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Don Pedro Dam and
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April 29, 2010

Ms. Angelique Juarez-Garcia
Compliance Project Manager
California Energy Commission
1516 9th Street (MS-2000)
Sacramento, CA 95814-5512

**SUBJECT: WALNUT ENERGY CENTER AUTHORITY (WECA)
WALNUT ENERGY CENTER (WEC) (02-AFC-4C)
CONDITION COM-7: WEC ANNUAL COMPLIANCE REPORT
REPORTING PERIOD: APRIL 1, 2009 THROUGH MARCH 31, 2010**

Dear Ms. Juarez-Garcia:

The Walnut Energy Center Authority is hereby submitting the attached Annual Compliance Report in accordance with Condition of Certification COM-7 of the Walnut Energy Center Commission Decision. The report includes a summary of current operating status, an updated compliance matrix, and other information as required. In addition, the following items are provided as attachments or explained within the text of the Annual Compliance Report:

- Biologist summary pursuant to BIO-2
- Hazardous Materials List pursuant to HAZ-1
- Summary of monitoring and maintenance activities associated with drainage, erosion, and sedimentation control pursuant to SOIL & WATER-2
- Summary of the water usage at the facility during the reporting year pursuant to SOIL & WATER-7
- Disposal manifests or Bills of Lading for wash water pursuant to SOIL & WATER-9
- Status report on zero liquid discharge system pursuant to SOIL & WATER-10
- Summary of transmission line related complaints pursuant to TLSN-3
- Status report on painting maintenance pursuant to VIS-2
- Status report on permanent lighting complaints pursuant to VIS-4
- Landscape photographs pursuant to VIS-5
- Cooling tower operation certification pursuant to VIS-6
- Waste management methods comparison pursuant to WASTE-5
- Contingency Plan status update pursuant to COM-13

Ms. Juarez-Garcia

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April 29, 2010

Should you have any questions regarding this report, please contact me at (209) 883-3451.

Sincerely,

A handwritten signature in blue ink, appearing to read "G. A. Davies IV".

George A. Davies IV
Combustion Turbine Department Manager

cc: Dan Welch, Sierra Research
Susan Strachan, Strachan Consulting
File

Annual Compliance Report

for the

Walnut Energy Center

Submitted by:

WALNUT ENERGY CENTER AUTHORITY

Prepared by:



April 29, 2010

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SECTION 1.0 INTRODUCTION

Pursuant to California Energy Commission (CEC) Condition of Certification COM-7 for the Walnut Energy Center (WEC), the Walnut Energy Center Authority (WECA) is required to submit an Annual Compliance Report (ACR) to the CEC. The purpose of the ACR is to document the WECA's compliance efforts related to WEC operations.

This ACR includes the information required to be included in an ACR, as specified in Condition of Certification COM-7. In addition, it addresses the Conditions of Certification which require annual reporting requirements. These conditions are: BIO-2, HAZ-1, NOISE-1, SOILS & WATER-2, SOILS & WATER-7, SOILS & WATER-9, SOILS & WATER-10, TLSN-3, VIS-2, VIS-4, VIS-5, VIS-6, and WASTE-5.

SECTION 2.0 ACR REPORTING REQUIREMENTS: CONDITION COM-7

Condition of Certification COM-7 outlines the requirements for the Annual Compliance Report. These requirements are listed below:

1. An updated compliance matrix that shows the status of all open Conditions of Certification.
2. A summary of the current project operating status and an explanation of any significant changes to facility operations during the year.
3. The documents required by specific conditions to be submitted along with the Annual Compliance Report. These conditions are: BIO-2, HAZ-1, NOISE-1, SOIL & WATER-2, SOIL & WATER-7, SOIL & WATER-9, SOIL & WATER-10, TLSN-3, VIS-2, VIS-4, VIS-5, VIS-6, and WASTE-5.
4. A cumulative listing of all post-certification changes approved by the Energy Commission or cleared by the CPM. All changes that were made and approved during construction are included. These changes, along with any made and approved during operation, are reported each year in the cumulative listing.
5. An explanation for any submittal deadlines that were missed accompanied by an estimate of when the information will be provided.
6. A listing of filings made to, or permits issued by, other governmental agencies during the year.
7. A projection of project compliance activities scheduled during the next year.
8. A listing of the year's additions to the on-site compliance file.
9. An evaluation of the On-Site Contingency Plan including any suggestions necessary for bringing the plan up to date.
10. A listing of complaints, notices of violation, official warnings, and citations received during the year, a description of the resolution of any resolved complaints, and the status of any unresolved complaints.

Information for each of these requirements and accompanying documentation is contained in Section 3.0 of the ACR and in the Appendices.

SECTION 3.0 ANNUAL COMPLIANCE REPORT REQUIREMENTS

This section consists of the information required to be included in the WEC ACR.

3.1 Compliance Matrix

COM-7 item 1 requires that an updated compliance matrix be included in the ACR. The updated matrix can be found in Appendix A. This matrix addresses compliance activities from April 1, 2009 through March 31, 2010.

3.2 Summary of Operating Status

This section of the ACR is a summary of the WEC operations along with an explanation of any significant changes to facility operations during the reporting period. Included in Appendix B is a summary of the operating status of the WEC during the April 1, 2009 - March 31, 2010 reporting period. The summary includes the total number of hours each of the two combustion turbines and the steam turbine operated each month of the reporting period. It also includes the total kilowatt hours produced each month by each unit. There were no significant changes to facility operations during this reporting period.

3.3 Documents Required by Specific Conditions

There are specific permit conditions required to be addressed in the ACR. These conditions are: BIO-2, HAZ-1, NOISE-1, SOILS & WATER-2, SOILS & WATER-7, SOILS & WATER-9, SOILS & WATER-10, TLSN-3, VIS-2, VIS-4, VIS-5, VIS-6, and WASTE-5. The following sections discuss each of these conditions.

3.3.1 BIO-2

Condition of Certification BIO-2 requires that the Designated Biologist submit record summaries in the ACR documenting activities which occurred during the reporting period. The Turlock Irrigation District on the behalf of the WEC submitted a request to the CEC for relief from this requirement and gained CEC approval, as there have no activities since the plant has began commercial operation (March 2006) that required biological resource monitoring or reporting and there is no work in the foreseeable future which will require the duties of the Designated Biologist.

3.3.2 HAZ-1

Pursuant to Condition of Certification HAZ-1, a list of hazardous materials contained at the facility in reportable quantities is included in the ACR. The WEC hazardous materials list is included in Appendix D.

3.3.3 NOISE-1

Condition NOISE-1 requires a telephone number be established for use by the public to report any undesirable noise conditions associated with construction and operation of the WEC. The number must be posted so it is visible to passersby. The telephone number must be maintained until the project has been operational for at least one year. The WEC did not receive any noise complaints or questions during WEC construction or its first year of operation. In March 2007, the CEC was contacted regarding disconnecting the phone number and removing the sign. The CEC concurred that they could be disconnected and removed.

3.3.4 SOILS & WATER-2

Condition of Certification Soils and Water-2 requires the WECA to provide information on the results of monitoring and maintenance activities associated with drainage, erosion, and sedimentation control in the ACR.

During the April 1, 2009 - March 31, 2010 reporting period, the Storm Water System was routinely controlled for weeds and other debris.

3.3.5 SOILS & WATER-7

Condition of Certification Soils & Water-7 requires that an annual summary of the daily water use by the facility, along with a report on the servicing, testing, and calibration of the metering devices be submitted in the ACR.

Three tables have been prepared to address these reporting requirements and are included in Appendix E. One table is for groundwater, a second is for potable water, and the third is for recycled water. No service was required on the water meters during this reporting period.

3.3.6 SOILS & WATER-9

Condition of Certification Soils & Water-9 requires that an accounting summary of the wash water from the periodic cleaning of the compressors and the heat recovery steam generators be submitted in the ACR.

Wash water was removed from the WEC site six (6) times during the reporting period. The dates and gallons removed are listed below:

May 11, 2009	3000 gallons
May 12, 2009	3000 gallons
Nov 24, 2009	5000 gallons
Nov 20, 2009	1750 gallons
Feb 26, 2009	600 gallons
Mar 01, 2010	4000 gallons

The wash water was transported offsite by Clearwater Environmental Management, Inc. on all occasions. The wash water was not considered hazardous; therefore, no laboratory analysis or pre-treatment of the wash water was required. Copies of the bills of lading are included in Appendix F.

3.3.7 SOILS & WATER-10

Condition of Certification Soil & Water-10 requires that a status report on the zero liquid discharge (ZLD) system be submitted in the ACR. The status report shall include information on disruptions, maintenance, volumes of interim wastewater streams stored on-site, volumes of residual cake solids generated, and the landfills used for disposal.

A monthly summary of the operation of the ZLD system is included in Appendix G. The volume of wastewater stored on-site and subsequently transported off-site for disposal during this reporting period is listed in Appendix G. The volume of salt cake generated is also contained in Appendix G. The salt cake was disposed of at the Forward Inc. landfill in Stockton.

3.3.8 TLSN-3

Condition of Certification TLSN-3 addresses complaints stemming from radio or television signal interference caused by the WEC transmission lines. There were no complaints received during this reporting period.

3.3.9 VIS-2

Condition of Certification VIS-2 requires submittal of a status report regarding painting maintenance.

Listed below are the surface treatment maintenance activities during the reporting period:

MONTH	ACTIVITY	MONTH	ACTIVITY
APRIL	NONE	MAY	PAINTED THE CONDENSER WATER BOX. PAINTED MISCELLANEOUS PIPING PARTS AT THE ZERO LIQUID DISCHARGE (ZLD) PLANT. PAINTED UNIT 1 GENERATOR BREAKER BUILDING. RECOATED ANTI-FOAM CONTAINMENT AREA.
JUNE	NONE	JULY	NONE
AUGUST	NONE	SEPTEMBER	NONE
OCTOBER	NONE	NOVEMBER	PAINTED THE UNIT 2 COMBUSTION TURBINE METAL ROOF SYSTEM. PAINTED INTERIOR WALLS AND FLOOR OF CONCRETE SUMP SYSTEM.
DECEMBER	NONE	JANUARY	NONE
FEBRUARY	NONE	MARCH	NONE

3.3.10 VIS-4

Condition of Certification VIS-4 addresses complaints received from the public about the permanent lighting of the facility. No lighting complaints were received during this reporting period.

3.3.11 VIS-5

Condition of Certification VIS-5 addresses ACR reporting on landscaping maintenance at the facility. Per a March 27, 2006 e-mail from Lance Shaw, CEC Compliance Manager, a current photograph of the landscaping demonstrating that it is being maintained is sufficient to comply with this condition. Included in Appendix H are photos of the WEC landscaping.

3.3.12 VIS-6

Condition of Certification VIS-6 requires that a written certification for operation of the cooling towers be provided in the ACR. The certification is to demonstrate that the cooling towers have consistently been operated within design parameters specified in Condition VIS-6, except as necessary to prevent damage to the cooling tower. Included in Appendix I is the written certification required by the condition.

3.3.13 WASTE-5

WASTE-5 requires that WECA document how the actual waste management methods used during the year compared to the planned management methods described in the WEC Waste Management Plan for plant operations. All waste management methods used during this reporting period were consistent with the methods specified in the Waste Management Plan. The only exception was the disposal of the plant wastewater due to disruptions in the operation of the ZLD system described in Section 3.3.6. Since the WECA did not anticipate disruptions to the ZLD system, disposal of the wastewater was not addressed in the Waste Management Plan.

3.4 Cumulative List of Post-Certification Changes

The ACR is required to include a cumulative list of post-certification changes approved by the California Energy Commission or the CEC Compliance Project Manager. A list of post-certification language changes approved as of March 31, 2010 is included below.

3.4.1 Amendments

Amendment 1 transferred the ownership of the WEC from the Turlock Irrigation District to the Walnut Energy Center Authority. The amendment was submitted on August 4, 2004 and approved on September 15, 2004.

Amendment 2 modified the project's bridge water supply from potable water to low quality groundwater and allowed potable water to be used for additional construction activities. This amendment was submitted on September 3, 2004. The amendment modified the language to Condition of Certification Soil and Water-5. The amendment was approved by the CEC on January 19, 2005.

Amendment 3 modifying the distance of flammable materials to the project's sulfuric acid tanks was submitted on April 21, 2005. This amendment modified the language to Condition of

Certification HAZ-5. The amendment was approved at the CEC Business Meeting on June 22, 2005.

Amendment 4 modifying the location and number of groundwater wells that may be drilled was submitted on May 24, 2005. This amendment modified Condition of Certification Soil & Water-5. This amendment was approved at the CEC Business Meeting on July 27, 2005.

Amendment 5 correcting a transcription error to Condition AQ-71 was submitted on January 10, 2006. The amendment was approved at the CEC Business Meeting on March 1, 2006.

3.4.2 Verification Language Changes or Clarifications

AQ-14 and AQ-83

The WECA met with CEC staff on June 8, 2006 to discuss modifications to the verification language for Conditions AQ-14 and AQ-83. The language changes discussed were conceptually agreed upon at the meeting. Draft verification change language was sent to the CEC via email from Susan Strachan (WEC Compliance Manager) on June 23, 2006. However, the WECA has no record of receiving written approval for the proposed language changes.

AQ-60

Also at the meeting on June 8, 2006, the WECA suggested modifications to the verification language for Condition AQ-60. The WECA then suggested in an email dated June 23, 2006 that in each Quarterly Compliance Report (AQ-C7) the WECA would address the following two questions:

- Were annual SO₂ allowances required by EPA's Acid Rain program during this quarter?
- Did the affected units hold sufficient allowances to meet their Acid Rain obligations?

The WECA believed that with adding this information to the Quarterly Compliance Report, modifications to the verification language would not be required. However, this issue was never resolved.

NOISE-6 & 7

Conditions of Certification NOISE-6 & 7 require that post-construction noise monitoring be conducted to ensure that the noise levels associated with operation of the power plant do not exceed the values specified in Condition NOISE-6. The noise monitoring is also conducted to determine the magnitude of employee noise exposure (NOISE-7). The CEC originally agreed that the noise monitoring survey would not have to be conducted until after some steam isolation valves had been installed in April 2006.

Due to the amount of rainfall received during the 2005-2006 rainy season, the Turlock Irrigation District had not dispatched the WEC plant and was instead utilizing its hydroelectric resources. Based on a phone conversation between Steve Baker (Noise and Engineering staff person, CEC) and Susan Strachan (WEC Compliance Manager) in April 2006, the CEC agreed that the noise monitoring survey could be completed within 30 days of when the WEC resumed operations and achieved a sustained output of 80 percent or greater rated capacity. Within 30 days after completing the monitoring survey, the reports required by Conditions NOISE-6 & -7 were required to have been submitted.

The noise monitoring results were submitted on July 20, 2006.

SOILS & WATER-7

Condition of Certification Soils & Water-7 requires that metering devices be installed to monitor and record the volume of water used by the WEC. In a meeting with the CEC water staff and Susan Strachan on December 2, 2005, the staff provided clarification that the WECA need only provide water use information on the total volume used by the plant per water source. The staff also provided clarification on the water use information to be included in the ACR.

SOILS & WATER-9

Condition of Certification Soils & Water-9 pertains to turbine wash water. The verification language of the condition states that the ACR must include an accounting summary of the quantity and quality of the wash and chemical cleaning water contained on site. However, based on email correspondence from Lance Shaw, CEC Compliance Project Manager, dated January 5, 2006, if no testing of the wash water is required by the recycling/disposal company, the ACR should reflect this. The CEC does want copies of the disposal manifest(s) or bill(s) of lading to be submitted in the ACR, along with a statement such as “xx gallons of waste water were picked up and recycled by xx company, enclosed are the waste manifests.”

TLSN-3

Condition of Certification TLSN-3 requires that the WECA provide a letter to the CEC specifying its intention to prepare a summary of line-related complaints along with related mitigation for the first five years of operation. The verification language in the condition did not specify when the letter was required to be submitted. The CEC added the following sentence to the verification language: “The project owner shall provide the letter to the CPM 60 days before the line is energized.”

TLSN-4

Condition of Certification TLSN-4 requires that EMF measurements be taken before and after the WEC transmission lines are energized. The verification language was modified to add clarity for when the measurements were required to be submitted to the CEC. The CEC added the following underlined language to the Verification: “The project owner shall submit the field measurement results to the CPM within 60 days of completion of these measurements.”

VIS-2 and VIS-4

Conditions of Certification VIS-2 (Color Treatment Plan and inspection) and VIS-4 (Lighting Plan and inspection) require that the inspections take place within 45 days of the air quality source tests. The source tests were completed on February 18, 2006.

There are two other VIS conditions which also require inspections. They are VIS-1 (surface restoration inspections) and VIS-5 (landscaping inspection). The inspection for VIS-1 was to occur 60 days after the commencement of commercial operations and the inspection for VIS-5 was to occur within 7 days after the completion of the landscape installation.

In conversations between Mark Hamblin (Visual and Traffic staff person, CEC) and Susan Strachan, both agreed that it was preferable to wait until all of the activities specified in the conditions had been completed so that all of the inspection could be conducted in one visit.

The inspections stated above took place on June 29, 2006 after the surface restoration was completed. The WEC passed all of the inspections.

VIS-5

Condition of Certification VIS-5 requires the WECA to provide landscaping at the WEC site consistent with policies and requirements of the City of Turlock General Plan and Zoning

Ordinance. These policies include landscaping the parking lot of the WEC. The WECA did not want to include landscaping in the parking lot due to the concern that plant foliage could compromise the equipment. The CEC found that acceptable since the landscaping was not required for visual screening. The City of Turlock and TID reached an agreement that in lieu of landscaping in the WEC parking lot, TID would landscape the remainder of the 69-acre parcel once that parcel was developed by TID.

The Verification language in Condition VIS-5 also requires that the ACR include a report on landscape maintenance activities including the replacement of dead vegetation. The WECA submitted information to the CEC describing how the Turlock Irrigation District conducts its landscape maintenance activities and that it would be difficult for the District to monitor the number of plants that were replaced. In an email dated March 7, 2006, the CEC accepted the WECA's submittal. As an alternative to including a report on the landscape maintenance activities in the ACR, the CEC would like a picture of the landscaping to be included in the ACR. The CEC may also visit the site to inspect the landscaping and ensure it is being maintained.

3.5 Submittal Deadlines Missed

No submittal deadlines were missed during the reporting year.

3.6 Filings Made To or Permits Issued By Other Government Agencies

Appendix J contains a list of filings made to other governmental agencies during the reporting period.

3.7 Projection of Compliance Activities

Included in Appendix K is a list of the scheduled compliance activities for the next reporting period.

3.8 Additions to the On-Site Compliance File

All compliance submittals made during the reporting year have been added to the on-site compliance files. The Compliance Matrix in Appendix A identifies the submittals added to the compliance files during this reporting period.

3.9 On-Site Contingency Plan

Condition of Certification COM-13 requires that the WEC On-Site Contingency Plan be reviewed annually and updated if necessary. The WEC On-Site Contingency Plan was reviewed on April 28, 2010 by George Davies, Combustion Turbine Department Manager. The plan is accurate and does not require any further changes at this time.

3.10 Listing of Complaints, Notices of Violation, Official Warnings, and Citations

A listing of complaints, notices of violation, official warnings, and citations received during the reporting year, a description of the resolution of any resolved complaints, and the status of any unresolved complaints must be included in the ACR.

There were None Notices of Violation issued by the San Joaquin Valley Air Pollution Control District issued during the reporting period. The emission exceedances which resulted from these violations were documented in the Quarterly Compliance Reports submitted to the CEC pursuant to Condition of Certification AQ-C7. Copies of any NOV's and TID's responses, on behalf of the WECA are included in Appendix L.

APPENDIX A

Compliance Matrix

**Walnut Energy Center
CEC Compliance Matrix--Annual Compliance Report
April 1, 2009 to March 31, 2010**

Commission Decision

ATC N-7172-1-2 N-7172-2-2 N-7172-3-0 N-7172-4-0 Condition	Commission Decision Condition	Phase	Description	Verification/Action/Submittal Required	Status	Date Submitted	Comments
	AQ-C05	All	The project owner shall submit to the CPM for review and approval any modification proposed by either the project owner or issuing agency to any project air permit. The project owner shall submit to the CPM any modification to any permit proposed by the District or EPA, and any revised permit issued by the District or EPA, for the project.	1) Submit any proposed air permit modification to the CPM within five working days of its submittal either by a) the project owner to an agency, or b) receipt of proposed modifications from an agency. 2) Submit all modified air permits to the CPM within 15 days of receipt.	Ongoing	03/09/10	Request for Staff Approved Modification: Walnut Energy Center Authority Walnut Energy Center (02-AFC-4C): Installation of Micro Filter Feed Tank and Shade Structure. Submitted to Ms. Angelique Juarez-Garcia
SJ 1-2-17 SJ 2-2-17	AQ-C07	Ops	The project owner shall submit to the CPM and APCO Quarterly Compliance Reports, no later than 30 days following the end of each calendar quarter, that include operational and emissions information as necessary to demonstrate compliance with Conditions AQ-1 through AQ-108. The Quarterly Operational Report will specifically note or highlight incidences of noncompliance.	The project owner shall submit the Quarterly Operational Reports to the CPM and APCO no later than 30 days following the end of each calendar quarter.	Ongoing	04/30/09 07/30/09 10/30/09 01/30/10	Quarterly Operational Report (AQ-C7).
SJ 1-2-03 SJ 2-2-03	AQ-003	Startup & Ops	The gas turbine engine and generator lube oil vents shall be equipped with mist eliminators. Visible emissions from lube oil vents shall not exhibit opacity of 5% or greater except for up to three minutes in any hour. [District Rules 2201]	The project owner shall make the site available for inspection by representatives of the District, CARB and the Commission to verify the installation and proper operation of the lube oil vent mist eliminators.	Available	12/03/08	Mr. Ron Yasny visited the site.
SJ 1-2-08 SJ 2-2-08	AQ-005	Ops	The gas turbine engine shall be fired exclusively on natural gas with a sulfur content of no greater than 0.36 grain of sulfur compounds (as S) per 100 dry scf of natural gas. [District Rule 2201]	The project owner shall submit to the CPM and APCO the fuel sulfur content data, as required to be compiled in Condition AQ-6, demonstrating compliance with this condition as part of the Quarterly Operational Report (AQ-C7).	Ongoing	04/30/09 07/30/09 10/30/09 01/30/10	Quarterly Operational Report (AQ-C7).
SJ 1-2-44 SJ 2-2-44	AQ-006	Ops	Testing to demonstrate compliance with the fuel sulfur content limit of this permit shall be conducted weekly. Once eight consecutive weekly tests show compliance, the fuel sulfur content testing frequency may be reduced to once every calendar quarter. If quarterly testing shows a violation of the sulfur content limit of this permit then weekly testing shall resume and continue until eight consecutive tests show compliance. Once compliance is shown on eight consecutive weekly tests then testing may return to quarterly. [District Rule 2201]	The fuel sulfur content data shall be submitted to the CPM and the APCO in the Quarterly Operational Reports (AQ-C7).	Ongoing	04/30/09 07/30/09 10/30/09 01/30/10	Quarterly Operational Report (AQ-C7).
SJ 1-2-09 SJ 2-2-09	AQ-008	Ops	The project owner shall monitor and record the fuel flow rate to the turbine, NOx emission rate, the CO emission rate, the ammonia injection rate, the exhaust temperature both prior to and after the SCR unit, the exhaust oxygen content, and the exhaust flow rate. [District Rules 2201, 4001, and 4703]		Available		
SJ 1-2-11 SJ 2-2-11	AQ-009 (part 2 of 2)	Ops	The facility shall install and maintain equipment, facilities and systems compatible with the District's CEM data polling software system and shall make CEM data available to the District's automated polling system on a daily basis. [District Rule 1080]	2) The Quarterly Operational Reports shall note any periods when the CEM polling system was inoperative.	Ongoing	04/30/09 07/30/09 10/30/09 01/30/10	Quarterly Operational Report (AQ-C7).
SJ 1-2-12 SJ 2-2-12	AQ-010	Ops	Upon notice by the District that the facility's CEM system 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 CEM data is sent to the District by a District-approved alternative method. [District Rule 1080]	The project owner shall provide required non-polluted CEM data to the District by a District-approved alternative method.	Ongoing		
SJ 1-2-15 SJ 2-2-15	AQ-013	Ops	In accordance with 40 CFR, Part 60, Appendix F, 5.1 cylinder gas audits (CGA) or relative accuracy audits (RAA) of continuous emission monitors shall be conducted quarterly, except during quarters in which relative accuracy test audit (RATA) is performed. [District Rule 1080]	1) The District shall be notified prior to completion of the audits. 2) The project owner shall submit to the CPM and APCO the CEMS audits demonstrating compliance with this condition as part of the Quarterly Operational Report (AQ-C7).	Ongoing	04/30/09 07/30/09 10/30/09 01/30/10	Quarterly Operational Report (AQ-C7).
SJ 1-2-16 SJ 2-2-16	AQ-014	Ops	The owner/operator shall perform relative accuracy test audit (RATA) as specified by 40 CFR Part 60, Appendix F, 5.11, at least once every four calendar quarters. The project owner 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]	The project owner shall submit to the CPM and to the APCO the CEMS audits demonstrating compliance with this condition as part of the Quarterly Operational Report (AQ-C7).	Ongoing	04/30/09 07/30/09 10/30/09 01/30/10	In a meeting with CEC staff on June 8, 2006, WECA suggested modifications to the verification language. WEC proposed language in email to the CEC on June 23, 2006. WECA proposed the verification language to read: "The results and field data collected during the RATA shall be submitted to the CPM within 60 days of testing. The CEC conceptually approved the language change at the 6/8/06 meeting. However, formal approval of the proposed language has never been received.

SJVAPCD permit #s:
turbine N-7172-1-2 = SJ 1-2
turbine N-7172-2-2 = SJ 2-2
cooling tower N-7172-3-0 = SJ 3-0
fire pump N-7172-4-0 = SJ 4-0

Walnut Energy Center
CEC Compliance Matrix--Annual Compliance Report
April 1, 2009 to March 31, 2010

Commission Decision

ATC N-7172-1-2 N-7172-2-2 N-7172-3-0 N-7172-4-0 Condition	Commission Decision Condition	Phase	Description	Verification/Action/Submittal Required	Status	Date Submitted	Comments
SJ 1-2-17 SJ 2-2-17	AQ-015	Ops	The project owner shall submit a written report to the APCO for each calendar quarter, within 30 days of the end of the quarter, including: time intervals, data and magnitude of excess emissions, nature and cause of excess emissions (if known), corrective actions taken and preventive measures adopted; averaging period used for data reporting shall correspond to the averaging period for each respective 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; and a negative declaration when no excess emissions occurred. [District Rule 1080]	The project owner shall submit to the CPM and APCO the excess emissions and other data demonstrating compliance with this condition as part of the Quarterly Operational Report (AQ-C7).	Ongoing	04/30/09 07/30/09 10/30/09 01/30/10	Quarterly Operational Report (AQ-C7).
SJ 1-2-18 SJ 2-2-18	AQ-016	Ops	Startup is defined as the period beginning with boiler initial firing until the unit meets the ppmvd emission limits for steady state operation. Shutdown is defined as the period beginning with initiation of turbine shutdown sequence and ending with cessation of firing of the gas turbine engine. Startup and shutdown durations shall not exceed 296 hours per calendar year. Startup emissions must be counted toward each applicable emission limit (lb/day and lb/yr). [District Rule 2201]	The project owner shall submit to the CPM and APCO the turbine startup and shutdown event duration data demonstrating compliance with this condition as part of the Quarterly Operational Report (AQ-C7).	Ongoing	04/30/09 07/30/09 10/30/09 01/30/10	Quarterly Operational Report (AQ-C7).
SJ 1-2-19 SJ 2-2-19 SJ 1-2-20 SJ 2-2-20 SJ 1-2-21 SJ 2-2-21	AQ-017	Ops	The cumulative startup and shutdown period duration shall not exceed five hours in any one day, commencing at midnight. Emissions during startup and shutdown periods must be counted toward the applicable daily emission limitations. [District Rule 2201]	The project owner shall submit to the CPM and APCO the turbine startup and shutdown event duration data demonstrating compliance with this condition as part of the Quarterly Operational Report (AQ-C7).	Ongoing	04/30/09 07/30/09 10/30/09 01/30/10	Quarterly Operational Report (AQ-C7).
SJ 1-2-22 SJ 2-2-22	AQ-018	Ops	The NOx emissions during startup and shutdown periods shall not exceed 119.0 lb/hour. [District Rule 2201]	The project owner shall provide emissions data to demonstrate compliance with this condition as part of the Quarterly Operational Report (AQ-C7).	Ongoing	04/30/09 07/30/09 10/30/09 01/30/10	Quarterly Operational Report (AQ-C7).
SJ 1-2-23 SJ 2-2-23	AQ-019	Ops	The NOx emissions concentration during steady state operation shall not exceed 2.0 ppmvd @ 15% O2 over a 1 hour average (clock hour basis). Steady-state period refers to any periods that is not a startup or shutdown period. A clock hour in a one-hour average will commence at the top of the hour. [District Rule 2201]	The project owner shall submit to the CPM and APCO turbine emissions data demonstrating compliance with this condition as part of the Quarterly Operational Report (AQ-C7).	Ongoing	04/30/09 07/30/09 10/30/09 01/30/10	Quarterly Operational Report (AQ-C7).
SJ 1-2-24 SJ 2-2-24	AQ-020	Ops	The combined total NOx emissions from startup, shutdown, and steady state operation shall not exceed 444.2 lb/day. [District Rule 2201]	The project owner shall submit to the CPM and APCO turbine emissions data demonstrating compliance with this condition as part of the Quarterly Operational Report (AQ-C7).	Ongoing	04/30/09 07/30/09 10/30/09 01/30/10	Quarterly Operational Report (AQ-C7).
SJ 1-2-25 SJ 2-2-25	AQ-021	Ops	Compliance with NOx emission limitations during steady state operation shall not be required during short-term excursions limited to a cumulative total of 10 hours per rolling 12-month period. The maximum 1-hour average NOx concentration for periods that include short-term excursions shall not exceed 30 ppmvd @ 15% O2. [District Rule 2201]	The project owner shall submit to the CPM and APCO turbine emissions data demonstrating compliance with this condition as part of the Quarterly Operational Report (AQ-C7).	Ongoing	04/30/09 07/30/09 10/30/09 01/30/10	Short-term excursions are defined as 15 minute periods designated by the owner/operator (and approved by the APCO) that are the direct result of transient load conditions, not to exceed four consecutive 15-minute periods, when the 15-minute average NOx concentration exceeds 2.0 ppmvd @ 15% O2. Quarterly Operational Report(AQ-C7)
SJ 1-2-26 SJ 2-2-26	AQ-022	Ops	Examples of transient load conditions include, but are not limited to the following: (1) Initiation/shutdown of combustion turbine inlet air cooling and (2) Rapid combustion turbine load changes. All emissions during short-term excursions shall accrue towards the hourly, daily, and annual emissions limitations of this permit and shall be included in all calculations of hourly, daily, and annual mass emission rates as required by this permit. [District Rule 2201]	The project owner shall submit to the CPM and APCO turbine emissions data demonstrating compliance with this condition as part of the Quarterly Operational Report (AQ-C7).	Ongoing	04/30/09 07/30/09 10/30/09 01/30/10	Quarterly Operational Report (AQ-C7).
SJ 1-2-27 SJ 2-2-27	AQ-023	Ops	The CO emissions during startup and shutdown periods shall not exceed 129.0 lb/hour. [District Rule 2201]	The project owner shall provide emissions data to demonstrate compliance with this condition as part of the Quarterly Operational Report (AQ-C7).	Ongoing	04/30/09 07/30/09 10/30/09 01/30/10	Quarterly Operational Report (AQ-C7).
SJ 1-2-28 SJ 2-2-28	AQ-024	Ops	The CO emissions concentration during steady state operation shall not exceed 4.0 ppmvd @ 15% O2 over a 3 hour rolling average. Steady-state period refers to any periods that is not a startup or shutdown period. [District Rule 2201]	The project owner shall submit to the CPM and APCO turbine emissions data demonstrating compliance with this condition as part of the Quarterly Operational Report (AQ-C7).	Ongoing	04/30/09 07/30/09 10/30/09 01/30/10	Quarterly Operational Report (AQ-C7).

SJVAPCD permit #s:
turbine N-7172-1-2 = SJ 1-2
turbine N-7172-2-2 = SJ 2-2
cooling tower N-7172-3-0 = SJ 3-0
fire pump N-7172-4-0 = SJ 4-0

**Walnut Energy Center
CEC Compliance Matrix--Annual Compliance Report
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Commission Decision

ATC N-7172-1-2 N-7172-2-2 N-7172-3-0 N-7172-4-0 Condition	Commission Decision Condition	Phase	Description	Verification/Action/Submittal Required	Status	Date Submitted	Comments
SJ 1-2-29 SJ 2-2-29	AQ-025	Ops	The combined total CO emissions from startup, shutdown, and steady state operation shall not exceed 558.8 lb/day. [District Rule 2201]	The project owner shall submit to the CPM and APCO turbine emissions data demonstrating compliance with this condition as part of the Quarterly Operational Report (AQ-C7).	Ongoing	04/30/09 07/30/09 10/30/09 01/30/10	Quarterly Operational Report (AQ-C7).
SJ 1-2-30 SJ 2-2-30	AQ-026	Ops	The VOC emissions during startup and shutdown periods shall not exceed 16.0 lb/hour. [District Rule 2201]	The project owner shall provide emissions data to demonstrate compliance with this condition as part of the Quarterly Operational Report (AQ-C7).	Ongoing	04/30/09 07/30/09 10/30/09 01/30/10	Quarterly Operational Report (AQ-C7).
SJ 1-2-31 SJ 2-2-31	AQ-027	Ops	The VOC emissions concentration during steady state operation shall not exceed 1.4 ppmvd @ 15% O2 over a 3 hour rolling average. Steady-state period refers to any periods that is not a startup or shutdown period. [District Rule 2201]	The project owner shall submit to the CPM and APCO turbine emissions data demonstrating compliance with this condition as part of the Quarterly Operational Report (AQ-C7).	Ongoing	04/30/09 07/30/09 10/30/09 01/30/10	Quarterly Operational Report (AQ-C7).
SJ 1-2-32 SJ 2-2-32	AQ-028	Ops	The combined total VOC emissions from startup, shutdown, and steady state operation shall not exceed 83.0 lb/day. [District Rule 2201]	The project owner shall submit to the CPM and APCO turbine emissions data demonstrating compliance with this condition as part of the Quarterly Operational Report (AQ-C7).	Ongoing	04/30/09 07/30/09 10/30/09 01/30/10	Quarterly Operational Report (AQ-C7).
SJ 1-2-33 SJ 2-2-33	AQ-029	Ops	The PM10 emissions rate shall not exceed 7.0 lb/hr and 168.0 lb/day. [District Rule 2201]	The project owner shall provide emissions data to demonstrate compliance with this condition as part of the Quarterly Operational Report (AQ-C7).	Ongoing	04/30/09 07/30/09 10/30/09 01/30/10	Quarterly Operational Report (AQ-C7).
SJ 1-2-34 SJ 2-2-34	AQ-030	Ops	The SOx emission rate shall not exceed 1.05 lb/hr and 25.2 lb/day. [District Rule 2201]	The project owner shall submit to the CPM and APCO turbine emissions data demonstrating compliance with this condition as part of the Quarterly Operational Report (AQ-C7).	Ongoing	04/30/09 07/30/09 10/30/09 01/30/10	Quarterly Operational Report (AQ-C7).
SJ 1-2-35 SJ 2-2-35	AQ-031	Ops	Ammonia (NH3) emissions concentration shall not exceed 10 ppmvd @ 15% O2 over a 24 hour rolling average. [District Rule 2201]	The project owner shall submit to the CPM and APCO turbine emissions data demonstrating compliance with this condition as part of the Quarterly Operational Report (AQ-C7).	Ongoing	04/30/09 07/30/09 10/30/09 01/30/10	Quarterly Operational Report (AQ-C7).
SJ 1-2-41 SJ 2-2-41	AQ-032 (part 2 of 2)	Ops	Compliance with ammonia emission limit shall be demonstrated utilizing the procedures/calculations outlined in AQ-32. See AQ-32 for full details.	3) Submit to the CPM and APCO ammonia data demonstrating compliance with this condition as part of the Quarterly Operational Report (AQ-C7).	Ongoing	04/30/09 07/30/09 10/30/09 01/30/10	Quarterly Operational Report (AQ-C7).
SJ 1-2-39 SJ 2-2-39 SJ 1-2-40 SJ 2-2-40	AQ-033	Ops	The cumulative annual emissions shall not exceed 99,991 lb/year for CO and 17,404 lb/year for VOC. [District Rule 2201]	The project owner shall provide emissions data to demonstrate compliance with this condition as part of the Quarterly Operational Report (AQ-C7).	Ongoing	04/30/09 07/30/09 10/30/09 01/30/10	Quarterly Operational Report (AQ-C7).
SJ 1-2-36 SJ 2-2-36	AQ-034	Ops	The cumulative quarterly NOx emissions from permit units N-2246-3 and N-2246-4 shall not exceed 35,000 lb/quarter. [District Rule 2201]	The project owner shall provide emissions data to demonstrate compliance with this condition as part of the Quarterly Operational Report (AQ-C7).	Ongoing	04/30/09 07/30/09 10/30/09 01/30/10	Quarterly Operational Report (AQ-C7).
SJ 1-2-37 SJ 2-2-37	AQ-035	Ops	The cumulative annual NOx emissions from permit units N-2246-3 and N-2246-4 shall not exceed 140,000 lb/year. [District Rule 2201]	The project owner shall provide emissions data to demonstrate compliance with this condition as part of the Quarterly Operational Report (AQ-C7).	Ongoing	04/30/09 07/30/09 10/30/09 01/30/10	Quarterly Operational Report (AQ-C7).
SJ 1-2-42 SJ 2-2-42	AQ-036	Ops	Each one hour period shall commence on the hour. Each one hour period in a three hour rolling average will commence on the hour. The three hour average will be compiled from the three most recent one hour periods. 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 starting and ending at twelve-midnight. [District Rule 2201]	The project owner shall provide emissions data to demonstrate compliance with this condition as part of the Quarterly Operational Report (AQ-C7).	Ongoing	04/30/09 07/30/09 10/30/09 01/30/10	Quarterly Operational Report (AQ-C7).
SJ 1-2-43 SJ 2-2-43	AQ-037	Ops	Daily emissions will be compiled for a twenty-four hour period starting and ending at twelve-midnight. Each calendar month in a twelve consecutive month rolling emissions total will commence at the beginning of the first day of the month. The twelve consecutive month rolling emissions total to determine compliance with annual emissions limits will be compiled from the twelve most recent calendar months. [District Rule 2201]	The project owner shall provide emissions data to demonstrate compliance with this condition as part of the Quarterly Operational Report (AQ-C7).	Ongoing	04/30/09 07/30/09 10/30/09 01/30/10	Quarterly Operational Report (AQ-C7).
SJ 1-2-47 SJ 2-2-47	AQ-038	Ops	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 10B1]	1) Notify the CPM and the District 30 days prior to any compliance source test. 2a) Provide a source test plan to the CPM for review and District for approval fifteen (15) days prior to testing. 2b) Provide to CPM evidence of the District's approval prior to conducting source test.	Ongoing	06/12/09 07/16/09 07/30/09	Source Test Notice and Protocol submitted. Source Test Schedule submitted. Source Test Protocol approval

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fire pump N-7172-4-0 = SJ 4-0

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SJ 1-2-48 SJ 2-2-48	AQ-039	Startup & Ops	Source testing shall be witnessed or authorized by District personnel. [District Rule 1081]	The project owner shall notify the CPM and the District 30 days prior to any compliance source test.	Ongoing	06/12/09 07/16/09 07/30/09	Source Test Notice and Protocol submitted. Source Test Schedule submitted. Source Test Protocol approval
SJ 1-2-49 SJ 2-2-49	AQ-040	Startup & Ops	The results of each source test shall be received by the District no later than 60 days after the source test date. [District Rule 1081]	Results and field data collected during source tests shall be submitted to the CPM and the District within 60 days of testing.	Ongoing	08/28/09 10/20/09	Source Test Source Test Report Submitted
SJ 1-2-45 SJ 2-2-45	AQ-041	Startup & Ops	Source testing to measure startup NOx, CO, and VOC mass emission rates shall be conducted for one of the gas turbines (N-2246-3 or N-2246-4) prior to the end of the commissioning period and at least once every seven years, thereafter. CEM relative accuracy shall be determined during startup source testing in accordance with 40 CFR Part 60, Appendix B. [District Rules 2201 and 4001]	1) Source testing to measure startup NOx, CO, and VOC mass emission rates shall be conducted for one of the gas turbines (N-2246-3 or N-2246-4) prior to the end of the commissioning period 2) Source testing to measure startup NOx, CO, and VOC mass emission rates shall be conducted for one of the gas turbines (N-2246-3 or N-2246-4) at least once every seven years. 3) The results and field data collected during source tests shall be submitted to the CPM and the District within 60 days of testing.	Ongoing	08/28/09 10/20/09	Source Test Source Test Report Submitted
SJ 1-2-46 SJ 2-2-46	AQ-042	Startup & Ops	Source testing to demonstrate compliance with the NOx (ppmvd), CO (ppmvd), VOC (ppmvd), PM10 (lb/hour), and NH3 (ppmvd) emission limits and fuel gas sulfur content requirements shall be conducted within 120 days of initial operation. Source testing to demonstrate compliance with the NOx (ppmvd), CO (ppmvd), VOC (ppmvd), PM10 (lb/hour), and NH3 (ppmvd) emission limits shall be conducted at least once every twelve months thereafter. [District Rules 2201 and 4001]	1) This testing shall be conducted within 120 days of initial operation. 2) The results and field data collected during source tests shall be submitted to the CPM and the District within 60 days of testing. 3) Testing shall occur every 12 months after initial testing.	Ongoing	08/28/09 10/20/09	Source Test Source Test Report Submitted
DELETED	AQ-043	Startup & Ops	Source testing to determine the percent efficiency of the turbine shall be conducted annually. [District Rule 4703]	1) Test annually. 2) The results and field data collected during source tests shall be submitted to the CPM and the District within 60 days of testing.	Ongoing	08/28/09 10/20/09	Source Test Source Test Report Submitted
SJ 1-2-50 SJ 2-2-50	AQ-044	Startup & Ops	NOx emissions (referenced as NO2) shall be determined using EPA method 7E, EPA method 20, or CARB Method 20. The test results shall be corrected to ISO standard conditions as defined in 40 CFR Part 60 Subpart GG Section 60.335. [District Rules 1081, 2201, 4001, and 4703]	1a) The project owner shall provide a source test plan demonstrating compliance with this condition to the CPM for review and APCO for approval fifteen (15) days prior to testing. 1b) Provide to CPM evidence of District's approval prior to conducting the source test.	Ongoing	06/12/09 07/16/09 07/30/09	Source Test Notice and Protocol submitted. Source Test Schedule submitted. Source Test Protocol approval
SJ 1-2-51 SJ 2-2-51	AQ-045	Startup & Ops	VOC emissions (referenced as methane) shall be determined using EPA method 18 or EPA method 25. [District Rules 1081 and 2201]	1a) The project owner shall provide a source test plan demonstrating compliance with this condition to the CPM for review and APCO for approval fifteen (15) days prior to testing. 1b) Provide to CPM evidence of District's approval prior to conducting the source test.	Ongoing	06/12/09 07/16/09 07/30/09	Source Test Notice and Protocol submitted. Source Test Schedule submitted. Source Test Protocol approval
SJ 1-2-52 SJ 2-2-52	AQ-046	Startup & Ops	CO emissions shall be determined using EPA method 10 or EPA method 10B. [District Rules 1081, 2201, and 4703]	The project owner shall provide a source test plan demonstrating compliance with this condition to the CPM for review and APCO for approval fifteen (15) days prior to testing. 1b) Provide to CPM evidence of District's approval prior to conducting the source test.	Ongoing	06/12/09 07/16/09 07/30/09	Source Test Notice and Protocol submitted. Source Test Schedule submitted. Source Test Protocol approval
SJ 1-2-53 SJ 2-2-53	AQ-047	Startup & Ops	Source testing to measure concentrations of PM10 shall be conducted using EPA methods 201 and 202, or EPA methods 201A and 202, or CARB method 501 in conjunction with CARB method 5. [District Rules 1081 and 2201]	1a) The project owner shall provide a source test plan demonstrating compliance with this condition to the CPM for review and to the APCO for approval 15 days prior to testing. 1b) Provide to CPM evidence of District's approval prior to conducting the source test.	Ongoing	06/12/09 07/16/09 07/30/09	Source Test Notice and Protocol submitted. Source Test Schedule submitted. Source Test Protocol approval
SJ 1-2-54 SJ 2-2-54	AQ-048	Startup & Ops	Ammonia (NH3) emissions shall be determined using BAAQMD Method ST-1B. [District Rules 1081 and 4102]		Ongoing	06/12/09 07/16/09 07/30/09	Source Test Notice and Protocol submitted. Source Test Schedule submitted. Source Test Protocol approval
SJ 1-2-55 SJ 2-2-55	AQ-049	Startup & Ops	Oxygen content of the exhaust gas shall be determined using EPA method 3, EPA method 3A, or EPA method 20. [District Rules 1081, 2201, and 4703]	The project owner shall provide a source test plan demonstrating compliance with this condition to the CPM for review and APCO for approval fifteen (15) days prior to testing. 1b) Provide to CPM evidence of District's approval prior to conducting the source test.	Ongoing	06/12/09 07/16/09 07/30/09	Source Test Notice and Protocol submitted. Source Test Schedule submitted. Source Test Protocol approval
SJ 1-2-56 SJ 2-2-56	AQ-050	Startup & Ops	If necessary, testing for fuel sulfur content shall be conducted utilizing ASTM Method D 3246, ASTM Method D1072-90, ASTM Method D4468-85, ASTM Method D5504-94 or ASTM Method D3246-81. [District Rules 1081 and 4001]	The project owner shall provide a source test plan demonstrating compliance with this condition to the CPM for review and APCO for approval fifteen (15) days prior to testing. 1b) Provide to CPM evidence of District's approval prior to conducting the source test.	Ongoing	06/12/09 07/16/09 07/30/09	Source Test Notice and Protocol submitted. Source Test Schedule submitted. Source Test Protocol approval

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fire pump N-7172-4-0 = SJ 4-0

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SJ 1-2-58 SJ 2-2-58	AQ-052	Ops	The project owner 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 2201 and 4703]	The project owner shall make the site available for inspection of records by representatives of the District, CARB, and the Commission.	Available		
SJ 1-2-59 SJ 2-2-59	AQ-053	Ops	The project owner shall maintain a daily record that includes the actual turbine start-up and stop times (local time), total hours of operation, and the quantity and type of fuel used. [District Rule 4703]	The project owner shall make the site available for inspection of records by representatives of the District, CARB, and the Commission.	Available		
SJ 1-2-60 SJ 2-2-60	AQ-054	Ops	The project owner shall retain records of the cumulative annual NOx, CO, and VOC emissions. The record shall be updated monthly. [District Rule 2201]	The project owner shall make the site available for inspection of records by representatives of the District, CARB, and the Commission.	Available		
SJ 1-2-61 SJ 2-2-61	AQ-055	Ops	The project owner shall maintain hourly records of NOx, CO, and ammonia concentrations (ppmv @ 15% O2). [District Rules 2201 and 4201]	The project owner shall make the site available for inspection of records by representatives of the District, CARB, and the Commission.	Available		
SJ 1-2-62 SJ 2-2-62	AQ-056	Ops	The Quarterly Report shall include: time intervals and the magnitude of excess emissions, the nature and cause of excess emissions (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 for the pollutant/source category in question; time and date of each period during which a continuous monitoring system 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]	The project owner shall submit a written report for each calendar quarter to the APCO. The report shall be received by the District within 30 days of the end of the quarter. The project owner shall submit to the CPM and APCO the excess emissions and other data demonstrating compliance with this condition as part of the Quarterly Operational Report (AQ-C7).	Ongoing	04/30/09 07/30/09 10/30/09 01/30/10	Quarterly Operational Report (AQ-C7).
SJ 1-2-63 SJ 2-2-63	AQ-057	Ops	The project owner shall provide notification and record keeping as required under 40 CFR, Part 60, Subpart A, 60.7. [District Rule 4001]	The project owner shall comply with the notification and record keeping requirements specified under 40 CFR, Part 60, Subpart A, 60.7. The project owner shall make records available for inspection by representatives of the District, CARB, and the Commission upon request.	Available		
SJ 1-2-64 SJ 2-2-64	AQ-058	Ops	Operator shall submit a semiannual report to the APCO listing any daily period during which the sulfur content of the fuel being fired in the gas turbine exceeded 0.8% by weight. [District Rule 4001]	The project owner shall submit to the CPM and APCO the sulfur content data as necessary to comply with this condition as part of every other Quarterly Operational Report (AQ-C7).	Ongoing	04/30/09 07/30/09 10/30/09 01/30/10	Quarterly Operational Report (AQ-C7).
SJ 1-2-65 SJ 2-2-65	AQ-059	Ops	All records required to be maintained by this permit shall be maintained for a period of 5 years and shall be made readily available for District inspection upon request. [District Rule 2201]	The project owner shall make the site available for inspection of records by representatives of the District, CARB, and the Commission.	Available		
SJ 1-2-66 SJ 2-2-66	AQ-061	Ops	Project owner 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]	The project owner shall comply with the notification requirements of the District and submit written copies of these notification reports to the CPM and the APCO as part of the Quarterly Operational Report (AQ-C7).	Ongoing	04/30/09 07/30/09 10/30/09 01/30/10	Quarterly Operational Report (AQ-C7).
SJ 1-2-67 SJ 2-2-67	AQ-062	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. [District Rule 1100]	The project owner shall comply with the notification requirements of the District and submit written copies of these notification reports to the CPM as part of the Quarterly Operational Report (AQ-C7).	Ongoing	04/30/09 07/30/09 10/30/09 01/30/10	Quarterly Operational Report (AQ-C7).
SJ 1-2-38 SJ 2-2-38	AQ-076	Ops	The cumulative quarterly CO emissions from permit units N-2246-3 and N-2246-4 shall not exceed 49,996 lb/quarter. [District Rule 2201]	The project owner shall provide emissions data to demonstrate compliance with this condition as part of the Quarterly Operational Report (AQ-C7).	Ongoing	04/30/09 07/30/09 10/30/09 01/30/10	Quarterly Operational Report (AQ-C7).
SJ 1-2-39 SJ 2-2-39	AQ-077	Ops	The cumulative annual CO emissions from permit units N-2246-3 and N-2246-4 shall not exceed 199,982 lb/year. [District Rule 2201]	The project owner shall provide emissions data to demonstrate compliance with this condition as part of the Quarterly Operational Report (AQ-C7).	Ongoing	04/30/09 07/30/09 10/30/09 01/30/10	Quarterly Operational Report (AQ-C7).

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SJ 3-0-7	AQ-079 (part 2 of 2)	Ops	No hexavalent chromium containing compounds shall be added to cooling tower circulating water. [District Rule 7012]	Provide any revisions to the cooling tower water additives list to the CPM demonstrating compliance with this condition prior to using the new water additive.	Ongoing		No changes in the reporting period.
SJ 3-0-9	AQ-081	Ops	The PM10 emissions shall not exceed 30.8 lb/day. [District Rule 2201]	The project owner shall submit to the CPM and APCO the cooling tower emission data demonstrating compliance with this condition as part of the Quarterly Operational Report (AQ-C7).	Ongoing	04/30/09 07/30/09 10/30/09 01/30/10	Quarterly Operational Report (AQ-C7).
SJ 3-0-10	AQ-082	Ops	Compliance with the PM10 emission limit shall demonstrated as follows: PM10 lb/day = Circulating Water Recirculation rate (gal/day) x 8.34 lb/gal x Total Dissolved Solids Concentration in the blowdown water (ppm) x Design Drift Rate (%). [District Rule 2201]	The project owner shall submit to the CPM and APCO the cooling tower emission data demonstrating compliance with this condition as part of the Quarterly Operational Report (AQ-C7).	Ongoing	04/30/09 07/30/09 10/30/09 01/30/10	Quarterly Operational Report (AQ-C7).
SJ 3-0-11	AQ-083	Constr & Ops	Compliance with PM10 emission limit shall be determined by blowdown water sample analysis by independent laboratory within 120 days of initial operation and quarterly thereafter. [District Rule 1081]	The results and field data collected from cooling tower blowdown water samples analysis shall be submitted to the CPM and the District as part of the Quarterly Operational Report (AQ-C7). The sampling will be conducted 1) within 120 days of initial operation, and 2) quarterly thereafter.	Ongoing	04/30/09 07/30/09 10/30/09 01/30/10	Quarterly Operational Report (AQ-C7).
SJ 3-0-23 SJ 4-0-7	AQ-084	Constr & Ops	The exhaust stack shall not be fitted with a rain cap, or any other similar device, that impedes upward vertical exhaust flow. [District Rule 4102]	The project owner shall make the site available for inspection of the fire pump engine by representatives of the District, CARB and the Commission.	Available		
SJ 3-0-28 SJ 4-0-12	AQ-089	Ops	Only CARB certified fuel containing not more than 0.05% sulfur by weight is to be used in this engine. [District Rule 2201]	The project owner shall make fuel purchase, MSDS or other fuel supplier records containing diesel fuel sulfur content available for inspection by representatives of the District, CARB and the Commission upon request.	Available		
SJ 3-0-29 SJ 4-0-13	AQ-090	Ops	The engine shall be operated only for maintenance, testing, required regulatory purposes and during emergency situations. Operation of the engine for maintenance, testing, and required regulatory purposes shall not exceed 100 hours per year. [District Rules 2201 and 4102]	The project owner shall submit to the CPM and APCO the fire pump engine operations data demonstrating compliance with this condition as part of the Quarterly Operational Report (AQ-C7).	Ongoing	04/30/09 07/30/09 10/30/09 01/30/10	Quarterly Operational Report (AQ-C7).
SJ 3-0-30 SJ 4-0-14	AQ-091	Ops	The project owner shall maintain records of hours of emergency and non-emergency operation. Records shall include the date, the number of hours of operation, the purpose of the operation (e.g., load testing, weekly testing, rolling blackout, general area power outage, etc.), and the sulfur content of the diesel fuel used. [District Rule 1070]	The project owner shall make the fire pump engine operating records available for inspection by representatives of the District, CARB and the Commission upon request.	Available		
SJ 3-0-1 SJ 4-0-1	AQ-092	Constr & Ops	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]	Keep proof of the project's District air permit and CEC certification, including copies of all permit conditions and Conditions of Certification, onsite starting at commencement of construction through the final decommissioning of the facility. Make the District's permit conditions and Conditions of Certification available at the project site to representatives of the District, California Air Resource Board (CARB) and the Energy Commission for inspection.	Available		
SJ 1-2-4 SJ 2-2-4 SJ 3-0-6 SJ 4-0-3	AQ-093	Ops	All equipment shall be maintained in proper operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District NSR Rule]	The project owner shall make the site available for inspection by representatives of the District, CARB and the Commission.	Available		
SJ 1-2-5 SJ 2-2-5 SJ 3-0-3 SJ 4-0-4	AQ-094	Ops	No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]	The project owner will document any complaints that it has received from the public in the Quarterly Operational Report (AQ-C7).	Ongoing	04/30/09 07/30/09 10/30/09 01/30/10	Quarterly Operational Report (AQ-C7).
SJ 1-2-6 SJ 2-2-6 SJ 3-0-5 SJ 4-0-6	AQ-095	Ops	Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]	The project owner shall submit the results of the initial and annual source tests per Condition AQ-42.	Ongoing	08/28/09 10/20/09	Source Test Source Test Report Submitted
SJ 1-2-7 SJ 2-2-7 SJ 3-0-4 SJ 4-0-5	AQ-096	Ops	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]	The project owner shall document any known opacity violations in the Quarterly Operational Report (AQ-C7).	Ongoing	04/30/09 07/30/09 10/30/09 01/30/10	Quarterly Operational Report (AQ-C7).

SJVAPCD permit #'s:
turbine N-7172-1-2 = SJ 1-2
turbine N-7172-2-2 = SJ 2-2
cooling tower N-7172-3-0 = SJ 3-0
fire pump N-7172-4-0 = SJ 4-0

**Walnut Energy Center
CEC Compliance Matrix--Annual Compliance Report
April 1, 2009 to March 31, 2010**

Commission Decision

ATC N-7172-1-2 N-7172-2-2 N-7172-3-0 N-7172-4-0 Condition	Commission Decision Condition	Phase	Description	Verification/Action/Submittal Required	Status	Date Submitted	Comments
DELETED DELETED SJ 3-0-31 SJ 4-0-15	AQ-103	Ops	Project owner shall submit an application to comply with Rule 2520 - Federally Mandated Operating Permits within twelve months of commencing operation. [District Rule 2520]	The project owner shall submit a copy of their Title V – Federal Mandated Operating Permit Application to the CPM within 12 months of commencing operation.	Ongoing	09/24/07	Application submitted to SJVAPCD As of 4/30/09 the Title V permit has not been issued.
DELETED	AQ-105	Constr & Ops	Disturbances of soil related to any construction, demolition, excavation, extraction, and other earthmoving activities shall comply with the requirements for fugitive dust control in SJVUAPCD District Rule 8021 (11/15/01) unless specifically exempted under section 4.0 of Rule 8021. [District Rule 8021]	The project owner shall document compliance with Rule 8021 in the Monthly Compliance Report, and as necessary after construction is complete in the Quarterly Operational Report (AQ-C7).	Ongoing	04/30/09 07/30/09 10/30/09 01/30/10	Quarterly Operational Report (AQ-C7).
DELETED	AQ-106	Constr & Ops	Outdoor handling, storage, and transport of any bulk material shall comply with the requirements of SJVUAPCD District Rule 8031 (11/15/01), unless specifically exempted under section 4.0 of Rule 8031. [District Rule 8031]	The project owner shall document compliance with Rule 8031 in the Monthly Compliance Report, and as necessary after construction is complete in the Quarterly Operational Report (AQ-C7).	Ongoing	04/30/09 07/30/09 10/30/09 01/30/10	Quarterly Operational Report (AQ-C7).
DELETED	AQ-107	Constr & Ops	All sites that are subject to SJVUAPCD District Rule 8021, SJVUAPCD District Rule 8031, and SJVUAPCD District Rule 8071 shall comply with the requirements of SJVUAPCD District Rule 8041 (11/15/01), unless specifically exempted under section 4.0 of Rule 8041. [District Rule 8041]	The project owner shall document compliance with Rule 8041 in the Monthly Compliance Report, and as necessary after construction is complete in the Quarterly Operational Report (AQ-C7).	Ongoing	04/30/09 07/30/09 10/30/09 01/30/10	Quarterly Operational Report (AQ-C7).
DELETED	AQ-108	Constr & Ops	Any open area having 3.0 acres or more of disturbed surface area, that has remained undeveloped, unoccupied, unused or vacant for more than seven days shall comply with the requirements of SJVUAPCD District Rule 8051 (11/15/01), unless specifically exempted under section 4.0 of Rule 8051. [District Rule 8051]	The project owner shall document compliance with Rule 8051 in the Monthly Compliance Report, and as necessary after construction is complete in the Quarterly Operational Report (AQ-C7).	Ongoing	04/30/09 07/30/09 10/30/09 01/30/10	Quarterly Operational Report (AQ-C7).
DELETED	AQ-109	Constr & Ops	Any new or existing public or private paved or unpaved road, road construction project, or road modification project shall implement the control measures and design criteria of, and comply with the requirements of SJVUAPCD District Rule 8061 (11/15/01) unless specifically exempted under section 4.0 of Rule 8061. [District Rule 8061]	The project owner shall document compliance with Rule 8061 in the Monthly Compliance Report, and as necessary after construction is complete in the Quarterly Operational Report (AQ-C7).	Ongoing	04/30/09 07/30/09 10/30/09 01/30/10	Quarterly Operational Report (AQ-C7).
DELETED	AQ-110	Constr & Ops	Any unpaved vehicle/equipment traffic area of 1.0 acre or larger shall comply with the requirements of SJVUAPCD District Rule 8071 (11/15/01), unless specifically exempted under section 4.0 of Rule 8071. [District Rule 8071]	The project owner shall document compliance with Rule 8071 in the Monthly Compliance Report, and as necessary after construction is complete in the Quarterly Operational Report (AQ-C7).	Ongoing	04/30/09 07/30/09 10/30/09 01/30/10	Quarterly Operational Report (AQ-C7).
DELETED	AQ-111	Constr & Ops	Any off-field agricultural sources shall comply with the requirements of SJVUAPCD District Rule 8081 (11/15/01), unless specifically exempted under section 4.0 of Rule 8081. [District Rule 8081]	The project owner shall document compliance with Rule 8081 in the Monthly Compliance Report, and as necessary after construction is complete in the Quarterly Operational Report (AQ-C7).	Ongoing	04/30/09 07/30/09 10/30/09 01/30/10	Quarterly Operational Report (AQ-C7).
	BIO-002	Ops	Biologist to submit record summaries during operation	During project operation, the Designated Biologist shall submit record summaries in the Annual Compliance Report.	Ongoing	04/30/07 04/28/08 05/07/08	Report included in ACR #1 Request Relief From Verification Language Requirement Approval by email from Mr. Ron Yasny - Tracking Number: 08-0380
	BIO-004	Ops	WEAP signed statements during operation	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.	Ongoing		Records on file.
	COM-001	All	Unrestricted Access--The CPM, responsible Energy Commission staff, and delegate agencies or consultants, shall be guaranteed and granted unrestricted access to the power plant site, related facilities, project-related staff, and the files and records maintained on site, for the purpose of conducting audits, surveys, inspections, and general site visits.	No submittal required	Available		
	COM-002	All	Compliance Record--The files are to contain copies of all "as-built" drawings, all documents submitted as verification for conditions, and all other project-related documents.	The project owner shall maintain project files on-site 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.	Available		
	COM-003	All	Compliance Verification Submittals	The project owner is responsible for the delivery and content of all verification submittals to the CPM, whether such condition was satisfied by work performed or the project owner or his agent.	Ongoing		Acknowledged
	COM-007	Ops	Annual Compliance Reports--After construction is complete, the project owner shall submit Annual Compliance Reports instead of Monthly Compliance Reports. See COM-7 for all requirements for the Annual Compliance Report	After construction is complete, the project owner shall submit Annual Compliance Reports instead of Monthly Compliance Reports. The reports are for each year of commercial operation and are due to the CPM each year at a date agreed to by the CPM.	Ongoing	#1 04/30/07 #2 04/30/08 #3 04/30/09 #4 04/30/10	ACR #1 was submitted. ACR #2 was submitted. ACR #3 was submitted. ACR #4 was submitted.

SJVAPCD permit #'s:
turbine N-7172-1-2 = SJ 1-2
turbine N-7172-2-2 = SJ 2-2
cooling tower N-7172-3-0 = SJ 3-0
fire pump N-7172-4-0 = SJ 4-0

Walnut Energy Center
CEC Compliance Matrix--Annual Compliance Report
April 1, 2009 to March 31, 2010

Commission Decision

ATC N-7172-1-2 N-7172-2-2 N-7172-3-0 N-7172-4-0 Condition	Commission Decision Condition	Phase	Description	Verification/Action/Submittal Required	Status	Date Submitted	Comments
	COM-009	All	Confidential Information	Any information the project owner deems confidential shall be submitted to the Commission's Dockets Unit with an application for confidentiality.	Ongoing		Acknowledged
	COM-011	All	Reporting of Complaints, Notices and Citations	Complaints will be logged and numbers, and recorded on either the Attachment "A" Complaint Form or the noise complaint provided in the NOISE Conditions of Certification. Within 10 days of receipt, the project owner shall report to the CPM, all notices, complaints, and citations.	Ongoing		No complaints
	COM-13 (part 2 of 3)	Ops	Updating Contingency Plan	2) The project owner, in consultation with the CPM, will update the on-site contingency plan as necessary. 3) In the Annual Compliance Report the project owner will review the on-site contingency plan and recommend changes to bring the plan up to date. Any changes must be approved by the CPM.	Ongoing	04/30/10	Annual review of the plan was conducted. The results are included in ACR.
	HAZ-001 (Part 1 of 2)	Constr & Ops	The project owner shall not use any hazardous material not listed in Attachment A or in greater quantities than those identified by the chemical name in Attachment A, unless approved in advance by CPM.	1) Notify CPM of any intended change in types and/or quantities of materials listed in 2, and receive approval of such change prior to making such change.	Ongoing		No changes in the reporting period.
	HAZ-001 (Part 2 of 2)	Constr & Ops	The project owner shall not use any hazardous material not listed in Attachment A or in greater quantities than those identified by the chemical name in Attachment A, unless approved in advance by CPM.	2) Provide to the CPM, in the Annual Compliance Report, a list of hazardous materials contained at the facility in reportable quantities.	Ongoing	04/30/10	Hazardous Materials List submitted in ACR.
	NOISE-002	All	Throughout the construction and operation of the project, the project owner shall document, investigate, evaluate, and attempt to resolve all project-related noise complaints.	1) Within five days of receiving a noise complaint, the project owner shall file a copy of the Noise Complaint Resolution Form, with the local jurisdiction and the CPM, documenting the resolution of the complaint. 2) If mitigation is required to resolve a complaint, and the complaint is not resolved within a 3-day period, the project owner shall submit an updated Noise Complaint Resolution Form when the mitigation is implemented.	Ongoing		No complaints
	SOIL & WATER-002 (part 2 of 2)	Ops	The project owner shall report annually in the Annual Compliance Report the results of drainage, erosion, and sedimentation control monitoring and maintenance activities.	Provide in the Annual Compliance Report information on the results of monitoring and maintenance activities.	Ongoing	04/30/10	Addressed in ACR
	SOIL & WATER-005 (Part 2 of 2)	Ops	The project's water use shall be limited as per SOILS & WATER-5. See SOILS & WATER-5 for water requirements/limitations.	2) In the event of interruption or reduction in recycled water service that requires the use of back-up potable water, notify the CPM in writing within 24 hours.	Ongoing		Backup water is from ground water not potable water.
	SOIL & WATER-006	Ops	The project owner shall prepare an alternative water supply plan which shall demonstrate that high quality water use by the WEC shall not exceed the historical average of 54 afy required to irrigate the 18-acre site. See SOILS&WATER-6 all for all details and requirements.	1) Submit to CPM for approval no later than 6/30/06 "Alternative Water Supply Plan" to address either (a) recycled water not available by Dec. 31, 2006 or (b) a force majeure event. 2) If recycled water not expected by City of Turlock to be available until after Dec. 31, 2006, notify CPM in writing no later than Nov. 30, 2006. See S&W-6 for notification requirements. 3) If after initiation of recycled water service a force majeure event results in recycled water supply being temporarily interrupted, notify CPM within 24 hours by telephone or e-mail. See S&W-6 for actions required if recycled water is interrupted and for notification requirements.	Ongoing	8/8/06 11/30/06	Approval of the alternate water supply plan must be received prior to its implementation. Alternative Water Supply Plan submitted on 8/8/06. Approved by CEC via email from Lance Shaw on 8/29/06. Notification re: recycled water availability provided on 11/30/06. Approved on 1/11/07.
	SOIL & WATER-007 (part 2 of 2)	Ops	An annual summary of daily water use by WEC, differentiating between potable and recycled water and the uses of each at WEC, shall be submitted to the CPM in the annual compliance report.	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 and operation in the annual compliance report.	Ongoing	04/30/10	Addressed in ACR
	SOIL & WATER-009	Ops	Wash wastewater resulting from periodic cleaning of the compressors and heat recovery steam generators shall be contained on-site in a sump with the contents of the sump periodically pumped out by a vacuum truck and transported off-site for disposal at an appropriately licensed facility.	In the annual compliance report, provide an accounting summary of the quantity and quality of wash and chemical cleaning water contained on-site, including the frequency of pumping, and the volume of water transported off-site for disposal. The accounting shall include documentation of the analytical reports required for disposal, and pre-treatment processing, if required for disposal and identification of disposal location.	Ongoing	04/30/10	Addressed in ACR
	SOIL & WATER-010	Ops	Zero liquid discharge system status report	In the annual compliance report, the project owner will submit a status report on operation of the zero liquid discharge system, including disruptions, maintenance, volumes of interim wastewater streams stored on-site, volumes of residual cake solids generated and the landfills used for disposal.	Ongoing	04/30/10	Addressed in ACR

SJVAPCD permit #s:
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turbine N-7172-2-2 = SJ 2-2
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fire pump N-7172-4-0 = SJ 4-0

**Walnut Energy Center
CEC Compliance Matrix--Annual Compliance Report
April 1, 2009 to March 31, 2010**

Commission Decision

ATC N-7172-1-2 N-7172-2-2 N-7172-3-0 N-7172-4-0 Condition	Commission Decision Condition	Phase	Description	Verification/Action/Submittal Required	Status	Date Submitted	Comments
	TLSN-003	Ops	Summary of line-related complaints	2) The project owner shall provide summary reports of line-related complaints to the CPM in an annual report.	Ongoing	04/30/10	Addressed in ACR
	VIS-002	Ops	Painting Maintenance	The project owner shall provide a status report regarding treatment maintenance in the Annual Compliance Report.	Ongoing	04/30/10	Status report provided in ACR.
	VIS-004	Ops	Reporting of lighting complaints	4) The project owner shall report any complaints about permanent lighting and provide documentation of resolution in the Annual Compliance Report for that year.	Ongoing	04/30/10	Addressed in ACR
	VIS-005	Ops	Landscaping maintenance activities	Report landscaping maintenance activities, including replacement of dead vegetation, for the previous year of operation in each Annual Compliance Report.	Ongoing	04/30/10	Addressed in ACR
	VIS-006	Ops	Cooling Tower annual certification	The project owner shall provide a written certification in each Annual Compliance Report to demonstrate that the cooling towers have consistently been operated within design parameters specified in VIS-6 except as necessary to prevent damage to the cooling towers.	Ongoing	04/30/10	Addressed in ACR
	WASTE-004	All	Upon becoming aware of any impending waste management-related enforcement action by any local, state, or federal authority, the project owner shall notify the CPM of any such action taken or proposed to be taken against the project itself, or against any waste hauler or disposal facility or treatment operator with which the owner contracts.	The project owner shall notify the CPM in writing within 10 days of becoming aware of an impending enforcement action. The CPM shall notify the project owner of any changes that will be required in the manner in which project-related wastes are managed.	Ongoing		No enforcement actions
	WASTE-005 (part 3 of 3)	Ops	Annual waste management reporting	3) In the Annual Compliance reports document the actual waste management methods used during the year compared to the planned management methods.	Ongoing	04/30/10	Addressed in ACR

SJVAPCD permit #'s:
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turbine N-7172-2-2 = SJ 2-2
cooling tower N-7172-3-0 = SJ 3-0
fire pump N-7172-4-0 = SJ 4-0

APPENDIX B

Plant Operating Summary

**Walnut Energy Center
Annual Operating Report
2009-2010**

END DATE	GAS TURBINE UNIT #1		GAS TURBINE UNIT #2		STEAM TURBINE UNIT #3	
	Service Hours	Generator Gross Output (KWH)	Service Hours	Generator Gross Output (KWH)	Service Hours	Generator Gross Output (KWH)
4/30/2009	432	26,880,945	430	26,641,529	432	34,117,787
5/31/2009	395	24,927,223	553	34,364,109	546	39,580,972
6/30/2009	720	44,288,690	720	44,176,992	720	59,622,911
7/31/2009	744	45,546,669	744	45,405,516	744	61,809,459
8/31/2009	744	48,505,723	744	48,326,960	744	63,689,034
9/30/2009	698	45,506,415	687	44,556,100	705	58,762,866
10/31/2009	575	37,899,913	574	37,679,400	572	47,678,138
11/30/2009	184	13,170,257	206	14,434,770	200	17,865,298
12/31/2009	744	49,755,560	744	49,656,314	744	63,253,395
1/31/2010	744	49,932,832	744	49,803,301	744	63,418,425
2/28/2010	608	39,641,216	512	33,576,986	640	45,372,191
3/31/2010	743	52,615,074	743	52,477,146	743	65,192,132

APPENDIX C

BIO-2 Designated Biologist's Report



TURLOCK IRRIGATION DISTRICT
333 EAST CANAL DRIVE
POST OFFICE BOX 949
TURLOCK, CALIFORNIA 95381
(209) 883-8300

April 28, 2008

Mr. Ron Yasny
Compliance Project Manager
California Energy Commission
1516 9th Street (MS-2000)
Sacramento, CA 95814-5512

**Subject: WECA WEC (-02-AFC-04C) BIO-2 DESIGNATED BIOLOGIST'S SUMMARIES
IN ANNUAL COMPLIANCE REPORT**

Dear Mr. Yasny:

The Verification language of Condition of Certification BIO-2 for the Walnut Energy Center Authority's (WECA) Walnut Energy Center (WEC) requires that during project operations, the Designated Biologist submit "record summaries" in the project's Annual Compliance Report for activities performed as required by the Condition.

The WEC began commercial operation in March 2006. Since that time there have been no activities associated with power plant operations that have required biological resource monitoring or reporting as required by Condition BIO-2. In addition, there is no work planned in the foreseeable future which will require the duties of the Designated Biologist. Given this, the WECA respectfully requests relief from the Condition BIO-2 Verification language requirement that the Designated Biologist submit record summaries in the Annual Compliance Report.

Please do not hesitate to call me at (209) 883-8232 if you have any questions or comments.

Respectfully,

Randy Baysinger
Assistant General Manager – Power Supply

cc: Dan Welch, Sierra Research
Susan Strachan, Strachan Consulting
File



From: "Ron Yasny" <Ryasny@energy.state.ca.us>
To: "Les Barrigar" <lhbarrigar@tid.org>
Date: Wednesday, May 07, 2008 4:05:41 PM
Subject: Re: WEC (02-AFC-04C) Condition of Certification BIO-2

Hi Les,

Staff is in agreement with your assessment and has removed the requirement for the Designated Biologist to report annually. Please mention in each annual report that this requirement has been removed and mention the status of any biological issues that occurred during the year. If there are none, please state that. You might mention our tracking number 08-0380 as well.

Ron Yasny
Compliance Project Manager
Energy Facilities Siting Division
California Energy Commission
1516 9th St. Mail Stop 2000
Sacramento, Ca. 95814-5512
916 651-1227 f 654-3882

>>> "Les Barrigar " <lhbarrigar@tid.org> 4/28/2008 12:39 PM >>>
Mr. Yasny,

Attached please find a request for relief from the Verification language of BIO-2 Designated Biologist's Summaries in Annual Compliance Report.

Kindly acknowledge receipt with a reply.

Thank you,

Les Barrigar
Power Plant Regulatory
Compliance Manager
Turlock Irrigation District
Walnut Energy Center
600 S. Washington Rd.
Turlock, CA 95380
(209) 883-3454

CC: "Susan Strachan" <strachan@dcn.davis.ca.us>, "P.E. Dan Welch" <DWelch@sierraresearch.com>, "George Davies" <gadavies@tid.org>, "Randy Baysinger" <rcbaysinger@tid.org>

APPENDIX D

Hazardous Materials List

Walnut Energy Center HAZ-1 HAZARDOUS MATERIALS LIST

TRADE NAME	CHEMICAL NAME	CAS NUMBER	ACTUAL QTY ON-SITE PER BUSINESS PLAN (GALLONS)
76 TURBINE OIL XS 32, 46	LUBRICANT BASE OIL	VARIOUS	7000
ANHYDROUS AMMONIA	ANHYDROUS AMMONIA	7664-41-7	10625
BATTERY ACID	BATTERY ACID	NONE	156570 (lbs)
CARBON DIOXIDE	CARBON DIOXIDE	NONE	16000 (lbs)
CONNTECT 7000	PETROLEUM DISTILLATE (35-45%) NONYLPHENOXPOLY ETHANE (5-15%) TRIEHTANOLAMINE (5-15%) HEXYLENE GLYCOL (5-15%) DIPROPYLENE GLYCOL METHYL ETHER (5-15%) WATER (5-15%)	6472-94-5 9016-45-9 102-71-6 170-41-5 34590-94-8 7732-18-5	110
DIESEL #2	OIL	NONE	500
ENVIROTEMP FR3 FLUID	VEGETABLE OIL (>98.5%) ADDITIVES	NONE	1468
HYDROCLEAR DIAMOND CLASS AW TURBINE OIL 32	LUBRICANT BASE OIL	NONE	6000
NALCO 3D TRASAR 3DT179	PHOSPHINOSUCCINIC OLIGOMER (PSO)	NONE	1625
NALCO 3DT 190	3D TRASAR 3DT190	1310-73-2	1625
NALCO 7220	BOILER TREATMENT, IRON DISPERSANT	NONE	55
NALCO 7408	CHLORINE SCAVENGER SODIUM BISULFITE (30%-60%)	7631-90-5	400
NALCO 7469	POLYPROPYLENE GLYCOL (10.0 - 30.0%w)	25322-69-4	1000
NALCO 7471	ANTIFOAM	NONE	400
NALCO 77352 NON- OXIDIZING BIOCID	Magnesium Nitrate (1.0 - 5.0%w) 2-Methyl-4-Isothiazolin-3-one (0.1 - 1.0%w) 5-Chloro-2-Methyl-4-Isothiazolin-3-one (1.0 - 5.0%w)	10377-60-3 2682-20-4 26172-55-4	55
NALCO ACTI-BROM 7342	CHLORINE ENHANCER, BIODISPERSERANT SODIUM BROMIDE (30%-50%)	7647-15-6	330
NALCO BT-3400	SODIUM HYDROXIDE (1%-5%)	1310-73-2	400
NALCO ELIMIN-OX	OXYGEN SCAVENGER CAROYDRAZIDE (5%-10%)	497-18-7	400
NALCO PERMA TREAT PC-191	RO ANTISCALENT	NONE	400
NALCO PERMACLEAN PC-77	RO CLEANER	NONE	55
NALCO TRAC107 PLUS	CORROSION INHIBITOR SODIUM HYDROXIDE (0.1%-1.0%)		110
NALCO TRI-ACT 1800	CYCLOHEXYLAMIN (5%-10%) MONOETHANOLAMIN (10%-30%) METHOXYPROPYLAMIN (10%-30%)	108-91-8 141-43-5 5332-73-0	400
NITROGEN/COMPRESSED	NITROGEN	NONE	10944 (cu. Ft.)
SODIUM CHLORIDE	SODIUM CHLORIDE	7647-14-5	40000 (lbs)
SODIUM HYDROXIDE	SODIUM HYDROXIDE (50%)	7647-01-0	6000
SODIUM HYPOCHLORITE LIQUID	SODIUM HYPOCHLORITE LIQUID SOLUTION (12.5%)	7681-52-9	8000
SULFURIC ACID	SULFURIC ACID (93.9%)	7664-93-9	12000
TRANSFORMER OIL, HYVOLT II	SEVERELY TREATED HEAVY NAPHTHENIC OIL (>99.7%)		5087
TRANSFORMER OIL, TYPE II	SEVERELY TREATED HEAVY NAPHTHENIC OIL (99.7%) HINDERED PHENOL TYPE INHIBITOR (0.3%)	64742-53-6 128-39-2	41406

APPENDIX E

Soils & Water-7 Water Monitoring Tables

Water Usage at TID WEC
April 1, 2009 through March 31, 2010

Source: Groundwater

	Average Monthly Gallons	Monthly Average GPM <small>Note: Gallons per month divided by total minutes per month.</small>	Acre-feet per month	Annual Average (Acre-Feet)	Annual Range (Acre-Feet)	Historical Monthly Range--gpm	Historical Mo. Range--Acre-feet
Apr-09	3,095,000	71.64	0.95			71.64	0.95
May-09	2,395,000	53.65	0.73			53.65	0.73
Jun-09	2,667,000	61.74	0.82			61.74	0.82
Jul-09	1,716,000	N/A	0.00			N/A	0.00
Aug-09	1,640,000	36.74	0.50			36.74	0.50
Sep-09	1,353,000	31.32	0.42			31.32	0.42
Oct-09	2,014,000	45.12	0.62			45.12	0.62
Nov-09	4,032,000	93.33	1.24			93.33	1.24
Dec-09	2,401,000	53.79	0.74			53.79	0.74
Jan-10	3,038,000	68.06	0.93			68.06	0.93
Feb-10	1,563,000	38.76	0.48			38.76	0.48
Mar-10	1,033,000	23.14	0.32			23.14	0.32
Total	26,947,000		7.74			0.60	1.24

Acre-Feet = 3,259,000 gallons

Uses of groundwater were: Backup: Cooling Tower Makeup

Water Usage at TID WEC
April 1, 2009 through March 31, 2010
Source: Potable Water

	Average Monthly Gallons	Monthly Average GPM <small>Note: Gallons per month divided by total minutes per month.</small>	Acre-feet per month	Annual Average (Acre-Feet)	Annual Range (Acre-Feet)	Historical Monthly Range--gpm	Historical Mo. Range--Acre-feet
Apr-09	190,420	4.41	0.06			4.41	0.06
May-09	293,152	6.57	0.09			6.57	0.09
Jun-09	18,101	0.42	0.01			0.42	0.01
Jul-09	21,879	N/A	0.00			N/A	0.00
Aug-09	27,363	0.61	0.01			0.61	0.01
Sep-09	35,862	0.83	0.01			0.83	0.01
Oct-09	388,151	8.70	0.12			8.70	0.12
Nov-09	145,316	3.36	0.04			3.36	0.04
Dec-09	19,722	0.44	0.01			0.44	0.01
Jan-10	62,947	1.41	0.02			1.41	0.02
Feb-10	158,998	3.94	0.05			3.94	0.05
Mar-10	22,496	0.50	0.01			0.50	0.01
Total	1,384,407		0.42			0.03	0.12

Acre-Feet = 3,259,000 gallons

Uses of Potable Water were:

Eye Wash Stations and Chemical Showers

Sinks, Toilets, and Showers

Drinking, Cooking, Dish Washing, and Ice Making

Landscape

Firewater Makeup

Seal Water To Pumps In The Water Treatment Area When The ZLD System or the Plant Is Down

Water Usage at TID WEC
April 1, 2009 through March 31, 2010

Source: Recycled Water

	Average Monthly Gallons	Monthly Average GPM <small>Note: Gallons per month divided by total minutes per month.</small>	Acre-feet per month	Annual Average (Acre-Feet)	Annual Range (Acre-Feet)	Historical Monthly Range--gpm	Historical Mo. Range--Acre-feet
Apr-09	18,067,500	418.23	5.54			418.23	5.54
May-09	26,197,500	586.86	8.04			586.86	8.04
Jun-09	38,987,730	902.49	11.96			902.49	11.96
Jul-09	42,061,770	N/A	0.00			N/A	0.00
Aug-09	43,522,000	974.96	13.35			974.96	13.35
Sep-09	40,517,700	937.91	12.43			937.91	12.43
Oct-09	28,952,500	648.58	8.88			648.58	8.88
Nov-09	6,999,300	162.02	2.15			162.02	2.15
Dec-09	35,444,500	794.01	10.88			794.01	10.88
Jan-10	35,036,250	784.86	10.75			784.86	10.75
Feb-10	26,863,150	666.25	8.24			666.25	8.24
Mar-10	39,443,600	883.59	12.10			883.59	12.10
Total	382,093,500		104.34	8.03	13.35		104.34

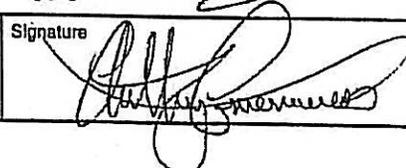
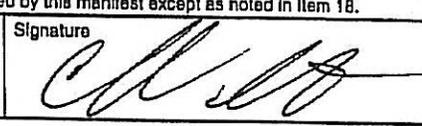
Acre-Feet = 3,259,000 gallons

Uses of Recycled Water were: Cooling Tower Makeup

APPENDIX F

**Soils & Water-9 Wash Water Disposal
Bills of Lading**

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	2. Page 1 of 1	3. Document Number 6773
GENERATOR	4. Generator's Name and Mailing Address <i>Turlock Irrigation District P.O. Box 949 Attn: Carlos Aguilar Turlock CA 95381</i>		Site: T.I.D 600 S. Washington Turlock CA 95381	
	5. Transporter Company Name CLEARWATER ENVIRONMENTAL	6. US EPA ID Number CAR000007013	7. Transporter Phone (510) 476-1740	
	8. Designated Facility Name and Site Address ALVISO INDEPENDENT OIL 5002 ARCHER STREET ALVISO, CA 95002	9. US EPA ID Number CAL000161743	10. Facility's Phone (510) 476-1740	
	11. Waste Shipping Name and Description a. Non-Hazardous waste, <i>Liquid</i>		12. Containers No. Type	13. Total Quantity
15. Special Handling Instructions and Additional Information Wear PPE Emergency Contact (510) 476-1740 Attn: Kirk Hayward		Handling Codes for Wastes Listed Above 11a. 11b.		
16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to state or federal regulations for reporting proper disposal of Hazardous Waste.				
Printed/Typed Name <i>Stephen Martin</i>		Signature 		Month Day Year 5 11 09
17. Transporter Acknowledgement of Receipt of Materials				
Printed/Typed Name <i>Anthony Canevaro</i>		Signature 		Month Day Year 5 11 09
18. Discrepancy Indication Space				
19. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 18.				
Printed/Typed Name <i>Charles Seaton</i>		Signature 		Month Day Year 5 11 09

GENERATOR	NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.		2. Page 1 of 1		3. Document Number 7343		
	4. Generator's Name and Mailing Address Turlock Irrigation District P.O. Box 949 Turlock, CA 95381 Generator's Phone: 209-883-8200				Site: 600 South Washington Turlock, CA 95381				
	5. Transporter Company Name CLEARWATER ENVIRONMENTAL		6. US EPA ID Number CAR000007013		7. Transporter Phone (510) 476-1740				
	8. Designated Facility Name and Site Address ALVISO INDEPENDENT OIL 5002 ARCHER STREET ALVISO, CA 95002		9. US EPA ID Number CAL000161743		10. Facility's Phone (510) 476-1740				
	11. Waste Shipping Name and Description					12. Containers		13. Total Quantity	14. Unit Wt/Vol
	a. Non-Hazardous waste, Liquid					No.	Type	3000	G
	b.								
	15. Special Handling Instructions and Additional Information Wear PPE Emergency Contact (510) 476-1740 Attn: Kirk Hayward					Handling Codes for Wastes Listed Above 11a. 11b.			
	16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to state or federal regulations for reporting proper disposal of Hazardous Waste.								
	Printed/Typed Name Stephen Martin					Signature 			
17. Transporter Acknowledgement of Receipt of Materials					Month Day Year 5 12 09				
Printed/Typed Name Anthony Canevaro					Signature 				
18. Discrepancy Indication Space					Month Day Year 5 12 09				
19. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 18.									
Printed/Typed Name Charles Seaton					Signature 				
					Month Day Year 5 12 09				

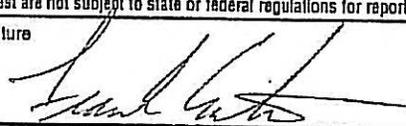
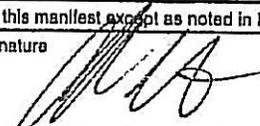
WHITE - ORIGINAL (Return to Generator)

YELLOW - TSD (Retain Copy)

PINK - TRANSPORTER COPY

GOLDENROD - GENERATOR'S COPY

GENERATOR	NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	2. Page 1 of 1	3. Document Number 7878	
	4. Generator's Name and Mailing Address Turlock Irrigation PO BOX 949 Turlock, CA 95381 209-883-8200			600 S. Washington Turlock, CA		
	5. Transporter Company Name CLEARWATER ENVIRONMENTAL		6. US EPA ID Number CAR000007013	7. Transporter Phone (510) 476-1740		
	8. Designated Facility Name and Site Address ALVISO INDEPENDENT OIL 5002 ARCHER STREET ALVISO, CA 95002		9. US EPA ID Number CAL000161743	10. Facility's Phone (510) 476-1740		
TRANSPORTER	11. Waste Shipping Name and Description a. Non-Hazardous waste			12. Containers No. Type	13. Total Quantity 5000	14. Unit G
	15. Special Handling Instructions and Additional Information Wear PPE Emergency Contact (510) 476-1740 Attn: Kirk Hayward			Handling Codes for Wastes Listed Above 11a. 11b.		
FACILITY	16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to state or federal regulations for reporting proper disposal of Hazardous Waste.					
	Printed/Typed Name Jeff Carlson			Signature JEFF CARLSON		Month Day Year 11 24 07
	17. Transporter Acknowledgement of Receipt of Materials Printed/Typed Name Anthony Carver			Signature Anthony Carver		Month Day Year 11 24 07
18. Discrepancy Indication Space						
19. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 18.						
Printed/Typed Name Charles Seaton			Signature Charles Seaton		Month Day Year 11 24 07	

NON-HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID No.	2. Page 1 of 1	3. Document Number 7884
GENERATOR	4. Generator's Name and Mailing Address Turlock Irrigation PO BOX 949 Turlock, CA 95381 209-883-8200		600 S. Washington Turlock, CA
	5. Transporter Company Name CLEARWATER ENVIRONMENTAL	6. US EPA ID Number CAR000007013	7. Transporter Phone (510) 476-1740
	8. Designated Facility Name and Site Address ALVISO INDEPENDENT OIL 5002 ARCHER STREET ALVISO, CA 95002		9. US EPA ID Number CAL000161743
	11. Waste Shipping Name and Description a. Non-Hazardous waste, LIQUID		10. Facility's Phone (510) 476-1740
	12. Containers No. Type		13. Total Quantity
b.		14. Unit Wt/Vol	
15. Special Handling Instructions and Additional Information Wear PPE Emergency Contact (510) 476-1740 Attn: Kirk Hayward		Handling Codes for Wastes Listed Above 11a. 11b.	
16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to state or federal regulations for reporting proper disposal of Hazardous Waste.			
Printed/Typed Name FRANK CARTER		Signature 	
17. Transporter Acknowledgement of Receipt of Materials		Month	Day
Printed/Typed Name MIKE STONE		Year 11 30 09	
Signature 		Month	Day
18. Discrepancy Indication Space		Year 11 30 09	
19. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 18.			
Printed/Typed Name Charles Sealon		Signature 	
Month		Day	Year
11		30 09	
FACILITY			

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	2. Page 1 of 1	3. Document Number 5164		
GENERATOR	4. Generator's Name and Mailing Address <i>Turlock Irrigation District P.O. Box 949 Turlock CA 95381</i>		Site: <i>600 Washington Turlock CA</i>			
	5. Transporter Company Name CLEARWATER ENVIRONMENTAL		6. US EPA ID Number CAR000007013	7. Transporter Phone (510) 476-1740		
	8. Designated Facility Name and Site Address ALVISO INDEPENDENT OIL 5002 ARCHER STREET ALVISO, CA 95002		9. US EPA ID Number CAL000161743	10. Facility's Phone (510) 476-1740		
	11. Waste Shipping Name and Description a. Non-Hazardous waste		12. Containers No. 629 Type TI	13. Total Quantity 4000	14. Unit Wt/Vol G	
	15. Special Handling Instructions and Additional Information Wear PPE Emergency Contact (510) 476-1740 Attn: Kirk Hayward		Handling Codes for Wastes Listed Above 11a. 11b.			
16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to state or federal regulations for reporting proper disposal of Hazardous Waste.						
Printed/Typed Name <i>Anthony Cheser</i>		Signature <i>[Signature]</i>		Month 3	Day 1	
17. Transporter Acknowledgement of Receipt of Materials		Printed/Typed Name <i>Anthony Carmona</i>		Signature <i>[Signature]</i>		
18. Discrepancy Indication Space.		Month 3		Day 1	Year 10	
FACILITY	19. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 18.					
	Printed/Typed Name Charles Seaton		Signature <i>[Signature]</i>		Month 3	
				Day 1	Year 10	

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. _____
 2. Page 1 of 4
 3. Document Number 8091

GENERATOR

4. Generator's Name and Mailing Address
 Turlock Irrigation
 PO BOX 949
 Turlock, CA 95381
 Generator's Phone 209-883-8200

600 S. Washington
 Turlock, CA

5. Transporter Company Name CLEARWATER ENVIRONMENTAL
 6. US EPA ID Number CAR000007013

7. Transporter Phone (510) 476-1740

8. Designated Facility Name and Site Address
 ALVISO INDEPENDENT OIL
 5002 ARCHER STREET
 ALVISO, CA 95002
 9. US EPA ID Number CAL000161743

10. Facility's Phone (510) 476-1740

11. Waste Shipping Name and Description
 a. Non-Hazardous waste

12. Containers		13. Total Quantity	14. Unit Wt/Vol
No.	Type		
601	TT	3000	G
b.			

15. Special Handling Instructions and Additional Information
 Wear PPE
 Emergency Contact (510) 476-1740
 Attn: Kirk Hayward

Handling Codes for Wastes Listed Above	
11a.	11b.

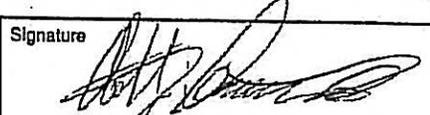
16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to state or federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name
 Anthony Chavez

Signature

 Month Day Year
 2 26 10

17. Transporter Acknowledgement of Receipt of Materials
 Printed/Typed Name
 Anthony Chavez

Signature

 Month Day Year
 2 26 10

18. Discrepancy Indication Space

19. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 18.
 Printed/Typed Name
 Charles Sauton

Signature

 Month Day Year
 3 1 10

FACILITY

APPENDIX G

Soils & Water-10 ZLD Status Report



TO: GEORGE DAVIES
FROM: KURT LIND
SUBJECT: WEC ZLD 2009 PLANT ISSUES
DATE: 4/29/2010
CC: MIKE MOON, CHARLES CANALES

Listed below is a brief description of the ZLD issues we have encountered over the last year. If you have any questions or concerns, please let me know.

April 2009 – March 2010 ZLD Issues

April 2009

- Replaced Vapor Compressor A due to lobe rub and bearing failure. Determined to be covered under warranty through OEM.
- Repaired sulfuric acid injector to Decarbonator causing leak into GAD sump and low pH alarms. Replaced injector and gaskets.
- Crystallizer A Forced Circulation Heat Exchanger inlet gasket failure causing shutdown of Crystallizer. Drained unit and repaired with gasket plugs until replacement at May plant outage.
- Crystallizer B loading valve HV-7556 controller failure causing Crystallizer to shut down. Repaired valve by cleaning air orifice for feedback signal.

May 2009

- Replaced RO membrane in HERO Stage 2-Unit #1 due to excessive fouling and low feed flow.
- Crystallizer A Forced Circulation Heat Exchanger inlet gasket repaired with new gasket.
- Replaced chevron plates in Crystallizer A and B flash tanks due to fouling – plant outage project.

- Rebuilt Crystallizer Belt Press with new air bags, air ram, 3-way feed valves due to excessive wear and corrosion – plant outage project.
- Performed “Hydroblast” (high pressure) cleaning of Forced Circulation Heat Exchangers for Crystallizer A and B due to excessive scaling and lack of heat transfer – plant outage project.

June 2009

- Replaced RO membrane in HERO Stage 2-Unit #2 due to excessive fouling and low feed flow.

July 2009

- Repaired sulfuric acid injector tee to brine waste system. The acid injection system was isolated and purged to the brine waste system into the Crystallizers. The acid and brine systems were both isolated, drained, and welding repair made to the tee fitting.
- Crystallizer A distillate system had gasket leak post Heat Exchangers at control valve flange. Crystallizer A was shut down to make gasket replacement to system.
- Belt press vent line hose found leaking. Shut down belt press and replaced vent line with new high temperature hose.
- Bearing failure on HERO Stage 2-Unit #1 booster pump PP-018. Mechanical seal was found leaking and caused corrosion / bearing failure. Replaced mechanical seal, o-rings, bearing frame and pump bearings.
- Sulfuric Acid injector gasket leak at Decarbonator inlet. Water treatment plant was shut down to make gasket replacement to system. Purged and flushed acid system. Replaced with PTFE gaskets.

August 2009

- Replaced RO membrane in HERO Stage 2-Unit #1 due to excessive fouling and low feed flow.

September 2009

- Performed “Hydroblast” (high pressure) cleaning of Forced Circulation Heat Exchangers for Crystallizer A and B due to excessive scaling and lack of heat transfer.
- Crystallizer and water treatment plants trip and shut down due to plant wide power outage. SCADA system remained operational with backup power. All systems walked down and checked prior to restart. All systems restarted successfully without issue. Power outage caused by lightening strike.

October 2009

- Brine Waste Heat Exchangers to Crystallizers A and B fouled and plugged due to pH probe failure at acid injection control skid. Replaced pH probe and heat exchangers. Heat exchangers were evaluated for integrity and cleaned. Approximately 8 titanium plates from each plate pack were replaced due to integrity issues and pitting from chemical attack. Plate packs were 4 years in operation.
- Removed and replaced Blowdown Filter Units (BFU – multimedia system) with Microfiltration Units to remove submicron particulate from blowdown water and to lessen fouling on reverse osmosis systems – plant outage project.
- Vapor Compressor A outlet expansion joint failed at flange seam. Replaced during plant outage.

November 2009

- Performed “Hydroblast” (high pressure) cleaning of Forced Circulation Heat Exchangers for Crystallizer A and B due to excessive scaling and lack of heat transfer – plant outage project.
- Replaced Back Pressure Regulator for sulfuric acid injection system to Decarbonator tower due to excessive corrosion and leaking. Replaced with PVC version – plant outage project.
- Replaced Sodium Zeolite resin in NAZ Vessel #1 due to resin fouling. Old resin sent for cleaning and regeneration – plant outage project.

December 2009

- Replaced Vapor Compressor 'A' and 'B' distillate hoses and drain hoses with stainless steel tubing due to excessive corrosion and leakage.

January 2010

- Replaced Sodium Zeolite resin in NAZ Vessel #2 due to resin fouling. Old resin sent for cleaning and regeneration.
- Replaced RO membrane in HERO Stage 2-Unit #1 due to excessive fouling and low feed flow.

February 2010

- Replaced RO membrane in HERO Stage 2-Unit #2 due to excessive fouling and low feed flow.

March 2010

- Performed "Hydroblast" (high pressure) cleaning of Forced Circulation Heat Exchanger for Crystallizer A due to excessive scaling and lack of heat transfer.
- Replaced RO membrane in HERO Stage 1-Unit #1 due to excessive fouling and low feed flow.
- Replaced Brine Pump plate stack due to seal failure.

**Total Volume WEC Waste Water Stored On-Site During
April 2009 – March 2010 Reporting Period**

Month	Volume (gallons)
April 2009	164,400
May 2009	44,000
June 2009	79,600
July 2009	92,200
August 2009	118,000
September 2009	116,800
October 2009	82,000
November 2009	58,400
December 2009	61,200
January 2010	62,800
February 2010	32,000
March 2010	55,200

**Volume of Salt Cake Generated During
April 2009 – March 2010 Report Period**

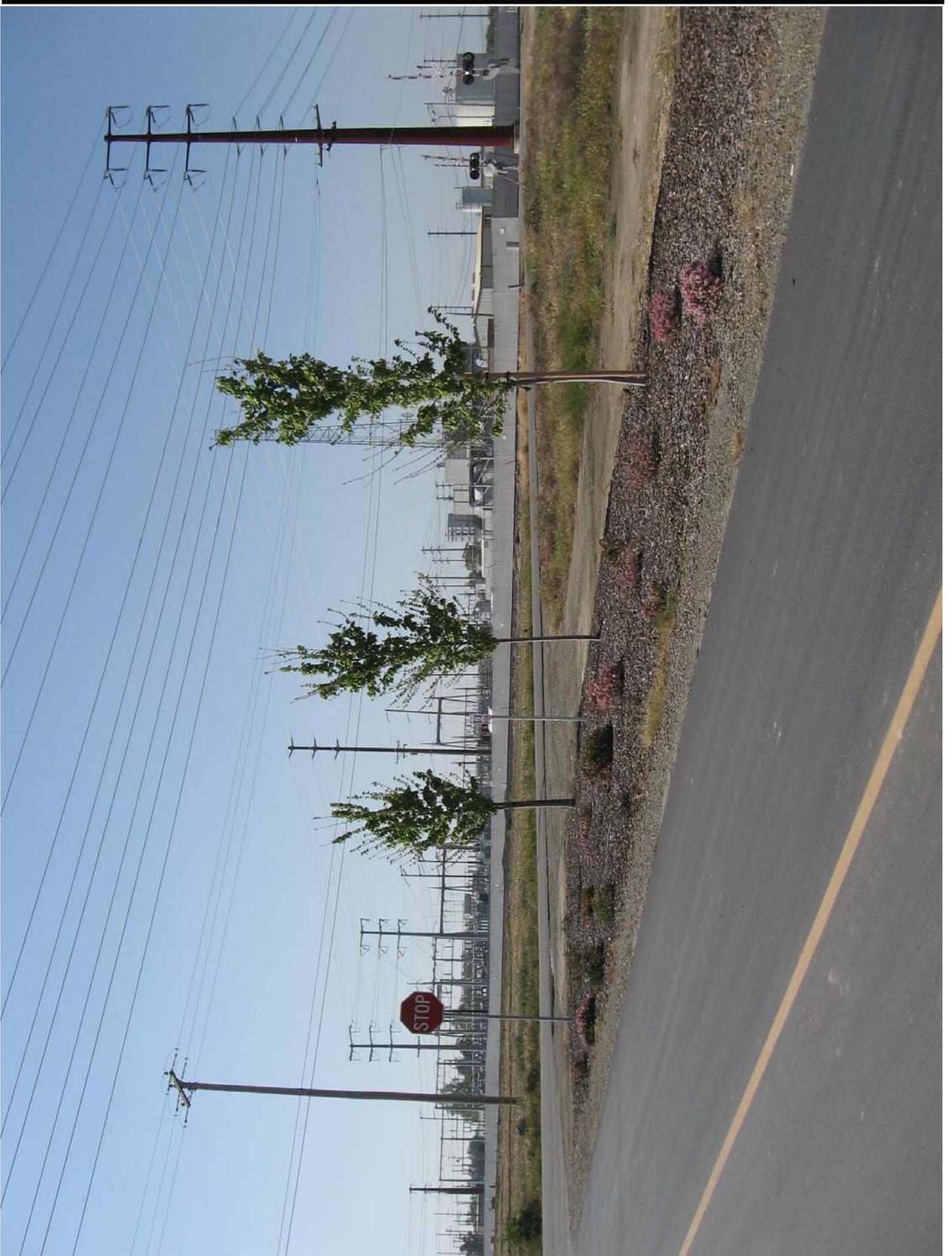
Month	Volume (tons)
April 2009	122.12
May 2009	110.91
June 2009	168.02
July 2009	152.01
August 2009	105.45
September 2009	146.91
October 2009	155.35
November 2009	30.55
December 2009	160.55
January 2010	145.53
February 2010	113.74
March 2010	170.06

APPENDIX H

VIS-5 Landscape Photos







APPENDIX I

**VIS-6 Written Certification on
Cooling Tower Operations**



April 26, 2010

Ms. Angelique Juarez-Garcia
Compliance Project Manager
California Energy Commission
1516 Ninth Street, (MS 2000)
Sacramento, CA 95814

Subject: **CONDITION OF CERTIFICATION VIS-6, WRITTEN CERTIFICATION
REGARDING OPERATIONS OF WEC COOLING TOWER**

Dear Ms. Juarez-Garcia,

Condition of Certification VIS-6 requires that a written certification for operation of the cooling tower be provided in the Annual Compliance Report. The certification is to demonstrate that the cooling tower has consistently been operated within design parameters specified in VIS-6, except as necessary to prevent damage to the cooling tower.

This is to certify that no changes have been made to the cooling tower design which would preclude the cooling tower from operating within the original design parameters.

Please do not hesitate to call me at (209) 883-3451 if you have any questions or comments.

Respectfully,

George A. Davies IV
Combustion Turbine Department Manager

cc: Dan Welch, Sierra Research
Susan Stachan, Strachan Consulting
File



APPENDIX J

Filings Made to Other Governmental Agencies

APPENDIX J
FILINGS MADE TO OTHER GOVERNMENTAL AGENCIES

DATE	SUBJECT	AGENCY	FACILITY NAME
April 13, 2009	Quarterly CEMS Report	SJVAPCD	Walnut Energy Center
April 13, 2009	Quarterly CEMS Report	SJVAPCD	Walnut Energy Center
May 11, 2009	Breakdown Relief Rescind Request	SJVAPCD	Walnut Energy Center
June 16, 2009	Source Emissions Testing Notice	SJVAPCD	Walnut Energy Center
June 16, 2009	Source Emissions Testing Notice	USEPA	Walnut Energy Center
July 24, 2009	Quarterly CEMS Report	SJVAPCD	Walnut Energy Center
July 24, 2009	Quarterly CEMS Report	SJVAPCD	Walnut Energy Center
August 7, 2009	Walnut Energy Center (Facility ID N-7172) Title V Initial Permit - Submittal of Title V Compliance Plan	SJVAPCD	Walnut Energy Center
August 10, 2009	Short-Term Excursion Relief Request	SJVAPCD	Walnut Energy Center
September 29, 2009	HAZARDOUS MATERIALS BUSINESS PLAN INVENTORY FORMS	Stanislaus County Department of Environmental Resources	Walnut Energy Center
October 6, 2009	Walnut Energy Center N-7172-1-2 2009 Annual Compliance Source Test Report	SJVAPCD	Walnut Energy Center
October 6, 2009	Walnut Energy Center ORIS Code: 56078 2009 Annual Compliance Source Test Report N-7172-1-2	USEPA	Walnut Energy Center
October 6, 2009	Walnut Energy Center N-7172-2-2 2009 Annual Compliance Source Test Report	SJVAPCD	Walnut Energy Center
October 6, 2009	Walnut Energy Center ORIS Code: 56078 2009 Annual Compliance Source Test Report N-7172-2-2	USEPA	Walnut Energy Center
October 15, 2009	Quarterly CEMS Report	SJVAPCD	Walnut Energy Center
October 15, 2009	Quarterly CEMS Report	SJVAPCD	Walnut Energy Center
November 30, 2009	2009 Verification Questionnaire - FINAL NOTICE	Cal/EPA	Walnut Energy Center
December 16, 2009	HAZARDOUS MATERIALS BUSINESS PLAN INVENTORY FORMS	Stanislaus County Department of Environmental Resources	Walnut Energy Center
January 13, 2010	Quarterly CEMS Report	SJVAPCD	Walnut Energy Center
January 13, 2010	Quarterly CEMS Report	SJVAPCD	Walnut Energy Center
January 25, 2010	Notice of Significant Title V Permit Modification District Facility # N-2246/7172 Project # N-1062413/1050995	SJVAPCD	Walnut Energy Center
February 5, 2010	Title V Report of Required Monitoring	SJVAPCD	Walnut Energy Center

APPENDIX K

**Scheduled Compliance Activities for
April 2010 - March 2011 Reporting Period**

**WALNUT ENERGY CENTER
REGULATORY COMPLIANCE SCHEDULE**

Report Description	2010									2011		
	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
APCD, Quarterly CEMs Report	30-Apr			30-Jul			30-Oct			30-Jan		
APCD, Annual Emissions Inventory		30-May										
Title V, Report of Required Monitoring											2-Mar	
Title V, Annual Compliance Certification					30-Aug							
Title IV, Monitoring Plan Update										30-Jan		
Title V, Quarterly EDR Submittal	30-Apr			30-Jul			30-Oct			30-Jan		
Title IV, Annual Compliance Certification											28-Feb	
Title IV, Allowance Transfer Deadline											28-Feb	
Quarterly CO CGA & O ₂ Linearity			30-Jun			30-Sep			31-Dec			30-Mar
Quarterly Fuel Gas Analysis	30-Apr			30-Jul			30-Oct			30-Jan		
Quarterly Cooling Tower TDS Analysis	30-Apr			30-Jul			30-Oct			30-Jan		
Notify APCD of Annual Source Test Schedule and Protocols			30-Jun									
Schedule Annual Emissions Source Test				17-Jul								
Annual Emissions Source Test					16-Aug							
Annual RATA					16-Aug							
Source Test Report Due to APCD							16-Oct					
California Energy Commission, Quarterly Operational Report	30-Apr			30-Jul			30-Oct			30-Jan		
California Energy Commission, Annual Operational Report	30-Apr											

APPENDIX L

NOVs and TID Responses

NONE