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April 30, 2008

Mr. Ron Yasny  
Compliance Project Manager  
California Energy Commission  
1516 9<sup>th</sup> Street (MS-2000)  
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**SUBJECT: WALNUT ENERGY CENTER AUTHORITY (WECA)  
WALNUT ENERGY CENTER (WEC) (02-AFC-4C)  
CONDITION COM-7: WEC ANNUAL COMPLIANCE REPORT  
REPORTING PERIOD: APRIL 2007 THROUGH MARCH 2008**

Dear Mr. Yasny:

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

Mr. Yasny

-2-

April 30, 2008

Should you have any questions regarding this report, please free to contact me at 209-883-8232.

Sincerely,

Randy Baysinger  
Assistant General Manager – Power Supply

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 30, 2008**

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## **SECTION 1.0 INTRODUCTION**

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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**

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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 2007 through March 2008.

### **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 2007 - March 2008 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. Included in Appendix C is the Designated Biologist's report.

The Turlock Irrigation District on the behalf of the WEC submitted a request to the CEC for relief from this requirement 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 2007 - March 2008 reporting period, the Storm Water Basin was ripped to enhance percolation. Included in Appendix E is the technical memo from Dr. Geof Spaulding describing the paleontological monitoring during the ripping of the percolation pond. The open drainage ditch 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. No service was required on the water meters during this reporting period.

The project ended the use of its bridge supply from the City in May 2007. The project's cooling water and ZLD system are now operating on Recycled water, and the project is in the process of installing the systems required to use Recycled water for landscaping. One unanticipated issue was the requirement to install a "Booster" pump to provide adequate pressure for water delivery. District personnel are proceeding with the design and installation of the pump and associated systems, and expects to have the system fully operational by July 30, 2008.

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.

### **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 three (3) times during the reporting period. The dates and gallons removed are listed below:

- \* May 23, 2007 -- 4,100
- \* November 13, 2007 -- 5,000
- \* December 14, 2007 --3,800

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.

Operation of the WEC ZLD system, now on reclaimed water over the past year, has been difficult. Much effort continues to be spent getting the system to operate as intended. A monthly summary of the operation of the ZLD system is included in Appendix G.

When the system was not working adequately, the wastewater was stored in the on-site waste tank and a temporary bunker tank. The storage of this water enabled the WEC to continue operating while the ZLD system was down or operating below intended capacity. The stored wastewater was hauled off-site for disposal because the ZLD system could not process the stored wastewater along with the wastewater generated by the plant once the ZLD system was operating. The wastewater was transported offsite by Clearwater Environmental and disposed of at an East Bay MUD wastewater treatment facility. The volume of wastewater stored on-site and subsequently transported off-site for disposal during this reporting period is listed in Appendix G.

The ZLD system is now operating closer to design and the WECA expects the volume of wastewater required to be disposed of off-site during the next reporting period to be similar. 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	LAB FLOOR EPOXY COATING. REPAIR SUMP COATING IN WATER TREATMENT ACID CONTAINMENT STEAM SYSTEM PIPING PVC PIPING WATER TREATMENT FOR UV PROTECTION STEAM DRAINS SYSTEM PIPING UNIT 1 CO2 TANK (FOR RADIANT THERMAL PROTECTION)
JUNE	AMMONIA STORAGE TANK, VALVES, AND FITTINGS STEAM SYSTEM PIPING AND BRACKETS	JULY	NONE
AUGUST	NONE	SEPTEMBER	NONE
OCTOBER	HP TURBINE STEAM VENT PIPE	NOVEMBER	NONE
DECEMBER	NONE	JANUARY	NONE
FEBRUARY	NONE	MARCH	ELASTOMERIC ROOF COATING ON UNIT 1 GENERATOR BREAKER (FAULTY OE COATING) WATER TREATMENT CRYSTALIZER TOWERS AND PUMP SKIDS WELL PUMP NO 1 DISCHARGE PIPE.

**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 2008 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.

Amendment 6 is requesting the replacement of the Backwash Tank. The Walnut Energy Center (WEC) was permitted with an 18,000 gallon, 12' diameter by 20' high backwash holding tank. The Walnut Energy Center Authority (WECA) would like to replace this tank with a 24,000 gallon, 12' diameter by 30' high tank. The backwash tank is part of the plant's zero liquid discharge (ZLD) system. The larger sized tank is needed to make the ZLD system operate more effectively and to address changes to the system resulting from the plant's use of recycled water. Approval was granted on April 7, 2008 as an "Insignificant Project Change."

### **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 SO<sub>2</sub> 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, 2008 by George Davies, IV., Combustion Turbine Department Manager. Except for updating phone numbers contained in the plan, 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 was only one (1) Notice of Violation issued by the San Joaquin Valley Air Pollution Control District during the reporting period. The emission exceedances which resulted from this violation was documented in the Quarterly Compliance Report 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.

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**APPENDIX A**

**Compliance Matrix**

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

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	09/12/07 09/24/07 11/30/07 03/19/08 4/23/2008	Application to modify ATC Condition 28: CO concentration Application to implement ATCs Notice of New ATCs New ATC comparison to old ATC, and Air Quality COC Request to Retract Application to Modify ATC Condition 28
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	7/27/06 10/27/06 1/29/07 4/30/07 7/30/07 10/30/07 1/30/08 4/30/08	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		
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	7/27/06 10/27/06 1/29/07 4/30/07 7/30/07 10/30/07 1/30/08 4/30/08	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	7/27/06 10/27/06 1/29/07 4/30/07 7/30/07 10/30/07 1/30/08 4/30/08	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]	The project owner shall make the site available for inspection of measuring equipment for fuel flow rate, NOx and CO emission rates, ammonia injection rate, and exhaust gas temperature, and the associated records by representatives of the District, CARB and the Commission.	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	7/27/06 10/27/06 1/29/07 4/30/07 7/30/07 10/30/07 1/30/08 4/30/08	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	7/27/06 10/27/06 1/29/07 4/30/07 7/30/07 10/30/07 1/30/08 4/30/08	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	7/27/06 10/27/06 1/29/07 4/30/07 7/30/07 10/30/07 1/30/08 4/30/08	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**

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	7/27/06 10/27/06 1/29/07 4/30/07 7/30/07 10/30/07 1/30/08 4/30/08	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	7/27/06 10/27/06 1/29/07 4/30/07 7/30/07 10/30/07 1/30/08 4/30/08	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	7/27/06 10/27/06 1/29/07 4/30/07 7/30/07 10/30/07 1/30/08 4/30/08	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	7/27/06 10/27/06 1/29/07 4/30/07 7/30/07 10/30/07 1/30/08 4/30/08	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	7/27/06 10/27/06 1/29/07 4/30/07 7/30/07 10/30/07 1/30/08 4/30/08	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	7/27/06 10/27/06 1/29/07 4/30/07 7/30/07 10/30/07 1/30/08 4/30/08	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	7/27/06 10/27/06 1/29/07 4/30/07 7/30/07 10/30/07 1/30/08 4/30/08	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.
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	7/27/06 10/27/06 1/29/07 4/30/07 7/30/07 10/30/07 1/30/08 4/30/08	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	7/27/06 10/27/06 1/29/07 4/30/07 7/30/07 10/30/07 1/30/08 4/30/08	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	7/27/06 10/27/06 1/29/07 4/30/07 7/30/07 10/30/07 1/30/08 4/30/08	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**

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	7/27/06 10/27/06 1/29/07 4/30/07 7/30/07 10/30/07 1/30/08 4/30/08	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	7/27/06 10/27/06 1/29/07 4/30/07 7/30/07 10/30/07 1/30/08 4/30/08	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	7/27/06 10/27/06 1/29/07 4/30/07 7/30/07 10/30/07 1/30/08 4/30/08	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	7/27/06 10/27/06 1/29/07 4/30/07 7/30/07 10/30/07 1/30/08 4/30/08	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	7/27/06 10/27/06 1/29/07 4/30/07 7/30/07 10/30/07 1/30/08 4/30/08	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	7/27/06 10/27/06 1/29/07 4/30/07 7/30/07 10/30/07 1/30/08 4/30/08	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	7/27/06 10/27/06 1/29/07 4/30/07 7/30/07 10/30/07 1/30/08 4/30/08	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	7/27/06 10/27/06 1/29/07 4/30/07 7/30/07 10/30/07 1/30/08 4/30/08	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	7/27/06 10/27/06 1/29/07 4/30/07 7/30/07 10/30/07 1/30/08 4/30/08	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	7/27/06 10/27/06 1/29/07 4/30/07 7/30/07 10/30/07 1/30/08 4/30/08	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	7/27/06 10/27/06 1/29/07 4/30/07 7/30/07 10/30/07 1/30/08 4/30/08	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	7/27/06 10/27/06 1/29/07 4/30/07 7/30/07 10/30/07 1/30/08 4/30/08	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	7/27/06 10/27/06 1/29/07 4/30/07 7/30/07 10/30/07 1/30/08 4/30/08	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 1081]	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	1/4/07 1/22/07 06/12/07 07/13/07 07/31/07 08/14/07	Source test protocol and schedule submitted to SJVAPCD on 1/4/07. SJVAPCD approval. Request change to Annual Source Test Date. Source Test Notice & Protocol submitted. Source Test Schedule submitted. Source Test Protocol approval

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**

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 1-2-48 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	1/4/07 1/22/07 06/12/07 07/13/07 07/31/07 08/14/07	Source test protocol and schedule submitted to SJVAPCD on 1/4/07. SJVAPCD approval. Request change to Annual Source Test Date. Source Test Notice & 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	1/4/07 1/22/07 06/12/07 07/13/07 07/31/07 08/14/07	Source test protocol and schedule submitted to SJVAPCD on 1/4/07. SJVAPCD approval. Request change to Annual Source Test Date. Source Test Notice & Protocol submitted. Source Test Schedule submitted. Source Test Protocol approval.
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	1/4/07 1/22/07 06/12/07 07/13/07 07/31/07 08/14/07	Source test protocol and schedule submitted to SJVAPCD on 1/4/07. SJVAPCD approval. Request change to Annual Source Test Date. Source Test Notice & Protocol submitted. Source Test Schedule submitted. Source Test Protocol approval.
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	1/4/07 1/22/07 06/12/07 07/13/07 07/31/07 08/14/07	Source test protocol and schedule submitted to SJVAPCD on 1/4/07. SJVAPCD approval. Request change to Annual Source Test Date. Source Test Notice & Protocol submitted. Source Test Schedule submitted. Source Test Protocol approval.
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	1/4/07 1/22/07 06/12/07 07/13/07 07/31/07 08/14/07	Source test protocol and schedule submitted to SJVAPCD on 1/4/07. SJVAPCD approval. Request change to Annual Source Test Date. Source Test Notice & Protocol submitted. Source Test Schedule submitted. Source Test Protocol approval.
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	1/4/07 1/22/07 06/12/07 07/13/07 07/31/07 08/14/07	Source test protocol and schedule submitted to SJVAPCD on 1/4/07. SJVAPCD approval. Request change to Annual Source Test Date. Source Test Notice & 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	1/4/07 1/22/07 06/12/07 07/13/07 07/31/07 08/14/07	Source test protocol and schedule submitted to SJVAPCD on 1/4/07. SJVAPCD approval. Request change to Annual Source Test Date. Source Test Notice & 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	1/4/07 1/22/07 06/12/07 07/13/07 07/31/07 08/14/07	Source test protocol and schedule submitted to SJVAPCD on 1/4/07. SJVAPCD approval. Request change to Annual Source Test Date. Source Test Notice & 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	1/4/07 1/22/07 06/12/07 07/13/07 07/31/07 08/14/07	Source test protocol and schedule submitted to SJVAPCD on 1/4/07. SJVAPCD approval. Request change to Annual Source Test Date. Source Test Notice & Protocol submitted. Source Test Schedule submitted. Source Test Protocol approval.

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turbine N-7172-1-2 = SJ 1-2  
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**Walnut Energy Center  
CEC Compliance Matrix--Annual Compliance Report**

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 1-2-54 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	1/4/07 1/22/07 06/12/07 07/13/07 07/31/07 08/14/07	Source test protocol and schedule submitted to SJVAPCD on 1/4/07. SJVAPCD approval. Request change to Annual Source Test Date Source Test Notice & 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	1/4/07 1/22/07 06/12/07 07/13/07 07/31/07 08/14/07	Source test protocol and schedule submitted to SJVAPCD on 1/4/07. SJVAPCD approval. Request change to Annual Source Test Date Source Test Notice & 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	1/4/07 1/22/07 06/12/07 07/13/07 07/31/07 08/14/07	Source test protocol and schedule submitted to SJVAPCD on 1/4/07. SJVAPCD approval. Request change to Annual Source Test Date Source Test Notice & Protocol submitted. Source Test Schedule submitted. Source Test Protocol approval
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	7/27/06 10/27/06 1/29/07 4/30/07 7/30/07 10/30/07 1/30/08 4/30/08	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	7/27/06 10/27/06 1/29/07 4/30/07 7/30/07 10/30/07 1/30/08 4/30/08	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		

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**

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 1-2-66 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	7/27/06 10/27/06 1/29/07 4/30/07 7/30/07 10/30/07 1/30/08 4/30/08	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	7/27/06 10/27/06 1/29/07 4/30/07 7/30/07 10/30/07 1/30/08 4/30/08	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	7/27/06 10/27/06 1/29/07 4/30/07 7/30/07 10/30/07 1/30/08 4/30/08	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	7/27/06 10/27/06 1/29/07 4/30/07 7/30/07 10/30/07 1/30/08 4/30/08	Quarterly Operational Report (AQ-C7).
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	5/30/2006 09/04/07 02/22/08	
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	7/27/06 10/27/06 1/29/07 4/30/07 7/30/07 10/30/07 1/30/08 4/30/08	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	7/27/06 10/27/06 1/29/07 4/30/07 7/30/07 10/30/07 1/30/08 4/30/08	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	7/27/06 10/27/06 1/29/07 4/30/07 7/30/07 10/30/07 1/30/08 4/30/08	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	7/27/06 10/27/06 1/29/07 4/30/07 7/30/07 10/30/07 1/30/08 4/30/08	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		The records shall be made available for District inspection upon request for a period of five years.

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**

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 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.	Ongoing	1/4/07 1/22/07 06/12/07 07/13/07 07/31/07 08/14/07	Source test protocol and schedule submitted to SJVAPCD on 1/4/07. SJVAPCD approval. Request change to Annual Source Test Date. Source Test Notice & Protocol submitted. Source Test Schedule submitted. Source Test Protocol approval
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	7/27/06 10/27/06 1/29/07 4/30/07 7/30/07 10/30/07 1/30/08 4/30/08	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	1/4/07 1/22/07 06/12/07 07/13/07 07/31/07 08/14/07	Source test protocol and schedule submitted to SJVAPCD on 1/4/07. SJVAPCD approval. Request change to Annual Source Test Date. Source Test Notice & Protocol submitted. Source Test Schedule submitted. Source Test Protocol approval
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	7/27/06 10/27/06 1/29/07 4/30/07 7/30/07 10/30/07 1/30/08 4/30/08	Quarterly Operational Report (AQ-C7).
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 4/30/08 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	7/27/06 10/27/06 1/29/07 4/30/07 7/30/07 10/30/07 1/30/08 4/30/08	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	7/27/06 10/27/06 1/29/07 4/30/07 7/30/07 10/30/07 1/30/08 4/30/08	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	7/27/06 10/27/06 1/29/07 4/30/07 7/30/07 10/30/07 1/30/08 4/30/08	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	7/27/06 10/27/06 1/29/07 4/30/07 7/30/07 10/30/07 1/30/08 4/30/08	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	7/27/06 10/27/06 1/29/07 4/30/07 7/30/07 10/30/07 1/30/08 4/30/08	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	7/27/06 10/27/06 1/29/07 4/30/07 7/30/07 10/30/07 1/30/08 4/30/08	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**

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	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	7/27/06 10/27/06 1/29/07 4/30/07 7/30/07 10/30/07 1/30/08 4/30/08	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	Report included in ACR #1 Request Relief From Verification Language Requirement
	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 construction 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	ACR #1 was submitted. ACR #2 was submitted.
	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	04/30/07 04/30/08	The CPM may require revisions to the contingency plan over the live of the project. Annual review of the plan was conducted. The results were 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	7/25/2005 5/31/06 4/30/06 09/04/07 02/22/08	Modifications to hazmat list submitted.
	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	04/30/07 04/30/08	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	04/30/07 04/30/08	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 <u>potable</u> water, notify the CPM in writing within 24 hours.	Ongoing		Backup water is from ground water not potable water.

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

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
	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	04/30/07 04/30/08	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	04/30/07 04/30/08	Addressed in ACR
	SOIL & WATER-010 (part 2 of 2)	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	04/30/07 04/30/08	Addressed in ACR
	TLSN-003 (part 2 of 2)	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	04/30/07 04/30/08	Addressed in ACR
	VIS-002 (part 2 of 2)	Ops	Painting Maintenance	3) The project owner shall provide a status report regarding treatment maintenance in the Annual Compliance Report.	Ongoing	6/29/06 07/26/06 4/30/07 04/30/08	The inspection occurred on 6/26/06. CEC approval was provided via email from Lance Shaw on 7/26/06. Status report provided in ACR.
	VIS-004 (part 2 of 2)	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	04/30/07 04/30/08	Addressed in ACR
	VIS-005 (part 2 of 2)	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	04/30/07 04/30/08	Addressed in ACR
	VIS-006 (part 2 of 2)	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	04/30/07 04/30/08	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	04/30/07 04/30/08	Addressed in ACR

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

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**APPENDIX B**

**Plant Operating Summary**

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WALNUT ENERGY CENTER  
ANNUAL OPERATING REPORT  
2007 -2008

END DATE	GAS TURBINE UNIT 1		GAS TURBINE UNIT 2		STEAM TURBINE UNIT 3	
	SERVICE HOURS	GENERATOR GROSS OUTPUT	SERVICE HOURS	Gen Gross Output	SERVICE HOURS	Gen Gross Output
		KWH		KWH		KWH
4/30/2007	629	39,160,480	621	38,715,116	624	49,937,261
5/31/2007	588	36,707,431	642	39,559,754	637	49,550,565
6/30/2007	627	37,497,052	683	40,869,247	678	52,579,680
7/31/2007	744	43,574,038	730	43,723,081	744	59,390,486
8/31/2007	744	48,092,786	734	49,040,524	744	62,240,819
9/30/2007	661	43,466,077	658	43,140,143	659	55,094,864
10/31/2007	569	36,725,735	563	36,716,902	565	46,475,913
11/30/2007	689	44,341,833	695	44,178,635	691	56,534,715
12/31/2007	707	44,332,195	567	35,811,414	731	51,040,126
1/31/2008	719	49,336,835	720	49,377,712	720	62,129,065
2/29/2008	696	45,165,102	696	44,976,463	696	57,830,856
3/31/2008	744	45,165,102	744	44,976,463	744	57,830,856

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**APPENDIX C**

**BIO-2 Designated Biologist's Report**

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# **Walnut Energy Center**

**Walnut Energy Center Authority**

**Operational Annual Compliance Report,**

**Biological Resources**

**Reporting Period March 2007 - March 2008**

Prepared by - John Cleckler, Designated Biologist

## Worker Environmental Awareness Training Program

The training program was administered to all site personnel during power plant operation by staff designated to administer the training.

## Pre-activity Surveys and Reporting

There were no pre-activities associated with plant operation that required biological resources surveys or reporting during the reporting period.

## Biological Resource Monitoring and Reporting

There were no activities associated with power plant operation that required biological resources monitoring or reporting during the reporting period. Likewise, there were no reports or observations of sensitive biological resources, including trapped or injured wildlife.



**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

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**APPENDIX D**

**Hazardous Materials List**

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**Walnut Energy Center HAZ-1 HAZARDOUS MATERIALS LIST**

Trade Name	Chemical Name	CAS Number	Actual Quantity On-Site per Business Plan (gallons)
76 Turbine Oil XD 32, 46	Lubricant Base Oil	Various	7,000
Anhydrous Ammonia	Anhydrous Ammonia	7664-41-7	10,200
Antifoam (Nalco 7471)	Antifoam	None	400
Antifreeze	Propylene Glycol	57-55-6	55
Boiler Treatment (Nalco 7220)		None	55
Boiler Water Treatment (Nalco BT-3400)	Sodium Hydroxide (1 - 5%)	1310-73-2	400
Chlorine Enhancer, Biodispersant (Nalco ACTI-BROM 7342)	Sodium Bromide (30 - 60%)	7647-15-6	6,000
Chlorine Scavenger (Nalco 7408)	Sodium Bisulfite (30 - 60%)	7631-90-5	400
Closed System Corrosion Inhibitor (Nalco TRAC107)	Sodium Hydroxide (0.1-1.0%)	1310-73-2	110
Cooling Water Dispersant (Nalco 3DT190)	3D Trasar 3DT190	None	1,625
Corrosion Inhibitor (NALCO 3D TRASAR 3DT179)	Phosphinosuccinic Oligomer (PSO)	None	800
Corrosion Inhibitor (Nalco TRI-ACT 1800)	Cyclohexylamine (5 - 10%)	108-91-8	400
	Monoethanolamine (10 - 30%)	141-43-5	
	Methoxypropylamine (10 - 30%)	5332-73-0	
Diesel 2	Oil	None	500
Hydroclear Diamond Class AW Turbine Oil 32	Steam Turbine Generator Lubricant Base Oil	None	6,000
Non-Oxidizing Biocide (Nalco 7330)	5-Chloro-2-Methyl-4-Isothiazolin-3-one (1 - 5%)	26172-55-4	200
	2-Methyl-4-Isothiazolin-3-one (0.1 - 1%)	2682-20-4	
Oxygen Scavenger (Nalco ELIMIN-OX)	Carbohydrazide (5 - 10%)	497-18-7	400
Polymer (Nalco 8105 PLUS)		None	400
Reverse Osmosis Antiscalant (Nalco PermaTreat PC-191)		None	400
Reverse Osmosis Cleaner (Nalco PermaClean PC-77)		None	110
Sodium Chloride	Sodium Chloride	7647-14-5	40,000
Sodium Hydroxide	Sodium Hydroxide (50%)	7647-01-0	6,000
Sodium Hypochlorite (Bleach/Chlorine)	Sodium Hypochlorite Solution (12.5%)	7681-52-9	8,000
Sulfuric Acid	Sulfuric Acid (93.19%)	7664-93-9	12,000
Transformer Oil, Hyvolt II	Severely Hydrotreated Light Naphthenic Oil (>99.7%)	64742-53-6	5,000
Transformer Oil, Type I	Severely Hydrotreated Heavy Naphthenic Oil (99.7%)	64742-53-6	41,406
	Hindered Phenol Type Inhibitor (0.3%)	128-39-2	

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**APPENDIX E**

**Soils & Water-7 Water Monitoring Tables**

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APPENDIX E  
SOILS&WATER-7 WATER MONITORING TABLES

Water Usage at TID WEC April 2007 through March 2008 Source: Groundwater													
	Apr.	May	June	Jul.	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar	Total
Average monthly Gallons	15,184,660	5,072,220	3,714,350	1,795,650	331,490	466,740	458,130	67,940	3,944,420	7,673,610	10,890,620	6,763,360	56,363,190
Monthly Average GPM	351.50	113.63	85.98	N/A	7.43	10.80	10.26	1.57	88.36	171.90	270.10	151.51	
Acre-feet per month	4.66	1.56	1.14	0.00	0.10	0.14	0.14	0.02	1.21	2.35	3.34	2.08	16.74
Annual average (acre-feet)													1.29
Annual Range (acre-feet)													4.66
Historical Monthly Range--gpm	351.50	113.63	85.98	N/A	7.43	10.80	10.26	1.57	88.36	171.90	270.10	151.51	
Historical Mo. Range--Acre-feet	4.66	1.56	1.14	0.00	0.10	0.14	0.14	0.02	1.21	2.35	3.34	2.08	16.74

Note: For Row 2, Gallons per month divided by total minutes per month.  
ACRE-FEET = 3.2808 x 10<sup>6</sup>

Uses of groundwater were:      Backup: Cooling Tower Makeup

Water Usage at TID WEC April 2007 through March 2008 Source: Potable Water													
	Apr.	May	June	Jul.	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Total
Average monthly Gallons	50,645	184,994	73,855	14,345	25,606	45,166	52,523	35,325	156,740	74,090	21,166	17,626	752,081
Monthly Average GPM	1.17	4.14	1.71	N/A	0.57	1.05	1.18	0.82	3.51	1.66	0.52	0.39	
Acre-feet per month	0.02	0.06	0.02	0.00	0.01	0.01	0.02	0.01	0.05	0.02	0.01	0.01	0.23
Annual average (acre-feet)													0.02
Annual Range (acre-feet)													0.06
Historical Monthly Range--gpm	1.17	4.14	1.71	N/A	0.57	1.05	1.18	0.82	3.51	1.66	0.52	0.39	
Historical Mo. Range--Acre-feet	0.02	0.06	0.02	0.00	0.01	0.01	0.02	0.01	0.05	0.02	0.01	0.01	0.23

Note: For Row 2, Gallons per month divided by total minutes per month.  
ACRE-FEET = 3,259 X 10<sup>6</sup>

Uses of potable 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 Is Down

APPENDIX E  
SOILS&WATER-7 WATER MONITORING TABLES

Water Usage at TID WEC April 2007 through March 2008 Source: Recycled Water													
	Apr.	May	June	Jul.	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Total
Average monthly Gallons	18,060,480	29,463,300	34,033,000	40,750,000	44,719,000	37,189,880	30,053,420	35,722,700	27,278,000	29,513,310	24,822,740	32,091,600	383,697,430
Monthly Average GPM	404.58	682.02	762.39	943.29	N/A	833.11	695.68	800.24	631.44	661.14	556.06	795.92	
Acre-feet per month	5.54	9.04	10.44	12.50	0.00	11.41	9.22	10.96	8.37	9.06	7.62	9.85	104.01
Annual average (acre-feet)													8.00
Annual Range (acre-feet)													12.50
Historical Monthly Range--gpm	404.58	682.02	762.39	943.29	N/A	833.11	695.68	800.24	631.44	661.14	556.06	795.92	
Historical Mo. Range--Acre-feet	5.54	9.04	10.44	12.50	0.00	11.41	9.22	10.96	8.37	9.06	7.62	9.85	104.01

Note: For Row 2, Gallons per month divided by total minutes per month.  
ACREFEET = 3.259 x 10<sup>6</sup>

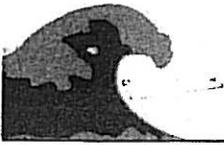
Uses of recycled were: **Cooling Tower Makeup**

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**APPENDIX F**

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

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**CLEARWATER**  
ENVIRONMENTAL MANAGEMENT, INC.

WE ACCEPT VISA & MASTERCARD



**REMIT TO:**

P.O. Box 2407 UNION CITY, CA 94587-2407  
(800) 499-3676 FAX (510) 476-1786  
CAR 000 007 013

P.O. Box 349 SILVER SPRINGS, NV 89429-0349  
(775) 577-9001 FAX (775) 577-9199  
NVD 982 358 483 (800) 471-2105

Bill of Lading

Invoice # **168901**

Date 5/23/07

**BILLING INFORMATION**

**JOB SITE**

NAME <i>Turlock Irrigation District</i>	NAME <i>Turlock Irrigation District</i>	PO# CASH CHECK
ADDRESS <i>P.O. Box 949 ATTN: George Dawson</i>	ADDRESS <i>800 S. Washington St.</i>	CUSTOMER EPA ID # <i>Non Haz</i>
CITY STATE ZIP <i>Turlock CA 95381</i>	CITY STATE ZIP <i>Turlock CA</i>	PROFILE #
PHONE NO. <i>(209) 883-8368</i>	PHONE NO. <i>( )</i>	CUSTOMER ID #

PRODUCT	PROPER SHIPPING DESCRIPTION	WASTE CODE	MANIFEST NUMBER	QUANTITY	UNITS	PRICE	AMOUNT
Used Oil, Non-RCRA Hazardous Waste, Liquid		221					
Used Automotive Antifreeze, Non-RCRA Hazardous Waste, Liquid		134					
Oily Water Non-RCRA Hazardous Waste, Liquid							
Non RCRA Hazardous Waste Solid Oil Contaminated Debris / Soil							
Waste Combustible Liquid nos 3 UN1993, PG III							
Non Hazardous Waste Liquid			<i>4228</i>	<i>4100</i>	<i>G</i>	<i>0.75</i>	<i>3075.00</i>
Non Hazardous Waste Solid							
Transportation Charges				<i>6</i>	<i>lbs</i>	<i>90.00</i>	<i>540.00</i>
Washout Charges							
Drained Used Oil Filters							
Empty Drums							
Additional Labor							
Pressure Washer							
Other <i>Turbine Waste Water</i> ✓							

*John*  
*6/22/07*

<b>DISPOSAL/RECYCLING FACILITY:</b>	Collection Station	Industrial	Agriculture	Government	Marine	<b>TOTAL</b>
-------------------------------------	--------------------	------------	-------------	------------	--------	--------------

<input checked="" type="checkbox"/> Alviso Independent Oil 5002 Archer Street; Alviso, CA CAL 000 161 743; 95002 (510) 476-1740	<input type="checkbox"/> Clearwater Environmental Mgmt. Inc. 2430 Almond Dr. Silver Springs, NV 89429 NVD 982 358 483 (775) 577-9001	<input type="checkbox"/> D/K Environmental 3650 E. 26th Street; Vernon, CA CAT 080 033 681; 90023 (323) 268-5056	<p><b>RECEIVED</b></p> <p>JUN 21 2007</p> <p>T.I.D. COMBUSTION TURBINE DEPARTMENT</p>
<input type="checkbox"/> Onyx Environmental Services 1125 Hensley Street; Richmond, CA CAT 080 014 079; 94801 (510) 233-8001	<input type="checkbox"/> Seaport Environmental 675 Seaport Blvd; Redwood City, CA CAR 000 140 624; 94063 (650) 364-8154	<input type="checkbox"/> Commercial Filter Recycling 33210 Western Ave; Union City, CA (510) 487-9227; 94567	
<input type="checkbox"/> DeMenno Kerdoon 2000 N. Alameda Blvd; Compton, CA CAT 080 013 352; 90222 (310) 537-7100	<input type="checkbox"/> Evergreen Oil 6880 Smith Ave; Newark, CA CAD 980 887 418; 94560 (510) 795-4400	<input type="checkbox"/>	

**\$3615.00**  
NET 10 DAYS

I hereby certify that all information submitted in this and all attached documents contain true and accurate descriptions of the waste. All relevant information regarding known or suspected hazards associated with the wastes has been disclosed. I certify that we have an established program to reduce the volume of waste to the degree to be economically practicable.

DRIVER SIGNATURE *[Signature]*

GENERATOR SIGNATURE *[Signature]* 1126

#168901

<b>NON-HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No.	2. Page 1 of 1	3. Document Number 4228
GENERATOR	4. Generator's Name and Mailing Address Turlock Irrigation District P.O. Box 949 ATTN: George Ronce Turlock CA 95381		7. Transporter Phone (510) 476-1740	
	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, liquid	12. Containers No. Type 001 TT	13. Total Quantity 4100	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 JEFF CARLSON		Signature <i>Jeff Carlson</i>		Month Day Year 5 23 05
17. Transporter Acknowledgement of Receipt of Materials				
Printed/Typed Name Anthony Canaves		Signature <i>Anthony Canaves</i>		Month Day Year 5 23 05
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 Kirk Hayward		Signature <i>Kirk Hayward</i>		Month Day Year 5 23 07
FACILITY				



# CLEARWATER

## ENVIRONMENTAL MANAGEMENT, INC.

WE ACCEPT VISA & MASTERCARD



**REMIT TO:**

P.O. Box 2407 UNION CITY, CA 94587-2407  
 (800) 499-3676 FAX (510) 476-1786  
 CAR 000 007 013

P.O. Box 349 SILVER SPRINGS, NV 89429-0349  
 (775) 577-9001 FAX (775) 577-9199  
 NVD 982 358 483 (800) 471-2105

Bill of Lading

Invoice # **172455**

Date **11/13/07**

**BILLING INFORMATION**

**JOB SITE**

NAME <i>Turlock Irrigation District</i>			NAME <i>Turlock Irrigation District</i>			PO#	CASH	CHECK
ADDRESS <i>P.O. Box 949 ATTN: George Davis</i>			ADDRESS <i>600 S. Washington rd.</i>			CUSTOMER EPA ID # <i>Non-Haz</i>		
CITY <i>Turlock</i>	STATE <i>CA</i>	ZIP <i>95381</i>	CITY <i>Turlock</i>	STATE <i>CA</i>	ZIP <i>95381</i>	PROFILE # <i>Water Wtght Waste</i>		
PHONE NO. <i>(209) 883-8200</i>			PHONE NO. <i>( )</i>			CUSTOMER ID #		

PRODUCT	PROPER SHIPPING DESCRIPTION	WASTE CODE	MANIFEST NUMBER	QUANTITY	UNITS	PRICE	AMOUNT
Used Oil, Non-RCRA Hazardous Waste, Liquid		221					
Used Automotive Antifreeze, Non-RCRA Hazardous Waste, Liquid		134					
Oily Water Non-RCRA Hazardous Waste, Liquid							
Non RCRA Hazardous Waste Solid Oil Contaminated Debris / Soil							
Waste Combustible Liquid nos 3 UN1993, PG III							
Non Hazardous Waste Liquid			<i>4523</i>	<i>5000</i>	<i>G</i>	<i>1.75</i>	<i>3750.00</i>
Non Hazardous Waste Solid							
Transportation Charges				<i>6</i>	<i>hrs</i>	<i>90.00</i>	<i>540.00</i>
Washout Charges							
Drained Used Oil Filters							
Empty Drums							
Additional Labor							
Pressure Washer							
Other:							

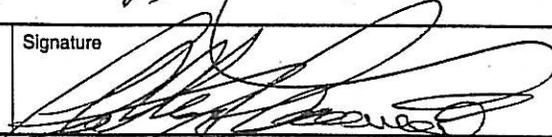
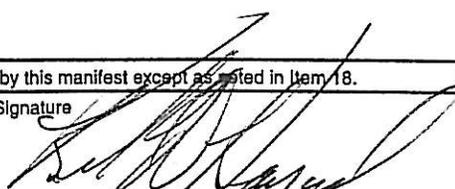
*[Signature]*  
 11/27/07

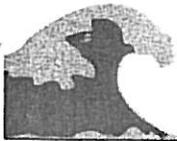
<b>DISPOSAL/RECYCLING FACILITY:</b>	Collection Station	Industrial	Agriculture	Government	Marine	<b>TOTAL</b>	
<input checked="" type="checkbox"/> Alviso Independent Oil 5002 Archer Street; Alviso, CA CAL 000 161 743; 95002 (510) 476-1740	<input type="checkbox"/> Cleanwater Environmental Mgmt. Inc. 2430 Almond Dr. Silver Springs, NV 89429 NVD 982 358 483 (775) 577-9001	<input type="checkbox"/> D/K Environmental 3650 E. 26th Street; Vernon, CA CAT 080 033 681; 90023 (323) 268-5056					<b>\$4290.00</b> NET 10 DAYS
<input type="checkbox"/> Onyx Environmental Services 1125 Hensley Street; Richmond, CA CAT 080 014 079; 94801 (510) 233-8001	<input type="checkbox"/> Seaport Environmental 675 Seaport Blvd; Redwood City, CA CAR 000 140 624; 94063 (650) 364-8154	<input type="checkbox"/> Commercial Filter Recycling 33210 Western Ave; Union City, CA (510) 487-9227; 94587					
<input type="checkbox"/> DeMenno Kerdoon 2000 N. Alameda Blvd; Compton, CA CAT 080 013 352; 90222 (310) 537-7100	<input type="checkbox"/> Evergreen Oil 6880 Smith Ave; Newark, CA CAD 980 887 418; 94560 (510) 795-4400	<input type="checkbox"/>					

I hereby certify that all information submitted on this and all attached documents contain true and accurate descriptions of the waste. All relevant information regarding known or suspected hazards associated with the wastes has been disclosed. I certify that we have an established program to reduce the volume of waste to the degree to be economically practicable.

DRIVER SIGNATURE *[Signature]*

GENERATOR SIGNATURE *[Signature]*

<b>NON-HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No.	2. Page 1 of 1	3. Document Number <b>4523</b>	
GENERATOR	4. Generator's Name and Mailing Address <b>Turlock Irrigation District P.O. Box 949 ATTN: George Davies Turlock CA 95381</b>		Generator's Phone		
	5. Transporter Company Name <b>CLEARWATER ENVIRONMENTAL</b>	6. US EPA ID Number <b>CAR000007013</b>	7. Transporter Phone <b>(510) 476-1740</b>		
	8. Designated Facility Name and Site Address <b>ALVISO INDEPENDENT OIL 5002 ARCHER STREET ALVISO, CA 95002</b>	9. US EPA ID Number <b>CAL000161743</b>	10. Facility's Phone <b>(510) 476-1740</b>		
	11. Waste Shipping Name and Description		12. Containers	13. Total Quantity	14. Unit Wt/Vol
	a. <b>Non-Hazardous waste, liquid</b>		No. <b>001</b>	Type <b>TT</b>	<b>5000</b>
b.					
15. Special Handling Instructions and Additional Information <b>Wear PPE Emergency Contact (510) 476-1740 Attn: Kirk Hayward</b>		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 <b>Frank Carter</b>		Signature 		Month Day Year <b>11 13 07</b>	
17. Transporter Acknowledgement of Receipt of Materials					
Printed/Typed Name <b>Anthony P. Weaver</b>		Signature 		Month Day Year <b>11 13 07</b>	
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 <b>Kevin Simpson</b>		Signature 		Month Day Year <b>11 13 07</b>	



# CLEARWATER

## ENVIRONMENTAL MANAGEMENT, INC.

WE ACCEPT VISA & MASTERCARD



### REMIT TO:

P.O. Box 2407 UNION CITY, CA 94587-2407  
(800) 499-3676 FAX (510) 476-1786  
CAR 000 007 013

P.O. Box 349 SILVER SPRINGS, NV 89429-0349  
(775) 577-9001 FAX (775) 577-9199  
NVD 982 358 483 (800) 471-2105

Bill of Lading

Invoice # 172728

Date 12/14/07

### BILLING INFORMATION

### JOB SITE

NAME <i>Turlock Irrigation District</i>	NAME <i>Turlock Irrigation District</i>	PO# <i>PO61922</i>	CASH	CHECK
ADDRESS <i>P.O. Box 949 ATTN: George Davies</i>	ADDRESS <i>600 S. Washington rd.</i>	CUSTOMER EPA ID #		
CITY <i>Turlock</i>	STATE <i>CA</i>	ZIP <i>95381</i>	PROFILE #	
PHONE NO. <i>(209) 883-8200</i>	PHONE NO. <i>( )</i>	CUSTOMER ID #		

PRODUCT	PROPER SHIPPING DESCRIPTION	WASTE CODE	MANIFEST NUMBER	QUANTITY	UNITS	PRICE	AMOUNT
Used Oil, Non-RCRA Hazardous Waste, Liquid		221					
Used Automotive Antifreeze, Non-RCRA Hazardous Waste, Liquid		134					
Oily Water Non-RCRA Hazardous Waste, Liquid							
Non RCRA Hazardous Waste Solid Oil Contaminated Debris / Soil							
Waste Combustible Liquid nos 3 UN1993, PG III							
Non Hazardous Waste Liquid			<i>4891</i>	<i>3800</i>	<i>G</i>		
Non Hazardous Waste Solid							
Transportation Charges				<i>6</i>	<i>hrs</i>		
Washout Charges							
Drained Used Oil Filters							
Empty Drums							
Additional Labor							
Pressure Washer							
Other:			<i>Turbine water wash waste</i>				

<b>DISPOSAL/RECYCLING FACILITY:</b>	Collection Station	Industrial	Agriculture	Government	Marine	<b>TOTAL</b>		
<input checked="" type="checkbox"/> Alviso Independent Oil 5002 Archer Street; Alviso, CA CAL 080 161 743; 95002 (510) 476-1740	<input type="checkbox"/> Clearwater Environmental Mgmt. Inc. 2430 Almond Dr. Silver Springs, NV 89429 NVD 982 358 483 (775) 577-9001	<input type="checkbox"/> D/K Environmental 3650 E. 26th Street; Vernon, CA CAT 080 033 681; 90023 (323) 268-5056						NET 10 DAYS
<input type="checkbox"/> Onyx Environmental Services 1125 Hensley Street; Richmond, CA CAT 080 014 079; 94801 (510) 233-8001	<input type="checkbox"/> Seaport Environmental 675 Seaport Blvd; Redwood City, CA CAR 000 140 624; 94063 (650) 364-8154	<input type="checkbox"/> Commercial Filter Recycling 33210 Western Ave; Union City, CA (510) 487-9227; 94587						
<input type="checkbox"/> DeMenno Kerdoon 2000 N. Alameda Blvd; Compton, CA CAT 080 013 352; 90222 (310) 537-7100	<input type="checkbox"/> Evergreen Oil 6880 Smith Ave; Newark, CA CAD 980 887 418; 94560 (510) 795-4400	<input type="checkbox"/>						

I hereby certify that all information submitted in this and all attached documents contain true and accurate descriptions of the waste. All relevant information regarding known or suspected hazards associated with the wastes has been disclosed. I certify that we have an established program to reduce the volume of waste to the degree to be economically practicable.

DRIVER SIGNATURE *[Signature]*

GENERATOR SIGNATURE *[Signature]*

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	2. Page 1 of 1	3. Document Number <b>4891</b>	
GENERATOR	4. Generator's Name and Mailing Address <i>Turlock Irrigation District P.O. Box 949 ATTN: Gary Davis; Turlock CA 95381</i>		Generator's Phone		
	5. Transporter Company Name <b>CLEARWATER ENVIRONMENTAL</b>	6. US EPA ID Number <b>CAR000007013</b>	7. Transporter Phone <b>(510) 476-1740</b>		
	8. Designated Facility Name and Site Address <b>ALVISO INDEPENDENT OIL 5002 ARCHER STREET ALVISO, CA 95002</b>		9. US EPA ID Number <b>CAL000161743</b>	10. Facility's Phone <b>(510) 476-1740</b>	
	11. Waste Shipping Name and Description		12. Containers No.	13. Total Quantity	14. Unit W/Vol
a. Non-Hazardous waste, liquid		001	TT	3800 G	
b. <i>Water Wash Waste</i>					
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>Dru Stewart</i>		Signature <i>[Signature]</i>		Month Day Year <b>12 14 07</b>	
17. Transporter Acknowledgement of Receipt of Materials					
Printed/Typed Name <i>Anthony Canero</i>		Signature <i>[Signature]</i>		Month Day Year <b>12 14 07</b>	
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>Kirk Hayward</i>		Signature <i>[Signature]</i>		Month Day Year <b>12 17 07</b>	

WHITE - ORIGINAL (Return to Generator)

YELLOW - TSD (Retain Copy)

PINK - TRANSPORTER COPY

GOLDENROD - GENERATOR'S COPY

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**APPENDIX G**

**Soils & Water-10 ZLD Status Report**

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**TO:** GEORGE DAVIES  
**FROM:** KURT LIND  
**SUBJECT:** WEC ZLD 2007 / 2008 PLANT ISSUES  
**DATE:** 4/29/2008  
**CC:** MIKE MOON

---

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.

### **2007 / 2008 ZLD Issues**

March 2007

- No Major Plant Issue To Report

April 2007

- No Major Plant Issue To Report

May 2007

- During the month of May, the Oberlin belt press had issues with its venting system. Belt Press vent was clogging due to delay timer being set too long. System was causing belt press to blow seals, belts, and slurry at press. Corrected issue with PLC programming for vent timer.
- May 17, 2007 – Filtrate Tank mixer shaft had been bent due to solid mass buildup in the Filtrate Tank. A new shaft was installed.
- May 17 – 25, 2007 – Multi Media Units showing bio-fouling and algae growth. Each of the 3 units was sanitized by injecting bleach (Sodium Hypochlorite) into each unit and soaking for approximately 24 hours. Bleach injection was added to the inlet header of the Multi Media System to deter further bio-fouling.

## June 2007

- During the month of June 2007, we experienced chronic shutdowns of both crystallizers due to vapor recycle valves feedback being too abrupt. This caused unstable and fluctuating pressures in the flash tanks of both crystallizers. A TID Instrumentation and Controls technician was able to troubleshoot the controllers and replaced the potentiometers. Furthermore, he tuned the vapor recycle valves dampening in order to slow the feedback signal and maintain better control of the flash tank pressures while loading a crystallizer or during online load swings.
- June 27, 2007 – The flexible coupling for Crystallizer “B” Distillate pump ruptured and caused LoLo Distillate Tank level tripping the Crystallizer. The Crystallizer and pump were isolated and a new expansion joint was installed.
- June 28, 2007 – While performing logic programming in the PLC system for the Mixed Bed Caustic Dilution Water Pump, a changed parameter caused the PLC to “lock up” and shut down both the Water Plant and Crystallizer Plant. Water Plant systems were inspected and restarted individually. Vapor Compressor “B” did not automatically shut off. Vapor Compressor “B” had to be manually de-energized at the MCC breaker. Temperature at the Vapor Compressor rose to 389 degrees F intermittently. The Vapor Compressor vents and drain lines were opened to cool it ambiently and the Vapor Compressor was checked manually for free rotation. There was no apparent binding or damage to the Vapor Compressor from external evaluation. Both Crystallizers were restarted and monitored closely. The PLC program logic was changed to shut down the vapor compressor in the event of failures from the logic system.

## July 2007

- July 5, 2007 – Replaced HERO Stage 1 / Unit #1 membrane due to excessive fouling and poor performance. This was a planned replacement. Membranes were shipped to an RO cleaning facility for possible recovery. Results: more than 80% of the membranes were successfully cleaned post removal and will be reused.

## August 2007

- August 8, 2007 – Vapor Compressor “B” Outlet Expansion Joint failed (steam leak). Shutdown unit and replaced expansion joint with “repaired” spare.
- August 7 - 8, 2007 – Forced Circulation Heat Exchanger “A” on Crystallizer “A” was dismantled and cleaned via hydroblasting (high pressure wand cleaning) due to excessive scaling of the heat exchanger tubes. This was a planned activity.

- August 22 – 23, 2007 - Forced Circulation Heat Exchanger “B” on Crystallizer “B” was dismantled and cleaned via hydroblasting (high pressure wand cleaning) due to excessive scaling of the heat exchanger tubes. This was a planned activity.

#### September 2007

- September 1, 2007 - Vapor Compressor “B” Outlet Expansion Joint failed (steam leak). Shutdown unit and replaced expansion joint with new spare.
- September 9 - 10, 2007 – Brine Feed piping header to Sodium Zeolite (NaZ) Softeners cracked and failed during softener regeneration. A new piping header was fabricated on site and the system was repaired.
- September 10, 2007 – A loaded salt dumpster’s gate-retaining bolts failed causing approximately 12 yards of mixed salt cake to spill on the crystallizer pad. The spill was confined to the pad and was cleaned up using a front end loader and another salt dumpster. The dumpster failure was analyzed and determined to have excessive retaining bolt corrosion. All dumpsters were inspected and had corroded bolts or parts replaced, greased, cleaned, and/or epoxy coated.
- September 29, 2008 – Sulfuric Acid injection piping at the inlet of the Brine Waste pump skid was found leaking. The system was isolated and the point of failure was determined to be under exothermic conditions due to not having an appropriate injector with check valve. A new piping spool piece was made and a new injector was added to prevent reoccurrence.

#### October 2007

- October 1, 2007 – Replaced NaZ Resin in Unit #1 with new resin due to excessive differential pressures and foreign matter fouling observed when backwashing unit. Old resin sent to have cleaned.
- October 18 - 19, 2007 - Forced Circulation Heat Exchanger “A” on Crystallizer “A” was dismantled and cleaned via hydroblasting (high pressure wand cleaning) due to excessive scaling of the heat exchanger tubes. This was a planned activity.

#### November 2007

- November 30, 2007 – Brine Outlet piping spool piece from Sodium Zeolite (NaZ) Softeners cracked and failed during softener regeneration. A new piping spool was fabricated on site and the system was repaired.

## December 2007

- December 5, 2007 – Cleaned Brine Saturator (Salt) Tank of foreign debris and buildup due to contamination in the kiln dried bulk salt. Follow up audit of Cargill facility and specifications shows that this contamination on an annual basis is to be expected due to the purity of the salt and tonnage consumed annually. Used Vacuum Tanker with stinger hose to remove debris from tank.
- December 18, 2007 – Filtrate Tank level control valve actuator failed. Shut down Belt Press and Filtrate system. Replaced actuator with spare. Sent old actuator for rebuild to manufacturer.
- December 20, 2007 – RO Cleaning Skid pump failure. Pump impeller stack plate was replaced with spare stack kit.
- December 21, 2007 – Mixed Bed Feed Pump PP-029 motor bearings replaced due to failed lower motor bearing.

## January 2008

- No Major Plant Issue To Report

## February 2008

- No Major Plant Issue To Report

## March 2008

- March 21 - 23, 2008 - Vapor Compressor “B” Outlet Expansion Joint failed (steam leak). Shutdown unit and replaced expansion joint with new spare.
- March 21 -23, 2008 – During the repair of the Vapor Compressor “B” Outlet Expansion Joint above, the internal lobes of the vapor compressor were inspected and found to have excessive pitting and wear at the seal interface to the compressor. It was determined that the best course of action was to replace the compressor with an on-site spare. The Vapor Compressor was replaced and the old unit was sent to be rebuilt.

**Total Volume WEC Waste Water Stored  
On-Site During April 2007-March 2008  
Reporting Period**

Month	Volume (gallons)
April-07	42,600
May-07	79,200
June-07	37,800
July-07	46,800
August-07	173,200
September-07	85,600
October-07	100,900
November-07	116,900
December-07	99,100
January-08	116,300
February-08	125,300
March-08	274,400

**Volume Of Salt Cake Generated During  
April 2007 – March 2008 Reporting Period**

Month	Volume (tons)
April-07	126.1
May-07	135.1
June-07	162.1
July-07	176.3
August-07	167.3
September-07	189.6
October-07	114.8
November-07	167.6
December-07	124.3
January-08	116.5
February-08	142.8
March-08	150.3

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**APPENDIX H**

**VIS-5 Landscape Photos**

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## **APPENDIX I**

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

APPENDIX I  
VIS-6 WRITTEN CERTIFICATION  
COOLING TOWER OPERATIONS

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**TURLOCK IRRIGATION DISTRICT**  
333 EAST CANAL DRIVE  
POST OFFICE BOX 949  
TURLOCK, CALIFORNIA 95361  
(209) 883-8300

April 30, 2008

Mr. Ron Yasnay  
Compliance Project Manager  
California Energy Commission  
1516 9<sup>th</sup> Street (MS-2000)  
Sacramento, CA 95814-5512

**SUBJECT:      CONDITION OF CERTIFICATION VIS-6, WRITTEN CERTIFICATION  
                  REGARDING OPERATION OF WEC COOLING TOWER**

Mr. Yasnay:

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 consistency 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 design parameters.

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

Respectfully,



George A. Davies IV.  
Combustion Turbine Department Manager

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



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**APPENDIX J**

**Filings Made to Other Governmental Agencies**

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### Filings Made to Other Governmental Agencies

DATE	SUBJECT	AGENCY
April 11, 2007	Breakdown Relief Granted	SJVAPCD
April 24, 2007	QUARTERLY CEMS REPORT	SJVAPCD
April 30, 2007	WEC CEC Annual Compliance Report #1	CEC
April 30, 2007	CEC Air Quality Quarterly Operating Report	CEC
April 30, 2007	Notice of Final Action - Minor Title V Permit Modification	SJVAPCD
May 15, 2007	2006 ANNUAL EMISSIONS SURVEY	SJVAPCD
May 17, 2007	15 MINUTE EXCURSIONS	SJVAPCD
May 22, 2007	BREAKDOWN RELIEF REQUEST	SJVAPCD
May 31, 2007	COMPLIANCE EMISSION TESTING	SJVAPCD
June 04, 2007	Breakdown Relief Request	SJVAPCD
June 12, 2007	REQUEST SOURCE TEST DATE CHANGE	SJVAPCD
June 22, 2007	Breakdown Relief Request	SJVAPCD
June 22, 2007	Breakdown Relief Request	SJVAPCD
June 25, 2007	Breakdown Relief Request	SJVAPCD
July 13, 2007	Breakdown Relief Request	SJVAPCD
July 13, 2007	Breakdown Relief Request	SJVAPCD
July 13, 2007	Annual Source Emissions Testing Notice	SJVAPCD
July 30, 2007	Breakdown Relief Request	SJVAPCD
July 30, 2007	CEC Air Quality Quarterly Operating Report	CEC
July 30, 2007	WECA WEC CONDITION OF CERTIFICATION SOIL AND WATER	CEC
July 30, 2007	Quarterly CEMS Report	SJVAPCD
July 31, 2007	Breakdown Relief Request	SJVAPCD
July 31, 2007	SOURCE TEST SCHEDULE	SJVAPCD
July 31, 2007	WEC Unit 2 Primary Re-Ignition Events	SJVAPCD
July 31, 2007	SOURCE TEST SCHEDULE	USEPA
August 08, 2007	Walnut Energy Center Year 2 Avian Collision Monitor	CEC
September 05, 2007	Walnut Energy Center Completion of PAL-5	CEC
September 17, 2007	Short Term Excursion Relief Request	SJVAPCD
September 24, 2007	IMPLEMENT ATC PERMITS	SJVAPCD
September 25, 2007	Supporting Documentation For PETITION FOR A HEARING	SJVAPCD
October 8, 2007	Breakdown Relief Request	SJVAPCD
October 11, 2007	SJVAPCD SOURCE TEST REPORT	SJVAPCD
October 11, 2007	USEPA SOURCE TEST REPORT	USEPA
October 11, 2007	USEPA SOURCE TEST REPORT	CEC
October 12, 2007	INTERIM VARIANCE REPORT	SJVAPCD
October 15, 2007	REGULAR VARIANCE REPORT	SJVAPCD
October 30, 2007	Quarterly CEMS Report UNIT 1	SJVAPCD
October 30, 2007	Quarterly CEMS Report UNIT2	SJVAPCD
October 30, 2007	CEC Air Quality Quarterly Operating Report	CEC
	Extension of Regular Variance Docket NO: N-06-09X	
November 19, 2007	November 15, 2007 Report of Analysis and Recommendations	SJVAPCD
November 21, 2007	Report of Excess Emissions	SJVAPCD
November 29, 2007	Emission Exceedance Rescind Request	SJVAPCD
	WECA WEC Condition of Certification AQ-C5, WEC Revised Authority To Construct Permits	
November 30, 2007	N-7172-1-2 and N-7172-2-2	CEC
December 6, 2007	Breakdown Relief Request	SJVAPCD

**Filings Made to Other Governmental Agencies**

DATE	SUBJECT	AGENCY
December 14, 2007	Extension of Regular Variance Docket No: N-06-09X December 15, 2007 Corrective Course of Action	SJVAPCD
December 17, 2007	Walnut Energy Center Facility ID #: N-7172 Emission Survey - Calendar Year 2006	SJVAPCD
December 17, 2007	Report of Excess Emissions	SJVAPCD
December 18, 2007	BREAKDOWN RELIEF REQUEST	SJVAPCD
January 2, 2008	BREAKDOWN RELIEF REQUEST	SJVAPCD
January 15, 2008	Request To Retract Report Of Excess Emissions	SJVAPCD
January 29, 2008	CEC Air Quality Quarterly Operating Report	CEC
January 29, 2008	Quarterly CEMS Report UNIT 1	SJVAPCD
January 29, 2008	QUARTERLY CEMS REPORT UNIT 2	SJVAPCD
February 19, 2008	HAZ-1 CHEMICAL INVENTORY LIST	CEC
February 19, 2008	COOLING TOWER ADDITIVES	CEC
February 26, 2008	REPLACEMENT OF BACKWASH TANK	CEC
March 19, 2008	COMPLIANCE MATRIX OF AIR QUALITY CONDITIONS	CEC

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**APPENDIX K**

**Scheduled Compliance Activities for  
March 2007- March 2008 Reporting Period**

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**TURLOCK IRRIGATION DISTRICT  
COMBUSTION TURBINE DEPARTMENT  
REGULATORY COMPLIANCE SCHEDULE**

Report Description	2009			2008								
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>WALNUT ENERGY CENTER</b>												
APCD, Quarterly CEMs Report	30-Jan			30-Apr			30-Jul			30-Oct		
APCD, Annual Emissions Inventory					30-May							
Title V, Report of Required Monitoring												
Title V, Annual Compliance Certification												
Title V, Quarterly EDR Submittal	30-Jan			30-Apr			30-Jul			30-Oct		
Title IV, Annual Compliance Certification		28-Feb										
Title IV, Allowance Transfer Deadline		28-Feb										
Quarterly CO CGA & O <sub>2</sub> Linearity			30-Mar			30-Jun			30-Sep			31-Dec
Notify APCD of Annual Source Test Schedule and Protocols						30-Jun						
Schedule Annual Emissions Source Test							16-Jul					
Annual Emissions Source Test								16-Aug				
Annual RATA								16-Aug				
Source Test Report Due to APCD										15-Oct		
California Energy Commission, Quarterly Operational Report	30-Jan			30-Apr			30-Jul			30-Oct		
California Energy Commission, Annual Operational Report				30-Apr								

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**APPENDIX L**

**NOVs and TID Responses**

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# San Joaquin Valley

AIR POLLUTION CONTROL DISTRICT

Monday, December 24, 2007

Les Barrigar  
WALNUT ENERGY CENTER AUTHORITY  
600 S WASHINGTON ROAD  
TURLOCK, CA

RE: Notice of Violation # 5001681

Dear Mr. Barrigar,

WALNUT ENERGY CENTER AUTHORITY requested breakdown relief on 05/18/2007 for the (N-7172-1-0) located at 600 S WASHINGTON ROAD. According to the 10-day follow-up report and subsequent information, the failure was due to human error.

After a careful review, the District has determined that this equipment failure does not qualify for breakdown relief as per District Rule 1100, due to the fact that it did not result from an unforeseeable equipment failure, but due to human error. In light of this fact, you are hereby issued Notice of Violation # 5001681 for the violation of Authority to Construct N-7172-1-0, Condition 25 (NOx emission concentration).

If you have any questions please contact me or Dillon A Collins at (209) 557-6426.

Sincerely,

Thomas J Busenbark  
Supervising Air Quality Inspector

**Seyed Sadredin**  
Executive Director/Air Pollution Control Officer

**Northern Region**  
4800 Enterprise Way  
Modesto, CA 95356-8718  
Tel: (209) 557-6400 FAX: (209) 557-6475

**Central Region (Main Office)**  
1990 E. Gettysburg Avenue  
Fresno, CA 93726-0244  
Tel: (559) 230-6000 FAX: (559) 230-6061  
[www.valleyair.org](http://www.valleyair.org)

**Southern Region**  
2700 M Street, Suite 275  
Bakersfield, CA 93301-2373  
Tel: (661) 326-6900 FAX: (661) 326-6985



**SAN JOAQUIN VALLEY UNIFIED AIR POLLUTION CONTROL DISTRICT**

Northern Region Office  
4800 Enterprise Way  
Modesto, CA 95356-8718  
(209) 557-6400

Central Region Office  
1990 E Gettysburg Ave  
Fresno, CA 93726-0244  
(559) 230-5950

Southern Region Office  
2700 M Street, Suite 275  
Bakersfield, CA 93301-2373  
(661) 326-6900

**NOTICE OF VIOLATION No. 5001681**

**ISSUED TO:**

**NAME:** Walnut Energy Center Authority  
**ADDRESS:** 600 S Washington Road  
**CITY:** Turlock  
**PHONE:** 209-883-3451 604-4648

**STATE:** CA

**PERMIT/FACILITY:** N-7172  
**PERMITS:** 1-0  
**ZIP:**

**OCCURRENCE LOCATION:**

**NAME:** Walnut Energy Center  
**ADDRESS:** 600 S Washington Road  
**CITY:** Turlock  
**DATE:** May 18, 2007

**STATE:** CA

**ZIP:**

Same as Above

**TIME:** 2:07 pm

**THIS NOTICE HAS BEEN ISSUED AS A RESULT OF A VIOLATION OF:**

San Joaquin Valley Unified Air Pollution Control District Rules and Regulation  California Health and Safety Code

**Rule(s)/Section(s):** 2010 - Permits Required, 2201 - New and Modified Stationary Source Review Rule

**Equipment Type (If Applicable):** turbine unit 1

**Description:** Nitrous Oxide (NOx) emission concentration exceeded permit limit.

**RECIPIENT NAME:** George Davies **TITLE:** Combustion Turbine Dept.

SIGNING THIS NOTICE IS

NOT AN ADMISSION OF GUILT x

*George Davies*

1/2/08

SIGNATURE

RETURN A COPY OF THIS NOTICE WITH A WRITTEN DESCRIPTION OF THE IMMEDIATE CORRECTIVE ACTION YOU HAVE TAKEN TO PREVENT A CONTINUED OR RECURRENT VIOLATION.

**THIS VIOLATION IS SUBJECT TO SUBSTANTIAL PENALTY.  
YOUR RESPONSE DOES NOT PRECLUDE FURTHER LEGAL ACTION.**

ISSUED BY: Dillon Collins

DATE: Mon December 24, 2007

TIME: 1:38 pm

MAILED

Continued



**TURLOCK IRRIGATION DISTRICT**

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

Dani Pedraza Dam and  
Powerhouse

RECEIVED

JAN 03 2008

SJVAPCD  
NORTHERN REGION

January 2, 2008

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

Subject: **TURLOCK IRRIGATION DISTRICT  
WALNUT ENERGY CENTER  
SHORT-TERM EXCURSION REQUEST**

Dear Mr. Busenbark,

The Turlock Irrigation District (TID) is in receipt of your letter dated December 24, 2007 regarding Notice of Violation No. 5001681. The letter states that the breakdown was due to human error, this is inaccurate as this procedure is routinely performed by GE Technicians while the machines are running. During this particular incident, the turbine control computer, the Mark VI, initiated a Primary Re-Ignition event, which was not the expected outcome during this operation.

The TID is requesting the District retract NOV No. 5001681 and grant relief from enforcement under Permit No. N-7172-1-2 Condition No. 25:

*"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. 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% O<sub>2</sub>. The maximum 1-hour average NOx concentration for periods that include short-term excursion shall not exceed 30 ppmvd @ 15% O<sub>2</sub>. [District Rule 2201]"*

The TID is designating 3 - 15 minute periods (45 minutes total) as short-term excursions. N-7172-1-2 has accumulated 2.00 hours of the allowable 10 hours per rolling 12-month period. The maximum 1-hour average NOx concentration for the period that included the short-term excursion was 26.30 ppmc, which is less than the 30 ppmc allowed. Please see the attachments.

Mr. Thomas J. Busenbark

-2-

January 2, 2008

The TID is requesting the APCO approve this short-term excursion.  
Please contact me at (209) 883-3451 if you have any questions.

Sincerely,

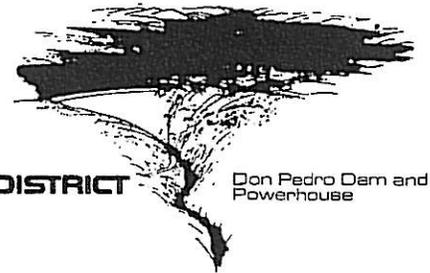


George A. Davies IV

Combustion Turbine Department Manager

Attachments:     **BREAKDOWN RELIEF REQUEST - MAY 22, 2007**  
                      **DISTRICT LETTER DATED DECEMBER 24, 2007**  
                      **NOTICE OF VIOLATION NO. 5001681**  
                      **SHORT-TERM EXCURSION SUMMARY**

cc:     Randy Baysinger, TID  
          Dan Welch, Sierra Research  
          CEC Quarterly Operational Report  
          file



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

Don Pedro Dam and  
Powerhouse

May 22, 2007

Dillon Collins  
Air Quality Inspector  
San Joaquin Valley Air Pollution Control District  
Northern Regional Office  
4800 Enterprise Way  
Modesto, CA 95356-8718

Subject: Turlock Irrigation District  
Walnut Energy Center  
Breakdown Relief Request

Mr. Collins,

The TID requests breakdown relief for the attached Deviation for the Turlock Irrigation District's Walnut Energy Center, Facility ID No. N-7172. This deviation occurred on May 18, 2007 at approximately 14:07 PDLST. The CEMS remains on PST, therefore, there is one hour difference between the Operator Log time stamp and the CEMS time stamp. It is the practice of the Turlock Irrigation District to adhere to all of the Rules and Regulations of the San Joaquin Valley Unified Air Pollution Control District.

If you have any questions please call me at (209) 883-3451.

Sincerely,

George A. Davies IV  
Combustion Turbine Department Manager

Attachments: Deviation Report

cc: Daniel Welch, Sierra Research  
Lance Shaw, California Energy Commission  
Randy Baysinger, AGM-Power Services  
file



**San Joaquin Valley  
Unified Air Pollution Control District  
TITLE V - DEVIATION REPORTING FORM  
CERTIFICATION INFORMATION**

Company Name: <b>TURLOCK IRRIGATION DISTRICT</b>	Facility ID: <b>N-7172</b>
Reporting Period: from <b>May 18, 2007</b> through <b>May 18, 2007</b>	

**CERTIFICATION:**

I declare, under penalty of perjury under the laws of the state of California, that, based on information and belief formed after reasonable inquiry, all information provided in this reporting package is true, accurate, and addresses all deviations during the reporting period:

  
\_\_\_\_\_  
Signature of Responsible Official

May 22, 2007  
\_\_\_\_\_  
Date

George Davies IV  
\_\_\_\_\_  
Name of Responsible Official (please print)

Combustion Turbine Department Manager  
\_\_\_\_\_  
Title of Responsible Official (please print)

***Mail to: District Regional Office where facility is located***

**San Joaquin Valley  
Unified Air Pollution Control District**

**TITLE V - DEVIATION REPORTING FORM**

Use this form to report deviations from permit requirements, including those attributable to upset conditions, as defined in the permit. After completing this form, return it to the Compliance Division at your Regional District office.

Company Name: <b>TURLOCK IRRIGATION DISTRICT</b>	Facility ID: <b>N-7172</b>
--	----------------------------

**DEVIATION INFORMATION**

1.	Permit Unit: <b>N-7172-1-0</b> Condition #: <b>25</b>
2.	Description of permit condition: 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 start-up or shut down period. A clock hour in a one hour average will commence at the top of the hour. [District Rule 2201]
3.	Date, time and duration of deviation: Start: <b>May 18, 2007; 14:07</b> End: <b>May 18, 2007; 14:34</b> Duration: <b>27 minutes</b>
4.	Description of deviation: (include excess emissions if applicable) <b>Unit 1 exited Dry Low NOx control mode</b>
5.	Date and time when deviation was discovered: <b>May 18, 2007; 14:06</b>
6.	Probable cause of deviation: <b>The General Electric Technician uploaded a new Dry Low NOx control curve to Mark VI controller. The Mark VI became confused during the process and exited the Dry Low NOx control mode.</b>
7.	Comments/corrective action taken: <b>In order to re-establish Dry Low NOx control, the unit had to reduce load to approximately 30 mw and then ramp up to normal load.</b>

Signed:  Date: May 22, 2007

Title: Combustion Turbine Department Manager Phone: 209-883-3451

**ATTACHMENT A:  
EQUIPMENT BREAKDOWN INITIAL CALL-IN**

### Equipment Breakdown Initial Call-In

Equipment breakdowns should be reported to the appropriate regional office of the SJVUAPCD

San Joaquin Valley Unified Air Pollution Control District  
Stanislaus County (209) 557-6400  
Designated Inspector – Dillon Collins

Complete the following information prior to making a call to the Air Pollution Control Officer (APCO) or local breakdown reporting telephone number. The information listed should be given when the call is made to the APCO. All calls to the APCO should be made within the first hour of detection, identify the reason(s) for late call-in in the notes section below.

Company Name: Turlock Irrigation District – Walnut Energy Center  
Company Address/Location: 600 South Washington Rd  
Today's Date: 5-18-07 Current Time: 1456  
Identity of Caller: Sebastian Iub Title: Power Plant Tech  
Company Telephone Number: 209-883-3450  
Equipment Experiencing Breakdown: CT 1  
Permit Number(s): N-7172-1-0  
Date Breakdown Occurred: 5-18-07 Time Breakdown Occurred: 1406

If the cause of the equipment breakdown is unknown at the time of the call, state "The cause of the equipment breakdown is currently unknown and is under investigation." When the cause of the breakdown is determined, call the APCO and restate the information providing the cause of the equipment breakdown.

Cause of Equipment Breakdown Came out of PM-55  
Excess Emissions Occurred:  Yes  No Visible Emissions:  Yes  No

If excess emission occurred due to the breakdown, estimate the emissions below (ppm or lbs/hr).  
NO<sub>x</sub> 68 ppm CO \_\_\_\_\_ NH<sub>3</sub> \_\_\_\_\_ - Other \_\_\_\_\_

Note any abnormal conditions that should be considered when completing the breakdown report.

Notes:  
Left message on Dillon Collins' voicemail.

**ATTACHMENT B:  
OPERATOR LOG**

(Cont.) OICEM-CO\_50L to one. Prevents inlet CO monitoring from switching to unit 2 while testing unit 1.

1830 N.W. Well Pump auto start. Informed OMI we are blending

Night shift changing schedule  
 ct#1 + ct#2 + STG online 214mw

1957 ct#1 from Remote stop to Base load

2030 GE finished with ct#1

2030 ct#1 from Base load to Remote stop.  
 lowering mw's in fixed to match ct#2  
 called pcc notified the same

2040 ct#1 from fixed to normal called  
 pcc notified the same "ct#1 Available"

2118 oicem-co 50l unit #1 + unit #2 back  
 on line

2254 Stop ct fan #3

2301 pcc called going from fixed to load follow

0037 ↓ ct blowdown from 450 to 370 gpm

4-18-07 Day Shift Lub, Stewart, Carlson

0700 Three units @ 201 mw.

0707 Secure C.T. Fan 5.

0812 Start C.T. Fan 3.

0820 Start Sodium Bromide pp 9.

0825 Sodium Bromide drawdown @ 25 ml/min for ~280 ml/min  
 Sod. Hyp. drawdown @ 20% speed.

0915 Commence 2-hour base load run.

0920 CT 1 & 2 Remote Load Select REMOTE STPT → BASE LOAD.

0924 Returned CT 1 & 2 to REMOTE SETPOINT.

0937 SSH-TV-3346 drain valve repaired & back in service.

0944 Start C.T. Fans 1 & 5.

1017 ↓ C.T. level setpoint 96 → 95%.

1045 N.W. Well PP auto start.

1054 Informed OMI we are blending C.T. makeup.

1102 SLP-11V-3368 drain valve repaired.

1116 Loaded Drop 5: four new alarm points - COT (City of  
 Turlock) Recycle Tank Level, Total Chlorine, NTU, Effluent Flow

1124 Secured N.W. Well PP & returned to AUTO.

1130	Informed OMI we are no longer blending C.T. m/w.
1138	Forced points: O2 CEM CO SOL to zero; O1 CEM SOL to one. Monitoring only HRSG1 inlet CO.
1141	Start CTBD pp4. ↑ CTBD 315 → 460 gpm.
1204	Called PCC (Lee): base load testing done for now.
1205	Secure C.T. Fan 5.
1215	Secure C.T. Fan 1.
1410	Called PCC Told Lee Placing unit 1 in Fixed lost <del>premix</del> <sup>Premix steady state</sup> <del>lean</del> when curve being installed
1427	Lean Lean + on unit 1
1430	Premix steady state on unit 1
1453	Unit 1 Base load For DLN Tuning
1456	Lub called in a break down and left message with Air Board.
1515	↓ NOX: set point 1.5 → 1.1 on unit 1
1652	Evap cooler on unit 1 enabled.
1653	Called Pcc (Lee) told him They had control of unit 1 & unit 2
1654	↑ NOX set point 1.1 → 1.5 on unit 1
1723	UNFORCED points: O2 CEM CO SOL & O1 CEM SOL on HRSG 1 INLET CO.
1900	NIGHTSHIFT CHAPIN/TEHADA ALL BUNTS ONLINE @ 180 MW
5-19-07	
0610	pcc called lower vars on ct#1 + ct#2 <del>from 6.</del> from 6. to 3 vars each
0700	Day Shift Stewart/Lub/Carlson All 3 units online @ 189 MW
0814	Cems in Cal
1303	↓ IP 1 PDA Pump #11 90% → 85% speed.
5-19-07	Day Shift Chapin, Tehada ct#1 + ct#2 + s76 online 200 MW
2355	ct#1 Bearing #3 High vibration Alarm cancelled and cleared

# ATTACHMENT C: EMISSIONS REPORTS

Turlock Irrigation District  
Walnut Energy Center  
UNIT1 Daily Emissions

Reporting period: 05/18/07 00:00 to 05/18/07 23:59

< Data is invalid  
E Data is in Exceedance  
F,p Unit was offline  
C Calibration  
D Channel disabled (marked offline)  
5/22/2007

Date	Time	O2%	NOxppm		NOxlbs	COppm		COppm C3h	COLBS	NH3PPM 24H	PM10 LBS	SO2 LBS	VOC LBS
			NOxppm	CORR		COppm	CORR						
5/18/2007	0:00	15.00	1.50	1.50	4.90	4.70	4.70	3.10	8.50	2.40	5.40	0.50	1.50
5/18/2007	1:00	15.00	1.50	1.50	4.80	4.70	4.60	4.30	8.40	2.40	5.40	0.50	1.50
5/18/2007	2:00	14.90	1.50	1.50	3.90	3.80	3.80	4.40	6.60	2.40	5.30	0.50	1.40
5/18/2007	3:00	15.00	1.50	1.50	4.80	5.40	5.30	4.60	9.60	2.40	5.40	0.50	1.40
5/18/2007	4:00	15.00	1.50	1.50	4.80	5.50	5.40	4.80	9.80	2.50	5.40	0.50	1.40
5/18/2007	5:00	15.00	1.50	1.50	5.00	6.70	6.60	5.80	12.40	2.50	5.60	0.50	1.50
5/18/2007	6:00	14.90	1.50	1.50	3.70	2.20	2.20	4.80	3.60	2.50	5.00	0.40	1.30
5/18/2007	7:00	15.00	1.60	1.60	5.20	5.70	5.70	4.80	11.00	2.50	5.80	0.50	1.50
5/18/2007	8:00	15.10	1.50	1.50	5.80	5.60	5.70	4.50	12.40	2.50	6.50	0.60	1.80
5/18/2007	9:00	15.20	1.40	1.50	4.90	5.00	5.10	5.50	11.10	2.50	6.50	0.60	1.70
5/18/2007	10:00	15.20	1.40	1.50	4.80	4.30	4.40	5.10	9.60	2.50	6.50	0.60	1.70
5/18/2007	11:00	15.10	1.50	1.50	5.50	2.60	2.60	4.10	5.40	2.50	6.10	0.50	1.60
5/18/2007	12:00	15.10	1.50	1.50	5.30	2.40	2.40	3.20	4.90	2.50	6.00	0.50	1.60
5/18/2007	13:00	15.10	26.10	26.30	78.30	0.10	0.10	1.70	0.20	0.40	5.40	0.50	1.40
5/18/2007	14:00	15.10	1.10	1.20	3.90	0.20	0.20	0.90	0.40	0.40	6.50	0.60	1.70
5/18/2007	15:00	14.90	1.30	1.30	4.20	0.00	0.00	0.10	0.00	0.30	5.70	0.50	1.50
5/18/2007	16:00	14.90	1.50	1.50	3.90	0.00	0.00	0.10	0.00	0.30	5.20	0.50	1.40
5/18/2007	17:00	14.80	1.50	1.50	3.60	0.00	0.00	0.00	0.00	0.30	4.90	0.40	1.30
5/18/2007	18:00	14.90	1.60	1.50	4.30	0.00	0.00	0.00	0.00	0.30	4.80	0.40	1.30
5/18/2007	19:00	14.90	1.40	1.40	4.20	0.10	0.10	0.00	0.30	0.30	5.60	0.50	1.50
5/18/2007	20:00	14.90	1.40	1.40	4.30	0.10	0.10	0.10	0.20	0.30	5.80	0.50	1.60
5/18/2007	21:00	14.90	1.40	1.40	4.40	0.10	0.10	0.10	0.20	0.30	5.80	0.50	1.60
5/18/2007	22:00	14.90	1.40	1.40	4.60	0.00	0.00	0.10	0.00	0.30	6.10	0.50	1.60
5/18/2007	23:00	14.80	1.40	1.40	4.50	0.10	0.10	0.10	0.30	0.30	6.00	0.50	1.60

TurlockIrrigationDistrict  
Walnut EnergyCenter  
UNIT1Hourly Emissions

Reportingperiod:05/18/07 12:00 to 05/18/7/2007 2:59

< Data IsInvalid  
E Data IsIn Exceedance  
F,p Unitwas offline  
C Calibration, V SU/SD

Time	Op Time	O2%	NOxppm	NOxppm CORR	NOxlbs /HR	COppm	COppm CORR	COLBS /HR	NH3PPM SLIP
13:00	1.00	15.10	1.50	1.60	5.20	2.20	2.30	4.40	0.30
13:01	1.00	15.00	1.60	1.60	5.20	2.10	2.10	4.10	0.00
13:02	1.00	15.10	1.60	1.60	5.10	1.90	1.90	3.70	0.20
13:03	1.00	15.00	1.60	1.60	5.10	1.90	1.90	3.60	0.20
13:04	1.00	15.10	1.50	1.60	5.10	2.10	2.10	4.00	0.30
13:05	1.00	15.10	1.50	1.50	5.10	2.40	2.40	4.60	0.40
13:06	1.00	15.10	1.50	1.50	5.10	2.70	2.80	5.30	0.20
13:07	1.00	15.40	10.80	11.40	36.10	4.90	5.20	9.90	0.0f
13:08	1.00	15.30	53.60	56.70	175.90	-0.30	-0.30	-0.50	0.0f
13:09	1.00	15.30	64.20	67.90	209.70	-0.60	-0.60	-1.20	0.0f
13:10	1.00	15.20	66.40	69.30	211.90	-0.90	-0.90	-1.70	0.0f
13:11	1.00	15.00	70.70	70.60	217.30	-0.80	-0.80	-1.60	0.0f
13:12	1.00	15.00	73.00	73.50	217.80	-0.80	-0.80	-1.50	0.0f
13:13	1.00	15.00	72.80	72.80	211.60	-0.80	-0.80	-1.50	0.0f
13:14	1.00	15.00	72.00	72.00	204.10	-0.80	-0.80	-1.50	0.0f
13:15	1.00	15.00	70.70	70.60	196.30	-0.80	-0.80	-1.40	0.0f
13:16	1.00	15.00	69.50	69.00	188.00	-0.80	-0.80	-1.30	0.0f
13:17	1.00	14.90	69.10	68.00	181.50	-0.80	-0.80	-1.30	0.0f
13:18	1.00	14.90	68.50	67.80	175.80	-0.80	-0.80	-1.20	0.0f
13:19	1.00	14.90	67.90	66.70	171.00	-0.80	-0.80	-1.20	0.0f
13:20	1.00	14.90	67.20	66.20	163.40	-0.80	-0.80	-1.20	0.0f
13:21	1.00	15.00	66.30	66.00	161.60	-0.80	-0.80	-1.20	0.0f
13:22	1.00	15.00	64.10	64.20	153.00	-0.80	-0.80	-1.20	0.0f
13:23	1.00	15.00	63.00	63.40	139.70	-0.80	-0.80	-1.10	-0.60
13:24	1.00	15.10	61.00	62.50	126.00	-0.80	-0.80	-1.00	-0.20
13:25	1.00	15.30	54.60	57.80	115.20	-0.80	-0.90	-1.10	-0.10
13:26	1.00	15.40	49.20	52.90	103.00	-0.80	-0.90	-1.00	0.0f
13:27	1.00	15.40	47.90	51.50	97.20	-0.80	-0.90	-1.00	0.0f
13:28	1.00	15.50	46.10	50.40	99.40	-0.80	-0.90	-1.00	0.0f
13:29	1.00	15.50	44.50	48.20	103.50	-0.80	-0.90	-1.10	0.0f
13:30	1.00	15.30	47.80	50.60	116.70	-0.80	-0.90	-1.20	0.0f
13:31	1.00	15.20	55.70	57.30	141.90	4.60	4.70	7.10	0.00
13:32	1.00	15.00	24.50	24.60	61.80	4.50	4.50	7.00	11.90
13:33	1.00	14.90	3.40	3.30	8.50	1.10	1.10	1.70	5.30
13:34	1.00	14.90	2.40	2.40	6.50	0.60	0.60	1.00	3.20
13:35	1.00	14.90	1.90	1.90	5.20	0.00	0.00	0.00	2.70
13:36	1.00	14.90	1.90	1.80	5.30	-0.40	-0.40	-0.70	2.90
13:37	1.00	14.90	1.70	1.70	4.70	-0.50	-0.50	-0.80	3.60
13:38	1.00	14.90	1.50	1.50	4.00	-0.40	-0.40	-0.70	4.00
13:39	1.00	14.90	1.30	1.30	4.00	-0.10	-0.10	-0.20	3.70
13:40	1.00	14.90	1.20	1.10	3.20	-0.10	-0.10	-0.20	3.10
13:41	1.00	14.90	1.10	1.00	3.30	-0.40	-0.40	-0.70	3.10
13:42	1.00	15.00	1.00	0.90	3.30	-0.30	-0.30	-0.60	3.10
13:43	1.00	14.90	0.90	0.90	2.60	-0.10	-0.10	-0.30	3.10
13:44	1.00	14.90	0.90	0.80	2.60	-0.20	-0.20	-0.40	2.50
13:45	1.00	14.90	0.90	0.90	2.70	-0.20	-0.20	-0.30	2.30
13:46	1.00	14.90	1.00	0.90	3.60	-0.20	-0.20	-0.40	1.70
13:47	1.00	14.90	1.00	1.00	3.70	-0.50	-0.50	-1.00	1.60
13:48	1.00	15.00	1.00	1.00	3.80	-0.50	-0.50	-1.10	1.50
13:49	1.00	15.00	1.00	1.00	3.90	-0.50	-0.50	-1.20	1.50
13:50	1.00	15.10	0.90	1.00	2.90	-0.30	-0.30	-0.60	1.80
13:51	1.00	15.00	0.90	0.90	2.90	-0.20	-0.20	-0.30	1.70
13:52	1.00	15.10	0.90	0.90	2.90	-0.20	-0.20	-0.30	1.70
13:53	1.00	15.10	0.90	0.90	2.90	-0.20	-0.20	-0.40	1.60
13:54	1.00	15.10	0.80	0.80	2.90	-0.20	-0.20	-0.30	1.60
13:55	1.00	15.10	0.80	0.80	2.90	-0.20	-0.20	-0.30	1.40
13:56	1.00	15.10	0.80	0.80	2.90	-0.10	-0.10	-0.30	1.20
13:57	1.00	15.10	0.80	0.80	2.90	-0.10	-0.10	-0.30	0.90
13:58	1.00	15.10	0.80	0.80	2.90	-0.10	-0.10	-0.30	0.50
13:59	1.00	15.10	0.80	0.80	2.90	-0.10	-0.10	-0.30	0.30

**WALNUT ENERGY CENTER**  
**PERMIT CONDITON 27**  
**N-7172**  
**SUMMARY**

<b>MONTH</b>	<b>PLANT LIMIT 20 HOURS PER ROLLING 12 MONTHS (HOURS)</b>	<b>CT-1 LIMIT 10 HOURS PER ROLLING 12 MONTHS (HOURS)</b>	<b>CT-2 LIMIT 10 HOURS PER ROLLING 12 MONTHS (HOURS)</b>
Jan-06			
Feb-06			
Mar-06			
Apr-06			
May-06			0.25
Jun-06			0.25
Jul-06			0.25
Aug-06			0.25
Sep-06			0.25
Oct-06			0.25
Nov-06			0.25
Dec-06			0.25
Jan-07	0.25		0.25
Feb-07	0.50	0.25	0.25
Mar-07	0.50	0.25	0.25
Apr-07	1.00	0.75	0.25
May-07	1.50	1.50	
Jun-07	1.50	1.50	
Jul-07	1.50	1.50	
Aug-07	1.50	1.50	
Sep-07	2.00	2.00	
Oct-07	2.00	2.00	
Nov-07	2.00	2.00	
Dec-07	2.00	2.00	
Jan-08	2.00	2.00	