

PRIOR NOTIFICATION FORM

Date: May 4, 2015

Requester: Rex LaMew

Source Name: Apex Generating Station

Source ID (if applicable): 1520

Outstanding Balance (if applicable): 0

Action Needed:

- No Action needed; attach to front page to Permit
- Application needed; send Manager's form letter
- Other:

Comments:

The 502B10 notice is accepted. This will not result in an increase in actual emissions above the permitting thresholds.

Manager's Approval:



Date: 5/5/2015

SCPPA Apex Generating Station

RECEIVED
CC-DAQM

2015 MAY -1 P 3: 31

15555 Apex Power Parkway
Las Vegas, NV 89165
or
P.O. Box 34089
Las Vegas, NV 89133
702-632-8600 Office
702-632-8602 Fax

April 30, 2015

Richard D. Beckstead, Permitting Manager
Nevada Clark County Department of Air Quality
4701 W. Russell Road
Las Vegas, Nevada 89118-2231

Subject: 502(b)(10) Change for Apex Generating Station, Part 70 Permit #1520,

Dear Mr. Beckstead:

SCPPA Apex Generating Station formerly Las Vegas Power Company, LLC, submits this written notice of a Section 502(b)(10) change pursuant to AQR 12.5.2.12 for the Apex Generating Station, Part 70 Operating Permit, Number 1520. This notice is based on the guidance we received from DAQ staff during our telephone discussion on April 28, 2015.

Brief Description of the Change and the Need for the Change and the Dates on which the Change will occur.

Apex is requesting to operate a separate emergency diesel generator for the purposes of providing uninterrupted power source to the post weld heat treatment process. Due to various outage electrical work, normal plant power supply will be sporadically unavailable throughout the outage.

Apex is requesting to operate this unit for no more than 168 operating hours.

Operating in this alternative mode will begin no sooner than May 8, 2015 and will be completed by no later than May, 15 2015. Following May 15, 2015, operations will be in conformance with Part 70 Operating Permit Number 1520.

The following table summarizes the 502(b)(10) changes.

Emission Unit #	Emission Unit Description	Current Hours of Operation Authorized (hr/day)	502(b)(10) Hours of Operation (hr/day)
N/A	United Rentals Generator 180-199 KVA (See attached equipment specifications).	0	24

Qualification for Change Pursuant AOR 19.4.1.8

1. The Changes do Not Constitute Title I Modifications[AOR 19.4.1.8(a)]

The changes are not modifications under any provision of Title I of the Clean Air Act. As noted above, the changes will result in a decrease in emissions. Further, the PTE for the 502(b)(10) operating scenario is less than the significant emission rates for all pollutants. The source will remain a minor source of hazardous air pollutants.

2. The changes do not contravene federally enforceable permit terms and conditions pertaining to monitoring, record-keeping, reporting, or compliance certification requirement [AOR 19.4.1.8(b)]

This 502(b)(10) change does not propose any changes to permit terms pertaining to monitoring, record-keeping, reporting or compliance certification requirements. Additionally, as noted below, Apex is proposing **additional** monitoring, recordkeeping and reporting provisions related to the operation of the temporary generator.

Additional Monitoring, Recordkeeping and Reporting Provisions Related to the Operation of the Portable Generator

In addition to the monitoring, recordkeeping and reporting requirements currently required by the permit, Apex will complete the following:

- Keep records of the start and end dates of the 502(b)(10) change.
- Monitor and record the hours of operation of the portable generator during the duration.
- Perform one visible emission observation when the portable generator is operating and keep records of this observation. (The visible emissions from the portable generator will not exceed an average of 20% opacity for a period of more than 6 consecutive minutes.)
- Above records will be included in the Bi-Annual Emissions report to be submitted in July 2015.

Should you have any question or require additional information, please feel free to contact myself at rex.lamew@ethosenergygroup.com or 702-632-8610 or the Plant Site HSE representative Jim Colmey at james.colmey@ethosenergygroup.com, or 702-632-8630.

Mr. Beckstead
April 30, 2015
Page 3

Based on the information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

Sincerely,

A handwritten signature in cursive script that reads "Rex LaMew". The signature is written in black ink and is positioned below the word "Sincerely,".

Rex LaMew
Plant Manager

	JOHN DEERE POWER SYSTEMS	EXECUTIVE ORDER U-R-004-0386 New Off-Road Compression-Ignition Engines
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Pursuant to the authority vested in the Air Resources Board by Sections 43013, 43018, 43101, 43102, 43104 and 43105 of the Health and Safety Code; and

Pursuant to the authority vested in the undersigned by Sections 39515 and 39516 of the Health and Safety Code and Executive Order G-02-003;

IT IS ORDERED AND RESOLVED: That the following compression-ignition engines and emission control systems produced by the manufacturer are certified as described below for use in off-road equipment. Production engines shall be in all material respects the same as those for which certification is granted.

MODEL YEAR	ENGINE FAMILY	DISPLACEMENT (liters)	FUEL TYPE	USEFUL LIFE (hours)
2010	AJDXL06.8104	4.5, 6.8	Diesel	8000
SPECIAL FEATURES & EMISSION CONTROL SYSTEMS			TYPICAL EQUIPMENT APPLICATION	
Electronic Control Module, Direct Diesel Injection, Turbo Charger, Charge Air Cooler, Smoke Puff Limiter			Loaders, Tractor, Pump, Compressor, Generator Set, Other Industrial Equipment	

The engine models and codes are attached.

The following are the exhaust certification standards (STD), or family emission limit(s) (FEL) as applicable, and certification levels (CERT) for hydrocarbon (HC), oxides of nitrogen (NOx), or non-methane hydrocarbon plus oxides of nitrogen (NMHC+NOx), carbon monoxide (CO), and particulate matter (PM) in grams per kilowatt-hour (g/kw-hr), and the opacity-of-smoke certification standards and certification levels in percent (%) during acceleration (Accel), lugging (Lug), and the peak value from either mode (Peak) for this engine family (Title 13, California Code of Regulations, (13 CCR) Section 2423):

RATED POWER CLASS	EMISSION STANDARD CATEGORY		EXHAUST (g/kw-hr)					OPACITY (%)		
			HC	NOx	NMHC+NOx	CO	PM	ACCEL	LUG	PEAK
130 ≤ kW < 225	Tier 3	STD	N/A	N/A	4.0	3.5	0.20	20	15	50
		CERT	--	--	3.6	1.3	0.18	14	3	30

BE IT FURTHER RESOLVED: That for the listed engine models, the manufacturer has submitted the information and materials to demonstrate certification compliance with 13 CCR Section 2424 (emission control labels), and 13 CCR Sections 2425 and 2426 (emission control system warranty).

Engines certified under this Executive Order must conform to all applicable California emission regulations.

This Executive Order is only granted to the engine family and model-year listed above. Engines in this family that are produced for any other model-year are not covered by this Executive Order.

Executed at El Monte, California on this 29 day of December 2009.



Annette Hebert, Chief
Mobile Source Operations Division

Date: 12/08/09

Attachment 1 of 1

Engine Model Summary Form

EO #: U-R-004-0386

Manufacturer: John Deere Power Systems
Engine category: Nonroad CI
EPA Engine Family: AJDXL06.0104
Mtr Family Name: 350HAB
Process Code: New Submission

Table with 9 columns: 1.Engine Code, 2.Engine Model, 3.BHP@RPM (SAE Gross), 4.Fuel Rate: mm3/stroke @ peak HP (for diesel only), 5.Fuel Rate: (lb/hr) @ peak HP (for diesels only), 6.Torque @ RPM (SEA Gross), 7.Fuel Rate: mm3/stroke@peak torque, 8.Fuel Rate: (lb/hr)@peak torque, 9.Emission Control Device Per SAE J1930. Rows include models like 6088HF285A, 6088HF285B, etc.

TC, CASB. (Handwritten note with a downward arrow pointing to the table rows)

CLARK COUNTY
DEPARTMENT OF AIR QUALITY
4701 West Russell Road, Suite 200, Las Vegas, Nevada 89118
Part 70 Operating Permit
Source: 1520
Issued in accordance with the
Clark County Air Quality Regulations (AQR)

**ISSUED TO: Southern California Public Power Authority,
Apex Generating Station**

SOURCE LOCATION:

15555 Apex Power Parkway
Apex Valley, Nevada
T18S, R63E, Sections 5
Hydrographic Basin Number: 216

COMPANY ADDRESS:

P.O. Box 34089
Las Vegas, NV 89133

NATURE OF BUSINESS:

SIC Code 4911: Electric Services
NAICS: 221112: Fossil Fuel Electric Power Generation

RESPONSIBLE OFFICIAL:

Name: Bill D. Carnahan
Title: Executive Director of SCPA
Phone: (702) 626-7939
Fax Number: (702) 793-9461

Permit Issuance Date: September 12, 2013
Administrative Revision: January 24, 2014

Expiration Date: September 11, 2018

ISSUED BY: CLARK COUNTY DEPARTMENT OF AIR QUALITY



Lewis Wallenmeyer, Director Department of Air Quality

EXECUTIVE SUMMARY

Apex Generating Station (AGS) is a power generating station located in Apex Valley, Nevada. AGS is situated in Hydrographic area 216 (Garnet Valley). Garnet Valley is designated as PSD area for PM₁₀, PM_{2.5}, CO, NO_x, VOC, and SO₂.

AGS is a major Title V source for PM₁₀, PM_{2.5}, NO_x and CO; and minor for SO₂, and VOC. AGS is also a Categorical Stationary Source, as defined by AQR 12.2.2(j)(1), and a major source of Greenhouse Gases (GHG). Apex Generating Station has a two-on-one combined cycle configuration. The two-on-one unit consists of two 170 MW GE 7FA natural gas turbines, two Coen 460 MMBtu/hour heat recovery steam generators (HRSG) with natural gas fired duct burners for supplemental firing, and a steam turbine generator. The facility also operates a 9.67 MMBtu/hour natural gas-fired fuel gas dewpoint heater (FGDH), a emergency generator, a emergency fire pump, and a rental 9.50 MMBtu/hour propane fired boiler. The boiler is used temporarily during turbine outages and generates steam in order to process turbine wastewater. This Part 70 Operating Permit is issued based on the Title V Renewal application submitted on December 3, 2010.

The following table summarizes the source PTE, in tons per year, for each regulated air pollutant for all emission units addressed by this Part 70 OP:

PM ₁₀	PM _{2.5}	NO _x	CO	SO _x	VOC	HAP
107.03	107.03	208.83	327.49	13.25	60.68	10.88

Pursuant to AQR 12.5, all terms and conditions in Sections I through V and Attachments 1 and 2 in this permit are federally enforceable unless explicitly denoted otherwise.

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I. ACRONYMS

Table I-1: List of Acronyms and Abbreviations

Acronym	Term
AGS	Apex Generating Station
AQR	Clark County Air Quality Regulations
ATC	Authority to Construct
CAA	Clean Air Act or "The Act"
CAM	Compliance Assurance Monitoring
CEMS	Continuous Emissions Monitoring System
CFR	United States Code of Federal Regulations
CO	Carbon Monoxide
CTG	Combustion Turbine-Generator
Air Quality	Clark County Department of Air Quality
DLN	Dry Low-NO _x
EPA	United States Environmental Protection Agency
EU	Emission Unit
FGDH	Fuel Gas Dewpoint Heater
GHG	Greenhouse Gases
gr	Grains
HAP	Hazardous Air Pollutant
HHV	Higher Heating Value
HP	Horse Power
kW	kilowatt
LHV	Lower Heating Value
MACT	Maximum Achievable Control Technology
MMBtu	Millions of British Thermal Units
M/N	Model Number
MW	Megawatt
NAICS	North American Industry Classification System
NO _x	Nitrogen Oxides
NRS	Nevada Revised Statutes
OP	Operating Permit
PEMS	Parametric Emission Monitoring System
PM ₁₀	Particulate Matter less than 10 microns
ppm	Parts per Million
ppmvd	Parts per Million, Volumetric Dry
PTE	Potential to Emit
QA/AC	Quality Assurance/Quality Control
QAP	Quality Assurance Plan
RATA	Relative Accuracy Test Audits
RICE	Reciprocating Internal Combustion Engine
RMP	Risk Management Plan
SCC	Source Classification Codes
scf	Standard Cubic Feet
SIC	Standard Industrial Classification
SIP	State Implementation Plan
S/N	Serial Number
SO ₂	Sulfur Dioxide
SO _x	Sulfur Oxides
STG	Steam Turbine Generator
SU/SD	Startup/Shutdown
TCS	Toxic Chemical Substance

Acronym	Term
ULN	Ultra Low-NO _x
VOC	Volatile Organic Compound

II. GENERAL CONDITIONS

A. General Requirements

1. The Permittee must comply with all conditions of the Part 70 Operating Permit. Any permit noncompliance may constitute a violation of the AQRs, Nevada law, and the CAA, and is grounds for any of the following: enforcement action; permit termination; revocation and re-issuance; revision; or denial of a permit renewal application. *[AQR 12.5.2.6(g)(1)]*
2. If any term or condition of this permit becomes invalid as a result of a challenge to a portion of this permit, the other terms and conditions of this permit shall not be affected and shall remain valid. *[AQR 12.5.2.6(f)]*
3. The Permittee shall pay all permit fees pursuant to AQR Section 18. *[AQR 12.5.2.6(h)]*
4. The permit does not convey any property rights of any sort, or any exclusive privilege. *[AQR 12.5.2.6(g)(4)]*
5. The Permittee shall not hinder, obstruct, delay, resist, interfere with, or attempt to interfere with the Control Officer, or any individual to whom authority has been duly delegated for the performance of any duty by the AQR. *[AQR 5.1]*
6. The Permittee shall allow the Control Officer upon presentation of credentials: *[AQR 4.3 and 12.5.2.8(b)]*
 - a. entry upon the Permittee's premises where the source is located, or emissions-related activity is conducted, or where records must be kept under the conditions of the permit;
 - b. access to inspect and copy, at reasonable times, any records that must be kept under conditions of the permit;
 - c. access to inspect, at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit; and
 - d. access to sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.
7. Any Permittee who fails to submit any relevant facts or who has submitted incorrect information in a permit application shall, upon becoming aware of such failure or incorrect submittal, promptly submit such supplementary facts or corrected information. In addition, the Permittee shall provide additional information as necessary to address any requirements that become applicable to the source after the date it filed a complete application but prior to release of a draft permit. A responsible official shall certify the additional information consistent with the requirements of AQR Section 12.5.2.4. *[AQR 12.5.2.2]*
8. The Permittee who has been issued a permit under Section 12.5 shall post such permit in a location which is clearly visible and accessible to the facility's employees and representatives of the department. *[AQR 12.5.2.6(m)]*

B. Modification, Revision, Renewal Requirements

1. No person shall begin actual construction of a New Part 70 source, or modify or reconstruct an existing Part 70 source that falls within the preconstruction review applicability criteria, without first obtaining an Authority to Construct Permit from the Control Officer. *[AQR 12.4.1.1(a)]*

2. The permit may be revised, revoked, reopened and reissued, or terminated for cause. The filing of a request by the Permittee for a permit revision, revocation, reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. *[AQR 12.5.2.6(g)(3)]*
3. A permit, permit revision, or renewal may be approved only if all of the following conditions have been met: *[AQR 12.5.2.10(a)]*
 - a. The Permittee has submitted to the Control Officer a complete application for a permit, permit revision, or permit renewal, except that a complete application need not be received before a Part 70 general permit is issued pursuant to Section 12.5.2.20; and
 - b. The conditions of the permit provide for compliance with all applicable requirements and the requirements of Section 12.5
4. The Permittee shall not build, erect, install or use any article, machine, equipment or other contrivance, the use of which, without resulting in a reduction in the total release of air contaminants to the atmosphere reduces or conceals an emission which would otherwise constitute a violation of an applicable requirement. *[AQR 80.1]*
5. No permit revisions shall be required under any approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes that are provided for in the permit. *[AQR 12.5.2.6(i)]*
6. Permit expiration terminates the Permittee's right to operate unless a timely and complete renewal application has been submitted. *[AQR 12.5.2.11(b)]*
7. For purposes of permit renewal, a timely application is a complete application that is submitted at least six (6) months and not greater than eighteen (18) months prior to the date of permit expiration. If a source submits a timely application under this provision, it may continue operating under its current Part 70 Operating Permit until final action is taken on its application for a renewed Part 70 Operating Permit. *[AQR 12.5.2.1(a)(2)]*

C. Reporting/Notifications/Providing Information Requirements

1. The Permittee shall submit all reports to the Control Officer. *[AQR 12.5.2.8(e)(4)]*
2. Any application form, report, or compliance certification submitted pursuant to the permit or AQRs shall contain certification by a responsible official of truth, accuracy, and completeness. This certification and any other certification required under AQR 12.5 shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. *[AQR 12.5.2.6(l)]*
3. The Permittee shall furnish to the Control Officer, within a reasonable time, any information that the Control Officer may request in writing to determine whether cause exists for revising, revoking and reissuing, or terminating the permit, or to determine compliance with the permit. Upon request, the Permittee shall also furnish to the Control Officer copies of records required to be kept by the permit or, for information claimed to be confidential, the Permittee may furnish such records directly to the Administrator along with a claim of confidentiality. *[AQR 12.5.2.6(g)(5)]*
4. Upon request of the Control Officer, the Permittee shall provide such information or analyses as will disclose the nature, extent, quantity or degree of air contaminants which are or may be discharged by such source, and type or nature of control equipment in use, and the Control Officer may require such disclosures be certified by a professional engineer

registered in the state. In addition to such report, the Control Officer may designate an authorized agent to make an independent study and report as to the nature, extent, quantity or degree of any air contaminants which are or may be discharged from the source. An authorized agent so designated is authorized to inspect any article, machine, equipment, or other contrivance necessary to make the inspection and report. [AQR 4.4]

5. The Permittee shall submit annual emissions inventory reports based on the following: [AQR 18.6.1]
 - a. The annual emissions inventory must be submitted to Air Quality by March 31 of each calendar year; and
 - b. The report shall include the emission factors and calculations used to determine the emissions from each permitted emission unit, even when an emission unit is not operated.

D. Compliance Requirements

1. The Permittee shall not use as a defense in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain *compliance* with the conditions of *this permit*. [AQR 12.5.2.6(g)(2)]
2. Any person who violates any provision of AQR, including, but not limited to, any application requirement; any permit condition; any fee or filing requirement; any duty to allow or carry out inspection, entry or monitoring activities or any requirements by Air Quality guilty of a civil offense and shall pay civil penalty levied by the Air Pollution Control Hearing Board and/or the Hearing Officer of not more than \$10,000. Each day of violation constitutes a separate offense. [AQR 9.1]
3. Any person aggrieved by an order issued pursuant to AQR Section 9 is entitled to review as provided in Chapter 233B of NRS. [AQR 9.12]
4. The Permittee shall comply with the requirements of 40 CFR 61, Subpart M, of the National Emission Standard for Asbestos, if applicable, for all demolition and renovation projects. [AQR 13.1(b)(8)]
5. The Permittee shall submit compliance certifications annually in writing to the Control Officer (4701 W Russell Road, Ste 200, Las Vegas, NV 89118) and the Administrator at USEPA Region IX (Director, Air and Toxics Divisions, 75 Hawthorne St., San Francisco, CA 94105). A compliance certification for each year will be due on January 30th of the following year and shall include the following: [AQR 12.5.2.8(e)]
 - a. The identification of each term or condition of the permit that is the basis of the certification;
 - b. The identification of the methods or other means used by the Permittee for determining the compliance status with each term and condition during the certification period. The methods and means shall include, at a minimum, the monitoring and related recordkeeping and reporting requirements described in 40 CFR 70.6(a)(3). If necessary, the Permittee shall also identify any other material information that must be included in the certification to comply with Section 113(c)(2) of the Act, which prohibits knowingly making a false certification or omitting material information; and

- c. The status of compliance with the terms and conditions of the permit for the period covered by the certification, including whether compliance during the period was continuous or intermittent. The certification shall be based on the methods or means designated in subsection II.D.5(b). The certification shall identify each deviation and take it into account in the compliance certification. The certification shall also identify, as possible exceptions to compliance, any periods during which compliance is required and in which an excursion or exceedance, as defined under 40 CFR Part 64, occurred.
6. The Permittee shall report to the Control Officer (4701 West Russell Road, Suite 200, Las Vegas, NV 89118) any upset, breakdown, malfunction, emergency or deviation which cause emissions of regulated air pollutants in excess of any limits set by regulation or by this permit. The report shall be in two parts as specified below: *[AQR 12.5.2.6(d)(4)(B) and AQR 25.6.1]*
 - a. within twenty-four (24) hours of the time the Permittee learns of the excess emissions, the report shall be communicated by phone (702) 455-5942, fax (702) 383-9994, or email.
 - b. within seventy-two (72) hours of the notification required by paragraph (a) above, the detailed written report containing the information required by AQR Section 25.6.3 shall be submitted.
7. The Permittee shall report to the Control Officer with the semi-annual monitoring report all deviations from permit conditions that do not result in excess emissions, including those attributable to malfunction, startup, or shutdown. Reports shall identify the probable cause of each deviation and any corrective actions or preventative measures taken. *[AQR 12.5.2.6(d)(4)(B)]*
- 8.
9. The owner or operator of any source required to obtain a permit under Section 12 shall report to the Control Officer emissions that are in excess of an applicable requirement or emission limit that pose a potential imminent and substantial danger to public health, safety or the environment as soon as possible, but in no case later than twelve (12) hours after the excess emissions is discovered, with a written report submitted within two (2) days of the occurrence. *[AQR 25.6.2]*

E. Performance Testing Requirements

1. Upon request of the Control Officer, the Permittee shall test or have tests performed to determine the emissions of air contaminants from any source whenever the Control Officer has reason to believe that an emission in excess of that allowed by the Air Quality regulations is occurring. The Control Officer may specify testing methods to be used in accordance with good professional practice. The Control Officer may observe the testing. All tests shall be conducted by reputable, qualified personnel. *[AQR 4.5]*
2. Upon request of the Control Officer, the Permittee shall provide necessary holes in stacks or ducts and such other safe and proper sampling and testing facilities, exclusive of instruments and sensing devices, as may be necessary for proper determination of the emission of air contaminants. *[AQR 4.6]*
3. The Permittee shall submit for approval a performance testing protocol which contains testing, reporting, and notification schedules, test protocols, and anticipated test dates to the Control Officer (4701 West Russell Road, Suite 200, Las Vegas, NV 89118) not less than 45

nor more than 90 days prior to the anticipated date of the performance test, unless an alternate timeline is approved by the Control Officer. *[AQR 12.5.2.8]*

4. The Permittee shall submit to EPA for approval any alternative test methods that are not already approved by EPA. *[40 CFR 60.8(b)]*
5. The Permittee shall submit a report describing the results of each performance test to the Control Officer within 60 days from the end of the performance test. *[AQR 12.5.2.8]*

III. EMISSION UNITS AND APPLICABLE REQUIREMENTS

A. Emission Units

The stationary source covered by this Part 70 OP is defined to consist of the emission units and associated appurtenances summarized in Table III-A-1. [NSR ATC Modification 0, Revision 0, Section II-A (03/29/01) and AQR 12.5.2.14(a)]

Table III-A-1: List of Emission Units

EU	Description	Rating	Make	Model #	Serial #
A01	Stationary Gas Turbine, natural gas fired, MEQ = 170	170 MW	GE	7FA	297836
A02	Duct Burner for HRSG associated with A01	460 MMBtu/hr	Coen		40D-13761-1-000
A03	Stationary Gas Turbine, natural gas fired, MEQ = 170	170 MW	GE	7FA	297837
A04	Duct Burner for HRSG associated with A03	460 MMBtu/hr	Coen		40D-13761-1-000
A05	Fuel Gas Dewpoint Heater	9.67 MMBtu/hr	Total Energy Resources Inc.		618614
A06	Emergency Electrical Generator	1,180 hp	Caterpillar	3412	1EZ02448
A07	Emergency Fire Pump	270 hp	Caterpillar	3208	03Z17773
A09	Rental Boiler	9.5 MMBtu/hr	various	various	

B. Emission Limitations and Standards

1. Emission Limits

- a. The Permittee shall not exceed the PTE from each emission unit listed in Table III-B-1 in any consecutive 12-months. Tons-per-year emission limits of each emission unit include startup and shutdown emissions. [NSR ATC Modification 0, Revision 0, Section II-B-1 (03/29/01), NSR ATC Modification 2, Revision 2, Section II-B, (03/09/07) and AQR 12.5.2.14(a)]

Table III-B-1: Emission Unit PTE, Including Startup and Shutdowns (tons per year)

EU	PM ₁₀	PM _{2.5}	NO _x	CO	SO _x	VOC
A01/A02	53.18	53.18	98.59	161.06	6.44	30.04
A03/A04	53.18	53.18	98.59	161.06	6.44	30.04
A05	0.32	0.32	4.15	3.49	0.03	0.23
A06	0.18	0.18	4.68	1.04	0.12	0.21
A07	0.15	0.15	2.09	0.45	0.14	0.21
A09	0.02	0.02	0.73	0.39	0.08	0.03

- b. The Permittee shall limit the emissions, excluding startup and shutdowns, from each turbine/duct burner to the emission rates listed in Table III-B-2. [NSR ATC Modification 0, Revision 0, Section II-B-1 (03/29/01), NSR ATC Modification 2, Revision 2, Section II-B, (03/09/07) and AQR 12.5.2.14(a)]
- c. The Permittee shall limit NO_x and CO emissions, for each turbine/duct burner (EUs: A01/A02 and A03/A04) to the emission rates listed in Table III-B-2, averaged per any consecutive 3-hour

period, demonstrated by the CEMS described in Section III-C, excluding startup or shutdown periods. *[NSR ATC Modification 0, Revision 0, Condition III-B-9 (03/29/01)]*

Table III-B-2: Emission Rate Limitations, Excluding Startup and Shutdowns (pounds per hour)

EU	PM ₁₀	NO _x	CO	VOC
A01/A02	13.00	23.00	47.00	10.70
A03/A04	13.00	23.00	47.00	10.70

- d. The Permittee shall not exceed the concentration limits listed in Table III-B-3 for each turbine/duct burner, during normal operation. *[NSR ATC Modification 0, Revision 0, Section II-B-1 (03/29/01)]*

Table III-B-3: Emission Concentration Limitations Excluding Startup and Shutdown

EU	NO _x @ 15% O ₂	CO @ 15% O ₂	VOC @ 15% O ₂
A01/A02	3.0 ppmvd	10 ppmvd	4.0 ppmvd
A03/A04	3.0 ppmvd	10 ppmvd	4.0 ppmvd

- e. The Permittee shall not discharge into the atmosphere, from any emission unit, any air contaminant in excess of an average of 20 percent opacity for a period of more than 6 consecutive minutes. *[NSR ATC Modification 2, Revision 0, Condition III-B-11 (12/20/01) and AQR 26.1.1]*
- f. The Permittee shall not cause to be discharged into the atmosphere from each turbine/duct burner unit (EUs: A01-A04) any gases which contains PM in excess of 0.03 pounds per MMBtu. *[40 CFR 60.42Da and NSR ATC/OP Modification 2, Revision 1, Condition III-B-7 (03/14/06)]*
- g. The Permittee shall not cause to be discharged into the atmosphere from each turbine/duct burner (EUs: A01 through A04) any gases which contains NO_x in excess of 0.20 pounds per MMBtu. *[40 CFR 60.44Da and NSR ATC/OP Modification 2, Revision 1, Condition III-B-8 (03/14/06)]*

2. Operational Limits

Stationary Gas Turbines and Duct Burners (EUs: A01 through A04):

- a. The Permittee shall limit operation of each turbine unit to the limits specified in Table III-B-4 per any consecutive twelve-months: *[NSR ATC/OP Modification 2, Revision 0, Condition III-A-1 (03/14/06)]*

Table III-B-4: Fuel Limitations for Turbine Units

Equipment	Fuel Type	Max. Hourly MMBtu	Max. Yearly MMBtu
Each Turbine (A01 and A03)	Natural gas	1,980 (HHV)	17,344,800
Each Duct Burner (A02 and A04)	Natural gas	460 (HHV)	2,300,000

- b. The Permittee shall limit operation of each duct burner to 5,000 hours per any consecutive 12-months (EUs: A02 and A04). *[NSR ATC Modification 1, Revision 0, Condition III-A-2 (07/20/01)]*
- c. The Permittee shall define startup as the period beginning with ignition and lasting until a turbine has reached a continuous and stable operating level, the turbine is operating in dry low-NO_x mode, and the selective catalytic reduction (SCR) control device has reached

optimal operating temperature. A continuous and stable operating level shall be considered as having been achieved fifteen (15) minutes following the turbine going into dry low NO_x mode. Maintenance activities are also considered startup activities and are recorded by the DAHS as operating in startup mode. Shutdown means the period beginning with lowering of the electric load of a turbine below 50 percent of nameplate capacity and ending when combustion has ceased. *[NSR ATC Modification 2, Revision 5, Condition III-A-3 (12/20/01) and AQR 12.5.2.6(a)]*

- d. The Permittee shall limit startup and shutdown hours per turbine to 876 hours per any consecutive 12-months. Startup and shutdown emission shall be reported as recorded by CEMS. *[NSR ATC/OP Modification 2, Revision 2, Condition III-A-5 (03/09/07)]*

Emergency Generator and Fire Pump

- e. The Permittee shall limit operation of each emergency generator and fire pump, (EUs: A06 and A07) for testing and maintenance purposes to 100 hours each per year. The Permittee may operate each emergency generator and fire pump up to 50 hours each per year for non-emergency situations other than testing and maintenance, but those count towards the 100 hours provided for testing and maintenance. The 50 hours per year for nonemergency situations cannot be used for peak shavings or to generate income for the facility. *[40 CFR 63.6640(f)]*

Rental Boiler

- f. The Permittee shall limit operation of the rental boiler (EU: A09) to 1,000 hours per consecutive 12-months. *[AQR 12.5.2.6(a)]*

3. Emission Controls

Stationary Gas Turbines and Duct Burners (EU: A01 through A04):

- a. The Permittee shall operate and maintain each turbine unit with SCR and dry low NO_x burners (EUs: A01 through A04). *[NSR ATC Modification 2, Revision 1, Condition III-B-1 (01/12/06) and AQR 12.5.2.14]*
- b. The Permittee shall operate each SCR system such that NO_x emissions do not exceed the limitations listed in Table III-B-2 and III-B-3, excluding periods of startup and shutdown (EUs: A01 through A04). *[NSR ATC Modification 0, Revision 0, Condition III-B-3 (03/29/01)]*
- c. The Permittee shall operate the SCR system at all times the associated turbine(s) units are in operation, excluding startup and shutdown (EUs: A01 through A04). *[NSR ATC Modification 0, Revision 0, Condition III-B-2 (03/29/01)]*
- d. The Permittee shall operate and maintain the oxidation catalyst to control CO and VOC on each stationary gas turbine unit (EUs: A01 through A04). *[NSR ATC Modification 0, Revision 0, Condition III-B-5 (03/29/01) and AQR 12.5.2.14]*
- e. The Permittee shall operate the oxidation catalyst at all times the associated turbine unit is operating, excluding periods of startup and shutdown (EUs: A01 through A04). *[NSR ATC Modification 0, Revision 0, Condition III-B-4 (03/29/01)]*The Permittee shall control the SO₂ exhaust emissions from each stationary gas turbines and duct burners (EUs: A01 through A04) by the exclusive use of pipeline quality natural gas and good combustion practices. *[NSR ATC Modification 2, Revision 0, Condition III-B-8 (12/20/01)]*
- f. The Permittee shall control PM₁₀ exhaust emissions from each stationary gas turbine and duct burner (EUs: A01 through A04) per manufacturer's recommendations, good operating

practice and maintaining, and periodically replacing, inlet air filters preceding each turbine. *[NSR ATC Modification 2, Revision 0, Condition III-B-9 (12/20/01)]*

Fuel Gas Dewpoint Heater

- g. The Permittee shall combust only natural gas in the FGDH (EU: A05). *[AQR 12.5.2.14]*
- h. The Permittee shall operate and maintain the FGDH in accordance with the manufacturer's specifications (EU: A05). *[AQR 12.5.2.14]*

Emergency Generator and Fire Pump

- i. The Permittee shall operate the emergency generator with fuel injection, timing retardation, turbochargers, and aftercooling (EU: A06). *[AQR 12.5.2.14]*
- j. The Permittee shall operate the fire pump with turbochargers (EU: A07). *[AQR 12.5.2.14]*
- k. The Permittee shall operate and maintain the emergency generator and fire pump in accordance with the manufacturer's operations and maintenance instructions (EUs: A06 and A07). *[AQR 12.5.2.14]*
- l. The Permittee shall combust only low sulfur (<0.05 percent sulfur by weight) diesel fuel in both the emergency generator and fire pump (EUs: A06 and A07). *[NSR ATC Modification 1, Revision 0, Condition III-A-5 and 6 (07/20/01)]*
- m. The Permittee shall maintain the emergency generator and fire pump as follows, unless the manufacturer's specifications are more stringent (EUs: A06 and A07): *[40 CFR 63.6603 and AQR 12.5.2.14]*
 - i. Change oil and filter every 500 hours of operation or annually, whichever comes first;
 - ii. Inspect air cleaners every 1,000 hours of operation or annually, whichever comes first; and
 - iii. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.

Rental Boiler

- n. The Permittee shall combust only propane gas in the rental boiler (EU: A09). *[AQR 12.5.2.14]*
- o. The Permittee shall operate and maintain the rental boiler in accordance with the manufacturer's operations and maintenance instructions (EU: A09). *[AQR 12.5.2.14]*

Other

- p. The Permittee shall, under all conditions, maintain and operate the source in a manner consistent with good air pollution control practice for minimizing emissions as required by 40 CFR 60.11. *[NSR ATC Modification 0, Revision 0, Condition III-C-3 (03/29/01)]*
- q. The Permittee shall not cause, suffer or allow the discharge from any source whatsoever such quantities of air contaminants or other material which cause a nuisance, including excessive odors. *[AQR 40 and AQR 43]*

C. Monitoring

Stationary Gas Turbines and Duct Burners (EUs: A01 through A04)

1. The Permittee shall install, calibrate, maintain, operate, and certify CEMS for NO_x, CO, and O₂ on each stationary gas turbine unit (EUs: A01 through A04) in accordance with 40 CFR 75 and 40 CFR 60, Appendix F as applicable. Each CEMS shall include an automated data acquisition and handling system. Each system shall monitor and record at least the following data: *[40 CFR 75, Subpart F and NSR ATC Modification 2, Revision 0, III-E-1 (12/20/01)]*
 - a. exhaust gas concentrations (in ppm) of NO_x, CO, and diluent O₂ including periods of start-up and shutdown;
 - b. exhaust gas flow rate (by direct or indirect methods);
 - c. fuel flow rate of the turbines and duct burners;
 - d. hours of operation;
 - e. consecutive 3-hour averages of each NO_x and CO concentrations (in ppm);
 - f. hourly and consecutive 12-month accumulated mass emissions of NO_x and CO; and
 - g. hours of downtime of the CEMS.
2. The Permittee shall maintain a quality assurance plan (QAP) that contains auditing and reporting schedules, design specifications and other quality assurance requirements for the CEMS and/or PEMS systems. The CEMS shall conform to applicable provisions of 40 CFR 60.13 and 40 CFR 60, Subpart GG and 40 CFR Part 75. Audit procedures shall conform to the applicable provisions of 40 CFR 60, Appendix F and 40 CFR Part 75, Appendix B. *[40 CFR 75 and NSR ATC Modification 2, Revision 0, III-E-1 (12/20/01)]*
3. The Permittee shall conduct relative accuracy test audits (RATA) of the NO_x, CO and O₂ CEMS as required at least every four calendar quarters, except in the case where the affected facility is off-line (does not operate) in the fourth calendar quarter since the quarter of the previous RATA. In that case, the RATA shall be performed in the quarter in which the unit recommences operation. *[NSR ATC Modification 2, Revision 0, III-E-1 (12/20/01) and 40 CFR 60, Appendix F 5.1.1 and 5.1.4]*
4. Any exceedance of the hourly, or annual NO_x and/or CO emissions limitations expressed in Section III as determined by the respective CEMS, the Permittee shall be considered a violation of the emission limits imposed in this permit and may result in enforcement action. Compliant CEMS data, however, does not preclude the use of other credible evidence in determining or showing compliance. *[NSR ATC Modification 2, Revision 0, III-E-6 (12/20/01)]*
5. The Permittee shall monitor the record fuel flow with a Continuous Monitoring System that utilizes a non-resettable fuel meter for each combined cycle turbine and each duct burner. *[NSR ATC Modification 2, Revision 0, III-E-8 (12/20/01)]*
6. The Permittee shall verify compliance with fuel gas sulfur content in accordance with 40 CFR 60.334(h). *[40 CFR 60.334(h)]*
7. The Permittee shall determine the heating value and consumption rate for natural gas for all turbine units (EUs: A01 through A04) based on conditions of one atmosphere pressure (29.92 inches of mercury) and 68° F as specified in EPA Test Method 19. *[NSR ATC Modification 0, Revision 0, Condition III-B-6 (03/29/01)]*

Emergency Generator and Fire Pump

8. The Permittee shall operate the emergency generator and fire pump each with a non-resettable hour meter and monitor the duration of operation for testing, maintenance and non-emergency operation, and separately for emergencies. The nature of the emergency

leading to the emergency operation shall be documented (EUs: A06 and A07). [40 CFR 63.6640]

9. The Permittee shall monitor the sulfur content of the fuel burned in the emergency generator and fire pump by retaining a copy of vendor fuel specifications (EUs: A06 and A07). [NSR ATC Modification 1, Revision 0, Condition III-A-5 and 6 (07/20/01)]

Rental Boiler

10. The Permittee shall operate the rental boiler with a non-resettable hour meter or other devices approved in advance by the Control Officer, and monitor the hours of operation. [AQR 12.5.2.6(d)]
11. The Permittee shall perform initial burner efficiency tests on boilers remaining onsite for 180 consecutive days or greater, or attain the boiler rental company's records on burner efficiency tests performed within one year prior to the initial onsite startup of the boiler. Initial burner efficiency tests shall be performed within 180 days after initial onsite startup of the boiler. (EU: A09). [AQR 12.5.2.6]
12. The Permittee shall conduct burner efficiency tests on the boiler, or attain the boiler rental company's records on burner efficiency tests in accordance with the manufacturer's specifications for good combustion practices, if a test is necessary. Alternative methods may be used after prior approval from the Control Officer (EU: A09). [AQR 12.5.2.6]

Opacity

13. The Permittee shall perform visual emissions checks each calendar quarter on a plant-wide level for each emission unit. The quarterly visual checks shall include the stationary gas turbines and duct burners, the fuel gas dewpoint heater, the emergency generator, the fire pump and the rental boiler (EUs: A01 through A07, and A09) while operating, not necessarily simultaneously, to demonstrate compliance with the opacity limit. If any of the emission units do not operate during the calendar quarter, then no observation of that unit shall be required for that unit. If visible emissions are observed, then corrective actions shall be taken to minimize the emissions and the opacity of emissions shall be visually determined in accordance with 40 CFR 60 Appendix A: Reference Method 9. [40 CFR 70.6 and AQR 26]

D. Testing

Stationary Gas Turbines and Duct Burners (EUs: A01 through A04)

1. The Permittee's performance testing is subject to 40 CFR 60 Subparts A, Da, and GG; and Air Quality's Guidelines on Source Testing. [AQR 14.1.9 and AQR 14.1.46 and 40 CFR 60.335 and NSR ATC Modification 2, Revision 0, III-E-8 (12/20/01)]
2. The Permittee shall conduct performance tests for VOC and PM₁₀ and opacity on both the turbine units and associated duct burners (EUs: A02 and A04). The Permittee shall demonstrate compliance with the 3-hour average part-per-million and pound-per-hour limits in this permit.
3. The Permittee shall demonstrate compliance with the hourly and yearly emission limitations for VOC and PM₁₀ for turbine units (EUs: A01 and A03) and on associated duct burners (EUs: A02 and A04) specified in Part III-B, Tables III-B-2 and III-B-3 as well as the opacity limitations in Condition III-B-1(e) of this permit.
4. The Permittee shall conduct a performance test for VOC and PM₁₀ and opacity within 90 days of each five-year anniversary date of the previous performance test. [AQR 12.5.2.6 and NSR ATC Modification 0, Revision 0, III-D-5 (03/29/01)]

5. Table III-D-1 summarizes VOC and PM₁₀ and opacity performance test methods for all combustion turbines. *[NSR ATC Modification 2, Revision 0, III-D-4 (12/20/01)]*

Table III-D-1: Performance Testing Protocol Requirements for Turbines/Duct Burners

Test Point	Pollutant	Method (40 CFR 60, Appendix A)
Turbine Exhaust Outlet Stack	VOC	EPA Method 18 or Method 25a
Turbine Exhaust Outlet Stack	PM ₁₀	EPA Method 201/202 or 201A/202
Turbine Exhaust Outlet Stack	Opacity	EPA Method 9
Stack Gas Parameters	---	EPA Methods 1, 2, 3, 4

E. Record Keeping

1. The Permittee shall comply with all applicable record keeping requirements of 40 CFR 60.7, 40 CFR 60 Subpart GG, Subpart Da, 40 CFR 72 and 40 CFR 75, Subpart F, 40 CFR Subpart ZZZZ and all other applicable regulations. *[NSR ATC Modification 2, Revision 0, III-H-1 (12/20/01) and AQR 12.5.2.6(d)(2)]*
2. The Permittee shall maintain records on site that include, at a minimum: *[NSR ATC Modification 2, Revision 0, III-H-1 (12/20/01) and AQR 12.5.2.6(d)(2)]*

Stationary Gas Turbines and Duct Burners (EUs: A01 through A04)

- a. rolling 12-month total hours of operation of each duct burner;
- b. hourly and rolling 12-month total quantity of natural gas consumed in each stationary gas turbine;
- c. hourly and rolling 12-month total quantity of natural gas consumed in each duct burner;
- d. hourly and rolling 12-month heat input to each turbine and duct burners;
- e. sulfur content of natural gas as determined by Condition III-B-3(k);
- f. dates, times, and duration of each startup and shutdown cycle;
- g. startup and shutdown short-term total emissions for stationary gas turbines in pounds per hour and annual emissions for all turbines in tons per year (12-month consecutive total);
- h. performance testing results;

CEMS and PEMS:

- i. hourly CEMS NO_x and SCR operating data to determine the achievability of 3 ppm, three-hour average NO_x limitation
- j. CEMS audit results, RATA, corrective actions, etc., as required by 40 CFR 60 and the CEMS quality assurance plan;
- k. CEMS information required by the CEMS monitoring plan as specified in 40 CFR 75 Subpart F;
- l. time, duration, nature, and probable cause of any CEMS downtime and corrective actions taken;
- m. each CEMS "out-of-control" period, as defined in 40 CFR 75, Appendix B;

Fuel Gas Dewpoint Heater (FGDH) (EU: A05):

- n. rolling 12-month total quantity of natural gas consumed in the FGDH;

Emergency Generator and Fire Pump (EUs: A06 and A07):

- o. monthly hours of operation for both the emergency generator and fire pump;
- p. date and duration of operation for both the emergency generator and fire pump for testing, maintenance; and non-emergency use;

- q. date and duration of operation for both the emergency generator and fire pump for emergency use, including documentation justifying use during the emergency;
- r. equipment inspections and maintenance;
- s. sulfur content of diesel fuel used in the emergency generator and fire pump;

Rental Boiler (EU: A09):

- t. rolling 12-month total of hours of operation of the boiler;
- u. burner efficiency test results, or documentation from rental company of burner efficiency test results done on the rental boiler within a consecutive 12-month period;

Other:

- v. dates and time when visible emission checks and observations are taken and the steps taken to make any necessary corrections to bring opacity into compliance;
 - w. magnitude and duration of excess emissions, notifications, monitoring system performance, malfunctions, corrective actions taken, etc., as required by 40 CFR 60.7;
 - x. certificates of representation for the designated representative and the alternate designated representative that meet all requirements of 40 CFR 72.24;
 - y. copies of all reports, compliance certifications, other submissions, and all records made or required under the Acid Rain Program; and
 - z. copies of all documents used to complete an Acid Rain permit application and any other submission under the Acid Rain Program or to demonstrate compliance with the requirements of the Acid Rain Program.
3. The Permittee shall maintain records and data for all inspections, visible emission checks, and testing required under monitoring, logs, reports, and records include at least the date and time, the name of the person performing the action, the results or findings, and the type of corrective action taken (if required). *[AQR 12.5.2.6(d)(2)]*
 4. The Permittee shall maintain all records and data required by this Operating Permit at the Permittee's expense, be audited at any time by a third party selected by the Control Officer. *[NSR ATC Modification 2, Revision 0, III-H-2 (12/20/01) and AQR 4.4 and 12.5.2.6(d)(2)]*
 5. Should this stationary source, as defined in 40 CFR 68.3, become subject to the accidental release prevention regulations in Part 68, then the Permittee shall submit an RMP by the date specified in Section 68.10 and shall certify compliance with the requirements of Part 68 as part of the annual compliance certification as required by 40 CFR 70 or 71. *[40 CFR Subpart 68 and AQR 12.5.2.6(d)(2)]*
 6. All records and logs, or a copy thereof, shall be kept on-site for a minimum of five (5) years from the date the measurement was taken or data was entered and shall be made available to Air Quality upon request. *[NSR ATC Modification 2, Revision 0, III-H-3 (12/20/01) and AQR 12.5.2.6(d)(2)]*
 7. The Control Officer reserves the right to require additional requirements concerning records and record keeping for this source to demonstrate on-going compliance. *[NSR ATC Modification 2, Revision 0, III-H-4 (12/20/01) and AQR 12.5.2.6(d)(2)]*

F. Reporting

1. The Permittee shall submit reports to the Control Officer every six months *[AQR 12.5.2.6(d)]*
2. The following requirements apply to semi-annual reports; *[AQR 12.5.2.6(d)]*
 - a. The report shall include the items, a-c, l, n, o, t, v, and w listed in Section III-E-2.

- b. The report shall include summaries of any permit deviations, their probable cause and corrective or preventative action taken.
 - c. The report shall be based on six calendar months, which includes partial calendar months.
 - d. The report shall be received by Air Quality within 30 calendar days after the reporting period.
3. The Permittee shall submit annual emissions inventory reports based on the following: *[AQR 18.6.1]*
 - a. The annual emissions inventory shall be submitted to Air Quality no later than March 31 after the reporting year.
 - b. The annual emissions inventory report shall include the emission factors and calculations used to determine the emissions from each permitted emission unit, even when an emission unit is not operated.
 4. Regardless of the date of issuance of this Operating Permit, the source shall comply with schedule for report submissions outlined in Table III-E-1:

Table III-E-1: Required Submission Dates¹

Required Report	Applicable Period	Due Date ¹
Semi-annual Report for 1st Six-Month Period	January, February, March, April, May, June	July 30 each year
Semi-annual Report for 2 nd Six-Month Period, Any additional annual records required.	July, August, September, October, November, December	January 30 each year
Annual Compliance Certification Report	Calendar Year	January 30 each year
Annual Emission Inventory Report	Calendar Year	March 31 each year
Notification of Malfunctions, Startup, Shutdowns or Deviations with Excess Emission	As Required	Within 24 hours of the Permittee learns of the event
Report of Malfunctions, Startup, Shutdowns or Deviations with Excess Emission	As Required	Within 72 hours of the notification
Deviation Report without Excess Emissions	As Required	Along with semi-annual reports
Performance Testing	As Required	Within 60 days from the end of the test.

¹ If the due date falls on a Saturday, Sunday or a Federal or Nevada holiday, then the submittal is due on the next regularly scheduled business day

5. The Permittee shall comply with all applicable notification and reporting requirements of 40 CFR 60.7, 40 CFR 60 Subpart Da, 40 CFR 60 Subpart GG, 40 CFR 63, Subpart ZZZZ, 40 CFR 72.9(f), and 40 CFR 75. *[NSR ATC Modification 2, Revision 0, III-I-1 (12/20/01) and AQR 12.5.2.6(d)(2)]*
6. The designated representative or alternate designated representative of an affected source and each affected unit at the source shall submit the reports and compliance certifications required under the Acid Rain Program, including those under 40 CFR 72, 40 CFR 73, and 40 CFR 75. *[40 CFR 72.9(f)]*

7. A RMP is required for the storing, handling, and use of ammonia or aqueous ammonia pursuant to 40 CFR 68. The Permittee shall submit revisions of the RMP to the appropriate authority and a copy thereof to Air Quality. *[40 CFR 68.150(b)(3)]*

G. Mitigation

1. The source has no federal offset requirements. *[AQR 59.1.1]*

IV. ACID RAIN REQUIREMENTS

1. In accordance with the provisions of Title IV of the Clean Air Act and 40 C.F.R. Parts 72 through 77, this Acid Rain Permit is issued to Southern California Public Power Authority – Apex Generating Station, 15555 Apex Power Parkway, Clark County, Nevada.
2. All terms and conditions of the permit are enforceable by Air Quality, EPA and citizens under the Clean Air Act. *[40 CFR 72]*
3. The Permittee shall comply with all the applicable requirements of the Acid Rain Permit Application located in Attachment 2. *[40 CFR 72.30]*
4. This Acid Rain permit incorporates the definitions of terms in 40 CFR Part 72.2.
5. This permit is valid for a term of five (5) years from the date of issuance unless a timely and complete renewal application is submitted to Air Quality. *[40 CFR 72.69]*
6. A timely renewal application is an application that is received at least six months prior to the permit expiration date. *[40 CFR 72.30]*
7. Emissions from this source shall not exceed any allowances that the source lawfully holds under Title IV of the Act or its regulations. *[40 CFR 70.6(a)(4)]*

V. OTHER REQUIREMENTS

1. The Permittee shall not use, sell, or offer for sale any fluid as a substitute material for any motor vehicle, residential, commercial, or industrial air conditioning system, refrigerator freezer unit, or other cooling or heating device designated to use a CFC or HCFC compound as a working fluid, unless such fluid has been approved for sale in such use by the Administrator. The Permittee shall keep record of all paperwork relevant to the applicable requirements of 40 CFR 82 on site. *[40 CFR 82]*

ATTACHMENT 1**APPLICABLE REGULATIONS****REQUIREMENTS SPECIFICALLY IDENTIFIED AS APPLICABLE:**

1. NRS, Chapter 445B.
2. Applicable AQR Sections:

Citation	Title
AQR Section 0	Definitions
AQR Section 4	Control Officer
AQR Section 5	Interference with Control Officer
AQR Section 8	Persons Liable for Penalties – Punishment: Defense
AQR Section 9	Civil Penalties
AQR Section 10	Compliance Schedule
AQR Section 11	Ambient Air Quality Standards
AQR Section 12.5	Part 70 Operating Permit Requirements
AQR Section 13.2(b)(85)	National Emission Standards for Hazardous Air Pollutants (NESHAP) – Stationary Reciprocating Internal Combustion Engines
AQR Section 14.1.b.(9)	Standards of Performance for New Stationary Sources (NSPS) – Standards of Performance for Electric Utility Steam Generating Units for Which Construction is Commenced After September 18, 1978
AQR Section 14.1.b(46)	Standards of Performance for New Stationary Sources (NSPS) – Standards of Performance for Gas Turbines
AQR Section 18	Permit and Technical Service Fees
AQR Section 21	Acid Rain Continuous Emissions Monitoring
AQR Section 22	Acid Rain Permits
AQR Section 25	Upset/Breakdown, Malfunctions
AQR Section 26	Emissions of Visible Air Contaminants
AQR Section 28	Fuel Burning Equipment
AQR Section 40	Prohibition of Nuisance Conditions
AQR Section 41	Fugitive Dust
AQR Section 42	Open Burning
AQR Section 43	Odors in the Ambient Air
AQR Section 70	Emergency Procedures
AQR Section 80	Circumvention

3. CAAA, Authority: 42 U.S.C. § 7401, et seq.
4. Applicable 40 CFR Subsections:

Citation	Title
40 CFR 52.21	Prevention of Significant Deterioration (PSD)
40 CFR 52.1470	SIP Rules
40 CFR 60, Subpart A	Standards of Performance for New Stationary Sources (NSPS) – General Provisions
40 CFR 60, Subpart Da	Standards of Performance for Electric Utility Steam Generating Units for Which Construction is Commenced After September 18, 1978
40 CFR 60, Subpart GG	Standards of Performance for New Stationary Sources (NSPS) – Stationary Gas Turbines
40 CFR 60	Appendix A, Method 9 or equivalent, (Opacity)
40 CFR 63, Subpart ZZZZ	National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines

Citation	Title
40 CFR 68	Chemical Accident Prevention Provisions
40 CFR 70	Federally Mandated Operating Permits
40 CFR 72	Acid Rain Permits Regulation
40 CFR 73	Acid Rain Sulfur Dioxide Allowance System
40 CFR 75	Acid Rain Continuous Emission Monitoring
40 CFR 82	Protection of Stratospheric Ozone



Instructions for the Acid Rain Program Permit Application

The Acid Rain Program requires the designated representative to submit an Acid Rain permit application for each source with an affected unit. A complete Certificate of Representation must be received by EPA before the permit application is submitted to the title V permitting authority. A complete Acid Rain permit application, once submitted, is binding on the owners and operators of the affected source and is enforceable in the absence of a permit until the title V permitting authority either issues a permit to the source or disapproves the application.

Please type or print. If assistance is needed, contact the title V permitting authority.

STEP 1 A Plant Code is a 4 or 5 digit number assigned by the Department of Energy's (DOE) Energy Information Administration (EIA) to facilities that generate electricity. For older facilities, "Plant Code" is synonymous with "ORISPL" and "Facility" codes. If the facility generates electricity but no Plant Code has been assigned, or if there is uncertainty regarding what the Plant Code is, contact EIA at (202) 586-4325 or (202) 586-2402.

STEP 2 In column "a," identify each unit at the facility by providing the appropriate unit identification number, consistent with the identifiers used in the Certificate of Representation and with submissions made to DOE and/or EIA. Do not list duct burners. For new units without identification numbers, owners and operators must assign identifiers consistent with EIA and DOE requirements. Each Acid Rain Program submission that includes the unit identification number(s) (e.g., Acid Rain permit applications, monitoring plans, quarterly reports, etc.) should reference those unit identification numbers in exactly the same way that they are referenced on the Certificate of Representation.

Submission Deadlines

For new units, an initial Acid Rain permit application must be submitted to the title V permitting authority 24 months before the date the unit commences operation. Acid Rain permit renewal applications must be submitted at least 6 months in advance of the expiration of the acid rain portion of a title V permit, or such longer time as provided for under the title V permitting authority's operating permits regulation.

Submission Instructions

Submit this form to the appropriate title V permitting authority. If you have questions regarding this form, contact your local, State, or EPA Regional Acid Rain contact, or call EPA's Acid Rain Hotline at (202) 343-9620.

Paperwork Burden Estimate

The public reporting and record keeping burden for this collection of information is estimated to average 8 hours per response. Burden means the total time, effort, or financial resources expended by persons to generate, maintain, retain, or disclose or provide information to or for a Federal agency. This includes the time needed to review instructions; develop, acquire, install, and utilize technology and systems for the purposes of collecting, validating, and verifying information, processing and maintaining information, and disclosing and providing information; adjust the existing ways to comply with any previously applicable instructions and requirements; train personnel to be able to respond to a collection of information; search data sources; complete and review the collection of information; and transmit or otherwise disclose the information. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number.

Send comments on the Agency's need for this information, the accuracy of the provided burden estimates, and any suggested methods for minimizing respondent burden, including through the use of automated collection techniques to the Director, Collection Strategies Division, U.S. Environmental Protection Agency (2822T), 1200 Pennsylvania Ave., NW., Washington, D.C. 20460. Include the OMB control number in any correspondence. **Do not send the completed form to this address.**

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STEP 3

Read the standard requirements.

Permit Requirements

- (1) The designated representative of each affected source and each affected unit at the source shall:
- (i) Submit a complete Acid Rain permit application (including a compliance plan) under 40 CFR part 72 in accordance with the deadlines specified in 40 CFR 72.30; and
 - (ii) Submit in a timely manner any supplemental information that the permitting authority determines is necessary in order to review an Acid Rain permit application and issue or deny an Acid Rain permit;
- (2) The owners and operators of each affected source and each affected unit at the source shall:
- (i) Operate the unit in compliance with a complete Acid Rain permit application or a superseding Acid Rain permit issued by the permitting authority; and
 - (ii) Have an Acid Rain Permit.

Monitoring Requirements

- (1) The owners and operators and, to the extent applicable, designated representative of each affected source and each affected unit at the source shall comply with the monitoring requirements as provided in 40 CFR part 75.
- (2) The emissions measurements recorded and reported in accordance with 40 CFR part 75 shall be used to determine compliance by the source or unit, as appropriate, with the Acid Rain emissions limitations and emissions reduction requirements for sulfur dioxide and nitrogen oxides under the Acid Rain Program.
- (3) The requirements of 40 CFR part 75 shall not affect the responsibility of the owners and operators to monitor emissions of other pollutants or other emissions characteristics at the unit under other applicable requirements of the Act and other provisions of the operating permit for the source.

Sulfur Dioxide Requirements

- (1) The owners and operators of each source and each affected unit at the source shall:
- (i) Hold allowances, as of the allowance transfer deadline, in the source's compliance account (after deductions under 40 CFR 73.34(c)), not less than the total annual emissions of sulfur dioxide for the previous calendar year from the affected units at the source; and
 - (ii) Comply with the applicable Acid Rain emissions limitations for sulfur dioxide.
- (2) Each ton of sulfur dioxide emitted in excess of the Acid Rain emissions limitations for sulfur dioxide shall constitute a separate violation of the Act.
- (3) An affected unit shall be subject to the requirements under paragraph (1) of the sulfur dioxide requirements as follows:
- (i) Starting January 1, 2000, an affected unit under 40 CFR 72.6(a)(2); or
 - (ii) Starting on the later of January 1, 2000 or the deadline for monitor certification under 40 CFR part 75, an affected unit under 40 CFR 72.6(a)(3).

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Sulfur Dioxide Requirements, Cont'd.

STEP 3, Cont'd.

- (4) Allowances shall be held in, deducted from, or transferred among Allowance Tracking System accounts in accordance with the Acid Rain Program.
- (5) An allowance shall not be deducted in order to comply with the requirements under paragraph (1) of the sulfur dioxide requirements prior to the calendar year for which the allowance was allocated.
- (6) An allowance allocated by the Administrator under the Acid Rain Program is a limited authorization to emit sulfur dioxide in accordance with the Acid Rain Program. No provision of the Acid Rain Program, the Acid Rain permit application, the Acid Rain permit, or an exemption under 40 CFR 72.7 or 72.8 and no provision of law shall be construed to limit the authority of the United States to terminate or limit such authorization.
- (7) An allowance allocated by the Administrator under the Acid Rain Program does not constitute a property right.

Nitrogen Oxides Requirements

The owners and operators of the source and each affected unit at the source shall comply with the applicable Acid Rain emissions limitation for nitrogen oxides.

Excess Emissions Requirements

- (1) The designated representative of an affected source that has excess emissions in any calendar year shall submit a proposed offset plan, as required under 40 CFR part 77.
- (2) The owners and operators of an affected source that has excess emissions in any calendar year shall:
 - (i) Pay without demand the penalty required, and pay upon demand the interest on that penalty, as required by 40 CFR part 77; and
 - (ii) Comply with the terms of an approved offset plan, as required by 40 CFR part 77.

Recordkeeping and Reporting Requirements

- (1) Unless otherwise provided, the owners and operators of the source and each affected unit at the source shall keep on site at the source each of the following documents for a period of 5 years from the date the document is created. This period may be extended for cause, at any time prior to the end of 5 years, in writing by the Administrator or permitting authority:
 - (i) The certificate of representation for the designated representative for the source and each affected unit at the source and all documents that demonstrate the truth of the statements in the certificate of representation, in accordance with 40 CFR 72.24; provided that the certificate and documents shall be retained on site at the source beyond such 5-year period until such documents are superseded because of the submission of a new certificate of representation changing the designated representative;

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Recordkeeping and Reporting Requirements, Cont'd.

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- (ii) All emissions monitoring information, in accordance with 40 CFR part 75, provided that to the extent that 40 CFR part 75 provides for a 3-year period for recordkeeping, the 3-year period shall apply.
 - (iii) Copies of all reports, compliance certifications, and other submissions and all records made or required under the Acid Rain Program; and,
 - (iv) Copies of all documents used to complete an Acid Rain permit application and any other submission under the Acid Rain Program or to demonstrate compliance with the requirements of the Acid Rain Program.
- (2) The designated representative of an affected source and each affected unit at the source shall submit the reports and compliance certifications required under the Acid Rain Program, including those under 40 CFR part 72 subpart I and 40 CFR part 75.

Liability

- (1) Any person who knowingly violates any requirement or prohibition of the Acid Rain Program, a complete Acid Rain permit application, an Acid Rain permit, or an exemption under 40 CFR 72.7 or 72.8, including any requirement for the payment of any penalty owed to the United States, shall be subject to enforcement pursuant to section 113(c) of the Act.
- (2) Any person who knowingly makes a false, material statement in any record, submission, or report under the Acid Rain Program shall be subject to criminal enforcement pursuant to section 113(c) of the Act and 18 U.S.C. 1001.
- (3) No permit revision shall excuse any violation of the requirements of the Acid Rain Program that occurs prior to the date that the revision takes effect.
- (4) Each affected source and each affected unit shall meet the requirements of the Acid Rain Program.
- (5) Any provision of the Acid Rain Program that applies to an affected source (including a provision applicable to the designated representative of an affected source) shall also apply to the owners and operators of such source and of the affected units at the source.
- (6) Any provision of the Acid Rain Program that applies to an affected unit (including a provision applicable to the designated representative of an affected unit) shall also apply to the owners and operators of such unit.
- (7) Each violation of a provision of 40 CFR parts 72, 73, 74, 75, 76, 77, and 78 by an affected source or affected unit, or by an owner or operator or designated representative of such source or unit, shall be a separate violation of the Act.

Effect on Other Authorities

No provision of the Acid Rain Program, an Acid Rain permit application, an Acid Rain permit, or an exemption under 40 CFR 72.7 or 72.8 shall be construed as:

- (1) Except as expressly provided in title IV of the Act, exempting or excluding the owners and operators and, to the extent applicable, the designated representative of an affected source or affected unit from compliance with any other provision of the Act, including the provisions of title I of the Act relating

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STEP 3, Cont'd.

Effect on Other Authorities, Cont'd.

to applicable National Ambient Air Quality Standards or State Implementation Plans;

- (2) Limiting the number of allowances a source can hold; *provided*, that the number of allowances held by the source shall not affect the source's obligation to comply with any other provisions of the Act;
- (3) Requiring a change of any kind in any State law regulating electric utility rates and charges, affecting any State law regarding such State regulation, or limiting such State regulation, including any prudence review requirements under such State law;
- (4) Modifying the Federal Power Act or affecting the authority of the Federal Energy Regulatory Commission under the Federal Power Act; or,
- (5) Interfering with or impairing any program for competitive bidding for power supply in a State in which such program is established.

STEP 4
Read the
certification
statement,
sign, and date.

Certification

I am authorized to make this submission on behalf of the owners and operators of the affected source or affected units for which the submission is made. I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment.

Name Rex Lamew - Facility Manager	
Signature 	Date 12-3-2010