relief for the NCPA's Lodi Energy Center power plant ("LEC") located in Lodi, California. As explained in the petition, NCPA is seeking variance relief from the CO emission concentration limit for the auxiliary boiler and from the requirement to source test the boiler before the end of the gas turbine commissioning period so that it can undertake additional tuning activities and, if necessary, obtain a permit modification to bring the boiler into compliance.

We have included a check for $1225 for an Interim and Regular Variance in accordance with the SJVAPCD's variance fee schedule. Please contact Michael DeBortoli of NCPA at (916) 521-0047 or Jeff Adkins of Sierra Research at 916-444-6666 with any questions.

Sincerely,

Vinnie Venethongkham (for)

Kevin Cunningham
Combustion Turbine Manager, Northern California Power Agency

Enclosures – Variance Petition, Check

cc: Michael DeBortoli, NCPA
Andrea Grenier, Grenier and Associates
Jeffrey Adkins, Sierra Research

PETITION FOR A HEARING

BEFORE THE HEARING BOARD OF THE

SAN JOAQUIN VALLEY UNIFIED AIR POLLUTION CONTROL DISTRICT

[**X**] Northern Region Office
4800 Enterprise Way
Modesto, CA 95356
(209) 557-6440

[ ] Central Region Office
1990 E. Gettysburg Ave.
Fresno, CA 93726
(559) 230-5950

[ ] Southern Region Office
34946 Flyover Court
Bakersfield, CA 93308
(661) 392-5540

TYPE OF HEARING		FEES (Non-Refundable)	
( ) A.	Regular Variance	( ) A.	$ 875.00
(X) B.	Interim & Regular Variance	(X) B.	$1225.00
( ) C.	Short Variance (90 Days or Less)	( ) C.	$ 759.00
( ) D.	Interim & Short Variance	( ) D.	$1109.00
( ) E.	Emergency Variance	( ) E.	$ 263.00
( ) F.	Appeal Hearing	( ) F.	$ 875.00
( ) G.	Extension of Variance	( ) G.	$ 350.00
( ) H.	Modification of Variance	( ) H.	$ 350.00
( ) I.	Modification of Variance Schedule of Progress	( ) I.	$ 350.00
( ) J.	Product Variance	( ) J.	$1167.00
( ) K.	Rehearing	( ) K.	$ 875.00
( ) L.	Revocation of Variance	( ) L.	$ 350.00
( ) M.	Special Hearing	( ) M.	$ 875.00
		Total:	**$ 1225.00**

PETITION INFORMATION

A. NAME OF FACILITY: Northern California Power Agency Lodi Energy Center

FACILITY LOCATION: 12745 N. Thornton Road

CITY: Lodi STATE: CA ZIP CODE: 95241

TELEPHONE: (209) 333-6370 FAX:

NAME OF PERSON AUTHORIZED TO RECEIVE NOTICES: Michael DeBortoli

MAILING ADDRESS: [same]

CITY: STATE: ZIP CODE:

TELEPHONE: (916) 521-0047 FAX: E-MAIL: Michael.DeBortoli@ncpa.com

B. TYPE OF ENTITY (Check One)

( ) Individual

( ) Co-Partnership

( ) Corporation

(X) Other Entity

Please include the name, title, and address of officers, if a corporation; partners, if a co-partnership; or the person(s) in control if other entity.

(Attach additional sheets, if needed)

NAME	TITLE	ADDRESS
Kevin Cunningham	Combustion Turbine Manager	[same]

DISTRICT USE ONLY

CHECK NUMBER:	RECEIPT NUMBER:	DATE RECEIVED:

1. Briefly describe the type of business conducted at your facility.

NCPA is a California Joint Action Agency that is headquartered in Roseville, CA. NCPA is a not-for-profit joint powers agency that represents and provides support for 17 member communities and districts in Northern and Central California. NCPA was founded in 1968 as a forum through which community-owned utilities could make investments to ensure an affordable, reliable and clean future energy supply for the electric ratepayers within the region. NCPA's new Lodi Energy Center (LEC) facility is a natural gas-fired, combined-cycle electrical generating facility rated with a nominal generating capacity of 296 MW. When operational, LEC will be the lowest-emitting and most efficient base-loaded generating unit in NCPA's resource mix.

2. Describe in detail the equipment or activity that is the subject of this petition, what the equipment is used for, and why it is necessary to the operation of your business. Please include all pertinent information necessary to describe the activity including: fuels burned, raw materials processed, product produced, true vapor pressure(s) of all volatile organic compounds, site diagrams, material flow charts, fuel systems, and diagrams of air pollution control systems if necessary. Include copies of all District **Permits to Operate and/or Authorities to Construct for each piece of equipment or activity relevant to this variance request.**

The equipment that is the subject of this petition is the 36.5 MMBtu/hr natural gas-fired Rentech Boiler Systems Inc. "D" type boiler equipped with a Todd/Coen RMB ultra low-NOx burner. The auxiliary boiler is part of the Siemens “Flex-Plant 30” system and is covered by District Authority to Construct N-2697-7-0. The auxiliary boiler provides steam to the Siemens natural gas-fired STG6-5000F "Flex Plant 30" combustion turbine generator during gas turbine startup and shutdown to allow startups and shutdowns to be accomplished more quickly. During pre-start activities and the initial phases of startup, steam for sealing, warming the steam turbine, heating/reheating condensate, sparging of the heat recovery steam generator, and combustion turbine fuel gas heating is provided by the auxiliary boiler.

3. List all Permit to Operate Condition numbers and District Rule numbers, including subsections, for which you are requesting variance relief and **explain** how you are violating or will violate the condition(s) and/or rule(s).

ATC #N-2697-7-0, Condition #15 (and its implementing NSR Rule 2201; boiler prohibitory Rules 4305, 4306 and 4320; and Operating Permits Rule 2520) provides that CO emissions from the auxiliary boiler are limited to 50 ppmvd @ 3% O_2. This limit was proposed by the Applicant during permitting based on vendor information available at that time. However, during the commissioning period, the Applicant's vendor has attempted to tune and operate the auxiliary boiler to achieve the 50 ppmvd @ 3% O_2 CO limit concurrently with the ATC #N-2697-7-0, Condition #14 NOx limit of 7.0 ppmvd @ 3% O_2. The applicant is unable to meet both Condition #14 (NOx) and Condition #15 (CO) limits simultaneously. To achieve the Condition #14 NOx limit of 7.0 ppmvd @ 3% O_2, the boiler must be tuned so that it emits at the rate of 85 to 100 ppmvd @ 3% O_2. While this CO emission rate is in compliance with the CO limit of the boiler prohibitory rules (<400 ppmvd @ 3% O_2), it exceeds the permitted limit.

ATC #N-2697-7-0, Condition #26 (and its implementing NSR Rule 2201; boiler prohibitory Rules 4305 and 4306; and Operating Permits Rule 2520) provides that source testing must be conducted on the auxiliary boiler before the end of the commissioning period of the gas turbine system. Source testing will be performed on the gas turbine on or about October 3, 2012, and the commissioning period will end soon after that date. However, the auxiliary boiler will not be in compliance with its permit limits by the end of the gas turbine commissioning period. Because of the inability of the auxiliary boiler to comply with the NOx and CO limits as described above, NCPA seeks to delay the performance of the auxiliary boiler source testing past the end of the gas turbine system commissioning period.

4. Is the equipment or activity subject to this request currently under a District variance? Yes: ___ No: **X** If yes, give the Docket Number, date of the last variance action, final compliance date, and a brief explanation.

5. Have you received a variance for any other equipment or activity at this location within the previous six months? Yes: **X** No: ___ If yes, give the Docket Number(s), date(s), final compliance date, and a brief explanation.

Docket No. N-12-11S was sought by NCPA and granted by the Northern Region Hearing Board on August 1, 2012. The final compliance date is September 30, 2012. The requested relief was a short variance to allow CO emissions in excess of the permit limits during commissioning of the natural gas-fired combustion turbine.

6. Why is it beyond your reasonable control to comply with the rule(s) and/or permit condition(s)?

The Applicant has attempted to comply with the permitted emission limits for the auxiliary boiler, but has not been able to tune or adjust the boiler to achieve compliance. The only alternative would be to not operate the auxiliary boiler. If the source test deadline of Condition 26 is not delayed, the source test will not demonstrate compliance.

.

7. What would be the harm to your business if the variance were not granted? Include business closure, economic losses in dollar amounts, breach of contracts, hardships on customers, employee lay-offs, and similar matters.

Requiring compliance with Condition 15 would make it impossible for NCPA to operate its auxiliary boiler after the commissioning period because the boiler cannot operate in compliance with its permitted CO limit. Without the auxiliary boiler, NCPA cannot utilize the fast-start features of the Siemens combustion turbine and, as a result, the combustion turbine would likely be unable to comply with its hourly and daily CO and NOx emission limits during startup. As a result, NCPA would be prevented from operating its newest, most efficient and lowest-emitting gas turbine power plant, and would be unable to provide the electricity to its members. Nine employees would be laid off.

Additional power would have to be provided from older, less efficient, and higher-emitting power plants in central California or the surrounding area. Therefore, there would not be a corresponding benefit in reducing air contaminants in the San Joaquin Valley if variance relief were not granted.

Requiring compliance with Condition 26 would cause NCPA to perform a source test that would show noncompliance with permit conditions, which would not fulfill the purpose or intent of the source test requirement.

8. When, and under what circumstances, did your company first become aware that it would **not** be in compliance?

NCPA first became aware that it could not simultaneously comply with both the NOx and CO emissions limits in the ATC on or about September 17 when emissions from the auxiliary boiler were tested with a portable analyzer. The vendor attempted to tune and adjust the boiler to bring the emissions into compliance. However, at that time it was determined through testing that the auxiliary boiler could comply with either the CO or the NOx limit, but not both limits at the same time.

Although the boiler vendor will be providing new parts in an attempt to meet the permitted limits, the new parts will not be available for approximately three weeks (October 3). The gas turbine source test is scheduled for October 3 and the auxiliary boiler source test is scheduled for October 4. The gas turbine system commissioning period will end soon thereafter. Therefore, installation of the new auxiliary boiler burner components and compliance source testing of the auxiliary boiler cannot be completed by the end of the turbine commissioning period.

Further, NCPA is not confident that the new parts will solve the problem. If they do not, NCPA will need to seek a permit amendment.

9. What actions have you taken since that time to achieve compliance?

NCPA and its vendor have attempted to tune the boiler to achieve the 50 ppmc CO limit while maintaining compliance with the 7.0 ppmc NOx limit without success. NCPA's vendor will install new parts in an attempt to comply with the permit limits but is not confident of success. NCPA will seek a permit amendment to raise the CO limit for the auxiliary boiler. However, both the District ATC and the California Energy Commission license must be amended, and the amendment process is expected to require several months or more to complete.

10. Explain what options have been evaluated towards curtailment or termination of operations in lieu of obtaining a variance.

NCPA's attempts to bring the boiler into compliance with the CO and NOx limits are described above. NCPA has also considered starting up the combustion turbine without the auxiliary boiler; however, curtailing or terminating operation of the auxiliary boiler would make it impossible to utilize the fast-start features of Siemens' "Fast-Start 30" design, resulting in higher NOx and CO emissions from the gas turbine during turbine startup and shutdown. As a result, the gas turbine would be out of compliance with its permitted emission limits. Further, the auxiliary boiler must be in operation to perform the source testing required by Condition 26.

11. Will there be excess emissions (emissions in excess of those allowed by the rules or permit conditions), including hazardous or toxic emissions, during this variance period? Yes: **X** No: ___ If no, explain why there will be no excess emissions and then continue to number 16.

12. Estimate the daily excess emissions on a pounds per day basis or, if applicable, the percent opacity of visible emissions during the variance period.

Pollutant	Permit Limit	Total Estimated Excess Emissions (lbs./day)	Reduction Due to Mitigation (lbs./day)	Net Excess Emissions After Mitigation (lbs./day)
CO	50 ppmvd @ 3% O_2	32.4	--	32.4

Opacity: n/a %

13. Please show all calculations and provide references for emission factors used in estimating excess emissions.

Based on information provided by the engineering design firm, NCPA had assumed a CO emission rate of 50 ppmvd @ 3% O_2 for up to 24 hours per day, with a heat input of . 36.5 MMBtu/hr.
(50 ppm * 8,578 dscf/MMBtu * 28 lb CO/lb-mol * 36.5 MMBtu/hr * 24 hrs/day) ÷ (379/5 dscf/lb-mol * ((20.95 – 3)/20.95)) = 32.4 lb CO/day (see District engineering evaluation page 13). At a CO emission rate of 100 ppmvd @ 3% O_2, daily CO emissions would be twice as high, or 2 * 32.4 lb/day. Excess daily CO emissions are therefore 64.8 lb/day – 32.4 lb/day = 32.4 lb/day.

14. If there are excessive hazardous or toxic emissions, attach a health risk assessment and receptor modeling data.

CO modeling results are attached and indicate no exceedances of the state and federal Ambient Air Quality Standards at the emission rates projected for this variance.

15. Explain how you can reduce or mitigate excess emissions from the subject equipment, other facility equipment (in order to offset excess emissions), or other activity to the maximum extent feasible during the variance period.

NCPA will minimize the operation of the auxiliary boiler and intends to comply with the permitted quarterly CO limits in Condition 20.

16. Can you monitor or quantify emission levels from the subject equipment or activity during the variance period and make such records available to the District?

Yes: **X** No: ___ Provide an explanation of your response.

Although the auxiliary boiler will not be equipped with a continuous emissions monitor, NCPA is required by permit (Condition 37) to monitor and record the stack concentration of NOx, CO and O_2 at least once every month using a portable emissions monitor.

17. How do you intend to achieve compliance with the rule(s) or permit condition(s)? Include a detailed description of any equipment to be installed and/or modifications to be made, a listing of the dates by which the actions will be completed, and an estimate of the total cost, if available.

NCPA is continuing to tune the burner and will have the existing burner replaced in an attempt to meet the existing permit limits.

NCPA also will seek a permit amendment to change the CO limit in Condition 15. An application for permit modification will be submitted to the District by November 1, 2012, and an application for modification to the CEC license condition to the CEC by November 15, 2012. Because the issuance of the revised permits with higher CO limits is beyond the control of NCPA and depends upon the workloads of the District and CEC staffs, a final compliance date of January 1, 2014, can only be estimated at this time.

NCPA estimates that it will cost approximately $8,000 to $10,000 to prepare and submit the applications for modification, and an additional $5,000 in staff resources and consulting consulting fees to complete the permit and license modifications.

18. Please state the dates you are requesting the variance to begin and end (the end date should be the date you expect to achieve compliance with the rules, regulations, and permit conditions).

Begin variance:	October 4, 2012 (planned auxiliary boiler source test date)	End variance:	January 1, 2014, or upon completion of permit and CEC license revisions

19. If a regular variance is to extend over one year, you must attach a Schedule of Increments of Progress which must specify certain dates or milestones to be met in achieving compliance.

Milestones:

October 15, 2012: Replace burner and use portable analyzer to evaluate compliance.

November 1, 2012: Submit application for revised permit to SJVAPCD.

November 15, 2012: Submit application for license revision to CEC.

October 1, 2013: Receive amended permit and license.

October 15, 2013: Perform source test to demonstrate compliance.

December 15, 2013: Submit source test results.

20. Were you issued a Notice of Violation or Notice to Comply concerning the current operation of this equipment or activity? Yes: ___ No: **X** **If yes, please attach a copy of the notice.**

21. Please list the names of any District personnel who are familiar with the facility or with whom facility representatives have had contact concerning this variance petition, or any related Notice of Violation or Notice to Comply.
Jag Kahlon, Permit Services (permit engineer)

22. Have you received any complaints from members of the public regarding the operation of the subject facility, equipment, or related activities within the last six (6) months? Yes: ___ No: **X** **If yes, indicate date(s), nature of complaint(s), and address(s) of complainant(s).**

The undersigned, under penalty of perjury, states that the above petition, including attachments, and the items therein set forth are true and correct.

Date: 9/9/12 **Signature:** [signature]

Title: Compliance Manager

Print Name: Vinnie Venethongkam

for Kevin Cunningham, Combustion Turbine Manager

The original petition in this format, and any attachments must be submitted to the District. Any attachments that are extraordinarily difficult to reproduce, such as full color photographs, must be submitted as six copies. Petitions which are incomplete, illegible, submitted in the wrong format, or without the necessary filing fee will be returned. If you need assistance completing this Petition and/or developing a compliance schedule, contact the Compliance Division in your region.

Summary of CO Modeling Results

Northern California Power Agency Lodi Energy Center

Petition for Variance

Because the auxiliary boiler operates during gas turbine startup, the ambient air quality modeling analysis for CO assumes the following:

- 1-hour averaging period: gas turbine in startup, auxiliary boiler in operation
- 8-hour averaging period: gas turbine in startup for 6 hours (maximum allowed by permit) and at base load for 2 hours; auxiliary boiler in operation

Avg. Prd.	Max Modeled CO Concentration, $\mu g/m^3$	Background Concentration, $\mu g/m^3$	Total Concentration, $\mu g/m^3$	Federal Standard, $\mu g/m^3$	State Standard, $\mu g/m^3$
1 hour	337.9	5,500	5,838	40,000	23,000
8 hours	110.6	2,640	2,751	10,000	10,000

ATTACHMENT A
FDOC CONDITIONS

Permit Unit Requirements N-2697-5-0

Equipment:

294 MW (NOMINAL) COMBINED-CYCLE ELECTRIC GENERATION PLANT CONSISTING OF A SIEMENS INDUSTRIAL FRAME "FLEX PLANT 30" STG6-5000F NATURAL GAS-FIRED TURBINE ENGINE WITH DRY LOW-NOX COMBUSTORS, AN UNFIRED HEAT RECOVERY STEAM GENERATOR SERVED BY A SELECTIVE CATALYTIC REDUCTION WITH AMMONIA INJECTION AND AN OXIDIZATION CATALYST AND A STEAM TURBINE GENERATOR

Conditions:

1. The permittee shall not begin actual on-site construction of the equipment authorized by this Authority to Construct until the lead agency satisfies the requirements of the California Environmental Quality Act (CEQA). [California Environmental Quality Act] N

2. {1830} This Authority to Construct serves as a written certificate of conformity with the procedural requirements of 40 CFR 70.7 and 70.8 and with the compliance requirements of 40 CFR 70.6(c). [District NSR Rule] Y

3. {1831} Prior to operating with modifications authorized by this Authority to Construct, the facility shall submit an application to modify the Title V permit with an administrative amendment in accordance with District Rule 2520 Section 5.3.4. [District Rule 2520, 5.3.4] Y

4. The owner or operator shall notify the District of any breakdown condition as soon as reasonably possible, but no later than one hour after its detection, unless the owner or operator demonstrates to the District's satisfaction that the longer reporting period was necessary. [District Rule 1100] N

5. The District shall be notified in writing within ten days following the correction of any breakdown condition. The breakdown notification shall include a description of the equipment malfunction or failure, the date and cause of the initial failure, the estimated emissions in excess of those allowed, and the methods utilized to restore normal operations. [District Rule 1100] N

6. {98} No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102] N

7. Particulate matter emissions from the gas turbine system shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Y

8. 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 20% opacity. [District Rule 4101] Y

9. APCO or an authorized representative shall be allowed to inspect, as determined to be necessary, the required monitoring devices to ensure that such devices are functioning properly. [District Rule 1080] Y

10. Commissioning activities are defined as, but not limited to, all testing, adjustment, tuning, and calibration activities recommended by the equipment manufacturers and the construction contractor to ensure safe and reliable steady state operation of the gas turbine and associated electrical delivery systems. [District Rule 2201] Y

11. Commissioning period shall commence when all mechanical, electrical, and control systems are installed and individual system startup has been completed, or when a gas turbine is first fired, whichever occurs first. The commissioning period shall terminate when the plant has completed initial source testing, completed final plant tuning, and is available for commercial operation. [District Rule 2201] Y

12. During the commissioning period, the emission rates from the gas turbine system shall not exceed any of the following limits: NOx (as NO2) - 400.00 lb/hr and 4,000 lb/day; VOC (as CH4) - 16.00 lb/hr and 192.0 lb/day; CO - 2,000 lb/hr and 20,000 lb/day; PM10 - 9.00 lb/hr and 108.0 lb/day; or SOx (as SO2) - 6.10 lb/hr and 73.1 lb/day. [District Rule 2201] Y

13. During commissioning period, NOx and CO emissions rate shall be monitored using installed and calibrated CEMS. [District Rule 2201] Y

14. The total mass emissions of NOx, VOC, CO, PM10 and SOx that are emitted during the commissioning period shall accrue towards the quarterly emission limits. [District Rule 2201] Y

15. During commissioning period, the owner or operator shall keep records of the natural gas fuel combusted in the gas turbine system on hourly and daily basis. [District Rule 2201] Y

16. The duration of startup or shutdown period shall not exceed 3.0 hours per event for any type of startup event (hot, warm, or cold). [District Rules 2201 and 4703] Y

17. The combined startup and shutdown duration for all events shall not exceed 6.0 hours during any one day. [District Rule 2201] Y

18. The owner/operator shall maintain records of the date, start-up time, downtime for gas turbine and the steam turbine prior to startup, startup type, minute-by-minute turbine load (MW), and NOx and CO concentrations (ppmvd @ 15% O2) measurement using CEMS, for each startup event in the first 12 months of operation following the end of the commissioning period. [District Rule 2201] Y

19. Within 15 months of the end of the commissioning period, the owner/operator shall submit to the District, the CARB and the EPA proposed new time limits for each type of startup that reflect the effect of "Flex Plant 30" fast start-up technology. The proposed time limits shall be based on the required data collected in the first 12 months of operation following the end of the commissioning period. The submittal must include all CEMS data. [District Rule 2201] Y

20. A margin of compliance of 60 minutes (or less) may be added to the longest startup to establish a startup limit for each type of startup event (hot, warm, or cold). The established startup limit shall not exceed 3.0 hours. [District Rule 2201] Y

21. The District shall administratively establish appropriate startup times for each startup mode (hot, warm, or cold), and associated recordkeeping requirements. [District Rule 2201] Y

22. During all types of operation, including startup (cold, warm and hot) and shutdown periods, ammonia injection into the SCR system shall occur once the minimum temperature at the catalyst face has been reached to ensure NOx emission reductions can occur with a reasonable level of ammonia slip. The minimum catalyst face temperature shall be determined during the final design phase of this project and shall be submitted to the District at least 30 days prior to commencement of construction. [District Rule 2201] Y

23. The District shall administratively add the minimum temperature limitation established pursuant to the above condition in the final Permit to Operate. [District Rule 2201] Y

24. The SCR system shall be equipped with a continuous temperature monitoring system to measure and record the temperature at the catalyst face. [District Rule 2201] Y

25. During start-up and shutdown periods, the emissions shall not exceed any of the following limits: NOx (as NO2) - 160.00 lb/hr; CO - 900.00 lb/hr; VOC (as methane) - 16.00 lb/hr; PM10 - 9.00 lb/hr; SOx (as SO2) - 6.10 lb/hr; or NH3 - 28.76 lb/hr. [District Rule 2201] Y

26. Start-up is defined as the period of time during which a unit is brought from a shutdown status to its operating temperature and pressure, including the time required by the unit's emission control system to reach full operation. [District Rule 4703, 3.29] Y

27. Shutdown is defined as the period of time during which a unit is taken from an operational to a non-operational status ending when the fuel supply to the unit is completely turned off. [District Rule 4703, 3.26] Y

28. The emission control systems shall be in operation and emissions shall be minimized insofar as technologically feasible during startup and shutdown. [District Rule 4703, 5.3.2] Y

29. Except during startup and shutdown periods, emissions from the gas turbine system shall not exceed any of the following limits: NOx (as NO2) - 15.54 lb/hr and 2.0 ppmvd @ 15% O2; CO - 9.46 lb/hr and 2.0 ppmvd @ 15% O2; VOC (as methane) - 3.79 lb/hr and 1.4 ppmvd @ 15% O2; PM10 - 9.0 lb/hr; or SOx (as SO2) - 6.10 lb/hr. NOx (as NO2) emission limits are based on 1-hour rolling average period. All other emission limits are based on 3-hour rolling average period. [District Rules 2201, 4001 and 4703] Y

30. NH3 emissions shall not exceed any of the following limits: 10.0 ppmvd @ 15% O2 over a 24-hour rolling average period and 28.76 lb/hr. [District Rule 2201] Y

31. Each 3-hour rolling average period will be compiled from the three most recent one hour periods. Each one hour period shall commence on the hour. Each one hour period in a twenty-four hour rolling average for ammonia slip will commence on the hour. The twenty-four hour rolling average shall be calculated using the most recent twenty-four one-hour periods. [District Rule 2201] Y

32. Emissions from the gas turbine system, on days when a startup and/or shutdown occurs, shall not exceed the following limits: NOx (as NO2) - 879.7 lb/day; CO - 5,570.3 lb/day; VOC - 164.2 lb/day; PM10 - 216.0 lb/day; SOx (as SO2) - 146.4 lb/day, or NH3 - 690.3 lb/day. Daily emissions shall be compiled for a twenty-four hour period starting and ending at twelve-midnight. [District Rule 2201] Y

33. Emissions from the gas turbine system, on days when a startup and/or shutdown does not occur, shall not exceed the following: NOx (as NO2) - 373.0 lb/day; CO - 227.0 lb/day; VOC - 91.0 lb/day; PM10 - 216.0 lb/day; SOX (as SO2) - 146.4 lb/day, or NH3 - 690.3 lb/day. Daily emissions shall be compiled for a twenty-four hour period starting and ending at twelve-midnight. [District Rule 2201] Y

34. Gas turbine system shall be fired on PUC-regulated natural gas with a sulfur content of no greater than 1.0 grain of sulfur compounds (as S) per 100 dscf of natural gas. [District Rule 2201 and 40 CFR 60.4330(a)(2)] Y

35. NOx (as NO2) emissions from the gas turbine system shall not exceed any of the following: 1st quarter: 38,038 lb; 2nd quarter: 38,411 lb; 3rd quarter: 37,126 lb; 4th quarter: 37,840 lb. [District Rule 2201] Y

36. CO emissions from the gas turbine system shall not exceed any of the following: 1st quarter: 142,312 lb; 2nd quarter: 142,539 lb; 3rd quarter: 86,374 lb; 4th quarter: 113,660 lb. [District Rule 2201] Y

37. VOC emissions from the gas turbine system shall not exceed any of the following: 1st quarter: 8,086 lb; 2nd quarter: 8,177 lb; 3rd quarter: 8,417 lb; 4th quarter: 8,323 lb. [District Rule 2201] Y

38. NH3 emissions from the SCR system shall not exceed any of the following: 1st quarter: 62,122 lb; 2nd quarter: 62,812 lb; 3rd quarter: 63,502 lb; 4th quarter: 63,502 lb. [District Rule] Y

39. PM10 emissions from the gas turbine system shall not exceed any of the following: 1st quarter: 19,440 lb; 2nd quarter: 19,656 lb; 3rd quarter: 19,872 lb; 4th quarter: 19,872 lb. [District Rule 2201] Y

40. SOx (as SO2) emissions from the gas turbine system shall not exceed any of the following: 1st quarter: 13,176 lb; 2nd quarter: 13,322 lb; 3rd quarter: 13,469 lb; 4th quarter: 13,469 lb. [District Rule 2201] Y

41. The total CO emissions from the gas turbine system (N-2697-5) and the auxiliary boiler (N-2697-7) shall not exceed 198,000 pounds in any 12-consecutive month rolling period. [District Rule 2201] Y

42. A selective catalytic reduction (SCR) system and an oxidation catalyst shall serve the gas turbine system. [District Rule 2201] Y

43. The gas turbine engine and generator lube oil vents shall be equipped with mist eliminators or equivalent technology sufficient to limit the visible emissions from the lube oil vents to not exceed 5% opacity, except for a period not exceeding three minutes in any one hour. [District Rule 2201] Y

44. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified at least 30 days prior to any compliance source test, and a source test plan must be submitted for approval at least 15 days prior to testing. [District Rule 1081] Y

45. Source testing shall be witnessed or authorized by District personnel and samples shall be collected by a California Air Resources Board (CARB) certified testing laboratory or a CARB certified source testing firm. [District Rule 1081] Y

46. Source testing to measure startup and shutdown NOx, CO, and VOC mass emission rates shall be conducted before the end of the commissioning period and at least once every seven years thereafter. CEM relative accuracy for NOx and CO shall be determined during startup and shutdown source testing in accordance with 40 CFR 60, Appendix F (Relative Accuracy Audit). If CEM data is not certifiable to determine compliance with NOX and CO startup emission limits, then startup and shutdown NOx and CO testing shall be conducted every 12 months. If an annual startup and shutdown NOx and CO relative accuracy audit demonstrates that the CEM data is certifiable, the startup and shutdown NOx and CO testing frequency shall return to the once every seven years schedule. [District Rule 1081] Y

47. Source testing to determine compliance with the NOx, CO, VOC and NH3 emission rates (lb/hr and ppmvd @ 15% O2) and PM10 emission rate (lb/hr) shall be conducted before the end of commissioning period and at least once every 12 months thereafter. [District Rules 2201 and 4703, 40 CFR 60.4400(a)] Y

48. The sulfur content of each fuel source shall be: (i) documented in a valid purchase contract, a supplier certification, a tariff sheet or transportation contract, or (ii) monitored within 60 days after the end of commissioning period and weekly thereafter. If the sulfur content is less than or equal to 1.0 gr/100 dscf for eight consecutive weeks, then the monitoring frequency shall be every six months. If the result of any six month monitoring demonstrates that the fuel does not meet the fuel sulfur content limit, weekly monitoring shall resume until compliance is demonstrated for eight consecutive weeks. [District Rule 2201 and 40 CFR 60.4360, 60.4365(a) and 60.4370(c)] Y

49. The following test methods shall be used: NOx - EPA Method 7E or 20 or CARB Method 100; CO - EPA Method 10 or 10B or CARB Method 100; VOC - EPA Method 18 or 25; PM10 - EPA Method 5 (front half and back half) or 201 and 202a; ammonia - BAAQMD ST-1B; and O2 - EPA Method 3, 3A, or 20 or CARB Method 100. EPA approved alternative test methods as approved by the District may also be used to address the source testing requirements of this permit. [District Rules 1081 and 4703, 40 CFR 60.4400(1)(i)] Y

50. Fuel sulfur content shall be monitored using one of the following methods: ASTM Methods D1072, D3246, D4084, D4468, D4810, D6228, D6667 or Gas Processors Association Standard 2377. [40 CFR 60.4415(a)(1)(i)] Y

51. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081] Y

52. A non-resettable, totalizing mass or volumetric fuel flow meter to measure the amount of natural gas combusted in the unit shall be installed, utilized and maintained. [District Rules 2201 and 4703] Y

53. The owner or operator shall install, certify, maintain, operate and quality-assure a Continuous Emission Monitoring System (CEMS) which continuously measures and records the exhaust gas NOx, CO and O2 concentrations. Continuous emissions monitor(s) shall monitor emissions during all types of operation, including during startup and shutdown periods, provided the CEMS passes the relative accuracy requirement for startups and shutdowns specified herein. If relative accuracy of CEMS cannot be demonstrated during startup conditions, CEMS results during startup and shutdown events shall be replaced with startup emission rates obtained from source testing to determine compliance with emission limits contained in this document. [District Rules 1080, 2201 and 4703, 40 CFR 60.4340(b)(1) and 40 CFR 60.4345(a)] Y

54. The NOx and O2 CEMS shall be installed and certified in accordance with the requirements of 40 CFR Part 75. The CO CEMS shall meet the requirements in 40 CFR 60, Appendix F Procedure 1 and Part 60, Appendix B Performance Specification 4A (PS 4A), or shall meet equivalent specifications established by mutual agreement of the District, the CARB, and the EPA. [District Rule 1080 and 40 CFR 60.4345(a)] Y

55. The CEMS shall complete a minimum of one cycle of operation (sampling, analyzing, and data recording) for each 15-minute quadrant of the hour or shall meet equivalent specifications established by mutual agreement of the District, the CARB and the EPA. [District Rule 1080 and 40 CFR 60.4345(b)] Y

56. The CEMS data shall be reduced to hourly averages as specified in §60.13(h) and in accordance with §60.4350, or by other methods deemed equivalent by mutual agreement with the District, the CARB, and the EPA. [District Rule 1080 and 40 CFR 60.4350] Y

57. In accordance with 40 CFR Part 60, Appendix F, 5.1, the CO CEMS must be audited at least once each calendar quarter, by conducting cylinder gas audits (CGA) or relative accuracy audits (RAA). CGA or RAA may be conducted three of four calendar quarters, but no more than three calendar quarters in succession. Audit reports shall be submitted along with quarterly compliance reports to the District. [District Rule 1080] Y

58. The owner/operator shall perform a RATA for CO as specified by 40 CFR Part 60, Appendix F, 5.1.1, at least once every four calendar quarters. The permittee shall comply with the applicable requirements for quality assurance testing and maintenance of the continuous emission monitor equipment in accordance with the procedures and guidance specified in 40 CFR Part 60, Appendix F. [District Rule 1080] Y

59. The NOx and O2 CEMS shall be audited in accordance with the applicable requirements of 40 CFR Part 75. Linearity reports shall be submitted along with quarterly compliance reports to the District. [District Rule 1080] Y

60. Upon written notice from the District, the owner or operator shall provide a summary of the data obtained from the CEMS. This summary shall be in the form and the manner prescribed by the District. [District Rule 1080] Y

61. The facility shall install and maintain equipment, facilities, and systems compatible with the District's CEMS data polling software system and shall make CEMS data available to the District's automated polling system on a daily basis. Upon notice by the District that the facility's CEMS is not providing polling data, the facility may continue to operate without providing automated data for a maximum of 30 days per calendar year provided the CEMS data is sent to the District by a District-approved alternative method. [District Rule 1080] Y

62. The owner or operator shall maintain the following records: the date, time and duration of any malfunction of the continuous monitoring equipment; dates of performance testing; dates of evaluations, calibrations, checks, and adjustments of the continuous monitoring equipment; date and time period which a continuous monitoring system or monitoring device was inoperative. [District Rules 1080 and 2201 and 40 CFR 60.7(b)] Y

63. The exhaust stack shall be equipped with permanent provisions to allow collection of stack gas samples consistent with EPA test methods and shall be equipped with safe permanent provisions to sample stack gases with a portable NOx, CO, and O2 analyzer during District inspections. The sampling ports shall be located in accordance with the CARB regulation titled California Air Resources Board Air Monitoring Quality Assurance Volume VI, Standard Operating Procedures for Stationary Emission Monitoring and Testing. [District Rule 1081] Y

64. Monitor Downtime is defined as any unit operating hour in which the data for NOx, O2 concentrations is either missing or invalid. [40 CFR 60.4380(b)(2)] Y

65. The owner or operator shall maintain records of the following items: (1) hourly and daily emissions, in pounds, for each pollutant listed in this permit on the days startup and or shutdown of the gas turbine system occurs, (2) hourly and daily emissions, in pounds, for each pollutant in this permit on the days startup and or shutdown of the gas turbine system does not occur, (3) quarterly emissions, in pounds, for each pollutant listed in this permit, and (4) the combined CO emissions (12 consecutive month rolling total) , in pounds, for permit unit N-2697-5 and N-2697-7. [District Rule 2201] Y

66. The owner or operator shall maintain a stationary gas turbine system operating log that includes, on a daily basis, the actual local startup and stop time, total hours of operation, the type and quantity of fuel used, mode of start-up (cold, warm, or hot), duration of each start-up, and duration of each shutdown. [District Rule 2201 and 4703, 6.26, 6.28, 6.2.11] Y

67. The owner or operator shall maintain all records of required monitoring data and support information for a period of five years from the date of data entry and shall make such records available to the District upon request. [District Rules 2201 and 4703, 6.2.4] Y

68. The owner or operator shall submit a written report of CEM operations for each calendar quarter to the District. The report is due on the 30th day following the end of the calendar quarter and shall include the following: Date, time intervals, data and magnitude of excess NOx emissions, nature and the cause of excess (if known), corrective actions taken and preventive measures adopted; Averaging period used for data reporting corresponding to the averaging period specified in the emission test period used to determine compliance with an emission standard; Applicable time and date of each period during which the CEM was inoperative, except for zero and span checks, and the nature of system repairs and adjustments; A negative declaration when no excess emissions occurred. [District Rule 1080 and 40 CFR 60.4375(a) and 60.4395] Y

69. The owner or operator shall submit to the District information correlating the NOx control system operating parameters to the associated measured NOx output. The information must be sufficient to allow the District to determine compliance with the NOx emission limits of this permit when the CEMS is not operating properly. [District Rule 4703, 6.2.5] Y

70. Prior to operating under ATCs N-2697-5-0 and N-2697-7-0, the permittee shall mitigate the following quantities of NOx: 1st quarter: 38,348 lb, 2nd quarter: 38,721 lb, 3rd quarter: 37,436 lb, and 4th quarter: 38,150 lb. Offsets shall be provided at the applicable offset ratio specified in Table 4-2 of Rule 2201 (as amended 9/21/06). [District Rule 2201] Y

71. NOx ERCs S-2857-2, S-2848-2, S-2849-2, S-2850-2, S-2851-2, S-2852-2, S-2854-2, S-2855-2, C-915-2, C-916-2, C-914-2, N-755-2, N-754-2, S-2894-2 and S-2895-2 (or a certificate split from any of these certificates) shall be used to supply the required NOx offsets, unless a revised offsetting proposal is received and approved by the District. Following the revisions, this Authority to Construct permit shall be re-issued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to re-issuance of this Authority to Construct permit. [District Rule 2201] Y

72. Prior to operating under ATCs N-2697-5-0 and N-2697-7-0, the permittee shall mitigate the following quantities of VOC: 1st quarter: 8,240 lb, 2nd quarter: 8,331 lb, 3rd quarter: 8,571 lb, and 4th quarter: 8,477 lb. Offsets shall be provided at the applicable offset ratio specified in Table 4-2 of Rule 2201 (as amended 9/21/06). [District Rule 2201] Y

73. VOC ERC S-2860-1, and NOx ERCs S-2857-2, S-2848-2, S-2849-2, S-2850-2, S-2851-2, S-2852-2, S-2854-2, S-2855-2, C-915-2, C-916-2, C-914-2, N-755-2, N-754-2, S-2894-2 and S-2895-2 (or a certificate split from any of these certificates) shall be used to supply the required VOC offsets, unless a revised offsetting proposal is received and approved by the District. Following the revisions, this Authority to Construct permit shall be re-issued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to re-issuance of this Authority to Construct permit. [District Rule 2201] Y

74. The District has authorized to use NOx reductions to overcome shortfall in the amount of VOC offsets at NOx/VOC interpollutant offset ratio of 1.00. [District Rule 2201] Y

75. Prior to operating under ATCs N-2697-5-0 and N-2697-7-0, the permittee shall mitigate the following quantities of SOx: 1st quarter: 2,668 lb, 2nd quarter: 2,668 lb, 3rd quarter: 2,668 lb, and 4th quarter: 2,668 lb. Offsets shall be provided at the applicable offset ratio specified in Table 4-2 of Rule 2201 (as amended 9/21/06). [District Rule 2201] Y

76. SOx ERCs S-2843-5, S-2845-5, S-2858-5, N-759-5, N-758-5, S-2846-5 and N-757-5 (or a certificate split from any of these certificates) shall be used to supply the required SOx offsets, unless a revised offsetting proposal is received and approved by the District. Following the revisions, this Authority to Construct permit shall be re-issued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to re-issuance of this Authority to Construct permit. [District Rule 2201] Y

77. Prior to operating under ATCs N-2697-5-0, N-2697-6-0 and N-2697-7-0, the permittee shall mitigate the following quantities of PM10: 1st quarter: 19,112 lb, 2nd quarter: 19,112 lb, 3rd quarter: 19,112 lb, and 4th quarter: 19,112 lb. Offsets shall be provided at the applicable offset ratio specified in Table 4-2 of Rule 2201 (as amended 9/21/06). [District Rule 2201] Y

78. PM10 ERCs S-2844-4, C-911-4, N-756-4, C-913-4, C-912-4, and SOx ERCs S-2843-5, S-2845-5, S-2858-5, N-759-5, N-758-5, S-2846-5 and N-757-5 (or a certificate split from any of these certificates) shall be used to supply the required PM10 offsets, unless a revised offsetting proposal is received and approved by the District. Following the revisions, this Authority to Construct permit shall be re-issued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to re-issuance of this Authority to Construct permit. [District Rule 2201] Y

79. The District has authorized to use SOx reductions to overcome shortfall in the amount of PM10 offsets at SOx/PM10 interpollutant offset ratio of 1.00. [District Rule 2201] Y

80. Disturbances of soil related to any construction, demolition, excavation, extraction, or other earthmoving activities shall comply with the requirements for fugitive dust control in District Rule 8021 unless specifically exempted under Section 4.0 of Rule 8021 or Rule 8011. [District Rules 8011 and 8021] Y

81. An owner/operator shall submit a Dust Control Plan to the APCO prior to the start of any construction activity on any site that will include 10 acres or more of disturbed surface area for residential developments, or 5 acres or more of disturbed surface area for non-residential development, or will include moving, depositing, or relocating more than 2,500 cubic yards per day of bulk materials on at least three days. [District Rules 8011 and 8021] Y

82. An owner/operator shall prevent or cleanup any carryout or trackout in accordance with the requirements of District Rule 8041 Section 5.0, unless specifically exempted under Section 4.0 of Rule 8041 or Rule 8011. [District Rules 8011 and 8021] Y

83. Whenever open areas are disturbed, or vehicles are used in open areas, the facility shall comply with the requirements of Section 5.0 of District Rule 8051, unless specifically exempted under Section 4.0 of Rule 8051 or Rule 8011. [District Rules 8011 and 8051] Y

84. Any paved road or unpaved road shall comply with the requirements of District Rule 8061 unless specifically exempted under Section 4.0 of Rule 8061 or Rule 8011. [District Rules 8011 and 8061] Y

85. Water, gravel, roadmix, or chemical/organic dust stabilizers/suppressants, vegetative materials, or other District-approved control measure shall be applied to unpaved vehicle travel areas as required to limit Visible Dust Emissions to 20% opacity and comply with the requirements for a stabilized unpaved road as defined in Section 3.59 of District Rule 8011. [District Rule 8011 and 8071] Y

86. Where dusting materials are allowed to accumulate on paved surfaces, the accumulation shall be removed daily or water and/or chemical/organic dust stabilizers/suppressants shall be applied to the paved surface as required to maintain continuous compliance with the requirements for a stabilized unpaved road as defined in Section 3.59 of District Rule 8011 and limit Visible Dust Emissions (VDE) to 20% opacity. [District Rule 8011 and 8071] Y

87. On each day that 50 or more Vehicle Daily Trips or 25 or more Vehicle Daily Trips with 3 axles or more will occur on an unpaved vehicle/equipment traffic area, permittee shall apply water, gravel, roadmix, or chemical/organic dust stabilizers/suppressants, vegetative materials, or other District-approved control measure as required to limit Visible Dust Emissions to 20% opacity and comply with the requirements for a stabilized unpaved road as defined in Section 3.59 of District Rule 8011. [District Rule 8011 and 8071] Y

88. Whenever any portion of the site becomes inactive, Permittee shall restrict access and periodically stabilize any disturbed surface to comply with the conditions for a stabilized surface as defined in Section 3.58 of District Rule 8011. [District Rules 8011 and 8071] Y

89. Records and other supporting documentation shall be maintained as required to demonstrate compliance with the requirements of the rules under Regulation VIII only for those days that a control measure was implemented. Such records shall include the type of control measure(s) used, the location and extent of coverage, and the date, amount, and frequency of application of dust suppressant, manufacturer's dust suppressant product information sheet that identifies the name of the dust suppressant and application instructions. Records shall be kept for one year following project completion that results in the termination of all dust generating activities. [District Rules 8011, 8031 and 8071] Y

90. The owners and operators of each affected source and each affected unit at the source shall have an Acid Rain permit and operate in compliance with all permit requirements. [40 CFR 72] Y

91. The owners and operators and, to the extent applicable, designated representative of each affected source and each affected unit at the source shall comply with the monitoring requirements as provided in 40 CFR part 75. [40 CFR 75] Y

92. The emissions measurements recorded and reported in accordance with 40 CFR part 75 shall be used to determine compliance by the unit with the Acid Rain emissions limitations and emissions reduction requirements for sulfur dioxide and nitrogen oxides under the Acid Rain Program. [40 CFR 75] Y

93. The owners and operators of each source and each affected unit at the source shall: (i) Hold allowances, as of the allowance transfer deadline, in the unit's compliance subaccount (after deductions under 40 CFR 73.34(c)) not less than the total annual emissions of sulfur dioxide for the previous calendar year from the unit; and (ii) Comply with the applicable Acid Rain emissions limitations for sulfur dioxide. [40 CFR 73] Y

94. Each ton of sulfur dioxide emitted in excess of the Acid Rain emissions limitations for sulfur dioxide shall constitute a separate violation of the Act. [40 CFR 77] Y

95. Allowances shall be held in, deducted from, or transferred among Allowance Tracking System accounts in accordance with the Acid Rain Program. [40 CFR 72] Y

96. An allowance shall not be deducted in order to comply with the requirements under 40 CFR part 73, prior to the calendar year for which the allowance was allocated. [40 CFR 73] Y

97. An allowance allocated by the Administrator under the Acid Rain Program is a limited authorization to emit sulfur dioxide in accordance with the Acid Rain Program. No provision of the Acid Rain Program, the Acid Rain permit application, the Acid Rain permit, or the written exemption under 40 CFR 72.7 and 72.8 and no provision of law shall be construed to limit the authority of the United States to terminate or limit such authorization. [40 CFR 72] Y

98. An allowance allocated by the Administrator under the Acid Rain Program does not constitute a property right. [40 CFR 72] Y

99. The designated representative of an affected unit that has excess emissions in any calendar year shall submit a proposed offset plan, as required under 40 CFR part 77. [40 CFR 77] Y

100. The owners and operators of an affected unit that has excess emissions in any calendar year shall: (i) Pay without demand the penalty required, and pay up on demand the interest on that penalty; and (ii) Comply with the terms of an approved offset plan, as required by 40 CFR part 77. [40 CFR 77] Y

101. The owners and operators of the each affected unit at the source shall keep on site the following documents for a period of five years from the date the document is created. This period may be extended for cause, at any time prior to the end of five years, in writing by the Administrator or permitting authority: (i) The certificate of representation for the designated representative for the source and all documents that demonstrate the truth of the statements in the certificate of representation, in accordance with 40 CFR 72.24; provided that the certificate and documents shall be retained on site beyond such five-year period until such documents are superceded because of the submission of a new certificate of representation changing the designated representative. [40 CFR 72] Y

102. The owners and operators of each affected unit at the source shall keep on site each of the following documents for a period of five years from the date the document is created. This period may be extended for cause, at any time prior to the end of five years, in writing by the Administrator or permitting authority; (ii) All emissions monitoring information, in accordance with 40 CFR part 75; (iii) Copies of all reports, compliance certifications and other submissions and all records made or required under the Acid Rain Program; (iv) Copies of all documents used to complete an Acid Rain permit application and any other submission that demonstrates compliance with the requirements of the Acid Rain Program. [40 CFR 75] Y

103. The designated representative of an affected source and each affected unit at the source shall submit the reports and compliance certifications required under the Acid Rain Program, including those under 40 CFR 75 Subpart I. [40 CFR 75] Y

Permit Unit Requirements N-2697-6-0

Equipment Description:

69,000 GALLONS PER MINUTE COOLING TOWER WITH SEVEN CELLS SERVED BY HIGH EFFICIENCY DRIFT ELIMINATORS

Conditions:

1. The permittee shall not begin actual onsite construction of the equipment authorized by this Authority to Construct until the lead agency satisfies the requirements of the California Environmental Quality Act (CEQA). [California Environmental Quality Act] N

2. {1830} This Authority to Construct serves as a written certificate of conformity with the procedural requirements of 40 CFR 70.7 and 70.8 and with the compliance requirements of 40 CFR 70.6(c). [District NSR Rule] Y

3. {1831} Prior to operating with modifications authorized by this Authority to Construct, the facility shall submit an application to modify the Title V permit with an administrative amendment in accordance with District Rule 2520 Section 5.3.4. [District Rule 2520, 5.3.4] Y

4. {98} No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102] N

5. The owner or operator shall notify the District of any breakdown condition as soon as reasonably possible, but no later than one hour after its detection, unless the owner or operator demonstrates to the District's satisfaction that the longer reporting period was necessary. [District Rule 1100] N

6. The District shall be notified in writing within ten days following the correction of any breakdown condition. The breakdown notification shall include a description of the equipment malfunction or failure, the date and cause of the initial failure, the estimated emissions in excess of those allowed, and the methods utilized to restore normal operations. [District Rule 1100] N

7. 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 20% opacity. [District Rule 4101] Y

8. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Y

9. No hexavalent chromium containing compounds shall be added to cooling tower circulating water. [District Rule 7012] Y

10. The drift rate shall not exceed 0.0005%. [District Rule 2201] Y

11. PM10 emissions shall not exceed 22.4 pounds per day. [District Rule 2201] Y

12. Compliance with the PM10 emission limit (lb/day) shall be demonstrated by using the following equation: Water Recirculation Rate (gal/day) x 8.34 lb/gal x Total Dissolved Solids Concentration in the blowdown water (ppm x 10E-06) x Design Drift Rate (%). [District Rule 2201] Y

13. Compliance with PM10 emission limit shall be determined by blowdown water sample analysis by independent laboratory within 60 days after the end of commissioning period of the gas turbine system and at least once quarterly thereafter. [District Rules 2201 and 1081] Y

14. Prior to operating under ATCs N-2697-5-0, N-2697-6-0 and N-2697-7-0, the permittee shall mitigate the following quantities of PM10: 1st quarter: 19,112 lb, 2nd quarter: 19,112 lb, 3rd quarter: 19,112 lb, and 4th quarter: 19,112 lb. Offsets shall be provided at the applicable offset ratio specified in Table 4-2 of Rule 2201 (as amended 9/21/06). [District Rule 2201] Y

15. PM10 ERCs S-2844-4, C-911-4, N-756-4, C-913-4, C-912-4, and SOx ERCs S-2843-5, S-2845-5, S-2858-5, N-759-5, N-758-5, S-2846-5 and N-757-5 (or a certificate split from any of these certificates) shall be used to supply the required PM10 offsets, unless a revised offsetting proposal is received and approved by the District. Following the revisions, this Authority to Construct permit shall be re-issued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to re-issuance of this Authority to Construct permit. [District Rule 2201] Y

16. The District has authorized to use SOx reductions to overcome shortfall in the amount of PM10 offsets at SOx/PM10 interpollutant offset ratio of 1.00. [District Rule 2201] Y

Permit Unit Requirements N-2697-7-0

Equipment Description:

36.5 MMBTU/HR RENTECH BOILER SYSTEMS INC "D" TYPE BOILER EQUIPPED WITH A TODD/COEN RMB ULTRA LOW-NOX BURNER (PART OF SIEMENS' "FLEX-PLANT 30" SYSTEM)

Conditions:

1. The permittee shall not begin actual onsite construction of the equipment authorized by this Authority to Construct until the lead agency satisfies the requirements of the California Environmental Quality Act (CEQA). [California Environmental Quality Act] N

2. {1830} This Authority to Construct serves as a written certificate of conformity with the procedural requirements of 40 CFR 70.7 and 70.8 and with the compliance requirements of 40 CFR 70.6(c). [District NSR Rule] Y

3. {1831} Prior to operating with modifications authorized by this Authority to Construct, the facility shall submit an application to modify the Title V permit with an administrative amendment in accordance with District Rule 2520 Section 5.3.4. [District Rule 2520, 5.3.4] Y

4. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 2201] Y

5. {98} No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102] N

6. 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 20% opacity. [District Rule 4101] Y

7. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Y

8. The unit shall only be fired on PUC-regulated natural gas. [District Rules 2201 and 4320] Y

9. A non-resettable, totalizing mass or volumetric fuel flow meter to measure the amount of natural gas combusted in the unit shall be installed, utilized and maintained. [District Rule 2201, 40 CFR60.48(c)(g)] Y

10. The total mass emissions of NOx, VOC, CO, PM10 and SOx that are emitted during the commissioning period shall accrue towards the quarterly emission limits. [District Rule 2201] Y

11. During commissioning period, the owner or operator shall keep records of the natural gas fuel combusted in the boiler on daily basis. [District Rule 2201] Y

12. The owner or operator shall notify the District of any breakdown condition as soon as reasonably possible, but no later than one hour after its detection, unless the owner or operator demonstrates to the District's satisfaction that the longer reporting period was necessary. [District Rule 1100] N

13. The District shall be notified in writing within ten days following the correction of any breakdown condition. The breakdown notification shall include a description of the equipment malfunction or failure, the date and cause of the initial failure, the estimated emissions in excess of those allowed, and the methods utilized to restore normal operations. [District Rule 1100] N

14. NOx (as NO2) emissions shall not exceed 7.0 ppmvd @ 3% O2. [District Rules 2201, 4305, 4306 and 4320] Y

15. CO emissions shall not exceed 50 ppmvd @ 3% O2. [District Rules 2201, 4305, 4306 and 4320] Y

16. VOC (as CH4) emissions shall not exceed 10.0 ppmvd @ 3% O2. [District Rule 2201] Y

17. PM10 emissions shall not exceed 0.0076 lb/MMBtu. [District Rule 2201] Y

18. SOx emissions shall not exceed 0.00285 lb/MMBtu. [District Rule 2201] Y

19. NOx (as NO2) emissions from this unit shall not exceed any of the following: 1st quarter: 310 lb; 2nd quarter: 310 lb; 3rd quarter: 310 lb; 4th quarter: 310 lb. [District Rule 2201] Y

20. CO emissions from this unit shall not exceed any of the following: 1st quarter: 1,348 lb; 2nd quarter: 1,348 lb; 3rd quarter: 1,348 lb; 4th quarter: 1,348 lb. [District Rule 2201] Y

21. VOC emissions from this unit shall not exceed any of the following: 1st quarter: 154 lb; 2nd quarter: 154 lb; 3rd quarter: 154 lb; 4th quarter: 154 lb. [District Rule 2201] Y

22. PM10 emissions from this unit shall not exceed any of the following: 1st quarter: 277 lb; 2nd quarter: 277 lb; 3rd quarter: 277 lb; 4th quarter: 277 lb. [District Rule 2201] Y

23. SOx (as SO2) emissions from this unit shall not exceed any of the following: 1st quarter: 104 lb; 2nd quarter: 104 lb; 3rd quarter: 104 lb; 4th quarter: 104 lb. [District Rule 2201] Y

24. The total CO emissions from the gas turbine system (N-2697-5) and the auxiliary boiler (N-2697-7) shall not exceed 198,000 pounds in any 12-consecutive month rolling period. [District Rule 2201] Y

25. All emissions measurements shall be made with the unit operating either at conditions representative of normal operations or conditions specified in the Permit to Operate. No determination of compliance shall be established within two hours after a continuous period in which fuel flow to the unit is shut off for 30 minutes or longer, or within 30 minutes after a re-ignition as defined in Section 3.0 of District Rule 4306. [District Rules 4305 and 4306] Y

26. Source testing to measure NOx and CO emissions from this unit while fired on natural gas shall be conducted before the end of commissioning period of the gas turbine system. [District Rules 2201, 4305 and 4306] Y

27. Source testing to measure NOx and CO emissions from this unit while fired on natural gas shall be conducted at least once every twelve (12) months. After demonstrating compliance on two (2) consecutive annual source tests, the unit shall be tested not less than once every thirty-six (36) months. If the result of the 36-month source test demonstrates that the unit does not meet the applicable emission limits, the source testing frequency shall revert to at least once every twelve (12) months. [District Rules 4305, 4306 and 4320] Y

28. The source test plan shall identify which basis (ppmv or lb/MMBtu) will be used to demonstrate compliance. [District Rules 4305 and 4306] Y

29. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified at least 30 days prior to any compliance source test, and a source test plan must be submitted for approval at least 15 days prior to testing. [District Rule 1081] Y

30. NOx emissions for source test purposes shall be determined using EPA Method 7E or CARB Method 100 on a ppmv basis, or EPA Method 19 on a heat input basis. [District Rules 4305, 4306 and 4320] Y

31. CO emissions for source test purposes shall be determined using EPA Method 10 or CARB Method 100. [District Rules 4305, 4306 and 4320] Y

32. Stack gas oxygen (O2) shall be determined using EPA Method 3 or 3A or CARB Method 100. [District Rules 4305, 4306 and 4320] Y

33. For emissions source testing, the arithmetic average of three 30-consecutive-minute test runs shall apply. If two of three runs are above an applicable limit the test cannot be used to demonstrate compliance with an applicable limit. [District Rules 4305, 4306 and 4320] Y

34. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081] Y

35. The owner or operator shall submit an analysis showing the fuel's sulfur content at least once every year. Valid purchase contracts, supplier certifications, tariff sheets, or transportation contacts may be used to satisfy this requirement, provided they establish the fuel's sulfur content. [District Rule 4320] N

36. Fuel sulfur content shall be determined using EPA Method 11 or EPA Method 15 or District, CARB and EPA approved alternative methods. [District Rule 4320] N

37. The permittee shall monitor and record the stack concentration of NOx, CO, and O2 at least once every month (in which a source test is not performed) using a portable emission monitor that meets District specifications given in District Policy SSP-1105. Monitoring shall not be required if the unit is not in operation, i.e. the unit need not be started solely to perform monitoring. Monitoring shall be performed within 5 days of restarting the unit unless monitoring has been performed within the last month. [District Rules 4305, 4306 and 4320] Y

38. If either the NOx or CO concentrations corrected to 3% O2, as measured by the portable analyzer, exceed the allowable emissions concentration, the permittee shall return the emissions to within the acceptable range as soon as possible, but no longer than 1 hour of operation after detection. If the portable analyzer readings continue to exceed the allowable emissions concentration after 1 hour of operation after detection, the permittee shall notify the District within the following 1 hour and conduct a certified source test within 60 days of the first exceedance. In lieu of conducting a source test, the permittee may stipulate a violation has occurred, subject to enforcement action. The permittee must then correct the violation, show compliance has been re-established, and resume monitoring procedures. If the deviations are the result of a qualifying breakdown condition pursuant to Rule 1100, the permittee may fully comply with Rule 1100 in lieu of the performing the notification and testing required by this condition. [District Rules 4305, 4306 and 4320] Y

39. All alternate monitoring parameter emission readings shall be taken with the unit operating either at conditions representative of normal operations or conditions specified in the Permit to Operate. The analyzer shall be calibrated, maintained, and operated in accordance with the manufacturer's specifications and recommendations or a protocol approved by the APCO. Emission readings taken shall be averaged over a 15 consecutive-minute period by either taking a cumulative 15 consecutive-minute sample reading or by taking at least five (5) readings, evenly spaced out over the 15 consecutive-minute period. [District Rules 4305, 4306 and 4320] Y

40. The permittee shall maintain records of: (1) the date and time of NOx, CO, and O2 measurements, (2) the O2 concentration in percent and the measured NOx and CO concentrations corrected to 3% O2, (3) make and model of exhaust gas analyzer, (4) exhaust gas analyzer calibration records, and (5) a description of any corrective action taken to maintain the emissions within the acceptable range. [District Rules 4305, 4306 and 4320] Y

41. The permittee shall maintain daily records of the type and quantity of fuel combusted by the boiler. [District Rule 2201, 40 CFR 60.48(c)(g)] Y

42. The permittee shall maintain records of: (1) the date, (2) heat input rate, MMBtu/day, (3) daily emissions, in pounds, for each pollutant listed in this permit, (4) quarterly emissions, in pounds, for each pollutant listed in this permit, and the combined CO emissions (12 consecutive month rolling total), in pounds, for permit unit N-2697-5 and N-2697-7. [District Rule 2201] Y

43. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 1070, 4305, 4306 and 4320] Y

44. Prior to operating under ATCs N-2697-5-0 and N-2697-7-0, the permittee shall mitigate the following quantities of NOx: 1st quarter: 38,348 lb, 2nd quarter: 38,721 lb, 3rd quarter: 37,436 lb, and 4th quarter: 38,150 lb. Offsets shall be provided at the applicable offset ratio specified in Table 4-2 of Rule 2201 (as amended 9/21/06). [District Rule 2201] Y

45. NOx ERCs S-2857-2, S-2848-2, S-2849-2, S-2850-2, S-2851-2, S-2852-2, S-2854-2, S-2855-2, C-915-2, C-916-2, C-914-2, N-755-2, N-754-2, S-2894-2 and S-2895-2 (or a certificate split from any of these certificates) shall be used to supply the required NOx offsets, unless a revised offsetting proposal is received and approved by the District. Following the revisions, this Authority to Construct permit shall be re-issued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to re-issuance of this Authority to Construct permit. [District Rule 2201] Y

46. Prior to operating under ATCs N-2697-5-0 and N-2697-7-0, the permittee shall mitigate the following quantities of VOC: 1st quarter: 8,240 lb, 2nd quarter: 8,331 lb, 3rd quarter: 8,571 lb, and 4th quarter: 8,477 lb. Offsets shall be provided at the applicable offset ratio specified in Table 4-2 of Rule 2201 (as amended 9/21/06). [District Rule 2201] Y

47. VOC ERC S-2860-1, and NOx ERCs S-2857-2, S-2848-2, S-2849-2, S-2850-2, S-2851-2, S-2852-2, S-2854-2, S-2855-2, C-915-2, C-916-2, C-914-2, N-755-2, N-754-2, S-2894-2 and S-2895-2 (or a certificate split from any of these certificates) shall be used to supply the required VOC offsets, unless a revised offsetting proposal is received and approved by the District. Following the revisions, this Authority to

Construct permit shall be re-issued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to re-issuance of this Authority to Construct permit. [District Rule 2201] Y

48. The District has authorized to use NOx reductions to overcome shortfall in the amount of VOC offsets at NOx/VOC interpollutant offset ratio of 1.00. [District Rule 2201] Y

49. Prior to operating under ATCs N-2697-5-0 and N-2697-7-0, the permittee shall mitigate the following quantities of SOx: 1st quarter: 2,668 lb, 2nd quarter: 2,668 lb, 3rd quarter: 2,668 lb, and 4th quarter: 2,668 lb. Offsets shall be provided at the applicable offset ratio specified in Table 4-2 of Rule 2201 (as amended 9/21/06). [District Rule 2201] Y

50. SOx ERCs S-2843-5, S-2845-5, S-2858-5, N-759-5, N-758-5, S-2846-5 and N-757-5 (or a certificate split from any of these certificates) shall be used to supply the required SOx offsets, unless a revised offsetting proposal is received and approved by the District. Following the revisions, this Authority to Construct permit shall be re-issued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to re-issuance of this Authority to Construct permit. [District Rule 2201] Y

51. Prior to operating under ATCs N-2697-5-0, N-2697-6-0 and N-2697-7-0, the permittee shall mitigate the following quantities of PM10: 1st quarter: 19,112 lb, 2nd quarter: 19,112 lb, 3rd quarter: 19,112 lb, and 4th quarter: 19,112 lb. Offsets shall be provided at the applicable offset ratio specified in Table 4-2 of Rule 2201 (as amended 9/21/06). [District Rule 2201] Y

52. PM10 ERCs S-2844-4, C-911-4, N-756-4, C-913-4, C-912-4, and SOx ERCs S-2843-5, S-2845-5, S-2858-5, N-759-5, N-758-5, S-2846-5 and N-757-5 (or a certificate split from any of these certificates) shall be used to supply the required PM10 offsets, unless a revised offsetting proposal is received and approved by the District. Following the revisions, this Authority to Construct permit shall be re-issued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to re-issuance of this Authority to Construct permit. [District Rule 2201] Y

53. The District has authorized to use SOx reductions to overcome shortfall in the amount of PM10 offsets at SOx/PM10 interpollutant offset ratio of 1.00. [District Rule 2201] Y

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

NOTICE OF PUBLIC HEARING
BEFORE THE NORTHERN REGION HEARING BOARD
OF THE SAN JOAQUIN VALLEY UNIFIED AIR POLLUTION CONTROL DISTRICT

NOTICE IS HEREBY GIVEN that a public hearing will be held on **Wednesday, October 3, 2012, at 10:00 AM** or as soon thereafter as may be heard. The meeting will be held in the Video Tele-Conference (VTC) Room of the San Joaquin Valley Unified Air Pollution Control District's Northern Region Office with the Central Region Office to be included via VTC. The Northern Region Office is located at 4800 Enterprise Way, Modesto, CA, and the Central Region Office is located at 1990 E. Gettysburg Avenue, Fresno, CA.

Said Hearing will be on the proposed petitions from the following companies:

Company Name	Docket #	Rules	Reason for Requested Relief
Pacific Ethanol Stockton, LLC 3028 Navy Drive Stockton, CA 95206	N-12-15S	2070.7.0 2201	Short variance to allow continued ethanol production while the regenerative thermal oxidizer (RTO) and scrubbers are shut down to perform preventative maintenance.
Northern California Power Agency **Lodi Energy Center** 12745 N. Thornton Road Lodi, CA 95241	N-12-16i	2010 2201 2520 4305 4306 4320	Interim variance, to be followed by a regular variance, to allow carbon monoxide (CO) emissions in excess of the permit limit while operating the auxiliary boiler.

Said petitions will be on file at least ten days before the hearing. All interested persons may view said documents by contacting the Compliance Department of the Northern Region Office. Any person wishing to submit any data, views, comments, or suggestions concerning the proposed variance petition for consideration, may do so by submitting the information to the Northern Region Office prior to the hearing.

NOTICE IS FURTHER GIVEN that any interested persons desiring to be heard or present evidence on the above petition are asked to appear in person at the hearing. For additional information, contact the District's Northern Region Office at (209) 557-6400.

Ms. Michelle Franco
Deputy Clerk to the Boards
San Joaquin Valley Unified Air Pollution Control District
Dated: September 20, 2012

A PUBLIC AGENCY
NCPA
NORTHERN CALIFORNIA POWER AGENCY

PO Box 1478
12745 N. Thornton Road
Lodi, CA 95241
(209) 333-6370
www.ncpa.com

September 11, 2012

Mr. Gerardo Rios
Permits Office, (Attention: Air-3)
Air Division
U.S. Environmental Protection Agency
Region 9
75 Hawthorne Street
San Francisco, CA 94105

Subject: Northern California Power Agency, Lodi Energy Center
Notification of Actual Date of Initial Startup of Combustion Turbine

Dear Mr. Rios:

In accordance with the requirements of 40 CFR 60.7(a)(3), we are submitting this written notification of the actual date of initial startup for the new combined-cycle gas turbine at Northern California Power Agency's Lodi Energy Center (LEC) in Lodi, California. The actual date of initial startup was August 22, 2012.

If you have any questions regarding this notification, please do not hesitate to call Michael DeBortoli of my staff at (916) 521-0047.

Sincerely,

Kevin Cunningham
Combustion Turbine Manager

cc: Tom Busenbark, SJVAPCD
Jeffrey Adkins, Sierra Research
Andrea Grenier, Grenier and Associates

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September 11, 2012

Mr. Tom Busenbark
San Joaquin Valley Air Pollution Control District
Northern Region Office
4800 Enterprise Way
Modesto, CA 95356-8718

Subject: Northern California Power Agency, Lodi Energy Center
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In accordance with the requirements of 40 CFR 60.7(a)(3), we are submitting this written notification of the actual date of initial startup for the new combined-cycle gas turbine at Northern California Power Agency's Lodi Energy Center (LEC) in Lodi, California. The actual date of initial startup was August 22, 2012.

If you have any questions regarding this notification, please do not hesitate to call Michael DeBortoli of my staff at (916) 521-0047.

Sincerely,

Kevin Cunningham
Combustion Turbine Manager

cc: Tom Busenbark, SJVAPCD
Jeffrey Adkins, Sierra Research
Andrea Grenier, Grenier and Associates

Exhibit 3

AQCMM Monthly Report

NCPA LODI ENERGY CENTER

Lodi California

September 2012 AQCMM / SWPPP Monthly Report

General Progress:

General construction was limited to support of the commissioning activities. The trades were performing tasks as directed and required by the start-up personnel. Granite was active in the grading of the balance of the site in preparation for the final paving. This was accomplished and the paving was completed on September 26th. With this work completed the site is completely covered in concrete or asphalt thus eliminating all possible sources of dust.

Granite also started the reclamation of the laydown areas by removing the rock and preparing the ground for hydro seeding. This work will be finished in the month of October as ARB is able to demobilize from the areas.

With the completion of the paving all rainfall will enter the storm drain system and flow through the oily water separators, there will be no surface runoff.

The equipment on site is limited to one reach lift forklift. All of the other equipment was returned to ARB's yard or the rental companies.

SWPPP

There were no measureable rain events during the month of July. The dry conditions eliminated the possibilities of runoff from the site.

There were no samples taken as all BMPs were maintained and properly implemented.

This report has been prepared by:
Jeff Latham
ARB, Inc
Project Engineer/AQCMM

Lodi Energy Center

Summary of Diesel Construction Equipment Mitigation Determinations

Month September 2012

Equipment Make and Model	Engine Make, Model & Rating	Tier 3 Engine (yes/no)	Tier 2 Engine (yes/no)	Tier 1 Engine (yes/no)	Days Expected Onsite	Excess Oil Consumption Expected (yes/no)	Adequate Exhaust Temperature (yes/no)	Adequate Installation Space (yes/no)	Is There An ARB Certified DPF for this Engine (yes/no)	Mitigation Determination(ULSFO, Tier 3/2/1 engine, DPF, nox control)
2008 JLG Skytrak 10054	Cummins QSB 4.5T, 110 HP	yes				no	yes	NA	NA	Tier 3

Record Keeping Form

Month: September

FORM A – Area Water Application

Project Location: Lodi Energy City: Lodi Size: (Miles/ Acres)

Owner: ARB Address City: Zip

Contact Person: Title: Phone: ( ) -

Watering Schedule

Use this form to document daily water applications at a single site by recording total gallons per day and number of applications per day at a single area. Use additional forms, as necessary, for areas with different treatment schedules.

Area treated: _____.

Week	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1				9/5 2,000	9/6 5,000	9/7 2,000	
2		9/10 6,000	9/11 3,000	9/12 6,000	9/13 6,000	9/14 4,000	
3		9/17 6,000	9/18 8,000	9/19 8,000	9/20 8,000	9/21 20,000	
4		9/24 20,000	9/25 2,000	9/26 2,000			
5							

Area treated: _____.

Week	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1							
2							
3							
4							
5							

Fuel sold to ARB in September for the Lodi job:

Clear on-road diesel – 806 gallons
Red off-road diesel – 537 gallons

☺

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Karen Lewallen
Isleton Plant Manager

karenl@ramosoil.com
www.ramosoil.com

Ramos Oil Company, Inc.
1st Street / Highway 160
Isleton CA 95641

Tel: (916) 777-5545
Mobile: (916) 997-6823
Fax: (916) 777-5859

Exhibit 4

Designated Biologist & CRS Monthly Reports

Biological Resources

Mitigation Monitoring for the

Lodi Energy Center Project

MONTHLY COMPLIANCE REPORT (BIO-2)

September 2012

Prepared by:

CH2M HILL

2485 Natomas Park Drive, Suite 600

Sacramento, California 95833

Lodi Energy Center

MONTHLY COMPLIANCE REPORT

September 2012

TABLE OF CONTENTS

APPENDICES

INTRODUCTION

The Lodi Energy Center (LEC) project site is on 4.4 acres of land owned and incorporated by the City of Lodi, 6 miles west of the Lodi city center. The site is located adjacent to Interstate-5 approximately 1.7 miles south of State Route 12. On the east side of the site is the City of Lodi's White Slough Water Pollution Control Facility (WPCF). The WPCF's treatment and holding ponds are located to the north. To the west is the 49-megawatt Northern California Power Agency (NCPA) Combustion Turbine Project (STIG Plant), and further to the west is the Pacific Gas and Electric Company (PG&E) overhead 230 kilovolt electric transmission line. The San Joaquin County Mosquito and Vector Control facility is located south of the project site.

Originally, construction of the LEC facility would require the use of four laydown areas totaling 9.8 acres; Area A consisted of 3.1 acres, Area B consisted of 2.2 acres, Area C consisted of 1.6 acres, and Area D consisting of 2.9 acres. On July 2, 2010, NCPA filed a petition with the California Energy Commission (CEC) requesting the additional use of 9.4 acres of construction laydown and parking areas. The requested areas will add 0.7 acres to the existing 3.1 acre laydown Area A, add an additional 6.1 acre laydown area known as Area E which is directly north of the frontage entrance to the LEC project site and an additional 2.6 acre laydown area known as Area F. On August 9, 2010, the CEC staff included as part of the project the requested additional laydown areas contingent on mitigating the impacts to the additional acres through the San Joaquin County Multi-Species Habitat Conservation & Open Space Plan (MSHCP) for the fee of $48,229.50. NCPA paid the use fee to the MSHCP and the additional laydown areas were released for use by the CEC on September 13th, 2010.

Initially, the construction of the LEC gas pipeline as permitted required a 35-foot construction right-of-way which would affect approximately 3.55 acres of agricultural land. The original 3.55 acres was mitigated along with other project impacts through the MSHCP by NCPA acquiring 21.25 acres which was placed in a conservation easement that the San Joaquin County Council of Governments (SJCOG) would oversee in perpetuity. After further project review the gas pipeline was redesigned by PG&E and an additional 5.37 acres of right-of-way was determined to be required. Therefore, on July 15, 2011 NCPA submitted a request to the MSHCP for an additional 5.37 acres of mitigation credits to cover impacts to agricultural land, the fee for this transaction was $71,216.94. On October 8, 2011 the additional mitigation fee was paid to the MSHCP finalizing the mitigation requirement. As required for all project description changes or acreage impact changes the CEC was notified of the proposed change on July 19, 2011 when it was presented as a modification to the project description. On September 29, 2011 the CEC approved the project description modification and the new gas pipeline began construction during the month of October, 2011.

Biological monitoring for the month of September included monitoring the 4.4-acre power generation facility, the 19.2 acre laydown areas.

MONITORED MITIGATION MEASURES AND PERMIT CONDITIONS

Mitigation measures for the LEC project site were developed through consultation with the California Energy Commission (CEC), and the SJCOG which oversees the MSHCP. Documentation of compliance with any conditions of the agency permits will be included when used on the project.

Conditions of Certification (COC) BIO 1-8 were in compliance during the month of September 2012. The following COC's require specific language be included in each monthly compliance report therefore they are addressed separately below;

BIO-9, employing giant garter snake (GGS) mitigation measures like sediment/animal fencing protecting sensitive areas, every worker participating in the WEAP program, and the Designated Biologist monitoring any disturbance within GGS habitat for giant garter snake protection insured that BIO-9 was in compliance during the month of September 2012.

BIO-10, burrowing owl mitigation measures like pre-disturbance surveys, every worker participating in the WEAP program and the Designated Biologist making daily site visits to the gas pipeline portion of the project insured that BIO-10 was in compliance during the month of September 2012.

BIO-11, Swainson's hawk (SWHA) mitigation measures like pre-disturbance surveys, every worker participating in the WEAP program and the Designated Biologist making weekly site visits insured that BIO-11 was in compliance during the month of September 2012.

BIO-12, migratory bird mitigation measures like pre-disturbance surveys, every worker participating in the WEAP program and the Designated Biologist making weekly site visits insured that BIO-12 was in compliance during the month of September 2012.

BIO-13, northwestern and western pond turtle mitigation measures like sediment/animal fencing protecting sensitive areas, every worker participating in the WEAP program, and the Designated Biologist monitoring any disturbance within pond turtle habitat insured that BIO-13 was in compliance during the month of September 2012.

SUMMARY OF ACTIVITIES

This report provides a summary of September 2012 project activities and associated biological monitoring. A cumulative wildlife species list is included in Appendix A. The Designated Biologist (DB) and Biological Monitor (BM) completed logs summarizing activities, personal interactions, and observations made during each site visit. These logs are available on request.

Site Construction

September LEC project site activities consisted of asphalt paving, permanent fence erection, and final construction of the plant.

Monitoring visits were conducted periodically to document permit compliance and to monitor active avian nest sites.

WORKER ENVIRONMENTAL AWARENESS TRAINING

The WEAP program was developed exclusively for the LEC project. Program materials include a handbook, video, posted speed limit signs and supporting posters. As required by COC BIO-5 from the CEC *Commission Decision*, all new employees must attend the WEAP program.

No new personnel received WEAP training in September; therefore the total number of employees trained to date remains at 1,503. An ARB Safety and Compliance Manager or NCPA Compliance Manager administered the WEAP training to new employees as well as the LEC

Designated Biologist and Biological Monitor. Signed affidavits are kept on file by the ARB Safety and Compliance Manager and the NCPA Compliance Manager.

GENERAL DAILY NOTES AND OBSERVATIONS

During the month of September daily Biological Monitoring was not required of the LEC project site however. Project biological oversight was covered by the Designated Biologist (DB) Rick Crowe or the Biological Monitors (BM) Dan Williams or Victor Leighton. The monitoring efforts for the month of September are documented below;

September 5th, the DB received a call **from** Mac/ARB Safety Manager concerning the observation of a juvenile cotton tail rabbit (*Sylvilagus audubonii*) that appeared abandoned on site, Photo 1. The DB traveled to the LEC site and picked up the juvenile rabbit and took it to the Wildlife Care Facility in Sacramento. For more information on this observation see Wildlife Observation Forms in Appendix C.

September 11th, the DB received a call from Milton/ARB front gate guard concerning the observation of a dead Eurasian collared-dove (*Columba livia*) that Milton had observed in the employee parking lot, Photo 2. The DB traveled to the site and observed the dove lying on the ground adjacent to an oak tree. The dove appeared to have been shot off site and then flown on site and died. This situation is not out of the ordinary since dove hunting season had begun on September 1st, for more information on this observation see Appendix C Wildlife Observation Forms. While on site the DB performed a compliance spot check and observed asphalt paving prep and permanent fence installation, Photos 4 through 7. The LEC project was in compliance during this site visit.

September 14th, the DB received a call from Dennis Stimac/NCPA Plant Operator concerning the observation of a gopher snake (*Pituophis melanoleucus*) just east of the HRZG unit in a gravel area. Mr. Stimac stated that a worker had placed a bucket over the snake and then reported it, Photo 8. The DB had Mr. Stimac check on the disposition of the snake and when Mr. Stimac checked on the snake it was dead. The DB asked Mr. Stimac to photograph the snake and then dispose of it. For more information on this observation see Appendix C Wildlife Observation Forms.

September 17th, the DB received a call from Michael DeBortoli/ NCPA Project Engineer concerning his observation of ARB mass grading Laydown Area E. Mr. DeBortoli inquired whether the DB had cleared the laydown area of wildlife prior to ARB beginning mass grading. The DB stated that the laydown area had not been cleared and that ARB was to halt all work in the area until the DB could clear the laydown area of wildlife. Mr. DeBortoli instructed ARB to hat work immediately, which they did. On August 30, 2012 the DB held a meeting with ARB and NCPA to discuss the requirements and conditions for restoring the laydown areas to their previous state which was ruderal grasslands. During the meeting the DB clearly informed ARB and NCPA that since the laydown area had not been disturbed or used for more that 14-days it must be cleared of wildlife by the DB prior to any new disturbance. On September 17th ARB received a verbal non-compliance and was ordered to stop all work in the laydown area until the DB cleared it and gave them verbal permission to proceed with restoration.

September 18th, the DB was on site to clear Laydown Area E, Photos 9, 10 and 11. The DB walked meandering transects throughout the entire laydown area looking for displaced wildlife or nesting wildlife, none was observed. ARB was given verbal permission by the DB to continue

removing the temporary rock from the area and prepping the area for final hydro-seeding. While on site the DB performed a compliance spot check on the remainder of the project and found the LEC project to be in compliance.

September 26th, the DB was on site to perform a compliance check. The DB observed final grading and asphalt paving occurring on the LEC site, Photos 12 through 17. During this site visit the LEC project was in compliance.

Appendix A

Cumulative Wildlife Species Observed in or Near the Project Area

Cumulative Wildlife Species Observed in or Near the LEC Project Area

Common Name	Scientific Name	Comments
• **BIRDS**		
Canada goose	*Branta canadensis*	WPCF ponds, single individual captured and taken to Wildlife Care October 2010.
Cackling goose	*Branta hutchinsii*	Fly over
Snow goose	*Chen caerulescens*	Fly over
Gadwall	*Anas strepera*	WPCF ponds
Mallard	*Anas platyrhynchos*	WPCF ponds, nest in laydown area A 2011.
Northern pintail	*Anas acuta*	WPCF ponds
Northern shoveler	*Anas clypeata*	WPCF ponds
Cinnamon teal	*Anas cyanoptera*	WPCF ponds
Green-winged teal	*Anas crecca*	WPCF ponds
Lesser scaup	*Aythya affinis*	WPCF ponds
Bufflehead	*Bucephala albeola*	WPCF ponds
Ruddy duck	*Oxyura jamaicensis*	WPCF ponds
Ring-necked pheasant (Exotic)	*Phasianus colchicus*	WPCF ponds
Pied-billed grebe	*Podilymbus podiceps*	WPCF ponds
Eared grebe	*Podiceps nigricollis*	WPCF ponds
Horned grebe	*Podiceps auritus*	WPCF ponds
American white pelican	*Pelecanus erythrorhynchos*	WPCF ponds
Double-crested cormorant	*Phalacrocorax auritus*	WPCF ponds
Great blue heron	*Ardea herodias*	Canal and WPCF ponds
Great egret	*Ardea alba*	Canal and WPCF ponds
Snowy egret	*Egretta thula*	WPCF ponds, one individual observed dead adjacent to t-line along southern portion of project site August 2010.
Green heron	*Butorides virescens*	Canal
Black-crowned night-heron	*Nycticorax nycticorax*	Canal
White-faced ibis	*Plegadis chihi*	WPCF ponds
Turkey vulture	*Cathartes aura*	Fly over
White-tailed kite	*Elanus leucurus*	Pipeline route
Northern harrier	*Circus cyaneus*	Pipeline route
Cooper's hawk	*Accipiter cooperii*	Fly over
Sharp-shinned hawk	*Accipiter striatus*	Fly over
Red-shouldered hawk	*Buteo lineatus*	Hunting along canal
Red-tailed hawk	*Buteo jamaicensis*	Pipeline route and laydown areas. Injured individual, spring 2012.
Swainson's hawk	*Buteo swainsoni*	One individual observed dead from collision with fence, Sept. 2010. Pair observed nesting in employee parking lot April 2011 and 2012.

Cumulative Wildlife Species Observed in or Near the LEC Project Area

Common Name	Scientific Name	Comments
Ferruginous hawk	*Buteo regalis*	Observed one hawk on gas pipeline right-of-way November 2011.
American kestrel	*Falco sparverius*	Laydown areas
Merlin	*Falco columbarius*	Perched along entrance road, 11/30/10
Peregrine falcon	*Falco peregrinus*	Hunting WPCF ponds
Prairie falcon	*Falco mexicanus*	Fly over, 11/9/10
Barn owl	*Tyto alba*	Dead individual observed near Safety trailer, 11/8/10.
Burrowing owl	*Athene cunicularia*	One individual observed 500-feet north of gas pipeline right-of-way, 10/13/11. Two individuals observed 400 and 500-feet north of the pipeline right-of-way, 2011 and 2012.
American coot	*Fulica americana*	WPCF ponds, one individual observed dead within Laydown Area F, April 2012.
Sandhill crane	*Grus canadensis*	Fly over
Black-bellied plover	*Pluvialis squatarola*	Pipeline route and WPCF ponds
Mountain plover	*Charadrius montanus*	Numerous individuals observed foraging in field just south of gas pipeline right-of-way, December 2011.
Pacific golden-plover	*Pluvialis fulva*	WPCF ponds
Killdeer	*Charadrius vociferus*	Canal, laydown areas, pipeline route, and WPCF ponds. Nest in switchyard 2010. Nest in northern portion of power block, failed 2011. Nest in Laydown Area A predated, April and May 2011. Numerous nests all over project, spring of 2012.
Semipalmated plover	*Charadrius semipalmatus*	WPCF ponds
American avocet	*Recurvirostra americana*	WPCF ponds
Black-necked stilt	*Himantopus mexicanus*	WPCF ponds
Spotted sandpiper	*Actitis macularius*	WPCF ponds
Greater yellowlegs	*Tringa melanoleuca*	Pipeline route and WPCF ponds
Lesser yellowlegs	*Tringa flavipes*	WPCF ponds
Whimbrel	*Numenius phaeopus*	WPCF ponds
Long-billed curlew	*Numenius americanus*	Fly over, curlews observed foraging south of gas pipeline 2011
Least sandpiper	*Calidris minutilla*	WPCF ponds
Western sandpiper	*Calidris mauri*	WPCF ponds
Baird's sandpiper	*Calidris bairdii*	WPCF ponds
Pectoral sandpiper	*Calidris melanotos*	WPCF ponds
Dunlin	*Calidris alpine*	WPCF ponds
Long-billed dowitcher	*Gallinago delicata*	Canal
Wilson's snipe	*Calidris alpina*	Pipeline route and WPCF ponds
Wilson's phalarope	*Phalaropus tricolor*	WPCF ponds
Ring-billed gull	*Larus delawarensis*	WPCF ponds

Cumulative Wildlife Species Observed in or Near the LEC Project Area

Common Name	Scientific Name	Comments
Mew gull	*Larus canus*	WPCF ponds
California gull	*Larus californicus*	WPCF ponds, individual with broken wing and one with a broken neck, 2012.
Bonaparte's gull	*Larus philadelphia*	WPCF ponds
Caspian tern	*Hydroprogne caspia*	WPCF ponds
Forster's tern	*Limnodromus scolopaceus*	WPCF ponds
Common tern	*Sterna hirundo*	WPCF ponds
Rock pigeon (*Exotic*)	*Sterna fosteri*	STIG plant, nesting on scaffolding 2012.
*****Eurasian collared-dove (*Exotic*)	*Columba livia*	Laydown areas and pipeline route. One individual observed dead within STIG plant, August 2010. One individual observed dead in employee parking lot, Sept. 2012.
Mourning dove	*Streptopelia decaocto*	Laydown areas and pipeline route
White-throated swift	*Aeronautes saxatalis*	Fly over
Vaux's swift	*Zenaida macroura*	Fly over
Anna's hummingbird	*Chaetura vauxi*	Canal and east parking area
Black-chinned hummingbird	*Calypte anna*	Canal
Belted kingfisher	*Archilochus alexandri*	Canal
Downy woodpecker	*Picoides pubescens*	East parking area
Nuttall's woodpecker	*Picoides nuttallii*	East parking area
Northern flicker	*Colaptes auratus*	Laydown areas and pipeline route
Pacific-slope flycatcher	*Empidonax difficilis*	Canal setback
Western wood-pewee	*Contopus sordidulus*	Canal setback
Black phoebe	*Sayornis nigricans*	Canal
Western kingbird	*Tyrannus verticalis*	Canal, laydown areas, and pipeline route
Cassin's vireo	*Lanius ludovicianus*	Canal setback
Loggerhead shrike	*Vireo cassinii*	Pipeline route
Western scrub-jay	*Aphelocoma californica*	East parking area and pipeline route
American crow	*Corvus brachyrhynchos*	Laydown areas and pipeline route
Common raven	*Corvus corax*	Laydown areas and pipeline route
Horned lark	*Eremophila alpestris*	Laydown areas and pipeline route
Purple martin	*Progne subis*	Pipeline route
Tree swallow	*Tachycineta bicolor*	Pipeline route
Northern rough-winged swallow	*Stelgidopteryx serripennis*	WPCF ponds
Cliff swallow	*Petrochelidon pyrrhonota*	Fly over. Injured individual spring 2012.
Bank swallow	*Riparia riparia*	WPCF ponds
Barn swallow	*Hirundo rustica*	Pipeline route and WPCF ponds, one individual observed dead from Laydown Area E, 2011. 3 juveniles observed dead in electrical switch gear building, Summer 2012.
Bushtit	*Psaltriparus minimus*	Pipeline route and WPCF ponds

Cumulative Wildlife Species Observed in or Near the LEC Project Area

Common Name	Scientific Name	Comments
Ruby-crowned kinglet	*Regulus calendula*	East parking area
American robin	*Turdus migratorius*	Canal and laydown areas
Northern mockingbird	*Mimus polyglottos*	Laydown areas and pipeline route
European starling (*Exotic*)	*Sturnus vulgaris*	Canal, laydown areas, and pipeline route
American pipit	*Anthus rubescens*	WPCF ponds and pipeline route
Cedar waxwing	*Bombycilla cedrorum*	Laydown areas and pipeline route
Orange-crowned warbler	*Vermivora celata*	East parking area and oaks along entrance road
Nashville warbler	*Vermivora ruficapilla*	Canal setback
Yellow warbler	*Dendroica petichia*	East parking area and oaks
Yellow-rumped warbler	*Dendroica coronata*	Laydown areas and pipeline route
Common yellowthroat	*Geothlypis trichas*	Canal
Wilson's warbler	*Wilsonia pusilla*	Canal setback
Western tanager	*Piranga ludoviciana*	Canal setback and east parking area
Spotted towhee	*Pipilo maculatus*	Canal setback
Savannah sparrow	*Passerculus sandwichensis*	Canal and pipeline route
Song sparrow	*Melospiza melodia*	Canal and pipeline route
Lincoln's sparrow	*Melospiza lincolnii*	Canal
Golden-crowned sparrow	*Zonotrichia atricapilla*	Canal and laydown areas
White-crowned sparrow	*Zonotrichia leucophrys*	Canal and pipeline route
Dark-eyed junco	*Junco hyemalis*	East parking area
Black-headed grosbeak	*Pheucticus melanocephalus*	East parking area
Blue grosbeak	*Passerina caerula*	Canal, laydown areas, and pipeline route
Red-winged blackbird	*Agelaius phoeniceus*	Canal
Tricolored blackbird	*Agelaius tricolor*	Fly over
Brewer's blackbird	*Euphagus cyanocephalus*	STIG plant and WPCF ponds
Great-tailed grackle	*Quiscalus mexicanus*	Canal and WPCF ponds. Gas pipeline right-of-way.
Western Meadowlark	*Sturnella neglecta*	Pipeline route. One individual observed dead on grill of truck, 11/12/10.
Brown-headed cowbird	*Molothrus ater*	Canal and WPCF ponds
Bullock's oriole	*Icterus bullockii*	Laydown areas and Energy Center footprint
Orchard oriole	*Icterus spurius*	Canal setback
House finch	*Carpodacus mexicanus*	STIG plant and pipeline route. One individual observed dead near existing STIG plant, April 2011. Numerous nests throughout project spring 2011. Nest in PG&E dump truck, May 2012.
American goldfinch	*Carduelis tristis*	Canal, laydown areas, and pipeline route
Lesser goldfinch	*Carduelis psaltria*	Laydown areas
House sparrow (*Exotic*)	*Passer domesticus*	STIG plant and pipeline route. One individual observed dead.

Cumulative Wildlife Species Observed in or Near the LEC Project Area

Common Name	Scientific Name	Comments
MAMMALS		
*****Audubon's cottontail	*Sylvilagus audubonii*	Laydown areas and Energy Center footprint. One individual observed in northern portion of power block April 2011. Juvenile rabbit taken to Wildlife Care September 2012.
California vole	*Microtus californicus*	Energy Center Footprint and laydown areas. Several individuals killed during clearing and grubbing, August 2010.
Botta's pocket gopher	*Thomomys bottae*	Dead individual observed near HRSG foundation, Nov. 2010.
Virginia opossum	*Didelphis virginiana*	Injured individual in water treatment building, 2012. Observed individual in employee parking lot and water treatment building, spring 2012. Juvenile captured and released spring 2012.
Long tailed weasel	*Mustela frenata*	Dead individual observed on access road to LEC project, spring 2012
Western harvest mouse	*Reithrodontomys megalotis*	Observed dead mouse in bell-hole excavation on gas pipeline alignment, January 2012.
California ground-squirrel	*Spermophilus beecheyi*	Pipeline route, Energy Center footprint and laydown areas
Dog	*Canis familiaris*	Two dogs observed in southern section of LEC site, April 2011. Skelton of dog unearthed by gas pipeline, December 2011.
Feral cat	*Felis catus*	Energy Center Footprint
REPTILES		
Western pond turtle	*Actinemys marmorata*	Canal and WPCF ponds
Red-eared slider	*Chrysemys scripta*	Canal and crossing access road, 2012.
Common king snake	*Lampropeltis getlus*	Several caught and relocated during clearing and grubbing, one individual killed, August and October 2010. One individual killed on project to the north, April 2011. Two individual captured and relocated November 2011.
Western skink	*Plestiodon (Eumeces) skiltonianus*	One individual crushed during clearing and grubbing, August 2010.
*****Gopher snake	*Pituophis melanoleucus*	BM captured and relocated one individual Sept. 2010. DB captured and removed from project site, April 2011. One individual found dead Sept. 2012.
Common garter snake	*Thamnophis sirtalis*	BM observed one individual near the City of Lodi White Slough Treatment plant, Sept. 2010. One individual killed, April 2011. One individual captured and relocated off site May, 2011.
Southern alligator lizard	*Gerrhonotus multicarinatus*	Observed during clearing and grubbing, 2010.
Western fence lizard	*Sceloporus occidentalis*	Laydown area, pipeline route and Energy Center.

Cumulative Wildlife Species Observed in or Near the LEC Project Area

Common Name	Scientific Name	Comments
INVERTEBRATES		
Butterflies		
Cabbage white	*Pieris rapae*	Pipeline route
Orange sulphur	*Colias eurytheme*	Pipeline route
Painted lady	*Vanessa cardui*	Pipeline route
Red admiral	*Vanessa atalanta*	Pipeline route

***** Indicates new observance or additional information.

Appendix B
Site Photos

Photo 1, of abandoned juvenile cottontail rabbit prior to being taken to Wildlife Care Association, 9/5/12.

Photo 2, of dead Eurasian collared dove as observed in employee parking lot, 9/11/12.

Photo 3, of permanent fencing being installed along southern most LEC project boundary, 9/11/12.

Photo 4, paving preparation on interior road at LEC project, 9/11/12.

Photo 5, more paving preparation on interior roads, 9/11/12.

Photo 6, more paving preparation on interior roads, 9/11/12.

Photo 7, more paving preparation on interior roads, 9/11/12.

Photo 8, dead gopher snake observed just east of the HRZG unit, 9/14/12.

Photo 9, of LEC Laydown Area E facing north during restoration, 9/18/12.

Photo 10, of LEC Laydown Area E facing west during restoration, 9/18/12.

Photo 11, of LEC Laydown Area E facing west during restoration, 9/18/12.

Photo 12, asphalt paving of interior roads on LEC project, 9/26/12.


Photo 13, area prepped for asphalt paving, 9/26/12.

Photo 14, asphalt paving of interior roads, 9/26/12.

Photo 15, asphalt paving of interior roads, 9/26/12.

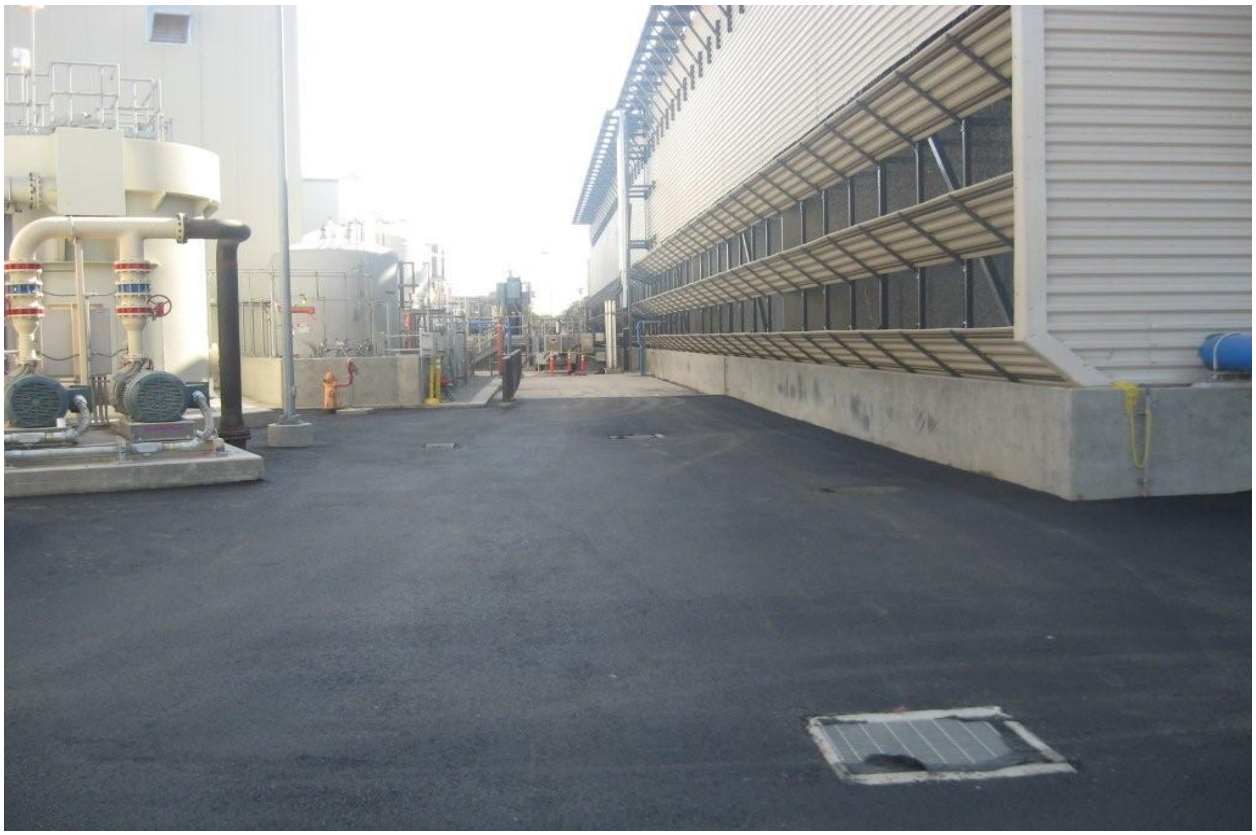


Photo 16, asphalt paving of interior roads, 9/26/12.

Photo 17, asphalt paving of interior roads, 9/26/12.

Appendix C

Wildlife Observation Forms

Figure G-1. Wildlife Observation Form

WILDLIFE OBSERVATION FORM
To Record Animals Found In Lodi Energy Center Project Areas

To be filled out by personell who find active nest sites and burrows, dens, and dead or injured wildlife, or other biological resources during daily construction activities.

Name of employee:	Dennis Stimac NCPA/Plant Engineer
Date: 9/14/2012	
Location of observation:	just east of HRZG unit
Wildlife Species: gopher snake Condition of wildlife: alive [ ] dead [X]	
Possible cause of injury or death:	not sure
Where is the animal currently?	disposed of
Is the resource in danger of project (or other) impacts?	No
Comments:	Mr. Stimac called the DB to report the observation, the DB asked Mr. Stimac check on the snake. The snake was th reported as dead.

Please contact the Designated Biologist for questions and to report any wildlife, nest, or den in the project area that could be disturbed. The Designated Biologist will advise personnel on measures required by California Department of Fish and Game (CDFG) and United States Fish and Wildlife Service (USFWS) to protect fish, wildlife and vegetation from construction impacts.

DESIGNATED BIOLOGIST: Rick Crowe Cell (916) 296-5525 Office (916) 286-0416
BIOLOGICAL FIELD MONITORS: Dan Williams Cell (9160 943-8247 Office (916) 286-0229
Victor Leighton Cell (916-425-7862 Office (916) 286-0415

COMPANY: CH2MHILL ADDRESS: 2485 Natomas Park Drive, St. 600

Figure G-1. Wildlife Observation Form

WILDLIFE OBSERVATION F

To Record Animals Found In Lodi Ene

To be filled out by personnel who find active nest sites and burrows, dens, biological resources during daily construction activities.

Name of employee:

Date: 9/11/2012

Location of observation:

Wildlife Species:

Condition of wildlife:

alive [ ] dead [X]

Possible cause of injury or death:

Where is the animal currently?

Is the resource in danger of project (or

No

Comments:

Please contact the Designated Biologist for questions and to report or den in the project area that could be disturbed. The Designated advise personnel on measures required by California Department o and Game (CDFG) and United States Fish and Wildlife Service (US fish, wildlife and vegetation from construction impacts.

DESIGNATED BIOLOGIST: Rick Crowe Cell (916) 296-552

BIOLOGICAL FIELD MONITORS: Dan Williams Cell (9160 9

Victor Leighton Cell (916-425-7862 Office (916) 286-0415

COMPANY: CH2MHILL ADDRESS: 2485 Natomas Park D

ORM
rgy Center Project Areas
, and dead or injured wildlife, or other

Milton/ARB Gate Guard
Employee parking lot
Eurasian collared dove
The dove appeared to have been shot off site and then it flew on site and died
Disposed of by DB
r other) impacts?
Dove hunting season began on Sept. 1st and the LEC site is surrounded by legal hunting areas
t any wildlife, nest, Biologist will of Fish SFWS) to protect
5 Office (916) 286-0416 943-8247 Office (916) 286-0229
rive, St. 600

Figure G-1. Wildlife Observation Form

WILDLIFE OBSERVATION FORM
To Record Animals Found In Lodi Energy Center Project Areas

To be filled out by personell who find active nest sites and burrows, dens, and dead or injured wildlife, or other biological resources during daily construction activities.

Name of employee:	Mac/ARB Safety Manager
Date: 9/5/2012	
Location of observation:	LEC site next HRZG on the ground
Wildlife Species: juvenile Condition of wildlife: alive [ ] dead [X]	cottontail rabbit
Possible cause of injury or death:	The rabbit was observed during the blow down procedure and was probably dropped by the mother when startled
Where is the animal currently?	Taken to Wildlife Care Facility in by the Designated Biologist
Is the resource in danger of project (or other) impacts? No	
Comments:	The juvenile rabbit was to young to fend for itself so it was taken to Wildlife Care facility in Sacramento.

Please contact the Designated Biologist for questions and to report any wildlife, nest, or den in the project area that could be disturbed. The Designated Biologist will advise personnel on measures required by California Department of Fish and Game (CDFG) and United States Fish and Wildlife Service (USFWS) to protect fish, wildlife and vegetation from construction impacts.

DESIGNATED BIOLOGIST: Rick Crowe Cell (916) 296-5525 Office (916) 286-0416
BIOLOGICAL FIELD MONITORS: Dan Williams Cell (9160 943-8247 Office (916) 286-0229
Victor Leighton Cell (916-425-7862 Office (916) 286-0415

COMPANY: CH2MHILL ADDRESS: 2485 Natomas Park Drive, St. 600

Exhibit 5

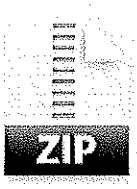
CBO Approvals

Hays, Nancy (Sacramento)

From: Stacey Smith [notifications@trbplus.basecamphq.com]
Sent: Wednesday, September 26, 2012 11:29 AM
To: Hays, Nancy (Sacramento)
Subject: [Lodi Energy Center] A new file has been uploaded

Project: Lodi Energy Center
Company: TRB and Associates

Stacey Smith uploaded a new file:



STRUCT-01A 64.0 (REV 3) (120926).zip
COMMENTS: Steel Supports for WTB (IDI Water System)
Download this file 148 KB
Category: -Plan Review COMMENTS

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This message was sent to Ed Warner, Elizabeth Wall, Jeremy Lawson, Joe Bittner, Marc Pelletier, Michael DeBortoli, Nancy Hays, Stacey Smith, and Susan Christopherson.

Prefer plain text emails?

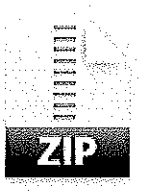
Delivered by Basecamp

Hays, Nancy (Sacramento)

From: Lisa Krause [notifications@trbplus.basecamphq.com]
Sent: Monday, September 10, 2012 11:34 AM
To: Hays, Nancy (Sacramento)
Subject: [Lodi Energy Center] A new file has been uploaded

Project: Lodi Energy Center
Company: TRB and Associates

Lisa Krause uploaded a new file:



STRUCT-01A 41.1 (REV 5) (120910).zip

CONDITIONALLY APPROVED - STG Enclosure - revised drawing per STG Ladders package

Download this file 234 KB

Category: -Plan Review CONDTITIONAL APPROVAL

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This message was sent to Ed Warner, Elizabeth Wall, Jeremy Lawson, Joe Bittner, Lisa Krause, Marc Pelletier, Michael DeBortoli, Nancy Hays, Stacey Smith, and Susan Christopherson.

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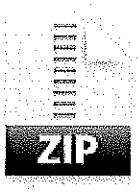
Delivered by Basecamp

Hays, Nancy (Sacramento)

From: Lisa Krause [notifications@trbplus.basecamphq.com]
Sent: Monday, September 10, 2012 11:40 AM
To: Hays, Nancy (Sacramento)
Subject: [Lodi Energy Center] A new file has been uploaded

Project: Lodi Energy Center
Company: TRB and Associates

Lisa Krause uploaded a new file:



STRUCT-01A 66.0 (REV 2) (120910).zip
CONDITIONALLY APPROVED: STG LADDERS
Download this file 2.63 MB
Category: -Plan Review CONDTITIONAL APPROVAL

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This message was sent to Ed Warner, Elizabeth Wall, Jeremy Lawson, Joe Bittner, Lisa Krause, Marc Pelletier, Michael DeBortoli, Nancy Hays, Stacey Smith, and Susan Christopherson.

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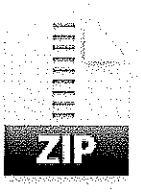
Hays, Nancy (Sacramento)

From: Stacey Smith [notifications@trbplus.basecamphq.com]
Sent: Tuesday, September 18, 2012 12:47 PM
To: Hays, Nancy (Sacramento)
Subject: [Lodi Energy Center] A new file has been uploaded

Project: Lodi Energy Center
Company: TRB and Associates

Stacey Smith uploaded a new file:



MECH-01A 96.0 (REV 7) (120918).zip
CONDITIONALLY APPROVED: STG Fire Protection Package
Download this file 11.8 MB
Category: -Plan Review CONDTITIONAL APPROVAL

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This message was sent to Ed Warner, Elizabeth Wall, Jeremy Lawson, Joe Bittner, Marc Pelletier, Michael DeBortoli, Nancy Hays, Stacey Smith, and Susan Christopherson.

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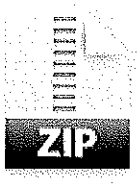
Delivered by Basecamp

Hays, Nancy (Sacramento)

From: Stacey Smith [notifications@trbplus.basecamphq.com]
Sent: Monday, September 24, 2012 2:51 PM
To: Hays, Nancy (Sacramento)
Subject: [Lodi Energy Center] A new file has been uploaded

Project: Lodi Energy Center
Company: TRB and Associates

Stacey Smith uploaded a new file:



MECH-2 2.0 (REV 3) (120924).zip
REVIEWED FOR REFERENCE: Certificate of Conformity - Knock Out Drum (Siemei
Download this file 392 KB
Category: -Plan Review REFERENCE ONLY

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This message was sent to Ed Warner, Elizabeth Wall, Jeremy Lawson, Joe Bittner, Marc Pelletier, Michael DeBortoli, Nancy Hays, Stacey Smith, and Susan Christopherson.

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Exhibit 6 Compliance Matrix

LODI ENERGY CENTER CONSTRUCTION COMPLIANCE MATRIX
BASED ON CEC FINAL DECISION

Pre-Const	Construction	Commiss.	Operations	To CEC or Agency	Approved by CEC

Cond. #	Sort Code	Description of Project Owner's Responsibilities	Verification/Action/Submittal Required by Project Owner	Timeframe	Date Due to CEC CPM	Lead Respons. Party	Date sent to CEC, CBO or agency	NCPA Log #	CEC Status
AQ-001	PC	**[CONDITIONS AQ-1 through 69 relate to Combustion Turbine, Unit N-2697-5-0]** Permitee shall not begin actual on-site construction of the equipment authorized by this ATC until the lead agency satisfies the requirements of CEQA.	Make the site available for inspection by representatives of the District, ARB, and the Commission upon request.	CEC Final Decision	Complete	NCPA	5/5/10	2010-020	Approved 6/29/10
AQ-002	CONS	The ATC serves as a written certificate of conformity with the procedural requirements of 40 CFR 70.7 and 70.8 and with the compliance requirements of 40 CFR 70.6(c).	No verification necessary.	None	Complete	NCPA			
AQ-003	CONS	The facility shall submit an application to modify the Title V permit with an administrative amendment in accordance with District Rule 2520 Section 5.3.4.	Submit the Title V Operating Permit application to both the District and CPM.	Prior to operation	Complete	Sierra Research	4/3/12	Sent by SR	Approved 7/2/12
AQ-004	OPS	Notify the District of any breakdown condition as soon as reasonably possible, but no later than one hour after its detection, unless the owner or operator demonstrates to the District's satisfaction that the longer reporting period was necessary.	A summary of significant operation and maintenance events and monitoring records required shall be included in the QOR (AQ SC8).	30 days after end of quarter	10/30/12	NCPA			
AQ-005	OPS	The District shall be notified in writing within ten days following the correction of any breakdown condition. The breakdown notification shall include a description of the equipment malfunction or failure, the date and cause of the initial failure, the estimated emissions in excess of those allowed, and the methods utilized to restore normal operations.	A summary of significant operation and maintenance events and monitoring records required shall be included in the QOR.	30 days after end of quarter	10/30/12	NCPA			
AQ-006	OPS	No air contaminant shall be released into the atmosphere which causes a public nuisance.	Make the site available for inspection by representatives of the District, ARB, and the Commission upon request.	As required	As required	NCPA			
AQ-007	COMM	Particulate matter emissions from the gas turbine system shall not exceed 0.1 grains/dscf in concentration	Submit the results of source tests to both the District and CPM in accordance with AQ-46.	Within 60 days after testing	12/6/12	ARB			
AQ-008	COMM	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 20% opacity.	Make the site available for inspection by representatives of the District, ARB, and the Commission upon request.	As required	As required	NCPA			
AQ-009	COMM	APCO or an authorized representative shall be allowed to inspect the required monitoring devices to ensure that such devices are functioning properly.	Make the site available for inspection by representatives of the District, ARB, and the Commission upon request.	As required	As required	NCPA			
AQ-010	COMM	Commissioning activities are defined as, but not limited to, all testing, adjustment, tuning, and calibration activities recommended by the equipment manufacturers and the construction contractor to ensure safe and reliable steady state operation of the gas turbine and associated electrical delivery systems.	No verification necessary.	None	None	ARB			
AQ-011	COMM	Commissioning period shall commence when all mechanical, electrical, and control systems are installed and individual system startup has been completed, or when a gas turbine is first fired, whichever occurs first. ***The commissioning period shall terminate when the plant has completed initial source testing, completed final plant tuning, and is available for commercial operation.***	Submit a commissioning plan to the CPM and APCO for approval that describes the procedures to be followed during the commissioning period and the anticipated duration of each commissioning activity.	30 days prior to first fire of the gas turbine	Complete	ARB	4/3/12	Sent by CH2	Approved 4/16/12

Cond. #	Sort Code	Description of Project Owner's Responsibilities	Verification/Action/Submittal Required by Project Owner	Timeframe	Date Due to CEC CPM	Lead Respons. Party	Date sent to CEC, CBO or agency	NCPA Log #	CEC Status
AQ-012	COMM	During the commissioning period, emission rates from the gas turbine system shall not exceed any of the following limits: NOx (as NO2) - 400.00 lb/hr and 4,000 lb/day; VOC (as CH4) - 16.00 lb/hr and 192.0 lb/day; CO - 2,000 lb/hr and 20,000 lb/day; PM10 - 9.00 lb/hr and 108.0 lb/day; or SOx (as SO2) - 6.10 lb/hr and 73.1 lb/day.	A summary of significant operation and maintenance events and monitoring records required shall be included in the QOR (QOR) required by AQ-SC8.	30 days after end of quarter	10/30/12	NCPA		Copy of variance sent to CEC in 2012-017 7/13/12; variance approval sent in 2012-024 on 9/11/12	Pending CEC Approval
AQ-013	COMM	During commissioning period, NOx and CO emission rate shall be monitored using installed and calibrated CEMS.	Submit to the CPM and APCO for approval the commissioning plan as required in AQ-11.	30 days prior to first fire of the gas turbine	Complete	ARB	4/3/12	Sent to APCO by Sierra Research	Approved 4/16/12
AQ-014	COMM	Total mass emissions of NOx, VOC, CO, PM10 and SOx that are emitted during the commissioning period shall accrue towards the quarterly emission limits.	A summary of significant operation and maintenance events and monitoring records required shall be included in the QOR as required by AQSC-08.	30 days after end of quarter	10/30/12	NCPA			
AQ-015	COMM	During commissioning period, the owner or operator shall keep records of the natural gas fuel combusted in the gas turbine system on hourly and daily basis.	A summary of significant operation and maintenance events and monitoring records required shall be included in the QOR as required by AQSC-08.	30 days after end of quarter	10/30/12	NCPA			
AQ-016	OPS	The duration of startup or shutdown period shall not exceed 3.0 hours per event for any type of startup event (hot, warm, or cold).	A summary of significant operation and maintenance events and monitoring records required shall be included in the QOR as required by AQSC-08.	30 days after end of quarter	10/30/12	NCPA			
AQ-017	OPS	The combined startup and shutdown duration for all events shall not exceed 6.0 hours during any one day.	A summary of significant operation and maintenance events and monitoring records required shall be included in the QOR as required by AQSC-08.	30 days after end of quarter	10/30/12	NCPA			
AQ-018	OPS	Maintain records of the date, start-up time, downtime for gas turbine and the steam turbine prior to startup, startup type, minute-by-minute turbine load (MW), and NOx and CO concentrations (ppmvd @ 15% O2) measurement using CEMS, for each startup event in the first 12 months of operation following the end of the commissioning period.	Make the site available for inspection by representatives of the District, ARB, and the Commission upon request.	As required	As required	NCPA			
AQ-019	OPS	Submit proposed new time limits for each type of startup that reflect the effect of "Flex Plant 30" fast start-up technology. The proposed time limits shall be based on the required data collected in the first 12 months of operation following the end of the commissioning period. The submittal must include all CEMS data.	Submit info to the District, the CARB and the EPA.	Within 15 months of end of commissioning period	2/2/14	NCPA			
AQ-020	OPS	A margin of compliance of 60 minutes (or less) may be added to the longest startup to establish a startup limit for each type of startup event (hot, warm, or cold). Established startup limit shall not exceed 3.0 hours.	Submit info to the District, the CARB and the EPA.	Within 15 months of end of commissioning period	2/2/14	NCPA			
AQ-021	OPS	The District shall administratively establish appropriate startup times for each startup mode (hot, warm, or cold), and associated recordkeeping requirements.	Submit info to the District, the CARB and the EPA.	Within 15 months of end of commissioning period	2/2/14	NCPA			

Cond. #	Sort Code	Description of Project Owner's Responsibilities	Verification/Action/Submittal Required by Project Owner	Timeframe	Date Due to CEC CPM	Lead Respons. Party	Date sent to CEC, CBO or agency	NCPA Log #	CEC Status
AQ-022	PC	During all types of operation, including startup (cold, warm and hot) and shutdown periods, ammonia injection into the SCR system shall occur once the minimum temperature at the catalyst face has been reached to ensure NOx emission reductions can occur with a reasonable level of ammonia slip. The minimum catalyst face temperature shall be determined during the final design phase of this project and shall be submitted to the District at least 30 days prior to commencement of construction. [District Rule 2201]	The minimum catalyst face temperature shall be determined during the final design phase of this project and shall be submitted to the District.	At least 30 days prior to commencement of construction	Complete	WP	5/19/10	2010-027	Approved 6/29/10
AQ-023	COMM	The District shall administratively add the minimum temperature limitation established pursuant to the above condition in the final Permit to Operate.	Make the site available for inspection by representatives of the District, ARB, and the Commission upon request.	As required	As required	NCPA			
AQ-024	CONS	The SCR system shall be equipped with a continuous temperature monitoring system to measure and record the temperature at the catalyst face.	Make the site available for inspection by representatives of the District, ARB, and the Commission upon request.	SCR install	As required	NCPA			
AQ-025	OPS	During start-up and shutdown periods, the emissions shall not exceed any of the following limits: NOx (as NO2) - 160.00 lb/hr; CO - 900.00 lb/hr; VOC (as methane) - 16.00 lb/hr; PM10 - 9.00 lb/hr; SOx (as SO2) - 6.10 lb/hr; or Ammonia (NH3) - 28.76 lb/hr.	A summary of significant operation and maintenance events and monitoring records required shall be included in the QOR as required by AQSC-08.	30 days after end of quarter	10/30/12	NCPA			
AQ-026	COMM	Start-up is defined as the period of time during which a unit is brought from a shutdown status to its operating temperature and pressure, including the time required by the unit's emission control system to reach full operation.	No verification necessary.	None	None	NCPA			
AQ-027	COMM	Shutdown is defined as the period of time during which a unit is taken from an operational to a non-operational status ending when the fuel supply to the unit is completely turned off. [District Rule 4703, 3.26]	No verification necessary.	None	None	NCPA			
AQ-028	OPS	The emission control systems shall be in operation and emissions shall be minimized insofar as technologically feasible during startup and shutdown.	Submit to the District and CPM the startup and shutdown event duration data demonstrating compliance with this condition as part of the QOR as required by AQSC-08.	30 days after end of quarter	10/30/12	NCPA			
AQ-029	OPS	Except during startup and shutdown periods, emissions from the gas turbine system shall not exceed any of the following limits: NOx (as NO2) - 15.54 lb/hr and 2.0 ppmvd @ 15% O2; CO – 9.46 lb/hr and 2.0 ppmvd @ 15% O2; VOC (as methane) - 3.79 lb/hr and 1.4 ppmvd @ 15% O2; PM10 - 9.0 lb/hr; or SOx (as SO2) - 6.10 lb/hr. NOx (as NO2) emission limits are based on 1-hour rolling average period. All other emission limits are based on 3-hour rolling average period.	A summary of significant operation and maintenance events and monitoring records required shall be included in the QOR as required by AQSC-08.	30 days after end of quarter	10/30/12	NCPA			
AQ-030	OPS	NH3 emissions shall not exceed any of the following limits: 10.0 ppmvd @ 15% O2 over a 24-hour rolling average period, and 28.76 lb/hr while gas turbine system operates.	A summary of significant operation and maintenance events and monitoring records required shall be included in the QOR as required by AQSC-08.	30 days after end of quarter	10/30/12	NCPA			
AQ-031	COMM	Each 3-hour rolling average period will be compiled from the three most recent one hour periods. Each one hour period shall commence on the hour. Each one hour period in a twenty-four hour average for ammonia slip will commence on the hour. The twenty-four hour average will be calculated using the most recent twenty-four one-hour periods.	No verification necessary.	None	None	ARB			

Cond. #	Sort Code	Description of Project Owner's Responsibilities	Verification/Action/Submittal Required by Project Owner	Timeframe	Date Due to CEC CPM	Lead Respons. Party	Date sent to CEC, CBO or agency	NCPA Log #	CEC Status
AQ-032	OPS	Emissions from the gas turbine system, on days when a startup and/or shutdown occurs, shall not exceed the following limits: NOx (as NO2) - 879.7 lb/day; CO - 5,570.3 lb/day; VOC - 164.2 lb/day; PM10 - 216.0 lb/day; SOx (as SO2) - 146.4 lb/day, or NH3 - 690.3 lb/day. Daily emissions shall be compiled for a twenty-four hour period starting and ending at twelve-midnight.	A summary of significant operation and maintenance events and monitoring records required shall be included in the QOR as required by AQSC-08.	30 days after end of quarter	10/30/12	NCPA			
AQ-033	OPS	Emissions from the gas turbine system, on days when a startup and/or shutdown does not occur, shall not exceed the following: NOX (as NO2) - 373.0 lb/day; CO - 227.0 lb/day; VOC - 91.0 lb/day; PM10 - 216.0 lb/day; SOX (as SO2) - 146.4 lb/day, or NH3 - 690.3 lb/day. Daily emissions will be compiled for a twenty-four hour period starting and ending at twelve-midnight.	A summary of significant operation and maintenance events and monitoring records required shall be included in the QOR as required by AQSC-08.	30 days after end of quarter	10/30/12	NCPA			
AQ-034	OPS	Gas turbine system shall be fired on PUC-regulated natural gas with a sulfur content of no greater than 1.0 grain of sulfur compounds per 100 dscf of natural gas.	The result of the natural gas fuel sulfur monitoring data and other fuel sulfur content source data shall be submitted to the District and CPM in the QOR.	30 days after end of quarter	10/30/12	NCPA			
AQ-035	OPS	NOx (as NO2) emissions from the gas turbine system shall not exceed any of the following: 1Q: 38,038 lb; 2Q: 38,411 lb; 3Q: 37,126 lb; 4Q: 37,840 lb.	A summary of significant operation and maintenance events and monitoring records required shall be included in the QOR as required by AQSC-08.	30 days after end of quarter	10/30/12	NCPA			
AQ-036	OPS	CO emissions from the gas turbine system shall not exceed any of the following: 1Q: 142,312 lb; 2Q: 142,539 lb; 3Q: 86,374 lb; 4Q: 113,660 lb.	A summary of significant operation and maintenance events and monitoring records required shall be included in the QOR as required by AQSC-08.	30 days after end of quarter	10/30/12	NCPA		Copy of variance sent to CEC in 2012-017 7/13/12; variance approval sent in 2012-024 on 9/11/12	Pending CEC Approval
AQ-037	OPS	VOC emissions from the gas turbine system shall not exceed any of the following: 1Q: 8,086 lb; 2Q: 8,177 lb; 3Q: 8,417 lb; 4Q: 8,323 lb.	A summary of significant operation and maintenance events and monitoring records required shall be included in the QOR as required by AQSC-08.	30 days after end of quarter	10/30/12	NCPA			
AQ-038	OPS	NH3 emissions from the SCR system shall not exceed any of the following: 1Q: 62,122 lb; 2Q: 62,812 lb; 3Q: 63,502 lb; 4Q: 63,502 lb.	A summary of significant operation and maintenance events and monitoring records required shall be included in the QOR as required by AQSC-08.	30 days after end of quarter	10/30/12	NCPA			
AQ-039	OPS	PM10 emissions from the gas turbine system shall not exceed any of the following: 1Q: 19,440 lb; 2Q: 19,656 lb; 3Q: 19,872 lb; 4Q: 19,872 lb.	A summary of significant operation and maintenance events and monitoring records required shall be included in the QOR as required by AQSC-08.	30 days after end of quarter	10/30/12	NCPA			
AQ-040	OPS	SOx (as SO2) emissions from the gas turbine system shall not exceed any of the following: 1Q: 13,176 lb; 2Q: 13,322 lb; 3Q: 13,469 lb; 4Q: 13,469 lb.	A summary of significant operation and maintenance events and monitoring records required shall be included in the QOR as required by AQSC-08.	30 days after end of quarter	10/30/12	NCPA			
AQ-041	OPS	The total CO emissions from the gas turbine system (N-2697-5) and the auxiliary boiler (N-2697-7) shall not exceed 198,000 pounds in any 12-consecutive month rolling period.	A summary of significant operation and maintenance events and monitoring records required shall be included in the QOR as required by AQSC-08.	30 days after end of quarter	10/30/12	NCPA			
AQ-042	COMM	A SCR system and an oxidation catalyst shall serve the gas turbine system.	Make the site available for inspection by representatives of the District, ARB, and the CEC upon request.	As required	As required	ARB			

Cond. #	Sort Code	Description of Project Owner's Responsibilities	Verification/Action/Submittal Required by Project Owner	Timeframe	Date Due to CEC CPM	Lead Respons. Party	Date sent to CEC, CBO or agency	NCPA Log #	CEC Status
AQ-043	CONS	The gas turbine engine and generator lube oil vents shall be equipped with mist eliminators or equivalent technology sufficient to limit the visible emissions from the lube oil vents to not exceed 5% opacity, except for a period not exceeding three minutes in any one hour.	Make the site available for inspection by representatives of the District, ARB, and the CEC upon request.	As required	As required	NCPA			
AQ-044a	COMM	Source testing shall be conducted using the methods and procedures approved by the District.	Submit the proposed source test plan or protocol for the source tests to both the District and CPM for approval.	15 days prior to proposed source test date	10/22/12	Sierra Research			
AQ-044b	COMM	Source testing shall be conducted using the methods and procedures approved by the District.	Notify the District and CPM of the proposed source test date and time.	30 days prior to the proposed source test date and time	Complete	Sierra Research	7/25/12	Email	Approved 8/20/12
AQ-044c	COMM	Source testing shall be conducted using the methods and procedures approved by the District.	Submit source test results to the CEC CPM and District.	No later than 60 days following the source test	1/8/13	Sierra Research			
AQ-045	COMM	Source testing shall be witnessed or authorized by District personnel and samples shall be collected by a California Air Resources Board (CARB) certified testing laboratory or a CARB certified source testing firm.	Submit the proposed protocol for the source tests to both the District and CPM for approval in accordance with condition AQ-44.	15 days prior to proposed source test date	10/22/12	Sierra Research			
AQ-046a	COMM	Source testing to measure start-up emission rates of NOx, CO and VOC shall be conducted before the end of commissioning period and at least once every seven years thereafter. CEM relative accuracy for NOx and CO shall be determined during startup and shutdown source testing in accordance with 40 CFR 60, Appendix F (Relative Accuracy Audit). If CEM data is not certifiable to determine compliance with NOX and CO startup emission limits, then startup and shutdown NOx and CO testing shall be conducted every 12 months.	Submit results and field data collected during source tests to the District and CPM.	Within 60 days of testing	1/8/13	Sierra Research			
AQ-046b	COMM	Testing for startup and shutdown emissions shall be conducted upon initial operation and at least once every seven years.	Submit source test results to the CEC CPM and District.	Upon initial operation and at least once every 7 years	1/8/13	Sierra Research			
AQ-046c	OPS	Testing for startup and shutdown emissions shall be conducted at least once every seven years.	Submit source test results to the CEC CPM and District.	At least once every 7 years	1/8/13	NCPA			
AQ-047a	COMM	Source testing to determine compliance with the NOx, CO, VOC, and NH3 emission rates (lb/hr and ppmvd @ 15% O2) and PM10 emission rate (lb/hr) shall be conducted before the end of commissioning period and at least once every 12 months thereafter.	Submit results and field data collected during source tests to the District and CPM according to a pre-approved protocol (AQ-44). Testing for steady-state emissions shall be conducted upon initial operation and at least once every 12 months.	Within 60 days of testing	1/5/13	Sierra Research			
AQ-047b	COMM	Testing for steady state emissions shall be conducted upon initial operation .	Submit source test results to the CEC CPM and District.	Upon initial operation	1/8/13	Sierra Research			
AQ-047c	OPS	Testing for steady state emissions shall be conducted upon initial operation and at least once every seven years.	Submit source test results to the CEC CPM and District.	At least once every 7 years	1/8/13	NCPA			

Cond. #	Sort Code	Description of Project Owner's Responsibilities	Verification/Action/Submittal Required by Project Owner	Timeframe	Date Due to CEC CPM	Lead Respons. Party	Date sent to CEC, CBO or agency	NCPA Log #	CEC Status
AQ-048	COMM	The sulfur content of each fuel source shall be: (i) documented in a valid purchase contract, a supplier certification, a tariff sheet or transportation contract, or (ii) monitored within 60 days after the end of commissioning period and weekly thereafter. If the sulfur content is less than or equal to 1.0 gr/100 dscf for eight consecutive weeks, then the monitoring frequency shall be every six months. If the result of any six month monitoring demonstrates that the fuel does not meet the fuel sulfur content limit, weekly monitoring shall resume until compliance is demonstrated for eight consecutive weeks.	The result of the natural gas fuel sulfur monitoring data and other fuel sulfur content source data shall be submitted to the District and CPM in the QOR.	30 days after end of quarter	10/30/12	NCPA			
AQ-049	COMM	The following test methods shall be used: NOx - EPA Method 7E or 20 or CARB Method 100; CO - EPA Method 10 or 10B or CARB Method 100; VOC - EPA Method 18 or 25; PM10 - EPA Method 5 (front half and back half) or 201 and 202a; ammonia - BAAQMD ST-1B; and O2 - EPA Method 3, 3A, or 20 or CARB Method 100. EPA approved alternative test methods as approved by the District may also be used to address the source testing requirements of this permit.	Submit the proposed protocol for the source tests to both the District and CPM for approval in accordance with condition AQ-44.	15 days prior to proposed source test date	10/22/12	Sierra Research			
AQ-050	OPS	Fuel sulfur content shall be monitored using one of the following methods: ASTM Methods D1072, D3246, D4084, D4468, D4810, D6228, D6667 or Gas Processors Association Standard 2377.	Results of the natural gas fuel sulfur monitoring data and other fuel sulfur content source data shall be submitted to the District and CPM in the QOR.	30 days after end of quarter	10/30/12	NCPA			
AQ-051	COMM	The results of each source test shall be submitted to the District within 60 days thereafter.	Submit the source test report of results to both the CEC and District.	Within 60 days of testing	1/8/13	Sierra Research			
AQ-052	CONS	A non-resettable, totalizing mass or volumetric fuel flow meter to measure the amount of natural gas combusted in the unit shall be installed, utilized and maintained.	Make the site available for inspection by representatives of the District, ARB, and the CEC upon request.	As required	As required	NCPA			
AQ-053	COMM	The owner or operator shall install, certify, maintain, operate, and quality-assure a CEMS which continuously measures and records the exhaust gas NOx, CO, and O2 concentrations. CEMS shall monitor emissions during all types of operation, including during startup and shutdown periods, provided the CEMS passes the relative accuracy requirement for startups and shutdowns specified herein. If relative accuracy of CEMS cannot be demonstrated during startup conditions, CEMS results during startup and shutdown events shall be replaced with startup emission rates obtained from source testing to determine compliance with emission limits contained in this document.	The project owner shall make the site available for inspection by representatives of the District, ARB and the Commission to verify the continuous monitoring system is properly installed and operational.	As required	As required	ARB			
AQ-054	OPS	The NOx and O2 CEMS shall be installed and certified in accordance with the requirements of 40 CFR Part 75. The CO CEMS shall meet the requirements in 40 CFR 60, Appendix F Procedure 1 and Part 60, Appendix B Performance Specification 4A (PS 4A), or shall meet equivalent specifications established by mutual agreement of the District, the CARB, and the EPA.	Submit to the CPM and APCO CEMS audits demonstrating compliance with this condition as part of the QOR.	30 days after end of quarter	10/30/12	NCPA			
AQ-055	OPS	The CEMS shall complete a minimum of one cycle of operation (sampling, analyzing, and data recording) for each 15-minute quadrant of the hour or shall meet equivalent specifications established by mutual agreement of the District, the CARB and the EPA.	Submit to the CPM and APCO CEMS audits demonstrating compliance with this condition as part of the QOR.	30 days after end of quarter	10/30/12	NCPA			

Cond. #	Sort Code	Description of Project Owner's Responsibilities	Verification/Action/Submittal Required by Project Owner	Timeframe	Date Due to CEC CPM	Lead Respons. Party	Date sent to CEC, CBO or agency	NCPA Log #	CEC Status
AQ-056	OPS	The CEMS data shall be reduced to hourly averages as specified in §60.13(h) and in accordance with §60.4350, or by other methods deemed equivalent by mutual agreement with the District, the CARB, and the EPA.	Submit to the CPM and APCO the CEMS data reduced in compliance with this condition as part of the QOR.	30 days after end of quarter	10/30/12	NCPA			
AQ-057	OPS	In accordance with 40 CFR Part 60, Appendix F, 5.1, each CO CEMS must be audited at least once each calendar quarter by conducting cylinder gas audits or relative accuracy audits. CGA or RAA may be conducted three of four calendar quarters, but no more than three calendar quarters in succession.	Submit the CEMS audits demonstrating compliance with this condition as part of the QOR to the CPM and APCO.	30 days after end of quarter	10/30/12	NCPA			
AQ-058	OPS	The owner or operator shall perform RATA for NOx, CO and O2 as specified by 40 CFR Part 60, Appendix F, 5.1.1, at least once every four calendar quarters. The permittee shall comply with the applicable requirements for quality assurance testing and maintenance of the continuous emission monitor equipment in accordance with the procedures and guidance specified in 40 CFR Part 60, Appendix F.	Submit the CEMS audits demonstrating compliance with this condition as part of the QOR to the CPM and APCO.	30 days after end of quarter	10/30/12	NCPA			
AQ-059	OPS	The NOx and O2 CEMS shall be audited in accordance with the applicable requirements of 40 CFR Part 75. Linearity reports shall be submitted along with QORs to the District.	Submit the CEMS audits demonstrating compliance with this condition as part of the QOR to the CPM and APCO.	30 days after end of quarter	10/30/12	NCPA			
AQ-060	COMM	Upon written notice from the District, the owner or operator shall provide a summary of the data obtained from the CEMS. This summary shall be in the form and the manner prescribed by the District.	Make the site available for inspection by representatives of the District, ARB, and the CEC upon request.	As required	As required	ARB			
AQ-061	CONS	The facility shall install and maintain equipment, facilities, and systems compatible with the District's CEMS data polling software system and shall make CEMS data available to the District's automated polling system on a daily basis. Upon notice by the District that the facility's CEMS is not providing polling data, the facility may continue to operate without providing automated data for a maximum of 30 days per calendar year provided the CEMS data is sent to the District by a District-approved alternative method.	Provide a CEMS protocol for approval by the APCO and CPM. The project owner shall make the site available for inspection by representatives of the District, ARB and the Commission upon request.	at least 60 days prior to installation of the CEMS	Complete	ARB	9/14/11	2011-017	Approved 10/12/11
AQ-062	OPS	The owner or operator shall maintain the following records: the date, time and duration of any malfunction of the continuous monitoring equipment; dates of performance testing; dates of evaluations, calibrations, checks, and adjustments of the continuous monitoring equipment; date and time period which a continuous monitoring system or monitoring device was inoperative.	A summary of significant operation and maintenance events and monitoring records required shall be included in the QOR.	30 days after end of quarter	10/30/12	NCPA			
AQ-063	CONS	The exhaust stack shall be equipped with permanent provisions to allow collection of stack gas samples consistent with EPA test methods and shall be equipped with safe permanent provisions to sample stack gases with a portable NOx, CO, and O2 analyzer during District inspections. The sampling ports shall be located in accordance with the CARB regulation titled California Air Resources Board Air Monitoring Quality Assurance Volume VI, Standard Operating Procedures for Stationary Emission Monitoring and Testing.	Make the site available for inspection by representatives of the District, ARB, and the CEC upon request.	As required	As required	NCPA			
AQ-064	COMM	Monitor Downtime is defined as any unit operating hour in which the data for NOx, CO2 or O2 concentrations is either missing or invalid.	No verification necessary.	None	None	NCPA			

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AQ-065	OPS	The owner or operator shall maintain records of the following items: 1) hourly and daily emissions, in pounds, for each pollutant listed in this permit on the days startup and or shutdown of the gas turbine system occurs, 2) hourly and daily emissions, in pounds, for each pollutant in this permit on the days startup and or shutdown of the gas turbine system does not occur, 3) quarterly emissions, in pounds, for each pollutant listed in this permit, and and 4) the combined CO emissions (12 consecutive month rolling total) in pounds, for permit unit N-2697-5 and N-2697-7.	A summary of significant operation and maintenance events and monitoring records required shall be included in the QOR.	30 days after end of quarter	10/30/12	NCPA			
AQ-066	OPS	The owner or operator shall maintain a stationary gas turbine system operating log that includes, on a daily basis, the actual local startup and stop time, total hours of operation, the type and quantity of fuel used, mode of start-up (cold, warm, or hot), duration of each start-up, and duration of each shutdown.	A summary of significant operation and maintenance events and monitoring records required shall be included in the QOR.	30 days after end of quarter	10/30/12	NCPA			
AQ-067	COMM	The owner or operator shall maintain all records of required monitoring data and support information for a period of five years from the date of data entry and shall make such records available to the District upon request.	Make the site available for inspection by representatives of the District, ARB, and the CEC upon request.	As required	As required	NCPA			
AQ-068	OPS	Submit a written report of CEM operations for each calendar quarter to the District. (See condition for list of specific items that need to be included in the report.)	Submit to the District and CPM the report of CEM operations, emission data, and monitor downtime data in the quarterly operation report (AQ-SC8) that follows the definitions of this condition.	30 days after end of quarter	10/30/12	NCPA			
AQ-069	OPS	Submit to the District information correlating the NOx control system operating parameters to the associated measured NOx output. The information must be sufficient to allow the District to determine compliance with the NOx emission limits of this permit when the CEMS is not operating properly.	Submit to the District and CPM the report of CEM operations, emission data, and monitor downtime data in the QOR.	30 days after end of quarter	10/30/12	NCPA			
AQ-070	COMM	**[CONDITIONS AQ-70 through 79 relate to Facility Wide Offsets]** Prior to operating under ATCs N-2697-5-0 and N-2697-7-0, the permittee shall mitigate the following quantities of NOx: Q1: 38,348 lb, Q2: 38,721 lb, Q3: 37,436 lb, and Q4: 38,150 lb. Offsets shall be provided at the applicable offset ratio specified in Table 4-2 of Rule 2201 (as amended 9/21/06).	Submit to both the District and CPM records showing that the project's offset requirements have been met.	Prior to initiating operation	Complete	NCPA	4/9/10	2010-010	Approved 6/29/10
AQ-071	COMM	NOx ERCs S-2857-2, S-2848-2, S-2849-2, S-2850-2, S-2851-2, S-2852-2, S-2854-2, S-2855-2, C-915-2, C-916-2, C-914-2, N-755-2, N-754-2, S-2894-2 and S-2895-2 (or a certificate split from any of these certificates) shall be used to supply the required NOx offsets, unless a revised offsetting proposal is received and approved by the District.	Submit to both the District and CPM records showing that the project's offset requirements have been met.	Prior to initiating operation	Complete	NCPA	4/9/10	2010-010	Approved 6/29/10
AQ-072	COMM	Prior to operating under ATCs N-2697-5-0 and N-2697-7-0, the permittee shall mitigate the following quantities of VOC: 1st quarter: 8,240 lb, 2nd quarter: 8,331 lb, 3rd quarter: 8,571 lb, and 4th quarter: 8,477 lb. Offsets shall be provided at the applicable offset ratio specified in Table 4-2 of Rule 2201.	Submit to both the District and CPM records showing that the project's offset requirements have been met.	Prior to initiating operation	Complete	NCPA	11/25/11	2011-25	Approved 12/14/11

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AQ-073	COMM	VOC ERC S-2860-1, and NOx ERCs S-2857-2, S-2848-2, S-2849-2, S-2850-2, S-2851-2, S-2852-2, S-2854-2, S-2855-2, C-915-2, C-916-2, C-914-2, N-755-2, N-754-2, S-2894-2 and S-2895-2 (or a certificate split from any of these certificates) shall be used to supply the required VOC offsets, unless a revised offsetting proposal is received and approved by the District.	Submit to both the District and CPM records showing that the project's offset requirements have been met.	Prior to initiating operation	Complete	NCPA	4/9/10	2010-010	Approved 6/29/10
AQ-074	COMM	The District has authorized to use NOx reductions to overcome shortfall in the amount of VOC offsets at NOx/VOC interpollutant offset ratio of 1.00.	No verification necessary.	None	Complete	NCPA	11/25/11	2011-25	No approval needed
AQ-075	COMM	Prior to operating under ATCs N-2697-5-0 and N-2697-7-0, the permittee shall mitigate the following quantities of SOx: 1st quarter: 2,668 lb, 2nd quarter: 2,668 lb, 3rd quarter: 2,668 lb, and 4th quarter: 2,668 lb. Offsets shall be provided at the applicable offset ratio specified in Table 4-2 of Rule 2201 (as amended 9/21/06).	Submit to both the District and CPM records showing that the project's offset requirements have been met.	Prior to initiating operation	Complete	NCPA	11/25/11	2011-25	Approved 12/14/11
AQ-076	COMM	SOx ERCs S-2843-5, S-2845-5, S-2858-5, N-759-5, N-758-5, S-2846-5 and N-757-5 (or a certificate split from any of these certificates) shall be used to supply the required SOx offsets, unless a revised offsetting proposal is received and approved by the District.	Submit to both the District and CPM records showing that the project's offset requirements have been met.	Prior to initiating operation	Complete	NCPA	4/9/10	2010-010	Approved 6/29/10
AQ-077	COMM	Prior to operating under ATCs N-2697-5-0, N-2697-6-0 and N-2697-7-0, the permittee shall mitigate the following quantities of PM10: 1Q: 19,112 lb, 2Q: 19,112 lb, 3Q: 19,112 lb, and 4Q: 19,112 lb. Offsets shall be provided at the applicable offset ratio specified in Table 4-2 of Rule 2201 (as amended 9/21/06).	Submit to both the District and CPM records showing that the project's offset requirements have been met.	Prior to initiating operation	Complete	NCPA	11/25/11	2011-25	Approved 12/14/11
AQ-078	COMM	PM10 ERCs S-2844-4, C-911-4, N-756-4, C-913-4, C-912-4, and SOx ERCs S-2843-5, S-2845-5, S-2858-5, N-759-5, N-758-5, S-2846-5 and N-757-5 (or a certificate split from any of these certificates) shall be used to supply the required PM10 offsets, unless a revised offsetting proposal is received and approved by the District.	Submit to both the District and CPM records showing that the project's offset requirements have been met.	Prior to initiating operation	Complete	NCPA	4/9/10	2010-010	Approved 6/29/10
AQ-079	COMM	The District has authorized to use SOx reductions to overcome shortfall in the amount of PM10 offsets at SOx/PM10 interpollutant offset ratio of 1.00.	No verification necessary.	None	Complete	NCPA			
AQ-080	CONS	**[CONDITIONS AQ-80 through 89 relate to Facility Wide Dust Control]** Disturbances of soil related to any construction, demolition, excavation, extraction, or other earthmoving activities shall comply with the requirements for fugitive dust control in District Rule 8021 unless specifically exempted under Section 4.0 of Rule 8021 or Rule 8011.	A summary of significant construction activities and monitoring records required shall be included in the construction monthly report required by AQ-SC3.	Monthly	Include in MCR	ARB	Ongoing during construction		
AQ-081a	PC	An owner/operator shall submit a Dust Control Plan to the APCO prior to the start of any construction activity on any site that will include 10 acres or more of disturbed surface area for residential developments, or five acres or more of disturbed surface area for non-residential development, or will include moving, depositing, or relocating more than 2,500 cubic yards per day of bulk materials on at least three days.	The Dust Control Plan shall be included within the Air Quality Construction Mitigation Plan and submitted to the District and CPM (AQ-SC3).	At least 30 days prior to the start of site mobilization	Complete	Sierra Research	5/12/10	2010-021	Approved 6/29/10
AQ-081b	CONS	A summary of significant construction activities and monitoring records required shall be included in the construction monthly compliance report required by AQSC-3.	Submit the required information to the CEC as part of the MCR.	Monthly	Complete	ARB	Ongoing during construction		

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AQ-082	CONS	An owner/operator shall prevent or cleanup any carryout or trackout in accordance with the requirements of District Rule 8041 Section 5.0, unless specifically exempted under Section 4.0 of Rule 8041 or Rule 8011.	Make the site available for inspection by representatives of the District, ARB, and the CEC upon request.	As required	Complete	ARB	Ongoing during construction		
AQ-083	CONS	Whenever open areas are disturbed, or vehicles are used in open areas, the facility shall comply with the requirements of Section 5.0 of District Rule 8051, unless specifically exempted under Section 4.0 of Rule 8051 or Rule 8011.	Make the site available for inspection by representatives of the District, ARB, and the CEC upon request.	As required	Complete	ARB	Ongoing during construction		
AQ-084	CONS	Any paved road or unpaved road shall comply with the requirements of District Rule 8061 unless specifically exempted under Section 4.0 of Rule 8061 or Rule 8011.	Make the site available for inspection by representatives of the District, ARB, and the CEC upon request.	As required	Complete	ARB	Ongoing during construction		
AQ-085	CONS	Water, gravel, roadmix, or chemical/organic dust stabilizers/suppressants, vegetative materials, or other District-approved control measure shall be applied to unpaved vehicle travel areas as required to limit Visible Dust Emissions to 20% opacity and comply with the requirements for a stabilized unpaved road as defined in Section 3.59 of District Rule 8011.	Make the site available for inspection by representatives of the District, ARB, and the CEC upon request.	As required	Complete	ARB	Ongoing during construction		
AQ-086	CONS	Where dusting materials are allowed to accumulate on paved surfaces, the accumulation shall be removed daily or water and/or chemical/organic dust stabilizers/suppressants shall be applied to the paved surface as required to maintain continuous compliance with the requirements for a stabilized unpaved road as defined in Section 3.59 of District Rule 8011 and limit Visible Dust Emissions (VDE) to 20% opacity.	Make the site available for inspection by representatives of the District, ARB, and the CEC upon request.	As required	Complete	ARB	Ongoing during construction		
AQ-087	CONS	On each day that 50 or more Vehicle Daily Trips or 25 or more Vehicle Daily Trips with three axles or more will occur on an unpaved vehicle/equipment traffic area, permittee shall apply water, gravel, roadmix, or chemical/ organic dust stabilizers/suppressants, vegetative materials, or other District-approved control measure as required to limit Visible Dust Emissions to 20% opacity and comply with the requirements for a stabilized unpaved road as defined in Section 3.59 of District Rule 8011.	Make the site available for inspection by representatives of the District, ARB, and the CEC upon request.	As required	Complete	ARB	Ongoing during construction		
AQ-088	CONS	Whenever any portion of the site becomes inactive, Permittee shall restrict access and periodically stabilize any disturbed surface to comply with the conditions for a stabilized surface as defined in Section 3.58 of District Rule 8011.	Make the site available for inspection by representatives of the District, ARB, and the CEC upon request.	As required	Complete	ARB	Ongoing during construction		
AQ-089	OPS	Records and other supporting documentation shall be maintained as required to demonstrate compliance with the requirements of the rules under Regulation VIII only for those days that a control measure was implemented. Such records shall include the type of control measure(s) used, the location and extent of coverage, and the date, amount, and frequency of application of dust suppressant, manufacturer's dust suppressant product information sheet that identifies the name of the dust suppressant and application instructions. Records shall be kept for one year following project completion that results in the termination of all dust generating activities.	A summary of significant operation and maintenance events and monitoring records required shall be included in the QOR.	30 days after end of quarter	10/30/12	NCPA			
AQ-090	COMM	**[CONDITIONS AQ-90 through 103 relate to the Acid Rain Program]** The owners and operators of each affected source and each affected unit at the source shall have an Acid Rain permit and operate in compliance with all permit requirements. [40 CFR 72]	Submit the Acid Rain Program application to both the District and the CPM.	Prior to first fire	Complete	Sierra Research	5/6/09		Intial Acid Rain Notification sent in by SR

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AQ-091	OPS	The owners and operators and, to the extent applicable, designated representative of each affected source and each affected unit at the source shall comply with the monitoring requirements as provided in 40 CFR Part 75.	Make the site available for inspection by representatives of the District, ARB, and the CEC upon request.	As required	As required	NCPA			
AQ-092	OPS	The emissions measurements recorded and reported in accordance with 40 CFR part 75 shall be used to determine compliance by the unit with the Acid Rain emissions limitations and emissions reduction requirements for sulfur dioxide and nitrogen oxides under the Acid Rain program.	Make the site available for inspection by representatives of the District, ARB, and the CEC upon request.	As required	As required	NCPA			
AQ-093	OPS	The owners and operators of each source and each affected unit at the source shall: (i) Hold allowances, as of the allowance transfer deadline, in the unit's compliance subaccount (after deductions under 40 CFR 73.34(c)) not less than the total annual emissions of sulfur dioxide for the previous calendar year from the unit; and (ii) Comply with the applicable Acid Rain emissions limitations for sulfur dioxide.	Make the site available for inspection by representatives of the District, ARB, and the CEC upon request.	As required	As required	NCPA			
AQ-094	OPS	Each ton of sulfur dioxide emitted in excess of the Acid Rain emissions limitations for sulfur dioxide shall constitute a separate violation of the Act.	No verification necessary.	None	None	Sierra Research			
AQ-095	OPS	Allowances shall be held in, deducted from, or transferred among Allowance Tracking System accounts in accordance with the Acid Rain Program.	Make the site available for inspection by representatives of the District, ARB, and the CEC upon request.	As required	As required	NCPA			
AQ-096	OPS	An allowance shall not be deducted in order to comply with the requirements under 40 CFR part 73, prior to the calendar year for which the allowance was allocated.	Make the site available for inspection by representatives of the District, ARB, and the CEC upon request.	As required	As required	NCPA			
AQ-097	OPS	An allowance allocated by the Administrator under the Acid Rain Program is a limited authorization to emit sulfur dioxide in accordance with the Acid Rain Program. No provision of the Acid Rain Program, the Acid Rain permit application, the Acid Rain permit, or the written exemption under 40 CFR 72.7 and 72.8 and no provision of law shall be construed to limit the authority of the United States to terminate or limit such authorization.	No verification necessary.	None	None	Sierra Research			
AQ-098	OPS	An allowance allocated by the Administrator under the Acid Rain Program does not constitute a property right.	No verification necessary.	None	None	Sierra Research			
AQ-099	OPS	The designated representative of an affected unit that has excess emissions in any calendar year shall submit a proposed offset plan, as required under 40 CFR Part 77.	Submit to both the District and CPM the proposed offset plan as required by the federal rule.	As required	As required	NCPA			
AQ-100	OPS	The owners and operators of an affected unit that has excess emissions in any calendar year shall: (i) Pay without demand the penalty required, and pay up on demand the interest on that penalty; and (ii) Comply with the terms of an approved offset plan, as required by 40 CFR part 77.	Make the site available for inspection by representatives of the District, ARB, and the CEC upon request.	As required	As required	NCPA			

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AQ-101	OPS	The owners and operators of the each affected unit at the source shall keep on site the following documents for a period of five years from the date the document is created. This period may be extended for cause, at any time prior to the end of five years, in writing by the Administrator or permitting authority: (i) The certificate of representation for the designated representative for the source and all documents that demonstrate the truth of the statements in the certificate of representation, in accordance with 40 CFR 72.24; provided that the certificate and documents shall be retained on site beyond such five-year period until such documents are superceded because of the submission of a new certificate of representation changing the designated representative.	Make the site available for inspection by representatives of the District, ARB, and the CEC upon request.	As required	As required	NCPA			
AQ-102	OPS	The owners and operators of each affected unit at the source shall keep on site each of the following documents for a period of five years from the date the document is created. This period may be extended for cause, at any time prior to the end of five years, in writing by the Administrator or permitting authority; (ii) All emissions monitoring information, in accordance with 40 CFR part 75; (iii) Copies of all reports, compliance certifications and other submissions and all records made or required under the Acid Rain Program; (iv) Copies of all documents used to complete an Acid Rain permit application and any other submission that demonstrates compliance with the requirements of the Acid Rain Program.	Make the site available for inspection by representatives of the District, ARB, and the CEC upon request.	As required	Complete	NCPA	3/30/12	Initial Acid Rain Notification submitted to USEPA submitted by SR	Copy included in MCR #20
AQ-103	OPS	The designated representative of an affected source and each affected unit at the source shall submit the reports and compliance certifications required under the Acid Rain Program, including those under 40 CFR 75 Subpart I.	Submit the Acid Rain Program Application to both the District and CPM.	Prior to first fire	11/9/12	Sierra Research	5/6/09		
AQ-104	PC	**[CONDITIONS AQ-104 through 116 relate to Cooling Tower, Unit N-2697-6-0]** The permittee shall not begin actual onsite construction of the equipment authorized by this ATC until the lead agency satisfies the requirements of CEQA.	Make the site available for inspection by representatives of the District, ARB, and the CEC upon request.	As required	Complete	NCPA	5/5/10	2010-020	Approved 6/29/10
AQ-105	---	This ATC serves as a written certificate of conformity with the procedural requirements of 40 CFR 70.7 and 70.8 and with the compliance requirements of 40 CFR 70.6(c).	No verification necessary.	None	None	NCPA			
AQ-106	CONS	Prior to operating with modifications authorized by this ATC, the facility shall submit an application to modify the Title V permit with an administrative amendment in accordance with District Rule 2520 Section 5.3.4.	Submit to both the District and CPM the Title V Operating Permit application prior to operation.	Prior to operation	Complete	Sierra Research	4/3/12	Sent by SR	Approved 7/2/12
AQ-107	COMM	No air contaminant shall be released into the atmosphere which causes a public nuisance.	Make the site available for inspection by representatives of the District, ARB, and the CEC upon request.	As required	As required	NCPA			
AQ-108	OPS	Notify the District of any breakdown condition as soon as reasonably possible, but no later than one hour after its detection, unless the owner or operator demonstrates to the District's satisfaction that the longer reporting period was necessary.	A summary of significant operation and maintenance events and monitoring records required shall be included in the QOR.	30 days after end of quarter	10/30/12	NCPA			

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AQ-109	OPS	Notify the District in writing within ten days following the correction of any breakdown condition. The breakdown notification shall include a description of the equipment malfunction or failure, the date and cause of the initial failure, the estimated emissions in excess of those allowed, and the methods utilized to restore normal operations.	A summary of significant operation and maintenance events and monitoring records required shall be included in the QOR.	30 days after end of quarter	10/30/12	NCPA			
AQ-110	COMM	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 20% opacity.	Make the site available for inspection by representatives of the District, ARB, and the CEC upon request.	As required	As required	NCPA			
AQ-111	OPS	Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration.	The results of water recirculation rate and total dissolved solids concentration analysis data shall be included in the quarterly operation report (AQ-SC8).	30 days after end of quarter	10/30/12	NCPA			
AQ-112	COMM	No hexavalent chromium containing compounds shall be added to cooling tower circulating water.	Make the site available for inspection by representatives of the District, ARB, and the CEC upon request.	As required	As required	NCPA			
AQ-113	OPS	The drift rate shall not exceed 0.0005%.	A summary of significant operation and maintenance events and monitoring records required shall be included in the QOR.	30 days after end of quarter	10/30/12	NCPA			
AQ-114	OPS	PM10 emissions shall not exceed 22.4 pounds per day.	The results of water recirculation rate and total dissolved solids concentration analysis data shall be included in the quarterly operation report (AQ-SC8).	30 days after end of quarter	10/30/12	NCPA			
AQ-115	OPS	Compliance with the PM10 emission limit (lb/day) shall be demonstrated by using the following equation: Water Recirculation Rate (gal/day) x 8.34 lb/gal x Total Dissolved Solids Concentration in the blowdown water (ppm x 10E-06) x Design Drift Rate (%).	The results of water recirculation rate and total dissolved solids concentration analysis data shall be included in the quarterly operation report (AQ-SC8).	30 days after end of quarter	10/30/12	NCPA			
AQ-116	COMM	Compliance with PM10 emission limit shall be determined by blowdown water sample analysis by independent laboratory within 60 days after the end of commissioning period of the gas turbine system and at least once quarterly thereafter.	Use the results of water recirculation rate and total dissolved solids concentration analysis data to determine emissions (lb/day and grains/dscf) and the results shall be included in the quarterly operation report (AQ-SC8).	30 days after end of quarter	10/30/12	NCPA			
AQ-117	PC	**[CONDITIONS AQ-117 through 159 relate to the Rentech Aux Boiler, Unit N-2697-7-0]** The permittee shall not begin actual onsite construction of the equipment authorized by this Authority to Construct until the lead agency satisfies the requirements of the California Environmental Quality Act.	Make the site available for inspection by representatives of the District, ARB, and the CEC upon request.	As required	Complete	NCPA	5/5/10	2010-020	Approved 6/29/10
AQ-118	CONS	This Authority to Construct serves as a written certificate of conformity with the procedural requirements of 40 CFR 70.7 and 70.8 and with thecompliance requirements of 40 CFR 70.6(c).	No verification necessary.	None	Complete	NCPA			
AQ-119	COMM	Prior to operating with modifications authorized by this Authority to Construct, the facility shall submit an application to modify the Title V permit with an administrative amendment in accordance with District Rule 2520 Section 5.3.4.	Submit to both the District and CPM the Title V Operating Permit application	Prior to operation	Complete	Sierra Research	4/3/12	Sent by SR	Approved 7/2/12
AQ-120	COMM	All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere.	Make the site available for inspection by representatives of the District, ARB, and the CEC upon request.	As required	As required	NCPA			
AQ-121	COMM	No air contaminant shall be released into the atmosphere which causes a public nuisance.	Make the site available for inspection by representatives of the District, ARB, and the CEC upon request.	As required	As required	NCPA			

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AQ-122	COMM	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 20% opacity.	Make the site available for inspection by representatives of the District, ARB, and the CEC upon request.	As required	As required	NCPA			
AQ-123	OPS	Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration.	Submit the results of fuel sulfur content analysis to both the District and CPM in accordance with AQ-48.	30 days after end of quarter	10/30/12	NCPA			
AQ-124	OPS	The unit shall only be fired on PUC-regulated natural gas.	A summary of significant operation and maintenance events and monitoring records required shall be included in the QOR.	30 days after end of quarter	10/30/12	NCPA			
AQ-125	COMM	A non-resettable, totalizing mass or volumetric fuel flow meter to measure the amount of natural gas combusted in the unit shall be installed, utilized and maintained.	Make the site available for inspection by representatives of the District, ARB, and the CEC upon request.	As required	As required	NCPA			
AQ-126	COMM	The total mass emissions of NOx, VOC, CO, PM10 and SOx that are emitted during the commissioning period shall accrue towards the quarterly emission limits.	A summary of significant operation and maintenance events and monitoring records required shall be included in the QOR.	30 days after end of quarter	10/30/12	NCPA			
AQ-127	OPS	The owner or operator shall keep records of the natural gas fuel combusted in the boiler on daily basis.	A summary of significant operation and maintenance events and monitoring records required shall be included in the QOR.	30 days after end of quarter	10/30/12	NCPA			
AQ-128	OPS	The owner or operator shall notify the District of any breakdown condition as soon as reasonably possible, but no later than one hour after its detection, unless the owner or operator demonstrates to the District's satisfaction that the longer reporting period was necessary.	A summary of significant operation and maintenance events and monitoring records required shall be included in the QOR.	30 days after end of quarter	10/30/12	NCPA			
AQ-129	OPS	The District shall be notified in writing within ten days following the correction of any breakdown condition. The breakdown notification shall include a description of the equipment malfunction or failure, the date and cause of the initial failure, the estimated emissions in excess of those allowed, and the methods utilized to restore normal operations.	A summary of significant operation and maintenance events and monitoring records required shall be included in the QOR.	30 days after end of quarter	10/30/12	NCPA			
AQ-130	OPS	NOx (as NO2) emissions shall not exceed 7.0 ppmvd @ 3% O2.	A summary of significant operation and maintenance events and monitoring records required shall be included in the QOR.	30 days after end of quarter	10/30/12	NCPA			
AQ-131	OPS	CO emissions shall not exceed 50 ppmvd @ 3% O2.	A summary of significant operation and maintenance events and monitoring records required shall be included in the QOR.	30 days after end of quarter	10/30/12	NCPA	9/20/12	2012-026 Variance Petition	Pending CEC approval
AQ-132	OPS	VOC (as CH4) emissions shall not exceed 10.0 ppmvd @ 3% O2.	A summary of significant operation and maintenance events and monitoring records required shall be included in the QOR.	30 days after end of quarter	10/30/12	NCPA			
AQ-133	OPS	PM10 emissions shall not exceed 0.0076 lb/MMBtu.	A summary of significant operation and maintenance events and monitoring records required shall be included in the QOR.	30 days after end of quarter	10/30/12	NCPA			
AQ-134	OPS	SOx emissions shall not exceed 0.00285 lb/MMBtu.	A summary of significant operation and maintenance events and monitoring records required shall be included in the QOR.	30 days after end of quarter	10/30/12	NCPA			
AQ-135	OPS	NOx (as NO2) emissions from this unit shall not exceed any of the following: 1Q: 310 lb; 2Q: 310 lb; 3Q: 310 lb; 4Q: 310 lb.	A summary of significant operation and maintenance events and monitoring records required shall be included in the QOR.	30 days after end of quarter	10/30/12	NCPA			
AQ-136	OPS	CO emissions from this unit shall not exceed any of the following: 1Q: 1,348 lb; 2Q: 1,348 lb; 3Q: 1,348 lb; 4Q: 1,348 lb.	A summary of significant operation and maintenance events and monitoring records required shall be included in the QOR.	30 days after end of quarter	10/30/12	NCPA			

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AQ-137	OPS	VOC emissions from this unit shall not exceed any of the following: 1Q: 154 lb; 2Q: 154 lb; 3Q: 154 lb; 4Q: 154 lb.	A summary of significant operation and maintenance events and monitoring records required shall be included in the QOR.	30 days after end of quarter	10/30/12	NCPA			
AQ-138	OPS	PM10 emissions from this unit shall not exceed any of the following: 1Q: 277 lb; 2Q: 277 lb; 3Q: 277 lb; 4Q: 277 lb.	A summary of significant operation and maintenance events and monitoring records required shall be included in the QOR.	30 days after end of quarter	10/30/12	NCPA			
AQ-139	OPS	SOx (as SO2) emissions from this unit shall not exceed any of the following: 1Q: 104 lb; 2Q: 104 lb; 3Q: 104 lb; 4Q: 104 lb.	A summary of significant operation and maintenance events and monitoring records required shall be included in the QOR.	30 days after end of quarter	10/30/12	NCPA			
AQ-140	OPS	The total CO emissions from the gas turbine system (N-2697-5) and the auxiliary boiler (N-2697-7) shall not exceed 198,000 pounds in any 12-consecutive month rolling period.	A summary of significant operation and maintenance events and monitoring records required shall be included in the QOR.	30 days after end of quarter	10/30/12	NCPA			
AQ-141	COMM	All emissions measurements shall be made with the unit operating either at conditions representative of normal operations or conditions specified in the Permit to Operate. No determination of compliance shall be established within two hours after a continuous period in which fuel flow to the unit is shut off for 30 minutes or longer, or within 30 minutes after a re-ignition as defined in Section 3.0 of District Rule 4306.	Submit the proposed protocol for the source tests to both the District and CPM for approval in accordance with condition AQ-44.	15 days prior to proposed source test date	10/22/12	NCPA			
AQ-142	COMM	Source testing to measure NOx and CO emissions from this unit while fired on natural gas shall be conducted within 60 days of the end of commissioning period of the gas turbine system.	Submit the proposed protocol for the source tests to both the District and CPM for approval in accordance with condition AQ-44.	Within 30 days of testing	10/22/12	ARB	9/20/12	2012-026 Variance Petition	Pending CEC approval
AQ-143	COMM	Source testing to measure NOx and CO emissions from this unit while fired on natural gas shall be conducted at least once every twelve (12) months. After demonstrating compliance on two (2) consecutive annual source tests, the unit shall be tested not less than once every thirty-six (36) months. If the result of the 36-month source test demonstrates that the unit does not meet the applicable emission limits, the source testing frequency shall revert to at least once every twelve (12) months.	Submit the proposed protocol for the source tests to both the District and CPM for approval in accordance with condition AQ-44. Testing for steady-state emissions shall be conducted upon initial operation and at least once every 12 months or every 36 months as specified by this condition.	Within 30 days of testing	10/22/12	NCPA			
AQ-144	COMM	The source test plan shall identify which basis (ppmv or lb/MMBtu) will be used to demonstrate compliance.	Submit the proposed protocol for the source tests to both the District and CPM for approval in accordance with condition AQ-44.	15 days prior to proposed source test date	10/22/12	Sierra Research			
AQ-145	COMM	Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified at least 30 days prior to any compliance source test, and a source test plan must be submitted for approval at least 15 days prior to testing.	Submit the proposed protocol for the source tests to both the District and CPM for approval in accordance with condition AQ-44.	15 days prior to proposed source test date	10/22/12	Sierra Research			
AQ-146	COMM	NOx emissions for source test purposes shall be determined using EPA Method 7E or CARB Method 100 on a ppmv basis, or EPA Method 19 on a heat input basis.	Submit the proposed protocol for the source tests to both the District and CPM for approval in accordance with condition AQ-44.	15 days prior to proposed source test date	10/22/12	Sierra Research			
AQ-147	COMM	CO emissions for source test purposes shall be determined using EPA Method 10 or CARB Method 100.	Submit the proposed protocol for the source tests to both the District and CPM for approval in accordance with condition AQ-44.	15 days prior to proposed source test date	10/22/12	Sierra Research			
AQ-148	COMM	Stack gas oxygen (O2) shall be determined using EPA Method 3 or 3A or CARB Method 100.	Submit the proposed protocol for the source tests to both the District and CPM for approval in accordance with condition AQ-44.	15 days prior to proposed source test date	10/22/12	Sierra Research			

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AQ-149	COMM	For emissions source testing, the arithmetic average of three 30-consecutive-minute test runs shall apply. If two of three runs are above an applicable limit the test cannot be used to demonstrate compliance with an applicable limit.	Submit the proposed protocol for the source tests to both the District and CPM for approval in accordance with condition AQ-44.	15 days prior to proposed source test date	10/22/12	Sierra Research			
AQ-150	COMM	The results of each source test shall be submitted to the District within 60 days thereafter.	Submit the proposed protocol for the source tests to both the District and CPM for approval in accordance with condition AQ-44.	15 days prior to proposed source test date	10/22/12	Sierra Research			
AQ-151	OPS	Submit an analysis showing the fuel's sulfur content at least once every year. Valid purchase contracts, supplier certifications, tariff sheets, or transportation contacts may be used to satisfy this requirement, provided they establish the fuel's sulfur content.	Results of the natural gas fuel sulfur monitoring data and other fuel sulfur content source data shall be submitted to the District and CPM in the QOR (AQ-SC8).	30 days after end of quarter	10/30/12	NCPA			
AQ-152	OPS	Fuel sulfur content shall be determined using EPA Method 11 or EPA Method 15 or District, CARB and EPA approved alternative methods.	The result of the natural gas fuel sulfur monitoring data and other fuel sulfur content source data shall be submitted to the District and CPM in the QOR.	30 days after end of quarter	10/30/12	NCPA			
AQ-153	OPS	The permittee shall monitor and record the stack concentration of NOx, CO, and O2 at least once every month (in which a source test is not performed) using a portable emission monitor that meets District specifications given in District Policy SSP-1105. Monitoring shall not be required if the unit is not in operation, i.e. the unit need not be started solely to perform monitoring. Monitoring shall be performed within five days of restarting the unit unless monitoring has been performed within the last month.	The results of the boiler stack emission monitoring data shall be summarized and submitted to the District and CPM in the QOR.	30 days after end of quarter	10/30/12	NCPA			
AQ-154	OPS	If either the NOx or CO concentrations corrected to 3% O2, as measured by the portable analyzer, exceed the allowable emissions concentration, the permittee shall return the emissions to within the acceptable range as soon as possible, but no longer than one hour of operation after detection. If the portable analyzer readings continue to exceed the allowable emissions concentration after one hour of operation after detection, the permittee shall notify the District within the following one hour and conduct a certified source test within 60 days of the first exceedance. In lieu of conducting a source test, the permittee may stipulate a violation has occurred, subject to enforcement action. The permittee must then correct the violation, show compliance has been re-established, and resume monitoring procedures. If the deviations are the result of a qualifying breakdown condition pursuant to Rule 1100, the permittee may fully comply with Rule 1100 in lieu of the performing the notification and testing required by this condition.	A summary of significant operation and maintenance events and monitoring records required shall be included in the QOR. The results of the boiler stack emission monitoring data shall also be summarized and submitted to the District and CPM in the QOR.	30 days after end of quarter	10/30/12	NCPA			
AQ-155	OPS	All alternate monitoring parameter emission readings shall be taken with the unit operating either at conditions representative of normal operations or conditions specified in the Permit to Operate. The analyzer shall be calibrated, maintained, and operated in accordance with the manufacturer's specifications and recommendations or a protocol approved by the APCO. Emission readings taken shall be averaged over a 15 consecutive-minute period by either taking a cumulative 15 consecutive-minute sample reading or by taking at least five (5) readings, evenly spaced out over the 15 consecutive-minute period.	Provide a protocol for any alternate monitoring parameters at least 60 days prior to implementing alternate monitoring procedures. The results of the boiler stack emission monitoring data shall be summarized and submitted to the District and CPM in the QOR.	30 days after end of quarter	10/30/12	NCPA			

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AQ-156	OPS	The permittee shall maintain records of: (1) the date and time of NOx, CO, and O2 measurements, (2) the O2 concentration in percent and the measured NOx and CO concentrations corrected to 3% O2, (3) make and model of exhaust gas analyzer, (4) exhaust gas analyzer calibration records, and (5) a description of any corrective action taken to maintain the emissions within the acceptable range.	A summary of significant operation and maintenance events and monitoring records required shall be included in the QOR.	30 days after end of quarter	10/30/12	NCPA			
AQ-157	OPS	The permittee shall maintain daily records of the type and quantity of fuel combusted by the boiler.	A summary of significant operation and maintenance events and monitoring records required shall be included in the QOR.	30 days after end of quarter	10/30/12	NCPA			
AQ-158	OPS	The permittee shall maintain records of: (1) the date, (2) heat input rate, MMBtu/day, (3) daily emissions (lb/day) for each pollutant listed in this permit, and (4) quarterly emissions (lb) for each pollutant listed in this permit and the combined CO emissions (12 consecutive month rolling total) in pounds, for permit unit N-2697-5 and N-2697-7.	A summary of significant operation and maintenance events and monitoring records required shall be included in the QOR.	30 days after end of quarter	10/30/12	NCPA			
AQ-159	COMM	All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request.	Make the site available for inspection by representatives of the District, ARB, and the CEC upon request.	As required	As required	NCPA			
AQ-SC01	PC	Designate and retain an on-site Air Quality Construction Mitigation Manager (AQCMM) who shall be responsible for directing and documenting compliance with AQ-SC3, AQ-SC4, and AQ-SC5 for the entire project site and linear facility construction.	Submit to the CPM for approval, the name, resume, qualifications, and contact information for the on-site AQCMM and all AQCMM delegates. The AQCMM and all delegated monitors must be approved by the CPM before the start of ground disturbance.	At least 60 days prior to ground disturbance	Complete	ARB	6/28/10	2010-049	Approved 6/28/10
AQ-SC02	PC	Provide an Air Quality Construction Mitigation Plan for approval to the CEC CPM which details the steps that will be taken and the reporting requirements necessary to ensure compliance with conditions AQ-SC3, AQ-SC4, and AQ-SC5.	Submit the AQCMP to the CPM for approval. The CPM will notify the project owner of any necessary modifications to the plan within 30 days from the date of receipt. The AQCMP must be approved by the CPM before the start of ground disturbance.	At least 60 days prior to ground disturbance	Complete	Sierra Research	4/22/10	2010-017	Approved 6/29/10
AQ-SC03	CONS	The AQCMM shall submit documentation to the CPM in each MCR that demonstrates compliance with items (a) through (m) for purposes of preventing all fugitive dush plumes from leaving the project site and linear facility routes. Any deviation from the following mitigation measures shall require prior CPM notification and approval.	Include a summary of all actions taken to maintain compliance with this condition, copies of any complaints filed with the Air District in relation to project construction, and any other documentation deemed necessary by the CPM and AQCMM to verify compliance with this condition.	Monthly	Complete	WP	Ongoing during construction		
AQ-SC04	CONS	The AQCMM shall monitor all construction activities for visible dust plumes. Observations of visible dust plumes with the potential to be transported off the project site, 200 feet beyond the centerline of the construction of linear facilities, or within 100 feet upwind of any regularly occupied structures not owned by the project owner indicate that existing mitigation measures are not providing effective mitigation. The AQCMM shall implement Steps 1-3 in the Condition in the event such visible dust plumes are observed.	AQCMM shall prepare for the MCR: (1) a summary of all actions taken to maintain compliance with this condition; (2) copies of any complaints filed with the air district in relation to project construction; and (3) any other documentation deemed necessary by the CPM and AQCMM to verify compliance with this condition.	Monthly	Complete	ARB	Ongoing during construction		
AQ-SC05	CONS	The AQCMM shall submit to the CPM in the MCR a construction mitigation report that demonstrates compliance with the measures (A-F) set forth in the Condition for purposes of controlling diesel construction-related emissions. Any deviation from the following mitigation measures shall require prior CPM notification and approval.	Include in the MCR (1) a summary of all actions taken to maintain compliance with this condition; (2) a list of all heavy equipment used on site during that month, including the owner of that equipment and a letter from each owner indicating that the equipment has been properly maintained; and (3) any other documentation deemed necessary by the CPM and AQCMM to verify compliance with this condition.	Monthly	Complete	ARB	Ongoing during construction		

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AQ-SC06	CONS	Submit to the CPM for review and approval any modification proposed by the project owner to any project air permit. The project owner shall submit to the CPM any modification to any permit proposed by the District or U.S. EPA, and any revised permit issued by the District or U.S. EPA, for the project.	Submit any proposed air permit modification to the CPM either by: 1) the project owner to an agency, or 2) receipt of proposed modifications from an agency.	Submit modifications within 5 working days of its submittal and submit modified air permits within 15 days of receipt	Complete	NCPA			
AQ-SC07	PC	Provide emission reductions in the form of offsets or emission reduction credits (ERCs) to offset at least form of offsets or emission reduction credits (ERCs) in the quantities of at least 152,655 lb NOx, 33,619 lb VOC, 88,124 lb PM10, and 53,852 lb SOx emissions.	Submit to the CPM records showing that the project's offset requirements have been met prior to initiating construction. If the CPM approves a substitution or modification to the list of ERCs, the CPM shall file a statement of the approval with the project owner and Commission docket. The CPM shall maintain an updated list of approved ERCs for the project	Prior to initiating construction	Complete	NCPA	4/9/10	2010-010	Approved 6/29/10
AQ-SC08	OPS	Submit Quarterly Operation Reports (QOR) that include operational and emissions information as necessary to demonstrate compliance with the conditions of certification. The QOR shall specifically note or highlight incidences of noncompliance.	Submit QOR to the CPM and APCO. This information shall be maintained on site for a minimum of five years and shall be provided to the CPM and District personnel upon request.	30 days after end of quarter	10/30/12	NCPA			
BIO-01	PC	Assign and retain a Designated Biologist (DB) for the project. No site or related facility activities shall commence until an approved Designated Biologist is available to be on site.	Submit specified info to the CEC CPM for review and approval.	At least 90 days prior to site or related facilities mobilization	Complete	CH2	2/23/10	2010-001	Approved 3/29/10
BIO-02	CONS	Ensure that the DB performs the activities outlined in BIO-2 during site (or related facilities) mobilization, ground disturbance, grading, construction, operation, and closure.	Designated Biologist must maintain written records of the tasks described in condition and provide summaries for inclusion in the MCR.	Monthly	Complete	CH2	Ongoing during construction		
BIO-03a	PC	Designated Biologist shall select Biological Monitors (BM) for the project.	Submit resume, references, and contact info for proposed BMs to CPM for approval.	At least 30 days prior to site mobilization	Complete	CH2	2/23/10	2010-002	Approved 3/29/10
BIO-03b	PC	Designated Biologist shall select Biological Monitors (BM) for the project.	DB shall submit written statement to CPM confirming that BMs have been trained including the date when training was completed.	At least 30 days prior to site mobilization	Complete	CH2	4/19/10	2010-015	Approved 4/28/10
BIO-04	CONS	Construction/Operation Manager shall act on the advice of the DB to ensure conformance with the biological resources Conditions of Certification. If required by the DB, Construction/ Operation Manager shall halt all site mobilization, ground disturbance, grading, construction, and operation activities in areas specified by the DB.	Designated Biologist must notify the CPM immediately of any non-compliance activity or halt of any site mobilization, ground disturbance, grading, construction, and ops activities.	Immediately following non-compliance or construction halt	Complete	ARB	Ongoing during construction		
BIO-05a	PC	Develop and implement a CPM approved WEAP in which each of its employees, as well as employees of contractors and subcontractors who work on the project site or any related facilities during site mobilization, ground disturbance, grading, construction, operation and closure, are informed about sensitive biological resources associated with the project.	Provide to the CPM and SJCOG HTAC two (2) copies each of the WEAP and all supporting written materials and electronic media prepared or reviewed by the DB and a resume of the persons) administering the program	At least 60 days prior to site or related facilities mobilization	Complete	CH2	3/10/10	2010-004	Approved 4/14/10
BIO-05b	CONS	Report the number of persons who have completed the training in the prior month and a running total of all persons who have completed the training to date.	Include a running total in MCR.	Monthly	Complete	Andrea	Ongoing during construction		

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BIO-05c	PC	Deliver copies of final CPM approved WEAP materials to site.	Submit two copies of the CPM approved materials.	At least 10 days prior to site or related facilities mobilization	Complete	CH2	7/1/10	CH2 Letter	Approved 7/8/10
BIO-05d	OPS	Keep signed WEAP statements in project files.	During project operation, signed statements for active project operational personnel shall be kept on file for six months following the termination of an individual's employment.	As required	As required	Vinnie			
BIO-06a	PC	Prepare the proposed BRMIMP (see BIO-6 for detailed requirements of the BRMIMP).	Submit two copies of the BRMIMP to the CEC CPM for review and approval and to USFWS/CDFG for review and comment	At least 60 days prior to site or related facilities mobilization	Complete	Rick Crowe	4/19/10	2010-013	Approved 5/10/10
BIO-06b	PC	Revise or supplement the BRMIMP to reflect any bio permit conditions received after the original BRMIMP is accepted.	Submit any bio permits not yet received when the BRMIMP is first submitted to the CPM and HTAC	Within 5 days of receipt	Complete	Rick Crowe	7/6/10	2010-059	Approved 7/8/10
BIO-06c	CONS	Any changes to the approved BRMIMP must also be approved by the CPM and submitted to the HTAC to ensure no conflicts exist.	Notify the CPM before implementing any modifications to the approved BRMIMP	Within 5 days	Complete	Rick Crowe	11/1/11	2011-021 (reflects gas line amendment)	Approved 11/15/11
BIO-06d	CONS	Implementation of BRMIMP measures will be reported in the MCR by the DB.	Provide report for inclusion in MCR.	Monthly	Complete	Rick Crowe	Ongoing during construction		
BIO-06e	CONS	Prepare a written construction closure report identifying which items of the BRMIMP have been completed, a summary of all modifications to mitigation measures made during the project's site mobilization, ground disturbance, grading, and construction phases, and which mitigation and monitoring items are still outstanding.	Provide construction closure report to the CPM for review and approval.	Within 30 days after completion of construction	11/29/12	Rick Crowe			
BIO-07a	CONS	Any time the project owner modifies or finalizes the project design they shall incorporate all feasible measures that avoid or minimize impacts to the local biological resources, including Items 1-9 as listed in the Condition.	Provide report for inclusion in MCR.	Monthly	Complete	Rick Crowe	Ongoing during construction		
BIO-07b	CONS	Submit a written construction termination report identifying how bio mitigation measures have been completed.	Provide construction termination report to the CPM for review and approval.	Within 30 days after completion of construction	11/29/12	Rick Crowe			
BIO-08a	CONS	Implement measures set forth in condition (Items 1-8) in a manner to avoid or minimize impacts to the local biological resources.	Provide report for inclusion in MCR.	Monthly	Complete	Rick Crowe	Ongoing during construction		
BIO-08b	CONS	Submit a written construction termination report identifying how bio mitigation measures have been completed.	Provide construction termination report to the CPM for review and approval.	Within 30 days after completion of construction	11/29/12	Rick Crowe			
BIO-09a	PC	Implement impact avoidance and minimization measures for construction activities in GGS habitat and provide habitat compensation for temporary and permanent impacts to GGS at a 3:1 mitigation ratio.	Submit written verification to the CPM and the HTAC that the transaction for habitat compensation has occurred.	Within 15 days of site or related facilities mobilization	Complete	NCPA	5/31/10	2010-030	Approved 6/22/10
BIO-09b	PC	Provide a one-time endowment fee of $27,161.06 as required by the SJMSCP.	Provide written verification that the payment has been made.	Within 15 days of site or related facilities mobilization	Complete	NCPA	6/9/10	2010-039	Approved 6/22/10
BIO-09c	CONS	Discuss implementation of GGS mitigation and avoidance measures.	Provide report for inclusion in MCR.	Monthly	Complete	Rick Crowe	Ongoing during construction		

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BIO-10a	PC	Implement all burrowing owl mitigation and avoidance measure outlined by CDFG.	Conduct pre-construction surveys prior to site mobilization.	Within 14 days of site or related facilities mobilization	Complete	CH2	7/6/10	2010-055	Approved 7/8/10
BIO-10b	PC	Submit a report on the results of the burrowing owl surveys.	Submit report to CPM.	Within 15 days of site or related facilities mobilization	Complete	CH2	7/6/10	2010-055	Approved 7/8/10
BIO-10c	CONS	Discuss implementation of burrowing owl mitigation and avoidance measures.	Provide report for inclusion in MCR.	Monthly	Complete	Rick Crowe	Ongoing during construction		
BIO-11a	PC	Survey for nesting Swainson's hawk within one mile of construction activities between March 20 and April 20.	Provide pre-construction Swainson's hawk surveys results to the CPM.	Within 15 days of completion of surveys	Complete	CH2	7/6/10	2010-058	Approved 7/8/10
BIO-11b	PC	Provide habitat compensation for temporary and permanent impacts to Swainson's hawk at a 1:1 mitigation ratio.	Submit written verification to the CPM and the HTAC that the transaction for habitat compensation has occurred.	Within 15 days of site or related facilities mobilization	Complete	NCPA	5/31/10	2010-031	Approved 6/22/10
BIO-11c	CONS	Discuss implementation of Swainson's hawk mitigation and avoidance measures.	Provide report for inclusion in MCR.	Monthly	Complete	Rick Crowe	Ongoing during construction		
BIO-11c	PC	Provide a one-time endowment fee of $16,342.68 as required by SJMSCP.	Provide written verification that the payment has been made.	Within 15 days of site or related facilities mobilization	Complete	NCPA	6/9/10	2010-040	Approved 6/22/10
BIO-12a	PC	Conduct migratory bird pre-construction nest surveys within 500 feet of boundaries of the power plant site and linear facilities if construction activities will occur from February 1 through August 1. If active nests are detected during the survey, the report shall include a map or aerial photo identifying the location of the nest and shall depict the boundaries of the no-disturbance buffer zone around the nest.	Provide the CPM a letter-report describing the findings of the pre-construction nest surveys, including the time, date, and duration of the survey; identity and qualifications of the surveyor(s); and a list of species observed.	At least 10 days prior to site or related facilities mobilization	Complete	CH2	7/6/10	2010-056	Approved 7/8/10
BIO-12b	CONS	Discuss implementation of migratory bird mitigation and avoidance measures.	Provide report for inclusion in MCR.	Monthly	Complete	Rick Crowe	Ongoing during construction		
BIO-13a	PC	Conduct Northwestern and Western Pond turtle pre-construction surveys concurrent with GGS surveys	Provide pre-construction Swainson's hawk surveys results to the CPM.	Within 15 days of site or related facilities mobilization	Complete	CH2	7/6/10	2010-057	Approved 7/8/10
BIO-13b	CONS	Discuss implementation of pond turtle mitigation and avoidance measures.	Provide report for inclusion in MCR.	Monthly	Complete	Rick Crowe	Ongoing during construction		
CIVIL-01a	PC	Submit design of the proposed drainage structures and the grading plan.	Submit documents to the CBO for review and approval	At least 15 days prior to the start of site grading	Complete	WP	6/7/10	2010-035	Approved by CBO prior to receipt of ATC
CIVIL-01b	PC	Submit the erosion and sedimentation control plan.	Submit documents to the CBO for review and approval	At least 15 days prior to start of site grading	Complete	WP	6/7/10	2010-036	Approved by CBO prior to receipt of ATC

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CIVIL-01c	PC	Submit related calculations and specifications, signed and stamped by the responsible civil engineer.	Submit documents to the CBO for review and approval	At least 15 days prior to start of site grading	Complete	WP	6/7/10	2010-037	Approved by CBO prior to receipt of ATC
CIVIL-01d	PC	Submit the soils, geotechnical, or foundation investigations reports required by the 2007 CBC.	Submit documents to the CBO for review and approval	At least 15 days prior to start of site grading	Complete	NCPA	5/25/10	2010-029	Approved 6/14/10
CIVIL-01e	CONS	Submit written statement certifying that the documents required by CIVIL-01(a-d) have been approved by the CBO.	Include written certification in next monthly compliance report.	Monthly	Complete	ARB	Ongoing during construction		
CIVIL-02	CONS	The RE shall, if appropriate, stop all earthwork and construction in the affected areas when the responsible soils engineer, geotechnical engineer, or the civil engineer experienced and knowledgeable in the practice of soils engineering identifies unforeseen adverse soil or geologic conditions. The project owner shall submit modified plans, specifications, and calculations to the CBO based on these new conditions. The project owner shall obtain approval from the CBO before resuming earthwork and construction in the affected area.	Notify the CPM within 24 hours when earthwork and construction are stopped as a result of unforeseen adverse geological conditions. Within 24 hours of the CBO's approval to resume earthwork and construction in the affected areas, provide to the CPM a copy of the CBO's approval.	Within 24 hours of construction halt due to geologic conditions	Complete	ARB	Ongoing during construction		
CIVIL-03a	CONS	Perform inspections in accordance with the 2007 CBC. All plant site grading operations for which a grading permit is required shall be subject to inspection by the CBO. If, in the course of inspection, it is discovered that the work is not being performed in accordance with the approved plans, the discrepancies shall be reported immediately to the resident engineer, the CBO, and the CPM.	The RE shall transport to the CBO and CPM a NCR and the proposed corrective action for review and approval. Within 5 days of resolution, EPC must submit details of correction action to the CBO and CPM.	Within 5 days of discovery of any discrepancies	Complete	ARB	Ongoing during construction		NCR Report is included in MCR
CIVIL-03b	CONS	A list of NCRs for the reporting month shall also be included in the following monthly compliance report.	Include in the MCR.	Monthly	Complete	ARB	Ongoing during construction		NCR Report is included in MCR
CIVIL-04	CONS	After completion of finished grading and the erosion and sedimentation control and drainage work, the project owner shall obtain the CBO's approval of the final grading plans (including final changes) for the erosion and sedimentation control work. The civil engineer shall state that the work within his/her area of responsibility was done in accordance with the final approved plans.	Submit to the CBO for review and approval the final grading plans (including final changes) and the responsible civil engineer's signed statement that the installation of the facilities and all erosion control measures were completed in accordance with final approved plans. The project owner shall submit a copy of the CBO's approval to the CPM in the next MCR.	Within 30 days of completion of work	12/6/12	ARB			
COM-01	CONS	The CPM, responsible Energy Commission staff, and delegated agencies or consultants shall be guaranteed and granted unrestricted access to the power plant site, related facilities, project-related staff, and the records maintained onsite, for the purpose of conducting audits, surveys, inspections, or general site visits.	Although the CPM will normally schedule site visits on dates and times agreeable to the project owner, the CPM reserves the right to make unannounced visits at any time.	As required	Complete	Andrea	Ongoing during construction		
COM-02	CONS	Maintain maintain project files on-site or at an alternative site approved by the CPM for the life of the project, unless a lesser period of time is specified by the Conditions of Certification. The files shall contain copies of all "as-built" drawings, documents submitted as verification for Conditions, and other project-related documents.	CEC staff and delegate agencies shall, upon request to the project owner, be given unrestricted access to the files maintained pursuant to this condition.	Ongoing	Complete	Andrea	Ongoing during construction		

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COM-03	PC	A cover letter from the project owner or authorized agent is required for all compliance submittals and correspondence pertaining to compliance matters. The cover letter subject line shall identify the project by AFC number, the appropriate condition(s) of certification by condition number(s), and a brief description of the subject of the submittal.	All hardcopy submittals shall be addressed to the CEC CPM. Submittals shall be accompanied by a searchable electronic copy, on a CD or by e-mail, as agreed upon by the CPM.	Ongoing	Ongoing	Andrea	Ongoing during construction		
COM-04	PC	Submit a pre-construction matrix addressing only those conditions that must be fulfilled before the start of construction can commence.	Submit pre-construction matrix showing all completed PC conditions	Prior to the start of construction	Complete	Andrea	Complete	2010-038	Approved 7/9/10
COM-05	CONS	Submit a construction matrix that provides the current status of all conditions in a spreadsheet format.	Submit a compliance matrix with each MCR and also in ACR	Monthly	Complete	Andrea	Ongoing during construction		
COM-06	CONS	The first MCR shall include the AFC number and an initial list of dates for each of the events identified on the Key Events List. During construction of the project, the project owner or authorized agent shall submit an original and an electronic searchable version of the within 10 working days after the end of each reporting month. MCRs shall be clearly identified for the month being reported. The reports shall contain, at a minimum the items specified in the condition.	Submit to CPM on a monthly basis	Monthly	Complete	Andrea			
COM-07	OPS	Submit an Annual Compliance Report which is due for each year of commercial operation and is due to the CPM each year at a date agreed to by the CPM. Annual Compliance Reports shall be submitted over the life of the project unless otherwise specified by the CPM. Each Annual Compliance Report shall include the AFC number, identify the reporting period and shall contain the items listed in the condition.	Submit to CPM on an annual basis	Annually	Annually	NCPA			
COM-08	CONS	Any information that the project owner deems confidential shall be submitted to the Energy Commission's Executive Director with an application for confidentiality pursuant to Title 20, California Code of Regulations, section 2505(a). Any information that is determined to be confidential shall be kept confidential as provided for in Title 20, California Code of Regulations, section 2501 et. seq.	Any info the project owner deems confidential shall be submitted to the Docket Unit with an application for confidentiality.	As required	Complete	NCPA	Ongoing during construction		
COM-09	CONS	Annual Energy Facility Compliance Fee: The project owner is required to pay an annual compliance fee, which is adjusted annually. Current Compliance fee information is available on the CEC's website.	Submit annual compliance fee to CEC.	Annually	Complete	NCPA	Ongoing		
COM-10	CONS	Report and provide copies to the CPM of all complaint forms, including noise and lighting complaints, notices of violation, notices of fines, official warnings, and citations. Complaints shall be logged and numbered. Noise complaints shall be recorded on the form provided in the NOISE Conditions of Certification. All other complaints shall be recorded on the complaint form (Attachment A).	Provide documentation to the CPM as required.	Within 10 days of receipt	As required	NCPA	Ongoing during construction		
COM-11	OPS	Submit a proposed facility closure plan to the CEC for review and approval prior to commencement of closure activities. The plan shall discuss the items specified in the condition.	File 120 copies (or other number of copies agreed upon by the CPM) of a proposed facility closure plan with the CEC.	at least 12 months prior to start of closure activities	As required	NCPA			

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COM-12a	CONS	Prepare an Unplanned Temporary Facility Closure/On-Site Contingency Plan (see condition for issues that must be addressed in the plan). The approved plan must be in place prior to commercial operation of the facility and shall be kept at the site at all times.	Submit an on-site contingency plan for CPM review and approval.	no less than 60 days prior to COD	6/15/12	NCPA	6/15/12	2012-014	Pending CEC approval
COM-12b	CONS	In the event of an unplanned temporary closure, the project owner shall notify the CPM, as well as other responsible agencies, by telephone, fax, or e-mail, within 24 hours and shall take all necessary steps to implement the on-site contingency plan. The project owner shall keep the CPM informed of the circumstances and expected duration of the closure.	Notify the CPM and other agencies as requried.	Within 24 hours of unplanned temporary closure	As required	NCPA			
COM-12c	CONS	If the CPM determines that an unplanned temporary closure is likely to be permanent, or for a duration of more than 12 months, a closure plan consistent with the requirements for a planned closure shall be developed and submitted to the CPM.	Develop and submit the closure plan to the CPM.	Within 90 days of CPM's determination	As required	NCPA			
COM-12c	OPS	As part of the ACR, review the on-site contingency plan, and recommend changes to bring the plan up to date. Any changes to the plan must be approved by the CPM.	Include any recommended changes to the contigency plan as part of the ACR.	Annually	Include in ACR	NCPA			
COM-13a	CONS	The on-site contingency plan required for unplanned temporary closure shall also cover unplanned permanent facility closure. All of the requirements specified for unplanned temporary closure shall also apply to unplanned permanent closure. In addition, the on-site contingency plan shall address how the project owner will ensure that all required closure steps will be successfully undertaken in the event of abandonment.	In the event of an unplanned permanent closure, the project owner shall notify the CPM, as well as other responsible gencies, by telephone, fax, or e-mail and shall take all necessary steps to implement the on-site contingency plan. The project owner shall keep the CPM informed of the status of all closure activities.	Within 24 hours of unplanned permanent closure	As required	NCPA			
COM-13b	CONS	Prepare a closure plan, consistent with the requirements for a planned closure.	Submit the closure plan to the CPM.	Within 90 days of permanent closure	As required	NCPA			
COM-14	CONS	Post-Certification Changes to the Decision--see Condition for detailed information on what constitutes and how to prepare a post-licensing change to the CEC Final Decision.	As required	As required	As required	NCPA			
CUL-01a	PC	Obtain the services of a Cultural Resources Specialist (CRS), and one or more alternate CRSs, if alternates are needed.	Submit resumes to the CEC CPM for review and approval	At least 45 days prior to start of ground disturbance	Complete	NCPA	4/19/10	2010-016	Approved 4/27/10
CUL-01b	PC	Submit the resume of the proposed new CRS to the CPM for review and approval. Also provide the new CRS with copies of the AFC, data responses, confidential reports, and maps and drawings showing the footprint of the power plant and all linear facilities.	Provide the required written documentation to the CPM.	At least 10 days prior to a termination or release of the CRS or within 10 days after the resignation of a CRS	Complete	NCPA	4/19/10	2010-016	Approved 4/27/10
CUL-01c	PC	Provide a letter naming anticipated CRMs for the project and stating that the identified CRMs meet the minimum qualifications for cultural resources monitoring required by this Condition	Provide the required written documentation to the CPM.	At least 20 days prior to ground disturbance	Complete	NCPA	4/19/10	2010-016	Approved 4/27/10

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CUL-01d	PC	Submit the resumes of the technical specialists to the CPM for review and approval.	Provide the required written documentation to the CPM.	At least 10 days prior to technical specialists beginning new tasks	Complete	CH2	5/31/10	2010-032	Approved 6/21/10
CUL-01e	PC	Confirm in writing to the CPM that the approved CRS will be available for onsite work and is prepared to implement cultural resources Conditions.	Provide the required written documentation to the CPM.	At least 10 days prior to the start of ground disturbance	Complete	CH2	4/19/10	2010-016	Approved 4/27/10
CUL-02a	PC	Provide to the CRS, if the CRS has not previously worked on the project, copies of the AFC, data responses, confidential cultural resources reports, all supplements and the SA for the project. Also provide site maps and drawings for cultural resource planning activites.	Provide requested into to the CRS.	At least 40 days prior to the start of ground disturbance	Complete	CH2	6/14/10	2010-041	Approved 6/21/10
CUL-02b	CONS	Provide to the CRS and CPM a schedule of project activities for the following week, including the identification of area(s) where ground disturbance will occur during that week.	Provide requested into to the CPM and CRS.	Weekly during construction	Complete	ARB	Ongoing during construction		
CUL-03a	PC	Submit the Cultural Resources Monitoring and Mitigation Plan (CRMMP), as prepared by the CRS. (See condition for specific requirements.)	Submit the entire CRMMP to the CEC CPM for review and approval.	At least 30 days prior to ground disturbance	Complete	CH2	5/14/10	2010-023	Approved 7/2/10
CUL-03b	PC	Agree to pay curation fees for any materials collected as a result of the archaeological investigations (survey, testing, data recovery)	Provide the required written documentation to the CPM.	At least 30 days prior to ground disturbance	Complete	NCPA	5/13/10	2010-022	Approved 6/21/10
CUL-04a	CONS	If any archaeological monitoring or data recovery activities are conducted during project construction, submit a final Cultural Resources Report (CRR) which addresses the items specified in the condition.	Provide the required written documentation to the CPM for review and approval.	Within 90 days after completion of ground disturbance	1/28/13	NCPA			
CUL-04b	CONS	If cultural materials requiring curation were collected, provide to the CPM a copy of an agreement or other written commitment form.	Provide the required written documentation to the CPM.	Within 90 days after completion of ground disturbance	1/28/13	NCPA			
CUL-04c	CONS	Provide documentation to the CPM confirming that copies of the final CRR have been provided to the SHPO, the CHRIS, the curating institution, if archaeological materials were collected, and to the Tribal Chairpersons of any Native American groups requesting copies of project-related reports.	Provide the required written documentation to the CPM.	Within 10 days after CPM approval of CRR	2/27/13	NCPA			
CUL-04d	CONS	If the project is suspended, submit a draft CRR to the CPM for review and approval.	Provide the required written documentation to the CPM for review and approval.	Within 30 days after requesting a suspension	Not applicable	NCPA			
CUL-05a	PC	The CRS shall prepare a WEAP that addresses all issues specified in Condition and provided training to all new workers within their first week of employment at the project site, laydown areas, and along the linear facilities routes.	Provide the draft text and graphics for the training program to the CPM for review and approval.	At least 30 days prior to ground disturbance	Complete	NCPA	4/12/10	2010-012	Approved 4/27/10
CUL-05b	PC	Provide to the project owner a WEAP Training Acknowledgement form for each WEAP-trained worker to sign.	Submit the required documentation to the CPM.	At least 15 days prior to the beginning of ground disturbance	Complete	NCPA	4/12/10	2010-012	Approved 4/27/10
CUL-05c	CONS	Provde the WEAP Training Acknowledgement forms of workers who have completed the training in the prior month and a running total of all persons who have completed training to date.	Include a running total in MCR.	Monthly	Complete	NCPA	Ongoing during construction		

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CUL-06a	CONS	Based on the findings of the geoarchaeological study, no archaeological monitoring is required unless WEAP-trained construction workers identify cultural resources materials during excavations. In that event, To ensure there are no impacts to unknown buried archaeological resources, construction shall cease in the vicinity of the discovery, the CRS shall be notified, and CUL-7 shall apply.	During monitoring, provide daily feedback to CPM on status of monitoring activities via email.	Daily logs emailed to CPM	Complete	NCPA	Ongoing during construction		
CUL-06b	CONS	Submit a monthly summary report of cultural resources-related monitoring prepared by the CRS.	Provide report for inclusion in MCR.	Monthly	Complete	NCPA	Ongoing during construction		
CUL-06c	CONS	Notify CEC prior to changing or eliminatinating monitoring.	Provide letter or email to CPM for review and approval detailing justification for changing or eliminating monitoring.	At least 24 hours prior to changing level	As required	NCPA			Not applicable; did not request change
CUL-06d	CONS	A Native American monitor shall be obtained to monitor ground disturbance in areas and at depths, if any, where the CUL-1 geoarchaeological study identified the potential for buried prehistoric archaeological deposits and anywhere else that if Native American artifacts are encountered during ground disturbance.	Provide the required written documentation to the CPM.	No later than 30 days after discovery	As required	NCPA			
CUL-06e	CONS	Submit any comments or information provided by Native Americans in response to the project owner's transmittals of information.	Provide the required written documentation to the CPM.	Within 15 days of receipt	As required	NCPA			
CUL-7	CONS	Grant authority to halt construction to the CRS, alternate CRS and the CRMs in the event previously unknown cultural resource sites or materials are encountered, or if known resources may be impacted in a previously unanticipated manner (discovery).	Provide the CPM and CRS with a letter confirming that the CRS, alternate CRS and CRMs have the authority to halt construction activities in the vicinity of a cultural resource discovery, and that the project owner shall ensure that the CRS notifies the CPM within 24 hours of a discovery, or by Monday morning if the cultural resources discovery occurs between 8:00 AM on Friday and 8:00 AM on Sunday morning.	At least 30 days prior to ground disturbance	Complete	NCPA	8/4/10	2010-062	Approved 8/18/11
ELEC-01a	CONS	Prior to the start of any increment of electrical construction for electrical equipment and systems 480 volts and higher, with the exception of underground duct work and any physical layout drawings and drawings not related to code compliance and life safety, submit for CBO design review and approval the proposed final design, specifications and calculations.	Submit to the CBO for design review and approval the items listed in this condition (see page 59 of Final Decision)	At least 30 days prior to start of construction of each increment of electrical construction	Complete	WP	Ongoing during construction		Info is included in MCRs
ELEC-01b	CONS	Send the CPM a copy of the transmittal letter in the next MCR.	Include the required documentation in the MCR.	Monthly	Complete	NCPA	Ongoing during construction		
GEN-01a	CONS	Design, construct and inspect the project in accordance with the 2007 CBC et al and all other applicable engineering LORS in effect at the time initial design plans are submitted to the CBO for review and approval. The CBSC in effect is the edition that has been adopted by the California Building Standards Commission and published at least 180 days previously.	Submit to the CEC CPM a statement of verification signed by responsible design engineer attesting that all design, construction, installation and inspection requirements of the applicable LORS and CEC Final Decision has been met in the area of facility design.	With 30 days after receipt of Certificate of Occupancy	11/29/12	WP			
GEN-01b	CONS	Final Certificate of Occupancy	Provide the CPM a copy of the Final Certificate of Occupancy from the CBO.	Within 30 days after receipt from the CBO	10/30/12	WP			

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GEN-01c	CONS	Once the certificate of occupancy has been issued, the project owner shall inform the CPM at least 30 days prior to any construction, addition, alteration, moving, demolition, repair, or maintenance being performed on any portion(s) of the completed facility that requires CBO approval for compliance with the above codes. The CPM shall then determine if the CBO needs to approve the work.	The CPM shall then determine if the CBO needs to approve the work.	At least 30 days prior to such work	1/28/13	WP			
GEN-02a	PC	Before submitting the initial engineering designs for CBO review, furnish to the CPM and CBO with a schedule of facility design submittals, a master drawing list and master specifications list. The schedule shall contain a list of proposed submittal packages of designs, calculations, and specifications for major structures and equipment. To facilitate audits by CEC staff, the project owner shall provide specific packages to the CPM upon request.	Submit required info to the CPM.	At least 60 days prior to start of rough grading	Complete	WP	5/25/10	2010-028	Approved 6/14/10
GEN-02b	CONS	Major structures and equipment shall be added to or deleted from Facility Design Table 1 (see page 46 of Final Decision) only with CPM approval.	The project owner shall provide schedule updates in the MCR.	Monthly	Complete	WP	Ongoing during construction		
GEN-03	CONS	Make payments to the CBO for design review, plan check and construction inspections based upon a reasonable fee schedule to be negotiated between NCPA and the CBO.	Send copy of CBO's receipt of payment to CPM in next MCR indicating applicable fees have been paid.	Monthly	Complete	NCPA	Ongoing during construction		
GEN-04a	PC	Assign a California registered architect, or a structural or civil engineer as the resident engineer (RE) in charge of the project. The RE shall perform the duties listed in the condition. The resident engineer (or his delegate) must be located at the project site, or be available at the project site within a reasonable period of time, during any hours in which construction takes place. The RE shall have the authority to halt construction and to require changes or remedial work if the work does not meet requirements.	Submit to the CBO for review and approval, the resume and registration number of the RE and any other delegated engineers assigned to the project. Notify the CPM of the CBO's approvals of the RE and other delegated engineer(s) within five days of the approval.	At least 30 days prior to start of rough grading	Complete	WP	6/14/10	2010-043	CBO Approval sent to CPM
GEN-04b	CONS	If the RE or the delegated engineers are reassigned or replaced, the project owner shall submit the name, qualifications, and registration number of the newly assigned engineer to the CBO for review and approval.	Notify the CPM of the CBO's approval of the new engineer.	Within 5 days	As required	NCPA			
GEN-05a	PC	Assign at least one of each of the following California registered engineers to the project: a civil engineer; a soils, geotechnical, or civil engineer experienced and knowledgeable in the practice of soils engineering; and an engineering geologist.	Submit to the CBO for review and approval, resumes and registration numbers of the responsible engineers. Notify the CPM of the CBO's approvals of the responsible engineers within five days of the approval.	At least 30 days prior to start of rough grading	Complete	WP	6/14/10	2010-044	CBO Approval sent to CPM
GEN-05b	PC	Assign at least one of each of the following California registered engineers to the project: a design engineer who is either a structural engineer or a civil engineer fully competent and proficient in the design of power plant structures and equipment supports; a mechanical engineer; and an electrical engineer.	Submit to the CBO for review and approval, the names, qualifications, and registration numbers of all responsible engineers assigned to the project. Notify the CPM of the CBO's approvals of the responsible engineers within five days of the approval.	At least 30 days prior to start of construction	Complete	WP	6/14/10	2010-044	CBO Approval sent to CPM
GEN-05c	CONS	If the designated responsible engineer is subsequently reassigned or replaced, submit the resume and registration number of the newly assigned engineer to the CBO for review and approval.	Notify the CPM of the CBO's approval of the new engineer.	Within 5 days	As required				

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GEN-06a	CONS	Assign to the project, qualified and certified special inspector(s) who shall be responsible for the special inspections required by the 2007 CBC. A certified weld inspector, certified by the American Welding Society (AWS) and/or American Society of Mechanical Engineers (ASME) as applicable, shall inspect welding performed on-site requiring special inspection (including structural, piping, tanks, and pressure vessels). The special inspector shall perform the duties specified in the condition.	Submit to the CBO for review and approval, with a copy to the CPM, the name(s) and qualifications of the certified weld inspector(s), or other certified special inspector(s) assigned to the project.	At least 15 days prior to start of an activity requiring special inspection	Complete	WP	Ongoing during construction		Info is included in MCRs
GEN-06b	CONS	Submit to the CPM a copy of the CBO's approval of the qualifications of all special inspectors.	Include the required documentation in the MCR.	Monthly	Complete	WP	Ongoing during construction		
GEN-06c	CONS	If the special inspector is subsequently reassigned or replaced, the project owner has five days in which to submit the name and qualifications of the newly assigned special inspector to the CBO for approval.	Notify the CPM of the CBO's approval of the newly assigned inspector.	Within 5 days	As required	WP			
GEN-07	CONS	If any discrepancy in design and/or construction is discovered in any engineering work that has undergone CBO design review and approval, the project owner shall document the discrepancy and recommend required corrective actions. The discrepancy documentation shall be submitted to the CBO for review and approval. The discrepancy documentation shall reference Condition GEN-7 and, if appropriate, applicable sections of the CBC and/or other LORS.	Transmit a copy of the CBO's approval of any corrective action taken to resolve a discrepancy to the CPM in the next MCR. If any corrective action is disapproved, the project owner shall advise the CPM, within five days, of the reason for disapproval and the revised corrective action to obtain CBO's approval.	Monthly	Include in MCR	WP	Ongoing during construction		
GEN-08a	CONS	Obtain the CBO's final approval of all completed work that has undergone CBO design review and approval. Request that the CBO inspect the completed structure and review the submitted documents. Notify the CPM after obtaining the CBO's final approval. Retain one set of approved engineering plans, specifications, and calculations (including all approved changes) at the project site or at another accessible location during the operating life of the project.	Submit to the CBO, with a copy to the CPM, in the next monthly compliance report, (a) a written notice that the completed work is ready for final inspection, and (b) a signed statement that the work conforms to the final approved plans.	Within 15 days of completion of any work	Include in MCR	WP			
GEN-08b	CONS	Electronic copies of the approved plans, specifications, calculations, and marked-up as-builts shall be provided to the CBO for retention by the CPM.	Submit to the CPM a letter stating both that the above documents have been stored and the storage location of those documents.	After storing final approved plans, specs, and calcs	As required	WP			
GEN-08c	CONS	Provide to the CBO three sets of electronic copies of the documents referenced in the condition.	Documents shall be provided in the form of "read only" (Adobe .pdf 6.0) files, with restricted (password-protected) printing privileges, on archive quality CDs.	Within 90 days after completion of construction	1/28/13	WP			
HAZ-01	OPS	The project owner shall not use any hazardous materials not listed in ATTACHMENT A on page 183 of the condition, or in greater quantities or strengths than those identified by chemical name in ATTACHMENT A, unless approved in advance by the CPM.	Provide to the CPM, in the Annual Compliance Report, a list of hazardous materials contained at the facility.	Annually	Include in ACR	NCPA			
HAZ-02	CONS	Develop and implement a Safety Management Plan (SMP) for the delivery of anhydrous ammonia and other liquid hazmat by tanker truck. The plan shall address the information required in the Condition. This plan shall be applicable during construction, commissioning, and operation of the power plant.	Submit the plan to the CPM for review and approval.	At least 30 days prior to delivery of any liquid haz mat to the facility	Complete	NCPA		2010-067 12/8/10	Approved 12/2/10

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HAZ-03	CONS	Direct all vendors delivering aqueous ammonia to the site to use only tanker truck transport vehicles that meet or exceed the specifications of DOT Code MC-330 or 331.	Submit copies of notification letter to supply vendors indicating the transport vehicle specs to the CPM for review and approval.	At least 30 days prior to commissioning	Complete	ARB			Existing vendor for STIG delivers ammonia
HAZ-04	CONS	Direct all vendors delivering any hazardous material to the site to use only the route approved by the CPM (I-5 to North Thornton Road to Frontage Road to North Cord Road to the project site). Obtain approval of the CPM if an alternate route is desired.	Submit copies of the required transportation route limitation direction to the CPM for review and approval.	At least 60 days prior to commissioning	Complete	ARB			Existing vendor for STIG delivers ammonia
HAZ-05	PC	Prepare a site-specific construction security plan for the construction phase which addresses the items in the Condition.	Notify the CPM that a site-specific construction security plan is available for review and approval.	At least 30 days prior to start of construction	Complete	ARB	6/28/10	2010-051	Approved 6/29/10
HAZ-06a	COMM	Prepare a site-specific security plan for the commissioning and operational phases which addresses all the items in the Condition.	Notify the CPM that a site-specific operations site security plan is available for review and approval.	At least 30 days prior to commissioning	Complete	NCPA	11/16/11	2011-022	Approved 11/21/11
HAZ-06b	OPS	Include a statement that all current project employee and appropriate contractor background investigations have been performed, and that updated certification statements have been appended to the operations security plan. Also include a statement that the operations security plan includes all current hazardous materials transport vendor certifications for security plans and employee background investigations.	Provide information for inclusion in the ACR.	Annually	Include in ACR	NCPA			
LAND-01	PC	Design and construct the project to the applicable development standards in Sections 15.16.140 of the city of Lodi Municipal Code (see specifics in condition).	Submit to the CPM written documentation including evidence of review by the city of Lodi that the project conforms to the standards in Sections 15.16.140 of the City of Lodi Municipal Code.	At least 60 days prior to the start of construction	Complete	NCPA	6/22/10	2010-048	Approved 6/29/10
MECH-01a	CONS	MAJOR PIPING & PLUMBING SYSTEMS: Submit for CBO design review and approval the proposed final design, specifications and calcs for each plant major piping and plumbing system listed in Facility Design Table 1 of GEN-2. Physical layout drawings and drawings not related to code compliance and life safety need not be submitted. The submittal shall also include the applicable QA/QC procedures. Upon completion of construction of any such major piping or plumbing system, the project owner shall request the CBO's inspection approval of that construction.	Submit to the CBO for design review and approval the final plans, specs, and calcs, including a copy of the signed and stamped statement from the responsible mechanical engineer certifying compliance with applicable LORS.	At least 30 days prior to the start of any major piping or plumbing construction listed in Table 1	Complete	WP	Ongoing during construction		Info is included in MCRs
MECH-01b	CONS	Upon completion of construction of any such major piping or plumbing system, the project owner shall request the CBO's inspection approval of that construction.	Transmit to the CPM, following completion of any inspection, a copy of the transmittal letter conveying the CBO's inspection approvals.	Monthly	Include in MCR	WP	Ongoing during construction		
MECH-02a	CONS	PRESSURE VESSELS: Submit to the CBO and Cal-OSHA the code certification papers and other documents required by applicable LORS.	Submit to the CBO for design review and approval the final plans, specs, and calcs, including a copy of the signed and stamped statement from the responsible mechanical engineer certifying compliance with LORS	At least 30 days prior to start of onsite fabrication or installation of any pressure vessel	Complete	WP			
MECH-02b	CONS	Upon completion of the installation of any pressure vessel, the project owner shall request the appropriate CBO and/or Cal-OSHA inspection of that installation/	Transmit to the CPM, in the MCR following completion of any inspection, a copy of the transmittal letter conveying the CBO's and/or Cal-OSHA inspection approvals.	Monthly	Include in MCR	WP	Ongoing during construction		

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MECH-03a	CONS	HVAC SYSTEMS: Submit for CBO design review and approval the proposed final design, specifications and calculations for each any heating, ventilating, air conditioning (HVAC) or refrigeration system. Packaged HVAC systems, where used, shall be identified with the appropriate manufacturer's data sheets.	Submit the calcs, plans, and specs to the CBO, including a copy of the signed and stamped statement from the responsible mech engr certifying compliance with CBC and other applicable codes, with a copy of transmittal to CPM.	At least 30 days prior to start of construction of any HVAC or refrig system	Complete	WP			
MECH-03b	CONS	Design and install all HVAC and refrigeration systems within buildings and related structures in accordance with the CBC and other applicable codes. Upon completion of construction of pressure vessels, request the CBO's inspection approval of that construction.	Provide the required written documentation to the CPM.	Monthly	Include in MCR	WP	Ongoing during construction		
NOISE-01	PC	Notify all residents within two miles of the site and one mile of the linear facilities, by mail or other effective means, of the commencement of project construction. Establish a telephone number for use by the public to report any undesirable noise conditions associated with the construction and operation of the project and include that telephone number in the above notice. The telephone number shall be posted at the project site during construction in a manner visible to passersby and maintained until project has been operational for one year.	Transmit to the CPM a statement, signed by the project owner's project manager, stating that the above notification has been performed and describing the method of that notification, verifying that the telephone number has been established and posted at the site, and giving that telephone number.	At least 15 days prior to the start of ground disturbance	Complete	NCPA	6/21/10	2010-046	Approved 6/29/10
NOISE-02	CONS	Throughout the construction and operation of the project, document, investigate, evaluate, and attempt to resolve all project-related noise complaints. Noise Complaint Resolution process will be used.	File a Noise Complaint Resolution Form with the City and the CPM documenting resolution of the complaint. If mitigation is required to resolve a complaint, and the complaint is not resolved within a three-day period, the project owner shall submit an updated Noise Complaint Resolution Form when the mitigation is implemented.	Within 5 days of receiving a noise compliant	As required	NCPA			
NOISE-03	PC	Submit a noise control program and statement signed by project manager verifying that noise control program will be implemented throughout construction of the project. The noise control program must comply with applicable OSHA and Cal-OSHA standards.	Submit a noise control program and project manager's verification letter to the CEC CPM for review and approval.	At least 30 days prior to ground disturbance	Complete	ARB	7/6/10	2010-054	Approved 7/8/10
NOISE-04a	COMM	Project design and implementation shall include appropriate noise mitigation measures adequate to ensure that the noise levels due to operation of the project alone will not exceed: an hourly average of 45 dBA, measured at or near monitoring locations M1 (approximately 4,250 feet north of the project site boundary) and M2 (approximately 5,500 feet northeast of the project site boundary); an hourly average of 44 dBA, measured at or near monitoring location M3 approximately 7,000 feet southeast of the project site boundary); and an hourly average of 42 dBA, measured at or near monitoring location M4 (approximately 10,000 feet south of the project site boundary). (See condition for additional information.)	Conduct a community noise survey at monitoring location M4, or at a closer location acceptable to the CPM. This survey during the power plant's full-load operation shall also include measurement of one-third octave band sound pressure levels. Conduct a survey of noise at monitoring locations M1, M2, and M3, or at closer locations acceptable to the CPM. The short-term noise measurements at this location shall be conducted during the nighttime hours of 10:00 p.m. to 7:00 a.m.	Within 30 days of project's first achieving a sustained output of 85% or greater of rated capacity	11/29/12	NCPA			
NOISE-04b	COMM	Submit a summary report of the survey to the CPM. Included in the survey report shall be a description of any additional mitigation measures necessary to achieve compliance with the above listed noise limit, and a schedule, subject to CPM approval, for implementing these measures. When these measures are in place, the project owner shall repeat the noise survey.	Submit required info to the CPM.	Within 15 days after completing noise survey	12/14/12	NCPA			

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NOISE-05	OPS	Conduct an occupational noise survey to identify the noise hazardous areas in the facility when plant reaches 85% of rated capacity or greater	Prepare a report of the survey results and, if necessary, identify proposed mitigation measures that will be employed to comply with the applicable California and federal regulations.	Within 30 days after completing survey	12/29/12	NCPA			
NOISE-06	CONS	Equip the steam blow piping with a temporary silencer. The project owner shall conduct steam blows only during the hours of 7:00 a.m. to 9:00 p.m.	Submit to the CPM drawings or other information describing the temporary steam blow silencer and a description of the steam blow schedule	At least 15 days prior to the first steam blow	Complete	ARB	5/25/12	2012-012 Stam Blow Procedure for Continuous Low Pressure Process	Approved 5/30/12
NOISE-07a	CONS	Notify all residents or business owners within one mile of the site of the planned steam blow activity, and make the notification available to other area residents in an appropriate manner.	The notification may be in the form of letters to the area residences, telephone calls, fliers or other effective means. The notification shall include a description of the purpose and nature of the steam blow(s), the proposed schedule, the expected sound levels, and the explanation that it is a one-time operation and not a part of normal plant operations.	At least 15 days prior to first steam blow(s)	Complete	NCPA	7/25/12	2012-019	Approved 7/26/12
NOISE-07b	CONS	Send a letter to the CPM confirming that they have been notified of the planned steam blow activities, including a description of the method(s) of that notification.	Provide the required documentation to the CPM.	Within 5 days of notifying entities	Complete	NCPA	7/25/12	2012-019	Approved 7/26/12
NOISE-08	PC	Heavy equipment operation and noisy construction work relating to any project features shall be restricted to any day from 6:00 a.m. to 9:00 p.m.	Submit a letter to the CPM acknowledging the construction time limitations will be observed throughout project construction.	Prior to ground disturbance	Complete	NCPA	6/2/10	2010-033	Approved 7/2/10
PAL-01a	PC	Provide the CPM with the resume and qualifications of the Paleontological Resource Specialist (PRS) for review and approval.	Submit the resume, references, and statement of availability to the CPM for review and approval.	At least 60 days prior to ground disturbance	Complete	CH2	4/19/10	2010-014	Approved 6/23/10
PAL-01b	PC	Provide a letter with resumes naming anticipated monitors stating they meet mimimum quals for monitoring.	Submit the requested info to the CPM .	At least 20 days prior to ground disturbance	Complete	CH2	4/19/10	2010-014	Approved 4/22/10
PAL-02	PC	Provide to the PRS and the CPM, for approval, maps and drawings showing the footprint of the power plant, construction laydown areas and all related facilities.	Provide maps and drawings to the PRS and CEC CPM	At least 30 days prior to ground disturbance	Complete	CH2	6/14/10	2010-042	Approved 6/23/10
PAL-03	PC	If deemed needed, the PRS shall prepare and submit a Paleontological Resources Monitoring and Mitigation Plan (PRMMP) to identify general and specific measures to minimize potential impacts to significant paleontological resources.	Provide the PRMMP to the CEC CPM, including an affidavit of authorship by the PRS and acceptance of the PRMMP by the project owner evidenced by a signature.	At least 30 days prior to ground disturbance	Complete	CH2	5/20/10	2010-024	Approved 6/23/10
PAL-04	PC	If deemed needed, the PRS shall prepare and conduct weekly CPM-approved training for all project managers, construction supervisors and workers who are involved with or operate ground disturbing equipment or tools.	Submit WEAP and related brochure to the CEC CPM for review and approval.	At least 30 days prior to ground disturbance	Complete	CH2	4/12/10	2010-012	Approved 4/13/10
PAL-05	CONS	Ensure that the PRS and PRM(s) monitor consistently with the PRMMP, all construction-related grading, excavation, trenching, and auguring in areas where potentially fossil-bearing materials have been identified.	Paleo monitors shall provide monthly summaries for inclusion in MCR.	Monthly	Complete	CH2	Ongoing during construction		

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PAL-06	OPS	Through the designated PRS, ensure that all components of the PRMMP are adequately performed (see list of activities included in Condition).	Maintain in compliance file copies of signed contracts or agreements with the designated PRS and other qualified research specialists. Maintain these files for a period of three years after completion and approval of the CPM-approved PRR required bu PAL-07.	As required	Annually	NCPA			
PAL-07	CONS	Ensure preparation of a Paleontological Resources Report (PRR) by the designated PRS to be completed following completion of ground disturbing activities.	Submit the PRR under confidential cover to the CPM.	Within 90 days after completion of ground disturbing activities	1/28/13	CH2			
SOIL & WATER-01a	PC	Comply with the requirements of the General National Pollutant Discharge Elimination System (NPDES) Permit for Discharges of Storm Water Associated with Construction Activity (WQO 99-08-DWQ).	Develop and implement a Storm Water Pollution Prevention Plan (construction SWPPP) for the LEC site, laydown areas, and on-site linear facilities. Submit to the CPM a copy of the construction SWPPP and retain a copy on-site.	Prior to site mobilization	Complete	CH2	7/1/20	2010-053	Approved 7/9/10
SOIL & WATER-01b	CONS	Submit copies to the CPM of all correspondence between the project owner and the CVRWQCB) about the construction SWPPP, including a copy of the NOI.	Submit the required information to the CEC.	Withinin 10 days of receipt	Complete	NCPA	Ongoing during construction		
SOIL & WATER-02	PC	Prepare a site-specific DESCP and obtain CPM approval of the plan. The DESCP shall address all elements set forth in Condition outlining site management activities and erosion and sediment control BMPs to be implemented during site mobilization, excavation, construction, and post construction activities.	Submit a copy of the DESCP to the CPM for review and approval.	No later than 60 days prior to site mobilization	Complete	CH2	4/26/10	2010-018	Approved 5/13/10
SOIL & WATER-03	CONS	If groundwater is encountered during construction or operation of the LEC, the project owner shall comply with the requirements of the CVRWQCB Order NO. R5-2008-0081 for Waste Discharge Requirements for Dewatering and Other Low threat Discharges to Surface Waters.	Submit a complete Notice of Intent (NOI) to obtain coverage under CVRWQCB Order No. R5-2008-0081. Submit copies to the CPM of all correspondence between the project owner and the CVRWQCB regarding Order No. R5-2008-0081 within 10 days of its receipt or submittal.	Prior to any groundwater discharge or dewatering activities	Complete	CH2			
SOIL & WATER-04	OPS	Comply with the requirements of the General National Pollutant Discharge Elimination System (NPDES) Permit for Discharges of Storm Water Associated with Industrial Activity (WQO 97-03-DWQ).	Develop and submit an Industrial SWPPP for the operation of the LEC. submit copies to the CPM of all correspondence between the project owner and the Central Valley Regional Water Quality Control Board regarding the industrial SWPPP within 10 days of its receipt or submittal.	Prior to commercial ops	Complete	NCPA	RWQCB granted NCPA application for Exemption on 7/3/12	2012-023	Exemption letter provided in MCR #24 and emailed to CPM on 8/19/12
SOIL & WATER-05	PC	Comply with the City of Lodi (COL) Municipal Codes, Title 15, Chapter 15.60, and Title 17, Chapter 17.51 regarding construction in a flood hazard zone.	Submit to the CPM a letter from the COL that states that the project has complied with the COL's flood plain construction and elevation requirements.	Prior to site mobilization	Complete	NCPA	6/28/10	2010-050	Approved 7/9/10
SOIL & WATER-06a	CONS	The project owner shall provide the CPM two copies of the executed Recycled Water Purchase Agreement (agreement) with the COL for the long-term supply (30 – 35 years) of tertiary treated recycled water to the LEC. The agreement shall specify a maximum daily supply of 2.61mgd with a total annual maximum supply of 1,800 AFY. The agreement shall specify all terms and costs for the delivery and use of recycled water by the LEC.	Submit two copies of the executed agreement for the supply and on-site use of recycled water at the LEC.	No later than 60 days prior to connection to City's recycled water pipeline	Complete	NCPA	5/19/10	2010-026	Approved 6/1/10

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SOIL & WATER-06b	CONS	The LEC shall not connect to the COL's recycled water pipeline without the final agreement in place and submitted to the CPM. The project owner shall comply with the requirements of Title 22 and Title 17 of the California Code of Regulations and section 13523 of the California Water Code.	The project owner shall submit to the CPM a copy of the Engineering Report and Cross Connection inspection and approval report from the California Department of Public Health prior to the delivery of recycled water from the COL.	Prior to the delivery of recycled water from the COL	Complete	NCPA	12/5/11	2011-026; copy of RWQCB Approval Letter to COL sent to CPM on 4/19/12	Approved 6/29/12
SOIL & WATER-07a	CONS	The project shall not construct a supply well or extract and use any groundwater therefrom until the SJCEHD issues its written evaluation as to whether the proposed well construction and operation activities comply with all applicable county well requirements, and the CPM provides approval to construct the well. Submit a well construction application to the SJCEHD in accordance the City of Lodi (COL) Municipal Code, Title 8, Chapter 8.08. (See condition for specific requirements.)	Send the CPM 2 copies of the water well construction application submitted to the San Joaquin SJCEHD.	No later than 30 days prior to construction of the onsite water supply well	Complete	NCPA	9/14/11	2011-018	Approved 11/14/11
SOIL & WATER-07b	CONS	Provide written concurrence from the SJCEHD indicating that the proposed well construction activities comply with all county well requirements and meets the requirements established by the county's water well permit program.	Provide CPM with 2 copies of the written concurrence document from the SJCEHD.	No later than 15 days prior to construction of the onsite water supply well	Complete	NCPA	9/14/11	2011-018	Approved 11/14/11
SOIL & WATER-07c	CONS	Ensure the driller has submitted Well Completion Report for each well installed to CDWR.	Provide a copy of the well completion report to the CPM along with a copy of well drilling logs, water quality analyses, and any inspection reports that may be completed.	No later than 60 days after installation of any water supply well	Complete	NCPA	2/29/12	2012-005	Approved 7/2/12
SOIL & WATER-07d	CONS	Ensure compliance with all county water well standards and requirements during construction.	Provide CPM with 2 copies of all monitoring or other reports required during construction.	As required	As required	NCPA	2/29/12	2012-005	Approved 7/2/12
SOIL & WATER-07e	CONS	Submit documentation to the CPM and the RWQCB that well drilling activities were conducted in compliance with Title 23, California Code of Regulations, Chapter 15, Discharges of Hazardous Wastes to Land, (23 CCR, sections 2510 et seq.) requirements and that any onsite drilling sumps used for project drilling activities were removed in compliance with 23 CCR section 2511(c).	Submit required info to the CPM.	No later than 15 days after completion of well	Complete	NCPA	5/18/12	2012-010; additional info emailed to CEC CPM on 8/20/12	Approved 7/2/12
SOIL & WATER-07f	OPS	Ensure compliance with all county water well standards and requirements for the life of the existing pumping well and any new pumping wells	Provide CPM with 2 copies of all monitoring or other reports required for compliance with the SJCEHD's water well standards and operation requirements, as well as any changes made to the operation of the well.	As required	As required	NCPA			
SOIL & WATER-07g	OPS	The project owner shall not use potable water as an emergency backup supply for more than 14 calendar days of plant operation without CPM approval.	If potable water is needed as an emergency backup supply for more than 14 days, obtain CEC approval in advance.	As required	As required	NCPA			
SOIL & WATER-08a	CONS	Install and maintain metering devices as part of the water supply and distribution system to monitor and record in gallons per day the volume of potable and recycled water supplied to the LEC.	Submit to the CPM evidence that metering devices have been installed and are operational on the potable and recycled pipelines serving the project.	At least 60 days prior to use of any water source for operations	Complete	ARB	5/18/2012 and 6/4/12	2012-009 for recyled water 2012-013 for domestic water supply	Approved 6/1/12

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SOIL & WATER-08b	OPS	Metering devices shall be operation for life of project.	Submit a water use summary report to the CPM in the annual compliance report for the life of the project. Also provide a report on the servicing, testing, and calibration of the metering devices.	Annually	Include in ACR	NCPA			
SOIL & WATER-9a	PC	Obtain and submit to the CPM the final approval of the UIC Class I Permit issued by USEPA Region IX for the construction and operation of the LEC deep injection well.	Submit the required info to the CPM.	Prior to construction	Complete	NCPA	2/23/10	2010-003	Approved 3/16/10
SOIL & WATER-9b	OPS	Provide the annual monitoring report summary required by the UIC Class I Permit and shall fully explain violations, exceedance, enforcement actions, or corrective actions related to permit compliance. Notify the CPM in writing of changes to the UIC Class I Permit that are instituted by either the project owner or USEPA Region IX including permit renewals.	Submit the required info to the CPM.	Ongoing	Ongoing	NCPA			
STRUC-01a	CONS	Prior to the start of any increment of construction of any major structure or component listed in Facility Design Table 1 of Condition of Certification GEN-2, above, the project owner shall submit to the CBO for design review and approval the proposed lateral force procedures for project structures and the applicable designs, plans, and drawings for project structures. Proposed lateral force procedures, designs, plans, and drawings shall be those for the items listed in the GEN-2 table. **Construction of any structure or component shall not begin until the CBO has approved the lateral force procedures to be employed in designing that structure or component.**	Submit to the CBO the final design plans, specs and calcs with a copy of the transmittal letter to the CPM.	At least 60 days prior to start of any structure or component listed in Facility Design Table 1 of GEN-2	Complete	WP	Ongoing during construction		Included as part of MCRs
STRUC-01b	CONS	Submit to the CPM a copy of a statement from the CBO that the proposed structural plans, specifications, and calculations have been approved and comply with the requirements set forth in applicable engineering LORS.	Submit required info to the CPM as part of the MCR.	Monthly	Complete	WP	Ongoing during construction		
STRUC-02	CONS	Submit to the CBO the required number of sets of the documents related to work that has undergone CBO design review and approval related to concrete cylinder strength test reports and pour sign-off sheets, bolt torque and field weld inspection reports, and other reports covering structural activities requiring special inspections in accordance with CBC 2007.	If a discrepancy is discovered in any of the above data, within five days, prepare and submit an NCR describing the nature of the discrepancies and the proposed corrective action to the CBO, with a copy of the transmittal letter to the CPM. The NCR shall reference the Condition(s) and the applicable CBC chapter and section. Within five days of resolution of the NCR, submit a copy of the corrective action to the CBO and the CPM. Transmit a copy of the CBO's approval or disapproval of the corrective action to the CPM within 15 days. If disapproved, the project owner shall advise the CPM, within five days, of the reason for disapproval and the revised corrective action necessary to obtain CBO's approval.	As required	Complete	WP	Ongoing during construction		NCR Report is included in MCR
STRUC-03	CONS	Submit to the CBO design changes to the final plans required by the 2007 CBC, including the revised drawings, specifications, calculations, and a complete description of, and supporting rationale for, the proposed changes, and shall give to the CBO prior notice of the intended filing.	Notify the CBO of the intended filing of design changes and shall submit the required number of sets of revised drawings and the required number of copies of the other above-mentioned documents to the CBO, with a copy of the transmittal letter to the CPM. The project owner shall notify the CPM, via the MCR, when the CBO has approved the revised plans.	Monthly	Complete	WP	Ongoing during construction		

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STRUC-04a	CONS	Tanks and vessels containing quantities of toxic or hazardous materials exceeding amounts specified in the 2007 CBC shall, at a minimum, be designed to comply with the requirements of that chapter.	Submit to the CBO for design review and approval the final plans, specs, and calcs, including a copy of the signed and stamped statement from the responsible engineer certifying compliance with LORS	At least 30 days prior to the start of installation of the tanks or vessels	Complete	WP	Ongoing during construction		Included as part of MCRs
STRUC-04b	CONS	Send copies of the CBO approvals of plan checks to the CPM. Also transmit a copy of the CBO's inspection approvals to the CPM in the MCR following completion of any inspection.	Provide requested into to CPM as part of the MCR.	Monthly	Complete	WP	Ongoing during construction		
TLSN-01	CONS	Construct the proposed transmission line according to the requirements of California Public Utility Commission's GO-95, GO-52, GO-131-D, Title 8, and Group 2, High Voltage Electrical Safety Orders, Sections 2700 through 2974 of the California Code of Regulations, and Pacific Gas and Electric's EMF-reduction guidelines.	Submit to the CPM a letter signed by a CA registered EE affirming that the line will be constructed according to the requirements set forth in the Condition.	At least 30 days prior to starting construction of the t-line or related structures and facilities	Complete	NCPA	3/28/11	2011-008	Approved 2/15/12
TLSN-02	OPS	Every reasonable effort will be made to identify and correct, on a case-specific basis, any complaints of interference with radio or TV signals from operation of the proposed line and associated switchyard.	Reports of line-related complaints shall be summarized for the project-related line and included during the first five years of plant operation in the Annual Compliance Report.	Annually	Include in ACR	NCPA			
TLSN-03a	COMM	Use a qualified individual to measure the strengths of the electric and magnetic fields from the line at the points of maximum intensity along the proposed route. The measurements shall be made before and after energization according to ANSI/IEEE standard procedures. These measurements shall be completed not later than six months after the start of operations.	File copies of the pre-energization measurements with the CPM	Within 60 days after completion of measurements	Complete	NCPA	1/18/12	2012-002	Approved 3/2/12
TLSN-03b	COMM	Use a qualified individual to measure the strengths of the electric and magnetic fields from the line at the points of maximum intensity along the proposed route. The measurements shall be made before and after energization according to ANSI/IEEE standard procedures. These measurements shall be completed not later than six months after the start of operations.	File copies of the post-energization measurements with the CPM	Within 60 days after completion of measurements	11/29/12	NCPA			
TLSN-04	OPS	Ensure that the rights-of-way of the proposed transmission line are kept free of combustible material, as required under the provisions of Section 4292 of the Public Resources Code and Section 1250 of Title 14 of the California Code of Regulations.	During the first five years of operation, the project owner shall provide a summary of inspection results and any fire prevention activities carried out along the right-of-way and provide such summaries in the Annual Compliance Report.	Annually	Include in ACR	NCPA			
TLSN-05	CONS	Ensure that all permanent metallic objects within the right-of-way of the project-related lines are grounded according to industry standards regardless of ownership.	Transmit to the CPM a letter confirming compliance with this condition.	At least 30 days before lines are energized	Complete	NCPA	11/20/11	2011-023	Approved 11/22/11
TRANS-01	PC	Prepare a construction traffic control and implementation plan for the project and its associated facilities. Must consult with the affected local jurisdiction(s), City of Lodi, CHP, Caltrans and San Joaquin County Public Works Department, in the preparation of the traffic control and implementation plan.	Provide a copy of the local jurisdiction's, and Caltrans written comments and a copy of the traffic control and implementation plan to the CPM.	At least 60 days prior to site mobilization	Complete	CH2	3/17/10	2010-005 to CEC 2010-006 to City et al	Approved 4/6/10 Amended Heavy Haul Plan Approved 12/17/10

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TRANS-02a	PC	Prepare a mitigation plan for Eight Mile Road, North Thornton Road, I-5 Frontage Road, and Cord Road to ensure that if these roadways are damaged by project construction, they will be repaired and reconstructed to original or as near original condition as possible.	Submit the traffic control plan to County PW Staff for review and comment and to the CPM for review and approval. (See condition for specific requirements.)	At least 90 days prior to site mobilization	Complete	CH2	4/6/10	2010-008	Approved 5/5/10
TRANS-02b	CONS	Provide photo/videotape documentation that the damaged sections of Eight Mile Road, North Thornton Road, I-5 Frontage Road, and Cord Road have been restored to their pre-project condition.	Submit info to San Joaquin Planning Department and the CPM	Within 90 days following completion of construction	1/28/13	NCPA			
TSE-01a	CONS	Provide the CPM and CBO with a schedule of transmission facility design submittals, a master drawing list, a master specifications list, and a major equipment and structure list for the components listed in the condition. To facilitate audits by CEC staff, the project owner shall provide designated packages to the CPM when requested.	Provide info to CBO and CPM. Additions and deletions shall be made to the table only with both CPM and CBO approval.	At least 60 days prior to start of construction of the t-line	Complete	WP	Ongoing during t-line construction		
TSE-01b	CONS	Provide schedule updates as part of the MCR.	Include the required documentation in the MCR.	Monthly	Complete	NCPA	Ongoing during t-line construction		
TSE-02a	CONS	Assign an electrical engineer and at least one of each of the following: a civil engineer; geotechnical engineer or a civil engineer experienced and knowledgeable in the practice of soils engineering; a design engineer who is either a structural engineer or a civil engineer and fully competent and proficient in the design of power plant structures and equipment supports; or a mechanical engineer.	Submit names, resumes, quals, and registration numbers of all engineers assigned to the project to the CBO for review and approval. (If any are replaced, new resumes must be submitted.)	At least 30 days prior to start of rough grading	Complete	WP	6/14/10	2010-045	Approved 6/22/10
TSE-02b	CONS	If the designated responsible engineer is subsequently reassigned or replaced, the project owner has five days in which to submit the name, qualifications, and registration number of the newly assigned engineer to the CBO for review and approval.	The project owner shall notify the CPM of the CBO's approval of the new engineer	within five days of the approval	Complete	NCPA			
TSE-03	CONS	If any discrepancy in design and/or construction is discovered in any engineering work that has undergone CBO design review and approval, the project owner shall document the discrepancy and recommend corrective action. The discrepancy documentation shall become a controlled document and shall be submitted to the CBO for review and approval and refer to this condition of certification.	Submit a copy of the CBO's approval or disapproval of any corrective action taken to resolve a discrepancy to the CPM.	Within 15 days of receipt	Complete	WP			CEC approved minor relocation of one tower on 6/9/11
TSE-04a	CONS	For the power plant switchyard, outlet line and termination, construction shall not begin until plans for that increment of construction have been approved by the CBO. These plans, together with design changes and design change notices, shall remain on the site for one year after completion of construction.	Submit to the CBO for review and approval the final design plans, specifications and calculations.	At least 30 days before the start of each increment of construction	Complete	NCPA			CBO has approved all documents for construction
TSE-04b	CONS	The following activities shall be reported in the MCR: A. Receipt Or Delay Of Major Electrical Equipment; B. Testing Or Energization Of Major Electrical Equipment; and C. The Number Of Electrical Drawings Approved, Submitted For Approval, And Still To Be Submitted.	Include the required documentation in the MCR.	Monthly	Complete	NCPA	Ongoing during t-line construction		

Cond. #	Sort Code	Description of Project Owner's Responsibilities	Verification/Action/Submittal Required by Project Owner	Timeframe	Date Due to CEC CPM	Lead Respons. Party	Date sent to CEC, CBO or agency	NCPA Log #	CEC Status
TSE-05a	CONS	Design, construct, and operate the proposed transmission facilitiesin conformance with all applicable LORS, **and the requirements listed in the condition (see Items A-I).**	Submit the required number of copies of the design drawings and calculations, as determined by the CBO.	At least 60 days prior to start to start of construction of the transmission facilities	Complete	WP			CBO has approved all documents for construction
TSE-05b	CONS	Provide electrical one-line diagrams signed and sealed by the registered professional electrical engineer in charge, a route map, and an engineering description of the equipment and configurations covered by requirements TSE-5 a) through j),	Submit the requested info to the CBO for approval.	At least 60 days prior to start to start of construction of the transmission facilities	Complete	NCPA			CBO has approved all documents for construction
TSE-05c	CONS	Provide the final Detailed Facility Study (DFS) including a description of facility upgrades, operational mitigation measures, and/or special protection system sequencing and timing if applicable.	Submit the requested info to the CBO for approval.	At least 60 days prior to start to start of construction of the transmission facilities	Complete	NCPA			Completed during permitting
TSE-05d	CONS	Provide the executed project owner and California ISO facility interconnection agreement.	Submit the requested info to the CBO for approval.	At least 60 days prior to start to start of construction of the transmission facilities	Complete	NCPA			Completed during permitting
TSE-05d	CONS	Provide evidence showing coordination with the affected agencies and utilities including but not limited to Western Area Power Administration and Lodi Electric Utility.	Submit the requested info to the CBO for approval.	At least 60 days prior to start to start of construction of the transmission facilities	Complete	NCPA			Completed during permitting
TSE-05e	CONS	Inform the CPM and CBO of any impending changes which may not conform to the requirements of TSE-05 and request approval to implement such changes.	Inform the CBO and CPM of any impending changes.	At least 60 days prior to start to start of construction of the transmission facilities	Complete	WP			No changes
TSE-06	COMM	Provide notice to the Cal-ISO prior to synchronizing the facility with the California transmission system as referenced in items A & B of the condition.	Provide written letter to CAISO 7 days prior to synch and send CPM copy of letter. At least 1 business day before synch, call CAISO's outage coordination department (Monday through Friday, between the hours of 7:00 a.m. and 3:30 p.m. at (916) 351-2300).	One week prior to initial synchronization w/ the grid	Complete	NCPA	8/21/12	2012-022	Approved 9/4/12

Cond. #	Sort Code	Description of Project Owner's Responsibilities	Verification/Action/Submittal Required by Project Owner	Timeframe	Date Due to CEC CPM	Lead Respons. Party	Date sent to CEC, CBO or agency	NCPA Log #	CEC Status
TSE-07	CONS	Inspect the transmission facilities during and after project construction, and for any subsequent CPM- and CBO-approved changes, to ensure conformance with CPUC General Order 95 or National Electric Safety Code (NESC); Title 8 of the California Code and Regulations (Title 8); Articles 35, 36 and 37 of the High Voltage Electric Safety Orders, California ISO standards, National Electric Code (NEC) and related industry standards. In cases of non-conformance, the project owner shall inform the CPM and CBO, in writing and within 10 days of the discovery of such non-conformance, and the actions that will be taken to correct it.	Transmit to the CPM and CBO: "As built" engineering description(s) and one-line drawings of the electrical portion of the facilities signed and sealed by the registered electrical engineer in charge; a statement verifying conformity with the standards set forth in Condition; "as built" engineering description of the mechanical, structural, and civil portion of the transmission facilities signed and sealed by the registered engineer in charge or an acceptable alternative verification; and a summary of inspections of the completed transmission facilities, and identification of any nonconforming work and corrective actions taken, signed and sealed by the registered engineer in charge.	Within 60 days after first synchronization to the grid	10/24/12	NCPA			
VIS-01	CONS	Ensure that construction lighting is used in a manner that minimizes potential night lighting impacts: minimum necessary brightness, shielded/hooded and directed downward, and kept off when not in use.	Notify the CPM that the lighting is ready for inspection. (If complaints are received, provide CPM with a complaint resolution form report and include copy in MCR.)	Within 7 days after first use of construction lighting	Complete	ARB			
VIS-02	CONS	Landscape screening deleted.		None	Complete				
VIS-03a	CONS	Ensure that the cooling tower is designed and operated as presented to the CEC during the licensing of the LEC project. The cooling tower shall be designed and operated to meet the plume fogging frequency curve received into evidence as Exhibit 5 at the evidentiary hearing held at theCEC on 1/5/10.	Provide to the CPM for review the final design specifications of the cooling tower to confirm that the fogging frequency curve for the cooling tower cells matches Exhibit 5. The project owner shall not order the cooling tower until notified by the CPM that this design requirement has been satisfied.	At least 90 days prior to ordering the cooling tower	Complete	WP			Approved 7/9/10
VIS-03b	OPS	Demonstrate that the cooling tower has consistently been operated to meet above-specified fogging frequency curve (except as necessary to prevent damage to the cooling tower). If determined that the cooling tower has not operated within the specified design parameters, the project owner shall provide proposed remedial actions for CPM review and approval.	Provide the CPM written documentation in the project's ACR and at anytime as requested by the CPM. If requested by the CPM, the project owner shall provide the requested cooling tower operating data to the CPM at a date determined by the CPM.	Annually	Include in ACR	NCPA			
VIS-04a	CONS	Design and install all permanent exterior lighting such that (a) lamps and reflectors are not visible from beyond the project site, including any off-site security buffer areas; (b) lighting does not cause excessive reflected glare; (c) direct lighting does not illuminate the nighttime sky; (d) illumination of the project and its immediate vicinity is minimized, and (e) the plan complies with local policies and ordinances.	Contact the CPM to discuss the documentation required in the lighting mitigation plan. The project owner shall not order any exterior lighting until receiving CPM approval of the lighting mitigation plan.	At least 90 days prior to ordering any permanent exterior lighting	Complete	WP			
VIS-04b	CONS	Prepare a lighting mitigation plan that includes the specific info set forth in the condition.	Submit to the CPM for review and approval and simultaneously to city of Lodi Community Development Department and San Joaquin County Community Development Department for review and comment.	At least 60 days prior to ordering any permanent exterior lighting	Complete	WP	3/18/11	2011-005 and 2011-006	Approved 6/9/11
VIS-04c	COMM	Notify the CPM that the permanent exterior lighting has been completed and is ready for inspection.	Set up an inspection appointment.	Prior to start of commercial operation	10/15/12	ARB			
VIS-04d	OPS	Notify the CPM of any complaints re: lighting.	Submit a complaint resolution form to the CPM record each lighting complaint and document resolution of that complaint.	Within 48 hours after receiving a complaint	As required	NCPA			

Cond. #	Sort Code	Description of Project Owner's Responsibilities	Verification/Action/Submittal Required by Project Owner	Timeframe	Date Due to CEC CPM	Lead Respons. Party	Date sent to CEC, CBO or agency	NCPA Log #	CEC Status
VIS-05a	CONS	Treat the surfaces of all project structures and buildings visible to the public in accordance with the provisions in the Condition. The transmission line conductors shall be nonspecular and nonreflective; and the insulators shall be nonreflective and nonrefractive. The project owner shall not specify to the vendors the treatment of any buildings or structures treated during manufacture, or perform the final treatment on any buildings or structures treated in the field, until the project owner receives notification of approval of the treatment plan by the CPM. Subsequent modifications to the treatment plan are prohibited without CPM approval.	Submit a specific surface treatment plan to the CPM for review and approval that addresses all the items in the Condition, and simultaneously to the city of Lodi Community Development Department and San Joaquin County Community Development Department for review and comment.	At least 90 days prior to specifying to the vendor the colors and finishes of the first structures or buildings that are surface treated during manufacture	Complete	ARB	10/27/10	2010-065	Approved 12/10/10
VIS-05b	COMM	Notify the CPM that the surface treatment of all listed structures and buildings has been completed and is ready for inspection and submit electronic color photographs taken from the same KOPs	Set up an inspection appointment.	Prior to start of commercial operation	10/15/12	NCPA			
VIS-05c	OPS	Provide a status report regarding surface treatment maintenance in the Annual Compliance Report. The report shall specify (a): the condition of the surfaces of all structures and buildings at the end of the reporting year; (b) maintenance activities that occurred during the reporting year; and (c) the schedule of maintenance activities for the next year.	Include the required documentation in the ACR.	Annually	Include in ACR	NCPA			
WASTE-01	PC	Prepare a Construction Waste Management Plan for all wastes generated during construction of the facility.	Submit plan to the CPM for review and approval. See Final Decision WASTE-5 for plan requirements.	No less than 30 days prior to project construction	Complete	CH2	5/14/10	2010-025	Approved 6/14/10
WASTE-02	PC	Provide the resume of a Registered PE or Geologist, who shall be available for consultation during site characterization (if needed), excavation and grading activities.	Submit resume to CPM for approval.	At least 30 days prior to site mobilization	Complete	CH2	3/17/10	2010-007	Approved 3/29/10
WASTE-03	CONS	If potentially contaminated soil is identified during site characterization, excavation, or grading at either the proposed site or linear facilities, as evidenced by discoloration, odor, detection by handheld instruments, or other signs, the Professional Engineer or Professional Geologist shall inspect the site, determine the need for sampling to confirm the nature and extent of contamination, and provide a written report to the project owner, representatives of DTSC, and the CPM stating the recommended course of action.	Submit any final reports filed by the Professional Engineer or Professional Geologist to the CPM. Project owner must notify the CPM within 24 hours of any orders issued to halt construction.	Within 5 days of their receipt	Complete	NCPA	Ongoing during construction		
WASTE-04	CONS	Obtain a hazardous waste generator identification number from the United States Environmental Protection Agency prior to generating any hazardous waste during construction and operations.	Keep a copy of the identification number on file at the project site and provide the number to the CPM in the next MCR.	Prior to generating any haz waste	Complete	ARB	10/27/10	emailed	Approved 10/27/10
WASTE-05	CONS	Upon becoming aware of any impending waste management-related enforcement action by any local, state, or federal authority, notify the CPM of any such action taken or proposed to be taken against the project itself, or against any waste hauler or disposal facility or treatment operator with which the owner contracts.	Notify the CPM in writing within 10 days of becoming aware of an impending enforcement action. The CPM shall notify the project owner of any changes that will be required in the manner in which project-related wastes are managed.	As required	Complete	NCPA	Ongoing during construction		
WASTE-06a	COMM	Prepare an Operations Waste Management Plan for all wastes generated during construction of the facility that meets the requirements defined in the condition.	Submit plan to the CPM for review and approval. See Final Decision WASTE-5 for plan requirements.	No less than 30 days prior to start of project operation	6/19/12	NCPA	6/19/12	2012-015	Pending CEC approval

Cond. #	Sort Code	Description of Project Owner's Responsibilities	Verification/Action/Submittal Required by Project Owner	Timeframe	Date Due to CEC CPM	Lead Respons. Party	Date sent to CEC, CBO or agency	NCPA Log #	CEC Status
WASTE-06b	OPS	Document in each ACR the actual volume of wastes generated and the waste management methods used during the year; provide a comparison of the actual waste generation and management methods used to those proposed in the original Operation Waste Management Plan; and update the Operation Waste Management Plan as necessary to address current waste generation and management practices.	Submit the required documentation as part of the ACR.	Annually	Include in ACR	NCPA			
WASTE-07	OPS	Ensure that the cooling tower sludge is tested pursuant to Title 22, California Code of Regulations, Division 4.5, section 66262.10.	Report findings in a report to the CPM. If two consecutive tests show that the sludge is non-hazardous, the project owner may apply to the CPM to discontinue testing.	No less than 60 days after start of project operations	12/29/12	NCPA			
WASTE-08	CONS	Ensure that all spills or releases of hazardous substances, hazardous materials, or hazardous waste are reported, cleaned-up, and remediated as necessary, in accordance with all applicable federal, state, and local requirements.	Provide documentation as set forth in the verification language of the condition to the CPM. Copies of the unauthorized spill documentation shall be provided to the CPM within 30 days of the date the release was discovered.	As required	Complete	ARB	6/15/11	2011-011	Approved 6/20/11
WORKER SAFETY-01	PC	Submit a copy of the Project Construction Safety and Health Program containing the following construction plans: PPE, Exposure Monitoring, IIPP,EAP, and FPP. Provide a copy of a letter to the CPM from the Woodbridge Fire Protection District stating the fire department's comments on the Construction FPP and EAP.	The Safety Program, PPE, IIPP, and Exposure Monitoring Program shall be submitted to the CEC CPM for review and approval; the EAP and FPP shall be submitted to the Woodbrige Fire Protection District for review and comment prior to submittal to the CPM for approval.	At least 30 days prior to start of construction	Complete	ARB	7/8/10	2010-060	Approved 7/12/10
WORKER SAFETY-02	COMM	Prepare and submit an O&M Safety & Health Plan containing: an IIPP, EAP, HMMP, FPP, and PPE.	The Operations IIPP, EAP, PPE shall be submitted to the CEC CPM for review and comment; the EAP and FPP shall also be submitted to the Woodbrige Fire Protection District for review and comment. Provide a copy of a letter to the CPM from the Woodbridge Fire Protection District stating the fire department's comments on the Operations Fire Prevention Plan and Emergency Action Plan.	At least 30 days prior to first fire or commissioning	Complete	NCPA	10/20/11	2011-020	Approved 2/22/12
WORKER SAFETY-03a	CONS	Provide a site Construction Safety Supervisor (CSS) who will perform the duties set forth in the Condition.	Submit to CPM the name and contact info for the construction safety supervisor.	At least 30 days prior to site mobilization	Complete	ARB	6/22/10	Submitted J. Selvey under 2011-002	
WORKER SAFETY-03b	CONS	The CSS shall prepare and submit a monthly safety inspection that includes the info specified in the verification language of the condition.	Submit required info to the CPM.	Monthly	Complete	CBO	Ongoing during construction		
WORKER SAFETY-04a	PC	Make payments to the CBO for the services of a Safety Monitor (in addition to the other services provided by the CBO).	Provide proof of agreement to fund the safety monitor services to the CPM for review and approval.	Prior to the start of construction	Complete	NCPA	5/31/2010 Addendum went to CEC on 6/21/10	2010-034	Approved 6/21/10
WORKER SAFETY-04b	CONS	The CBO Safety Monitor shall be responsible for verifying that the construction safety supervisor implements all required Cal/OSHA and CEC safety requirements.	Submit the CBO Safety Monitor's report as part of the MCR.	Monthly	Complete	CBO	Ongoing during construction		

Exhibit 7

Construction Safety Report

Monthly CEC Project Workers Safety Report

Project: Lodi Energy Center 08-AFC-10

Report Period: September 2012

Prepared by Inspector of Record: Taner Pamuk

1. Executive Summary of the Workers Safety Management

- Contractor ARB's safety manager continued to support field operations in regards to safety
- The CBO safety continued to monitor construction work activities of the LEC Project.

2. Field Condition and Observations

No major discrepancies or violations were observed during the site visits of this Month. Lodi Energy Center construction activities continued to comply with the California Energy Commission's Final Decision Worker Safety requirement through contractor ARB's safety program.

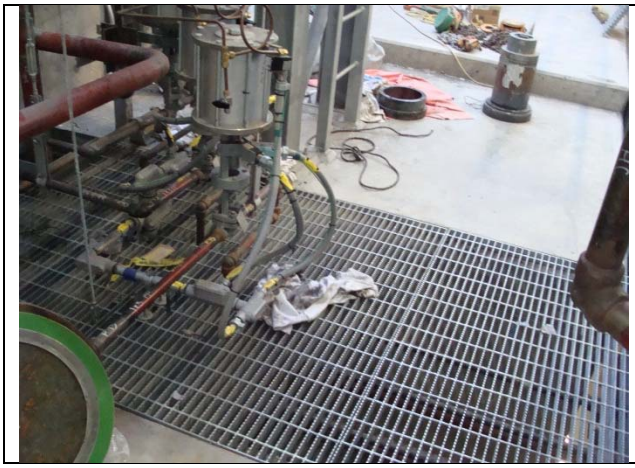
Minimal amount of construction work activities were observed during this month such as; Scaffold dismantling activity inside HRSG, Grading & Pavement operations continued plant wide, and Insulators working in various locations including inside the STG Building.

Commissioning operations also continued during this month including steam blow which went uneventfully.

Pictorial summery of the site conditions

	
Photo #1 – Demobilization of steam blow down set-up	Photo #2 – Grading operation

3. Observed Unsafe Conditions and Corrective Actions Taken

	**Correction Required** Housekeeping concerns; oily rags at work areas **Standard** 8 CCR 1513 (d)&(e) **Corrective Action Requested** Ensure that daily clean out is performed at the end of each work shift RESOLVED

California Energy Commission LODI Energy Center September 2012 Summary of Inspections

No.	Date	Description of area of work:	Open Item(s)	Signed off	CBO Approval	Open Item
1	09/27/10	HRSG Duct Bank crossing (north)	Need listing for couplers	09/30/10	Lowell Brown	
2	09/30/10	HRSG Duct Bank crossing (Middle)	N/A	10/04/10	Lowell Brown	
3	10/06/10	HRSG Duct Bank crossing (South)	N/A	10/07/10	Lowell Brown	
4	10/14/10	HRSG Ground Grid	CEMS Grounding, Lightning c/o stack	10/14/10	Lowell Brown	
5	10/21/10	CTG Ground Grid	N/A	10/21/10	Lowell Brown	
6	11/01/10	HRSG Bottom Mat, bolts & drains	Rebar Mat laps, repair pipe wrap	11/01/10	Lowell Brown	
7	11/04/10	HRSG Drain Ductile Iron Top out	Top out O.K.	11/04/10	Lowell Brown	
8	11/04/10	HRSG Top Mat & Repairs	Rebar, Bolts, Pipe Wrap finished	11/04/10	Lowell Brown	
9	11/10/10	CTG Foundation Bottom Mat	Progress O.K., Need Conduits & Pipe	11/10/10	Lowell Brown	
10	11/10/10	Site Temporary Facilities	Provide approved plans for Inspection	11/10/10	Lowell Brown	
11	11/12/10	Firewall Ftg, Rebar & Grounds	Rebar & Grounds	11/12/10	Lowell Brown	
12	11/22/10	Fire Wall Rebar	Minor Items to be confirmed by Spec.	11/22/10	Lowell Brown	
13	11/24/10	CT Drains (3) Top out Test	O.K., pipe test X 3	11/24/10	Lowell Brown	
14	12/10/10	Fire Line Tie-in Spool	Hydrotest to 200 psi / 2hrs, o.k.,	12/10/10	Lowell Brown	
15	12/10/201	CTG Foundation Top Mat, Bolts, conduits & grnd	See 14 item corr. Notice	12/14/10	Lowell Brown	
16	12/10/10	STIG Cooling Tower Fnd, & Chem Skids	Rebar & bolts o.k.	12/10/10	Lowell Brown	
17	12/12/10	Trailer reinspection for ARB	O.K.	12/12/10	Lowell Brown	
18	12/14/10	CTG Foundation Reinspection	Rebar corrections completed.	12/14/10	Lowell Brown	
19	12/22/10	Cooling Tower Sump Rebar & Grnds	Rebar & grnds o.k.	12/22/10	Lowell Brown	
20	12/22/10	CTG Pedestal Rebar & grnds	See 3 item corr. Notice	12/23/10	Lowell Brown	
21	12/23/10	CTG Pedestal Rebar & grnds Reinspection	Rebar O.K.,	12/23/10	Lowell Brown	
22	01/07/11	Cooling Tower Sump Walls (partial)	Rebar O.K.,	01/07/11	Lowell Brown	
23	01/07/11	Worley Parsons Construction Site Trailer	See 5 Item Correction Notice			Now removed
24	01/12/11	CTG Pedestals Rebar and Plates	See 11 item Correction Notice	01/14/11	Lowell Brown	
25	01/14/11	Reinsp. Pedestals and Plates	Items corrected, O.K.	01/14/11	Lowell Brown	

No.	Date	Description of area of work:	Open Item(s)	Signed off	CBO Approval	Open Item
26	01/18/11	Cooling Tower Slab on grade rebar & Water Stop	See (2) item Correction Notice	01/20/11	Lowell Brown	
27	01/20/11	Reinspect C.T. /SOG, Rebar & Water Stop	Corrections complete, O.K.	01/20/11	Lowell Brown	
28	01/25/11	Gas Compressor Foundation Rebar	Rebar O.K.	01/25/11	Lowell Brown	
29	01/25/11	Oil/Water Sep. Fdn Rebar, bolts & C.T. Walls	Rebar/bolts OWS, rebar O.K. CT Walls	01/28/11	Lowell Brown	
30	02/04/11	STIG Gas Compressor & C.T. Pads Pipe supp.	Rebar, grounds and bolts O.K.	02/04/11	Lowell Brown	
31	02/16/11	Cooling Tower Sump south wall & Lube Oil Curb	Rebar and waterstop O.K.,	02/16/11	Lowell Brown	
32	02/23/11	STG Foundation Rebar, Bolts and Grounds	See (4) item correcttion list	02/28/11	Lowell Brown	
33	02/28/11	STG Fnd reinsp Rebar, Bolts and Grounds	Rebar, bolts & grounds O.K.	02/28/11	Lowell Brown	
34	03/08/11	Exhaust Outlet Foundation	Rebar /bolts O.K.	03/08/11	Lowell Brown	
35	03/09/11	Blow Down Slump	Rebar / waterstop O.K.	03/09/11	Lowell Brown	
36	03/14/11	Cooling Tower East wall	Rebar waterstop. O.K.	03/11/11	Lowell Brown	
37	03/14/11	CT GST Rebar and Waterstop	Rebar and waterstop O.K.	03/13/11	Lowell Brown	
38	03/16/11	Pump Chamber Cooling Tower	Rebar / clearance / waterstop. O.K.	03/16/11	Kevin Dumford	
39	03/18/11	Cooling Tower Basin Pump	Rebar /clearance/waterstop. O.K.	03/18/11	Kevin Dumford	
40	03/18/11	Waste Water Collection Slump matt	Rebar/waterstop O.K.	03/18/11	Kevin Dumford	
41	03/22/11	STG Condenser Pedestals	Corrections.	03/28/11	Lowell Brown	
42	03/22/11	HRSG Roto Air Cooler Pedestals	Corrections.	03/31/11	Lowell Brown	
43	03/25/11	STG Condenser Pedestals	Corrections.	03/28/11	Kevin Dumford	
44	03/28/11	STG Condenser Pedestals	Rebar Corrections complete O.K.	03/28/11	Kevin Dumford	
45	03/30/11	HRSG Roto Air Cooler Pedestals	Rebar / clearance	03/31/11	Kevin Dumford	
46	03/30/11	Cooling Tower slab center section.	Rebar/waterstop/clearance. O.K.	03/30/11	Kevin Dumford	
47	03/30/11	CT Gen. step up foundation pedestals	Rebar / clearance. O.K.	03/31/11	Kevin Dumford	
48	04/05/11	HRSG utility bridge foundation east side.	Rebar/ clearance. O.K.	04/05/11	Kevin Dumford	
49	04/05/11	CT Gen. step up walls 3ft lift.	Rebar/waterstop/clearance. O.K.	04/06/11	Kevin Dumford	
50	04/05/11	West side HRSG utility bridge foundation.	Rebar/clearance. O.K.	04/06/11	Kevin Dumford	
51	04/05/11	Cooling tower walls (middle).	corrections	04/07/11	Kevin Dumford	

No.	Date	Description of area of work:	Open Item(s)	Signed off	CBO Approval	Open Item
52	04/07/11	Cooling tower walls (middle).	Rebar/waterstop/clearance. O.K.	04/07/11	Kevin Dumford	
53	04/07/11	Pipping suppoert cooling tower.	Rebar/ bolts. O.K.	04/07/11	Kevin Dumford	
54	04/11/11	Utility bridge (HRSG) west side.	Rebar/clearance. O.K.	04/07/11	Kevin Dumford	
55	04/12/11	Waste water collection sump walls.	Rebar/clearance/waterstop. O.K.	04/12/11	Kevin Dumford	
56	04/12/11	Top of pump chamber cooling tower.	Rebar/clearance. O.K.	04/12/11	Kevin Dumford	
57	04/12/11	Cooling tower pipe supports south of C/T.	Rebar. O.K.	04/13/11	Kevin Dumford	
58	04/14/11	Duct bank at cooling tower to water treatment.	rebar (roadway) and conduit.	04/14/11	Kevin Dumford	
59	04/15/11	HRSG power block.	Rebar/clearance.	04/15/11	Kevin Dumford	
60	04/19/11	STG permimeter foundation.	missing drains correction.	04/21/11	Kevin Dumford	
61	04/20/11	HRSG power block columns.	Rebar/clearance. O.K.	04/20/11	Kevin Dumford	
62	04/21/11	STG permimeter foundation.	Rebar/clearance added drains.	04/21/11	Kevin Dumford	
63	04/25/11	CT Gen step up (blast) walls.	Rebar/clearance. O.K.	04/27/11	Kevin Dumford	
64	04/28/11	Utility bridge (HRSG) foundation F-7 F-8.	Rebar/clearance. O.K.	04/28/11	Kevin Dumford	
65	04/28/11	PDC "1" foundation.	Rebar/clearance. O.K.	04/28/11	Kevin Dumford	
66	05/03/11	PDC "1" columns.	Rebar/clearance. O.K.	05/04/11	Kevin Dumford	
67	05/05/11	Utility bridge HRSG columns	Rebar/clearance. O.K.	05/05/11	Kevin Dumford	
68	05/06/11	ISO phase bus duct	Rebar/clearance. O.K.	05/10/11	Kevin Dumford	
69	05/06/11	CT electrical platform foundation	Rebar/clearance. O.K.	05/10/11	Kevin Dumford	
70	05/10/11	North boiler feedwater foundation	Rebar/clearance. O.K.	05/10/11	Kevin Dumford	
71	05/11/11	South boiler feedwater foundation	Rebar/clearance. O.K.	05/11/11	Kevin Dumford	
72	05/11/11	HRSG utility bridge F-5 & F-6	Rebar/clearance. O.K.	05/11/11	Kevin Dumford	
73	05/11/11	STG second lift	Rebar/clearance. O.K.	05/12/11	Kevin Dumford	
74	05/11/11	Switchyard foundation F-1,F-2,F-3,F-4 & F-12	Rebar/clearance. O.K.	05/13/11	Kevin Dumford	
75	5/12/20	HRSG utility bridge pedestals	Rebar/clearance. O.K.	05/13/11	Kevin Dumford	
76	05/13/11	CT water drain tank foundation.	Rebar/clearance. O.K.	05/13/11	Kevin Dumford	
77	05/16/11	Circuit breaker foundation switchyard.	Rebar/clearance. O.K.	05/17/11	Kevin Dumford	
78	05/17/11	Temp pipe supports.	Rebar. O.K.	05/17/11	Kevin Dumford	

No.	Date	Description of area of work:	Open Item(s)	Signed off	CBO Approval	Open Item
79	05/17/11	Switchyard pole supports F-1,F-2,F-3 & F-4.	Rebar/clearance. O.K.	05/20/11	Kevin Dumford	
80	05/17/11	Switchyard transmission foundations F-7 & F-8.	Rebar/clearance. O.K.	05/20/11	Kevin Dumford	
81	05/23/11	Circuit breaker support foundation.	Rebar/clearance. O.K.	05/24/11	Kevin Dumford	
82	05/23/11	Electrical equipment foundation.	Rebar/clearance. O.K.	05/24/11	Kevin Dumford	
83	05/23/11	Platforms & stair foundations.	Rebar/clearance. O.K.	05/24/11	Kevin Dumford	
84	05/23/11	Switchyard pole supports F-5,F-6 & F-7.	Rebar/clearance. O.K.	05/24/11	Kevin Dumford	
85	05/25/11	Vortey breakers cooling tower.	Rebar/clearance. O.K.	05/26/11	Kevin Dumford	
86	05/25/11	Circuit breaker pedestals	Rebar/clearance. O.K.	05/26/11	Kevin Dumford	
87	05/25/11	10" curb power block.	Rebar/clearance. O.K.	05/26/11	Kevin Dumford	
88	05/25/11	Boiler fedwater equipment pad.	Rebar/clearance. O.K.	05/26/11	Kevin Dumford	
89	05/31/11	Cooling tower pump platform foundation.	Rebar not ready	06/06/11	Kevin Dumford	
90	06/06/11	STIG gas compressor pipe supports.	Rebat /clearance. O.K.	06/06/11	Kevin Dumford	
91	06/06/11	Cooling tower pump platform foundation.	Rebar/clearance. O.K.	06/06/11	Kevin Dumford	
92	06/06/11	Fuel gas equipment foundations.	Rebar/clearance. O.K.	06/06/11	Kevin Dumford	
93	06/08/11	Water seperator slab.	Rebar/clearance. O.K.	06/08/11	Kevin Dumford	
94	06/10/11	STIG gas compressor pipe supports pedestals.	Rebar/clearance. O.K.	06/10/11	Kevin Dumford	
95	06/13/11	STG third left.	Rebar/clearance. O.K.	06/15/11	Kevin Dumford	
96	06/14/11	Fuel gas equipment foundations pedestals.	Rebar/clearance. O.K.	06/15/11	Kevin Dumford	
97	06/14/11	Cooling tower pump foundation pedestals.	Rebar/clearance. O.K.	06/15/11	Kevin Dumford	
98	06/14/11	Fuel Gas heater	Rebar/clearance. O.K.	06/15/11	Kevin Dumford	
99	06/16/11	Control Oil skid	Rebar/clearance. O.K.	06/17/11	Kevin Dumford	
100	06/21/11	Transmission foundation F9	Rebar/clearance. O.K.	06/21/11	Kevin Dumford	
101	06/21/11	Clarified Water tank Foundation.	Rebar/clearance. O.K.	06/21/11	Kevin Dumford	
102	06/23/11	Transmission Foundation F 11.	Rebar/clearance. O.K.	06/23/11	Kevin Dumford	
103	06/23/11	Water Treatment building foundation.	Rebar/clearance and waterstop. O.K.	06/23/11	Kevin Dumford	
104	06/24/11	STG pedestal P.	Rebar/clearance. O.K.	06/23/11	Kevin Dumford	
105	06/24/11	Air Compressor pipe rack foundation.	Rebar/clearance. O.K.	06/24/11	Kevin Dumford	

No.	Date	Description of area of work:	Open Item(s)	Signed off	CBO Approval	Open Item
106	06/24/11	Transmission Foundation F 10, F 12.	Rebar/clearance. O.K.	06/24/11	Kevin Dumford	
107	06/28/11	Cooling Tower stair pad.	Rebar/clearance. O.K.	06/28/11	Kevin Dumford	
108	06/29/11	STG pedestal.	Rebar/clearance. O.K.	06/29/11	Kevin Dumford	
109	06/29/11	Wash trailer foundation.	Rebar/clearance. O.K.	06/29/11	Kevin Dumford	
110	06/30/11	South stair landing CTG black.	Rebar/clearance. O.K.	06/30/11	Kevin Dumford	
111	06/30/11	HRSG bridge stair landing	Rebar/clearance. O.K.	06/30/11	Kevin Dumford	
112	06/30/11	STG pipe rack F8, F7.	Rebar/clearance. O.K.	06/30/11	Kevin Dumford	
113	07/01/11	Transmission foundation F1.	Rebar/clearance. O.K.	07/01/11	Kevin Dumford	
114	07/05/11	SUS transformer foundation.	Rebar/clearance. O.K.	07/05/11	Kevin Dumford	
115	07/08/11	Lower slab sump chemical feed unloading.	Rebar/clearance. O.K.	07/08/11	Kevin Dumford	
116	07/08/11	Water treatment curbs & equipment pads.	Rebar/clearance. O.K.	07/08/11	Kevin Dumford	
117	07/08/11	Transmission foundation F4.	Not Ready	07/08/11	Kevin Dumford	
118	07/08/11	STG utility bridge foundation pipe rack F4.	Rebar/clearance. O.K.	07/08/11	Kevin Dumford	
119	07/12/11	Water treatment, remainder of equipment pads	Rebar/clearance. O.K.	07/12/11	Kevin Dumford	
120	07/12/11	Chemical feed unloading bottom slab only.	Rebar/ water stop/clearance. O.K.	07/12/11	Kevin Dumford	
121	07/14/11	HRSG power block stair landing.	Rebar/clearance. O.K.	07/14/11	Kevin Dumford	
122	07/14/11	Transformer foundation CTG PDC2.	Rebar/clearance. O.K.	07/14/11	Kevin Dumford	
123	07/15/11	STG utility bridge foundation F2,F5.	Rebar/clearance. O.K.	07/15/11	Kevin Dumford	
124	07/15/11	Transmission foundation F4.	Rebar/clearance. O.K.	07/15/11	Kevin Dumford	
125	07/18/11	Chemical feed unloading rebar wallsonly.	Rebar.O.K.	07/18/11	Kevin Dumford	
126	07/20/11	CTG PDC 2 transformar foundation.	Rebar/clearance. O.K.	07/20/11	Kevin Dumford	
127	07/20/11	Service water tank foundation.	Rebar/clearance. O.K.	07/20/11	Kevin Dumford	
128	07/20/11	STG untility bridge F6 pedestal.	Rebar/clearance. O.K.	07/20/11	Kevin Dumford	
129	07/20/11	Transmission foundation F4.	Rebar/clearance. O.K.	07/20/11	Kevin Dumford	
130	07/20/11	Transmission foundation F3.	Rebar/clearance. O.K.	07/20/11	Kevin Dumford	
131	07/20/11	STG untility bridge foundation F1.	Rebar/clearance. O.K.	07/20/11	Kevin Dumford	

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132	07/20/11	Magnesium Oxide,Hydrated tank foundation.	Rebar/clearance. O.K.	07/20/11	Kevin Dumford	
133	07/20/11	Chemical feed unloading with forms up.	Rebar/clearance. O.K.	07/20/11	Kevin Dumford	
134	07/25/11	Transmission foundation F5.	Rebar/clearance. O.K.	07/25/11	Kevin Dumford	
135	07/27/11	Steam drain tank foundation.	Rebar/clearance. O.K.	07/27/11	Kevin Dumford	
136	07/27/11	STG utility bridge F3 foundation.	Rebar/clearance. O.K.	07/27/11	Kevin Dumford	
137	07/28/11	STG utility bridge F10 F 11 foundation.	Rebar/clearance. O.K.	07/28/11	Kevin Dumford	
138	07/28/11	Vacuum pump foundation.	Rebar/clearance. O.K.	07/28/11	Kevin Dumford	
139	07/28/11	STG utilty bridge F2 foundation.	Rebar/clearance. O.K.	07/28/11	Kevin Dumford	
140	08/01/11	Ammonia line test 2"	Rebar/clearance. O.K.	08/01/11	Kevin Dumford	
141	08/02/11	STG utility bridge foundation F 16	Rebar/clearance. O.K.	08/02/11	Kevin Dumford	
142	08/02/11	STG utility bridge foundation F 12	Rebar/clearance. O.K.	08/02/11	Kevin Dumford	
143	08/02/11	STG utility bridge foundation F 14 F 15	Rebar/clearance. O.K.	08/02/11	Kevin Dumford	
144	08/02/11	STG utility bridge foundation F 13	Rebar/clearance. O.K.	08/02/11	Kevin Dumford	
145	08/02/11	STG utility bridge foundation pedestals F 10 F 11	Rebar/clearance. O.K.	08/02/11	Kevin Dumford	
146	08/02/11	STG utility bridge foundation F 9	Rebar/clearance. O.K.	08/02/11	Kevin Dumford	
147	08/04/11	STG step up transformer	need rebar	08/04/11	Kevin Dumford	
148	08/09/11	STG step up transformer	Rebar/clearance and water stop. O.K.	08/09/11	Kevin Dumford	
149	08/11/11	Pad in switch yard.	Rebar/clearance. O.K.	08/11/11	Kevin Dumford	
150	08/11/11	STG utility bridge foundation F 12 F 14 F 15 F 16.	Rebar/clearance. O.K.	08/11/11	Kevin Dumford	
151	08/11/11	STG utility bridge foundation F 9 pedestal.	Rebar/clearance. O.K.	08/11/11	Kevin Dumford	
152	08/11/11	STG utility bridge foundation F 11 pedestal.	Rebar/clearance. O.K.	08/11/11	Kevin Dumford	
153	08/17/11	Aux Boiler Foundation	Rebar, conduits & Grounds O.K.	08/17/11	Lowell Brown	
154	08/17/11	STG Pedestal Foundation Rebar	Rebar, bolts & grounds O.K.	08/17/11	Lowell Brown	
155	08/17/11	STG Pipe Rack F/7 & F/8 Foundation Pedestals	Rebar & bolts O.K.	08/17/11	Lowell Brown	
156	08/17/11	STG (south) Utility Bridge Foundation Pedestals F/1	Rebar & bolts O.K.	08/17/11	Lowell Brown	
157	08/18/11	STG PDC Pipe Support Foundations	Revised from (3) supports to one slab	08/18/11	Lowell Brown	
158	08/19/11	Auxiliary Boiler Pedestal Rebar & Bolts	Rebar & bolts O.K.	08/19/11	Lowell Brown	

No.	Date	Description of area of work:	Open Item(s)	Signed off	CBO Approval	Open Item
159	08/22/11	Pipe Support Foundation Adj. to STG PDC	Rebar O.K., per RFI 1487	08/22/11	Lowell Brown	
160	08/23/11	STG GSU Fire Wall rebar & waterstop	Rebar & waterstop O.K.	08/23/11	Lowell Brown	
161	08/23/11	Fire Pump House Foundation	Rebar and Sleeve O.K.	08/23/11	Lowell Brown	
162	08/23/11	STG Perimeter Foundation, Interior Equipment Pad	Rebar O.K.	08/23/11	Lowell Brown	
163	08/25/11	WTB Bus Support Foundations south side (2)	Rebar O.K.	08/25/11	Lowell Brown	
164	08/25/11	Aux Boiler Chemical Feed Foundation Rebar	Rebar, grounds O.K.	08/25/11	Lowell Brown	
165	08/26/11	Air Receiver Dryer & Aftercooler Foundation	Rebar & grounds O.K.	08/26/11	Lowell Brown	
166	08/30/11	SUS Transformers WTB (south) (2)	Rebar, bolts & grounds O.K.	08/30/11	Lowell Brown	
167	08/31/11	Clarified Water Pump Foundation	Rebar & Bolts O.K.	08/31/11	Lowell Brown	
168	09/06/11	Holiday Test Ammonia (west of HRSG)	Jeep to 13kV O.K.	09/06/11	Lowell Brown	
169	09/12/11	Cooling Water Pumps Foundation	Rebar & grounds O.K.	09/12/11	Lowell Brown	
170	09/12/11	Air Receiver Dryer & Aftercooler Pedestals	Rebar O.K.	09/12/11	Lowell Brown	
171	09/13/11	Condenstate Polisher Foundations	Rebar O.K.	09/13/11	Lowell Brown	
172	09/14/11	Condensate Extraction Pumps	Rebar O.K.	09/14/11	Lowell Brown	
173	09/14/11	Condensate Polisher Top mat	Rebar O.K.	09/14/11	Lowell Brown	
174	09/14/11	CP Resin Refill Hopper and Storage Tank Fnds.	Rebar (2 Pads) O.K.	09/14/11	Lowell Brown	
175	09/16/11	Transmission Tower Foundation & Grounds	Rebar & grounds O.K.	09/16/11	Lowell Brown	

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176	09/19/11	WTB Truck Unloading Pad	Rebar O.K.	09/19/11	Lowell Brown	
177	09/19/11	WTB Raw Water Treatment Foundation	Rebar & grounds O.K.	09/19/11	Lowell Brown	
178	09/21/11	Condensate Extraction Pumps Foundation	Rebar cut to fit, need Engineer's approva	10/10/11	Lowell Brown	
179	09/21/11	Condensate Feed Water Pumps Pedestals	Rebar O.K.	09/21/11	Lowell Brown	
180	09/21/11	Condensate Polish Resin Hopper & Storage	Rebar O.K.	09/21/11	Lowell Brown	
181	09/23/11	STG Pedestal Extension	Rebar O.K.	09/23/11	Lowell Brown	
182	09/27/11	WTB South Chem. Feed Area Fnd.	Reba & grounds O.K.	09/21/11	Lowell Brown	
183	10/07/11	STG/GSU Fire Walls rebar	Rebar O.K.	10/07/11	Lowell Brown	
184	10/10/11	Extraction Pump Foundations, rebar	Rebar O.K.	10/10/11	Lowell Brown	
185	10/14/11	Waste Water Tank (NCPA)	See 14 item C/N			WP Review reqd
186	10/21/11	Service Water Tank (NCPA)	See 9 item C/N			WP Review reqd
187	10/25/11	Chemical Feed Tank Pads, rebar	Rebar & grounds O.K.	10/25/11	Lowell Brown	
188	10/27/11	Sample Panel Foundation rebar	Rebar & grounds O.K.	10/27/11	Lowell Brown	
189	10/31/11	WTB Mezzanine Deck rebar	Rebar O.K.	10/31/11	Lowell Brown	
190	11/03/11	Inlet Gas Scrubber and North Gas Compressor Fnd.	Rebar bolts & Grnds O.K.	11/03/11	Lowell Brown	
191	11/10/11	South Gas Compressor	Rebar, botls & Gnds O.K.	11/10/11	Lowell Brown	
192	11/15/11	Aux. Boiler Control Panel Fnd. & Cems Cabinet Fnd	Rebar O.K.	11/15/11	Lowell Brown	
193	11/15/11	WTB Mezz. Equipment Pads Rebar	Rebar O.K.,	11/15/11	Lowell Brown	
194	11/15/11	BA System Electrical Punchlist	Progress, see 15 item correction list			
195	11/16/11	Switchyard In-progress Inspection of installations	230 kV. Switchyard punchlist progress	12/13/12	Lowell Brown	
196	11/16/11	Rebar Insp for Circuit Breaker Fnd.	Rebar O.K., (2) fnds.	11/16/11	Lowell Brown	
197	11/23/11	WTB Waste Solids Storage Tank	Reba & Gnds O.K.	11/23/11	Lowell Brown	
198	11/28/11	WTB South Chem. Feed Area walls	Rebar O.K.	11/28/11	Lowell Brown	
199	11/29/11	STG GSU Circuit Breaker (4) pedestals	Rebar & Bolts O.K.	11/29/11	Lowell Brown	
200	11/29/11	Iso-Phase Foundations rebar	Rebar & Bolts O.K.	11/29/11	Lowell Brown	
201	12/02/11	Fuel Gas pipe support foundations	Rebar, bolts and grounds O.K.	12/02/11	Lowell Brown	
202	12/02/11	4160v Systems electrical Walkdown	See 8 item correction list			

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203	12/07/11	Filter Press Feed Pumps Foundations	Rebar & bolts O.K.	12/07/11	Lowell Brown	
204	12/08/11	Cooling Tower Walls, Pump Basin Stair Landings	Rebar O.K.,	12/08/11	Lowell Brown	
205	12/08/11	Air Receiver extension & Pipe Support Foundations	Rebar O.K.,	12/08/11	Lowell Brown	
206	12/13/11	PG & E Switchyard Release	O.K., to energize	12/13/11	Lowell Brown	
207	12/15/11	Misch Pipe Supports rebar, STG, HRSG & Gas Comp	Rebar O.K.,	12/15/11	Lowell Brown	
208	12/15/11	WTB W. Yard Cable Tray Support Foundations	Rebar O.K.,	12/15/11	Lowell Brown	
209	12/21/11	Solids Forwarding Pump Pad, Lamella Clarifier	Rebar O.K., need grnds relocated & bolts	12/22/11	Lowell Brown	
210	12/22/11	Misc. Pipe Supports & STIG Waste Pump Found.	Rebar O.K.	12/22/11	Lowell Brown	
211	12/28/11	Waste Water Injection Skid & Lam. Foundations	Rebar O.K.,	12/29/11	Lowell Brown	
212	01/04/12	Water Treatment Building Fire Stop installation	O.K.	01/04/12	Lowell Brown	
213	01/10/12	Misc. pipe Supports #4, 50, 51, 52, & 56	Rebar O.K.	01/04/12	Lowell Brown	
214	01/10/12	WTB Loading Dock Rebar, landing for door	Rebar O.K.	01/10/12	Lowell Brown	
215	01/10/12	Ammonia Feed & Oxygen Foundations	Rebar O.K.	01/10/12	Lowell Brown	
216	01/10/12	Cooling Tower Ladder landing, & Cable Tray supp.	Rebar O.K.	01/10/12	Lowell Brown	
217	01/11/12	STG GSU Fire Wall Therma-Fiber	O.K.	01/11/12	Lowell Brown	
218	01/18/12	Raw Water Feed (at Sewer Plant)	Pipe supports to be grouted, valve tags			Provide As-Built
219	01/18/12	Cooling Tower Walk-down Upper Section	See 13 items X 7 Cells List			
220	01/19/12	Cooling Tower Walk-down Lower Section	See 3 item Correction List			
221	01/19/12	Cooling Tower Rough Electrical	Rough O.K., Need approved Plans			Need CBO Plans
222	01/24/12	Cooling Tower Lightning Ground Cadwelds	10 complete, (1) remains	01/24/12	Lowell Brown	
223	01/25/12	Cooling Tower Chem Feed Foundation	Rebar, conduit & Grounds O.K.	01/25/12	Lowell Brown	
224	01/25/12	WTB Door Stoops and Pipe Support fnds.	Rebar O.K., 14 locations Misc. supports	01/25/12	Lowell Brown	
225	02/01/12	Cooling Tower Final Electrical	Corrections Made, OK	02/01/12	Lowell Brown	

No.	Date	Description of area of work:	Open Item(s)	Signed off	CBO Approval	Open Item
226	02/08/12	Water Treatment Building, 4160&480V Electrical	Progress- See Correction List	02/08/12	Lowell Brown	
227	02/08/12	STG/HRSG Pipe Rack-Service Water System	Progress- See Correction List	02/08/12	Lowell Brown	
228	02/08/12	StG/HRSG Pipe Rack-Service Air System	Progress- See Correction List	02/08/12	Lowell Brown	
229	02/13/12	STIG/Ammonia Unloading Foundation	Rebar OK	02/13/12	Lowell Brown	
230	02/13/12	CTG/ Lube Oil and Starting Ladder Pads	Missing Diagonal Trim Bars	02/14/12	Lowell Brown	
231	02/13/12	HRSG/Sample Panel Foundation	Rebar OK	02/13/12	Lowell Brown	
232	02/13/12	STG/Circuit Breaker Power Block, Ladder FND	Rebar OK	02/13/12	Lowell Brown	
233	02/13/12	STG East and Southeast Door Pad FNDs.	Not Ready For Inspection	02/14/12	Vanderheiden	
234	02/13/12	West HRSG Pipe Supports 67-71,85,86 FNDS.	Need Clearance and Support for Rebar	02/14/12	Vanderheiden	
235	02/14/12	Cooling Tower Chemical Feed FNDS.	OK	02/14/12	Vanderheiden	
236	02/14/12	Cooling Tower North Water Pipe Supports (4)	Horizontal Rebar Ties Incorrect	02/15/12	Vanderheiden	
237	02/15/12	CTG/ Lube Oil Sked Enclosure FM 200	40 PSI for 10 Minute- Test OK	02/15/12	Vanderheiden	
238	02/15/12	CT/ Electrical Enclosure FM 200	40 PSI for 10 Minute- Test OK	02/15/12	Vanderheiden	
239	02/15/12	CTG Enclosure Fm 200	40 PSI for 10 Minute- Test OK	02/15/12	Vanderheiden	
240	02/16/12	Water Treatment Building, Sprinkler Hydro	200 PSI for 120 Minutes- Failed		Test Failed	
241	02/27/12	Cooling Tower Emergency Shower Heater Pad	Rebar OK	02/27/12	Vanderheiden	
242	02/27/12	Chem Feed Filter Press Pipe Support	Rebar OK	02/27/12	Vanderheiden	
243	02/27/12	STG Utility Bridge Stair Pad	Rebar OK	02/28/12	Vanderheiden	
244	02/27/12	STG North Door Pad Fnd	Rebar OK	02/28/12	Vanderheiden	
245	02/27/12	Chem Feed Pipe Supports 1,2,3	Horizontal Rebar Ties Incorrect	02/29/12	Vanderheiden	
246	03/05/12	Ammonia Feed Pad	Rebar OK	03/06/12	Vanderheiden	
247	03/05/12	Oxgen Dosing Pad	Rebar OK	03/06/12	Vanderheiden	
248	03/05/12	Compressor Control Pad	Rebar OK	03/06/12	Vanderheiden	
249	03/07/12	Pipe Support #3 Fnd	Rebar OK	03/08/12	Vanderheiden	
250	03/07/12	Fire Pump House Door Pad	Rebar OK	03/08/12	Vanderheiden	
251	03/07/12	Filter Press Pipe Support	Rebar OK	03/08/12	Vanderheiden	
252	03/07/12	Auxiliary Boiler North Slab	Install Diagonal trim bars at Corners	03/09/12	Vanderheiden	

California Energy Commission LODI Energy Center September 2012 Summary of Inspections

No.	Date	Description of area of work:	Open Item(s)	Signed off	CBO Approval	Open Item
253	03/09/12	PDC Conduit Seals	Missing Several Seals			
254	03/13/12	FM 200 Alarms, Detectors- Lube Oil	Ok- Final Letter Required			Final Letter
255	03/15/12	75 KVA Pad FND	Rebar OK	03/16/12	Vanderheiden	
256	03/19/12	WTB North FND between North door Pads	Rebar OK	03/20/12	Vanderheiden	
257	03/20/12	STG South Door Pad and Column Extension	Rebar OK	03/21/12	Vanderheiden	
258	03/21/12	Ladders at Chemical Treatment area	Insufficient Clearance for landings	03/22/12	Vanderheiden	
259	03/23/12	Alarms and Detectors For CTG FM200	Ok- Final Letter Required			Final Letter
260	03/27/12	Gas Compressor East Pipe support FND	Rebar OK	03/28/12	Vanderheiden	
261	03/28/12	STG Cooling Oil Skid Curb FND	Rebar OK	03/28/12	Vanderheiden	
262	03/29/12	WTB misc Pipe Support FNDs (2)	Rebar OK	03/28/12	Vanderheiden	
263	03/30/12	HRSG Steam Drums	Several Broken Conduits East side			Correction req.
264	04/12/12	Fire House - Foaming Agent Concentration	See Inspection Report			Need Procedure
265	04/17/12	STG, WTB - Hydro	See Inspection Report			Need Procedure
266	06/15/12	HRSG, Pipe racks	Cable trays ready to cover	06/15/12	Doug Simms	
267	06/20/12	Ammonia Tank Piping	Pressure test	06/20/12	Doug Simms	
268	06/25/12	Boiler Blowdown Area	See Inspection Report			
269	06/27/12	STG GSU	Torque flex connectors to iso	06/27/12	Doug Simms	
270	06/27/12	Aux Steam Piping	Pic and WP correction list			
271	06/28/12	Chem Feed, Circ Water Chem (qcl) (pbq)	Complete ARB worklist			
272	06/28/12	CT Isophase flex connectors	Torqued	06/28/12	Doug Simms	
273	06/28/12	Compressor slab at water wash slab	Rebar OK	06/28/12	Doug Simms	
274	07/02/12	East Side Ground Grid	Along East fence line	07/02/12	Doug Simms	
275	07/03/12	Condensate Pump B	Torque Terminations	07/03/12	Doug Simms	

No.	Date	Description of area of work:	Open Item(s)	Signed off	CBO Approval	Open Item
276	07/12/12	Steam Turbine Generator	Torque Braids for Iso Phase	07/12/12	Doug Simms	
277	07/13/12	Heat Trace Panel Slab	Rebar	07/13/12	Doug Simms	
278	07/23/12	Site Lighting and Pull Boxes		07/23/12	Doug Simms	
279	07/23/12	1 ladder pad 4 small pipe supports	Forms and rebar	07/23/12	Doug Simms	
280	08/02/12	WTB Stairway	Missing bolts and deck repaired	08/02/12	Doug Simms	
281	08/02/12	WTB and STG cable trays a wiring		08/02/12	Doug Simms	
282	08/14/12	Fuel Gas Line to Aux Boiler	In service visual inspection	08/14/12	Doug Simms	
283	08/17/12	Safety showers and Potable water system.	Visual in service test	08/17/12	Mike K	
284	08/20/12	STG PDC VBM Cab, ESS Panel, ST panel	Grounding conductors	08/20/12	Mike K	
285	08/21/12	EYS Seals, Equip. fuel yard		08/21/12	Doug Simms	
286	08/21/12	U.G. Fire water lines	2 hour pressure test	08/21/12	Doug Simms	
287	08/21/12	ST PDC, CT PDC, and CT Elec.	Closure of conduits	08/31/12	Doug Simms	
288	08/21/12	EYS seals site wide		08/21/12	Doug Simms	
289	08/21/12	CT Enc. Lube Oil, CT Elec.	Recvd. Air Door test results	08/21/12	Doug Simms	
290	08/24/12	Acid Tank	Rebar for additional footing	08/24/12	Doug Simms	
291	08/24/12	Swamp Coolers on ST building		08/24/12	Doug Simms	
292	08/24/12	Certificate of Installation for UG Piping	Recvd. NFPA form	08/24/12	Doug Simms	
293	08/30/12	WTB Exit Lighting and Signage		08/30/12	Doug Simms	
294	08/30/12	WTB Fire Seals at rated wall		08/30/12	Doug Simms	
295	08/30/12	Emergency Lighting PDC 1,2 CT Elec. Room		08/30/12	Doug Simms	
296	08/31/12	Epoxy repairs and pipe support in chem. Area		08/31/12	Doug Simms	
297	08/31/12	HRSG top decking clips	all clips complete at this time	08/31/12	Doug Simms	
298	09/01/12	Pressure Vessels	Verified Certificates	09/01/12	Doug Simms	
299	09/06/12	Electrical Vaults	See inspection report	10/05/12	Ron Thissen	Vault 9 complete
300	09/07/12	Electrical Panels	Labels and Schedules	09/07/12	Doug Simms	
301	09/07/12	Lightning Portection WTB	Received As-builts and Cd.	09/07/12	Doug Simms	
302	09/20/12	Foundation Rebar	Misc Steps	09/20/12	Doug Simms	

California Energy Commission LODI Energy Center September 2012 Summary of Inspections

No.	Date	Description of area of work:	Open Item(s)	Signed off	CBO Approval	Open Item
303	09/20/12	Confined space signage		09/20/12	Doug Simms	
304	09/20/12	Retainers For Chemical Totes		09/20/12	Doug Simms	
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Updated: 09.30.2012

Exhibit 8

Non-Compliance Report Log

7/12/12

ARB, Inc.

NON-CONFORMANCE LOG

(FORM # 13-2)

NCR NO.	Date Rec'd.	Description of NCR	Date Closed	Remarks
1	12-1-10	Inadequate clearance DB0721	2-17-11	Closed
2	12-1-10	Inadequate clearance DB0411	2-17-11	Closed
3	12-9-10	Shut off valve for hydrant closer than detailed.	7-29-11	Closed
4	1-25-11	Spacer Issues Duct bank 0421	2-17-11	Closed
5 B1	2-7-11	Damage to bundle drain couplet	11-18-11	Closed
6	2-18-11	Low concrete breaks cooling tower foundation west block of foundation	3-18-11	Closed 56 Day breaks, 4280psi, 4260psi
7	2-25-11	Wood Group flame cut holes in compressor frame without prior approval	3-4-11	Closed RFI 1211
8	3-3-11	Low concrete breaks Gas compressor pad	3-10-11	Closed per engineering evaluation. 56 day break 3900psi
9	4-5-11	Low concrete breaks DB0221 bottom lift.	4-27-11	Closed 56 Day breaks, 2330 psi
10	5-5-11	Low concrete break mid section cooling tower. Pour #102	6-1-11	Closed 56 day break 4290psi
11	4-19-11	Turbine Support bolt off location	4-27-11	Closed RFI 1276
12	4-26-11	Embed plates cast off center HRSG sump	7-27-11	Closed RFI 1291
13	5-12-11	CT enclosure anchor bolts off location	6-11-11	Closed RFI 1314
14	5-24-11	Electrical vaults leaking water		Pending final walk down JULY 2012
15	6-2-11	Low concrete break CTG PDC pedestals	6-30-11	Closed. 56 day break 4480PSI
16	6-15-11	Grout @ CTG package failed to bond	6-21-11	Closed
17	6-15-11	Grout on STIG pipe supports coming out	5-15-12	Closed
18	7-21-11	Low concrete break water treatment building. 3940 psi	8-18-11	56 day results 8-18-11 4250PSI CLOSED
19	8-11-11	Damaged valve11LBB40AA503	10-18-11	CLOSED
20	8-12-11	Low concrete b. 3940 break F4 Transmission foundation	9-9-11	Closed 56 day results 4080psi
21	8-18-11	Low concrete b. 3730 psi break F3Transmission foundation	9-15-11	Closed 56 day results 4040psi

ARB, Inc.

NON-CONFORMANCE LOG

(FORM # 13-2)

22	8-16-11	Low concrete b. 3720 psi break F2 Transmission foundation	9-13-11	Closed 56 day break results 4220psi
23	9-21-11	Wall thickness of 10" P91 deficient 10 LBA 20 Sht. 1	9-21-11	Closed SI 2011-35rev.1 Closed
24	10-11-11	LBA 20-001-03 C 90 degree elbow ID out of tolerance	10-12-11	Closed
25	10-12-11	Clarified Water tank leaching water around base ring	11-15-11	Site instruction 2011-0052 Closed
26	10-18-11	Low concrete b. 3920 break after 56 days. Equipment pad east side of the STG enclosure foundation	11-21-11	Closed 90 day results 4220 psi
27	10-18-11	Low concrete break. 3810 F6 Transmission foundation	11-11-11	Closed 56 day results 4460 psi
28	11-8-11	Reactors in water treatment not holding water	11-15-11	Site instruction 2011-0052 Closed
29	12-21-11	Expansion joints in cooling tower calking pulling apart	2-14-12	Closed
30	12-27-11	Wall thickness of 18" P91 deficient 10 LBB 52 Sht. 1 IPS Spool	12-27-11	Closed
31	12-29-11	Incorrect bevel prep on 18" P91 spool from IPS	12-28-11	Valve prepped to match use as is. Closed
32	3-1-12	Aux. cooling pump & Circ water pumps not installed per manufactures installation insstructions.	3-27-12	Closed
33	3-21-12	11LBA10AA002 Electronics exposed to the weather	4-12-12	Closed
34	4-28-12	8" 11LCA30AA101 HAS LEAK IN BODY	5-2-12 6-11-12	Closed
35	4-28-12	Electrical MH #9 cracked lid & MH#6 damaged lid		Will be addressed when final grade is made JULY 2012
36	5-7-12	Epoxy coating popping of top of chemical containment wall		COMPLETE WEEK ENDING 8-1-12
37	5-7-12	BF Pump motor leaking oil	5-17-12	Closed
38	5-23-12	Water seeping through foundation@ NW Clarifier tank through anchor holes		NEEDS REWORK
39	5-24-12	Demin water line at STG has cracks on some shoes that were welded to the pipe and are leaking	6-7-12	Closed

ARB, Inc.

NON-CONFORMANCE LOG

(FORM # 13-2)

40	6-5-12	Drain on Aux. Boiler mud drum has a bent nipple and the drain is grading upward.	6-21-11	CLOSED