DES
DEPARTMENT OF ENVIRONMENT AND SUSTAINABILITY
air quality desert conservation program sustainability

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Marci Henson, Director

PART 70 OPERATING PERMIT

SOURCE ID: 1513

Chuck Lenzie Generating Station
13605 Chuck Lenzie Court
Las Vegas, Nevada 89165

ISSUED ON: April 21, 2021 **EXPIRES ON: April 20, 2026**

REVISED ON: December 7, 2021

Current action: Reopening for Cause

Issued to:	**Responsible Official:**
Nevada Power Company	Dariusz Rekowski
6226 West Sahara Avenue	Vice President Generation
Las Vegas, NV 89146	PHONE: (702) 402-5762
	EMAIL: drekowski@nvenergy.com

NATURE OF BUSINESS:
SIC code 4911, "Electric Services"
NAICS code 221112, "Fossil Fuel Electric Power Generation"

Issued by the Clark County Department of Environment and Sustainability in accordance with Section 12.5 of the Clark County Air Quality Regulations.

Theodore A. Lendis, Permitting Manager

EXECUTIVE SUMMARY

Chuck Lenzie Generating Station (Chuck Lenzie) is an electrical power generating station located at Apex Dry Lake Industrial Park. The legal description of the source location is: Eastern portion of T18S, R63E, Section 15 in Apex Valley, County of Clark, State of Nevada. The station is located in Hydrographic Area 216 (Garnet Valley), which is designated as attainment for all pollutants.

Chuck Lenzie operates gas-fired combustion turbine generators (CTGs), duct-fired heat recovery steam generators (HRSGs), steam turbine generators, auxiliary 30.6 MMBtu/hr boilers, diesel emergency generators, diesel fire pump, cooling towers, wet surface air coolers, and associated ancillary equipment. This Part 70 Operating Permit is issued based on the Title V renewal application submitted on December 11, 2019 and the significant revision application submitted on April 10, 2020.

Chuck Lenzie is a categorical stationary source, as defined by AQR 12.2.2(j)(1). It is a major stationary source for PM_{10}, $PM_{2.5}$, NO_X, CO, and VOC, and a minor source for SO_2 and HAP. The source is also a major stationary source for GHG. The source is subject to 40 CFR Part 60, Subparts Da, Dc, GG, KKKK, and 40 CFR Part 63, Subpart ZZZZ. Additionally, the source is regulated by 40 CFR 72 – Acid Rain Permits Regulations.

The following table summarizes the source potential to emit for each regulated air pollutant. DAQ will continue to require the sources to estimate their GHG potential to emit in terms of each individual pollutant (CO_2, CH_4, N_2O, SF_6, etc.).

Source-Wide PTE (tons per year)

Pollutants	PM_{10}	$PM_{2.5}$	NO_x	CO	SO_2	VOC	HAP	GHG[1]
PTE Totals	503.32	503.32	544.89	1,438.85	86.54	203.46	13.91	5,018,325
Major Source Thresholds (Categorical)	100	100	100	100	100	100	10/25	

[1] GHG is expressed as CO_2e for information only.

This Part 70 Operating Permit addresses a renewal and a significant revision, as specified in the Technical Support Document.

Pursuant to AQR 12.5.2, all terms and conditions in Sections I through VI and Attachments 1 and 2 in this permit are federally enforceable unless explicitly denoted otherwise.

TABLE OF CONTENTS

I. ACRONYMS

Acronym	Term
AQR	Clark County Air Quality Regulation
ATC	Authority to Construct
CAAA	Clean Air Act Amendments
CEMS	continuous emissions monitoring system
CFR	Code of Federal Regulations
CO	carbon monoxide
CTG	combustion turbine-generator
DAQ	Division of Air Quality
DCS	Distributed Control System
DES	Clark County Department of Environment and Sustainability
EPA	U.S. Environmental Protection Agency
EU	emission unit
GHG	greenhouse gas
HAP	hazardous air pollutant
HRSG	heat recovery steam generator
kW	kilowatt
LHV	Lower Heating Value
MMBtu	millions of British thermal units
MW	megawatt
NAICS	North American Industry Classification System
NO_x	nitrogen oxides
NRS	Nevada Revised Statutes
PM_{10}	particulate matter less than 10 microns
ppm	parts per million
ppmvd	parts per million, volumetric dry
PTE	potential to emit
RATA	Relative Accuracy Test Audits
scf	standard cubic feet
SCR	selective catalytic reduction
SIC	Standard Industrial Classification
SIP	State Implementation Plan
SO_2	sulfur dioxide
VOC	volatile organic compound
WSAC	wet surface air cool

II. GENERAL CONDITIONS

A. GENERAL REQUIREMENTS

1. The permittee shall comply with all conditions of the Part 70 Operating Permit. Any permit noncompliance may constitute a violation of the Clark County Air Quality Regulations (AQRs), Nevada law, and the Clean Air Act, and is grounds for enforcement action; permit termination, revocation and reissuance, or 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 remain valid. *[AQR 12.5.2.6(f)]*

3. The permittee shall pay all permit fees pursuant to AQR 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 agrees to allow inspection of the premises to which this permit relates by any authorized representative of the Control Officer at any time during the permittee's hours of operation without prior notice. The permittee shall not obstruct, hamper, or interfere with any such inspection. *[AQR 4.1; AQR 5.1.1; AQR 12.5.2.8(b)]*

6. The permittee shall allow the Control Officer, upon presentation of credentials, to: *[AQR 4.1 & AQR 12.5.2.8(b)]*

    a. Access and copy any records that must be kept under the conditions of the permit;

    b. Inspect any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit;

    c. Sample or monitor substances or parameters for the purpose of assuring compliance with the permit or applicable requirements; and

    d. Document alleged violations using such devices as cameras or video equipment.

7. Any permittee who fails to submit relevant facts or who has submitted incorrect information in a permit application shall, upon becoming aware of such failure or incorrect submittal, promptly submit the needed 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 a complete application was filed but prior to release of a draft permit. A responsible official shall certify the additional information consistent with the requirements of AQR 12.5.2.4. *[AQR 12.5.2.2]*

8. Anyone issued a permit under AQR 12.5 shall post it in a location where it is clearly visible and accessible to facility employees and DAQ representatives. *[AQR 12.5.2.6(m)]*

B. MODIFICATION, REVISION, AND 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 (ATC) 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 by the Control Officer. 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 a complete application need not be received before a Part 70 general permit is issued pursuant to AQR 12.5.2.20); and

    b. The conditions of the permit provide for compliance with all applicable requirements and the requirements of AQR 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 that would otherwise constitute a violation of an applicable requirement. *[AQR 80.1 and 40 CFR Part 60.12]*

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 months, but not more than 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 OP until final action is taken on its application for a renewed Part 70 OP. *[AQR 12.5.2.1(a)(2)]*

C. REPORTING, NOTIFICATION, AND INFORMATION REQUIREMENTS

1. The permittee shall submit all compliance certifications to the U.S. Environmental Protection Agency (EPA) and the Control Officer. *[AQR 12.5.2.8(e)(4)]*

2. Any application form, report, or compliance certification submitted to the Control Officer pursuant to the permit or the AQRs, shall contain a certification by a responsible official, with an original signature, of truth, accuracy, and completeness. This certification, and any other 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, in writing and within a reasonable time, any information that the Control Officer may request 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 that the permit requires keeping. The permittee may furnish records deemed confidential 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 any information or analyses that will disclose the nature, extent, quantity, or degree of air contaminants that are or may be discharged by the source, and the type or nature of control equipment in use. The Control Officer may require such disclosures be certified by a professional engineer registered in the state. In addition to this report, the Control Officer may designate an authorized agent to make an independent study and report on the nature, extent, quantity, or degree of any air contaminants that are or may be discharged from the source. An agent so designated may examine any article, machine, equipment, or other contrivance necessary to make the inspection and report. *[AQR 4.1]*

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 DAQ by March 31 of each calendar year (if March 31 falls on a Saturday or Sunday, or on a Nevada or federal holiday, the submittal shall be due on the next regularly scheduled business day);

    b. The calculated actual annual emissions from each emission unit shall be reported even if there was no activity, along with the total calculated actual annual emissions for the source based on the emissions calculation methodology used to establish the potential to emit (PTE) in the permit or an equivalent method approved by the Control Officer prior to submittal; and

    c. As the first page of text, a signed certification containing the sentence: "I certify that, based on information and belief formed after reasonable inquiry, the statements contained in this document are true, accurate, and complete." This statement shall be signed and dated by a responsible official of the company (a sample form is available from DAQ).

6. Stationary sources that emit 25 tons or more of nitrogen oxide (NOx) and/or 25 tons or more of volatile organic compounds (VOCs) during a calendar year from emission units, insignificant activities, and exempt activities shall submit an annual emissions statement for both pollutants. This statement must include actual annual NOx and VOC emissions from all activities, including emission units, insignificant activities, and exempt activities. Emissions statements are separate from, and additional to, the calculated annual emissions reported each year for all regulated air pollutants (i.e., the emissions inventory report). *[AQR 12.9.1]*

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 the AQRs, 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 from DAQ is guilty of a civil offense and shall pay a 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; NRS 445B.640]*

3. Any person aggrieved by an order issued pursuant to AQR 9.1 is entitled to review, as provided in Chapter 233B of the NRS. *[AQR 9.12]*

4. The permittee shall comply with the requirements of Title 40, Part 61 of the Code of Federal Regulations (40 CFR Part 61), Subpart M—the National Emission Standard for Asbestos—for all demolition and renovation projects. *[AQR 13.1(b)(8)]*

5. The permittee shall certify compliance with the terms and conditions contained in this Part 70 OP, including emission limitations, standards, work practices, and the means for monitoring such compliance. *[AQR 12.5.2.8(e)]*

6. The permittee shall submit compliance certifications annually in writing to the Control Officer (4701 W. Russell Road, Suite 200, Las Vegas, NV 89118) and the Region 9 Administrator (Director, Air and Toxics Divisions, 75 Hawthorne St., San Francisco, CA 94105). A compliance certification for each calendar year will be due on January 30 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. These methods and means shall include, at a minimum, the monitoring and related recordkeeping and reporting requirements described in 40 CFR Part 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 Clean Air 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 (b) above. 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 was required and in which an excursion or exceedance, as defined under 40 CFR Part 64, occurred

7. The permittee shall report to the Control Officer any startup, shutdown, malfunction, emergency, testing, tuning or deviation that causes emissions of regulated air pollutants in excess of any limits set by regulations or this permit. The report shall be in two parts, as specified below: *[AQR 12.5.2.6(d)(4)(B); AQR 25.6.1]*

a. Within 24 hours of the time the permittee learns of the excess emissions, the permittee shall notify DAQ by phone at (702) 455-5942, by fax at (702) 383-9994, or by email at airquality@clarkcountynv.gov.

b. Within 72 hours of the notification required by paragraph (a) above, the permittee shall submit a detailed written report to DAQ containing the information required by AQR 25.6.3.

8. With the semiannual monitoring report, the permittee shall report to the Control Officer all deviations from permit conditions that do not result in excess emissions, including those attributable to malfunction, startup, shutdown, testing or tuning. 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)]*

9. The owner or operator of any source required to obtain a permit under AQR 12 shall report to the Control Officer emissions in excess of an applicable requirement or emission limit that pose a potential imminent and substantial danger to public health and safety or the environment as soon as possible, but no later than 12 hours after the deviation is discovered, and submit a written report within two 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 emissions of air contaminants from any source whenever the Control Officer has reason to believe that an emission in excess of those allowed by the AQRs 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 4.2]*

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 4.2]*

3. The permittee shall submit to the Control Officer for approval a performance testing protocol that contains testing, reporting, and notification schedules, test protocols, and anticipated test dates no less than 45 days, but no more than 90 days, before the anticipated date of the performance test unless otherwise specified in Section III.E of this permit. *[AQR 12.5.2.8]*

4. The permittee shall submit to EPA for approval any alternative test methods EPA has not already approved to demonstrate compliance with a requirement under 40 CFR Part 60. *[40 CFR Part 60.8(b)]*

5. The permittee shall submit a report describing the results of each performance test to the Control Officer within 60 days of the end of the test. *[AQR 12.5.2.8]*

III. EMISSION UNITS AND APPLICABLE REQUIREMENTS

A. EMISSION UNITS

The stationary source covered by this Part 70 Operating Permit is defined to consist of the emission units and associated appurtenances summarized in Table III-A-1. *[NSR ATC, Condition III-A (2/25/2021), NSR ATC, Condition III-A-1 (4/30/2020), NSR ATC Modification 1, Revision 4, Section IV-A (05/13/09), April 4, 2014 Renewal Application and AQR 12.5.2.14(a)]*

Table III-A-1: List of Emission Units

EU	Description	Rating	Make	Model No.	Serial No.
A01	Unit #1, CTG electric turbine generator, natural gas	Nominal rating:168 MW (292 MW with supplemental duct firing); or 199 MW (323 MW with supplemental duct firing) upon completion of Combustion Turbine Upgrade Project	General Electric	7FA (7241 FA+e)	297756
A02	Duct-fired HRSG for Unit #1	574.50 MMBtu/hr			102105
A03	Unit #2, CTG electric turbine generator, natural gas	Nominal rating:168 MW (292 MW with supplemental duct firing); or 199 MW (323 MW with supplemental duct firing) upon completion of Combustion Turbine Upgrade Project	General Electric	7FA (7241 FA+e)	297757
A04	Duct-fired HRSG for Unit #2	574.50 MMBtu/hr			102106
A05	Unit #3, CTG electric turbine generator, natural gas	Nominal rating:168 MW (292 MW with supplemental duct firing); or 199 MW (323 MW with supplemental duct firing) upon completion of Combustion Turbine Upgrade Project	General Electric	7FA (7241 FA+e)	297758
A06	Duct-fired HRSG for Unit #3	574.50 MMBtu/hr			102107

EU	Description	Rating	Make	Model No.	Serial No.
A07	Unit #4, CTG electric turbine generator, natural gas	Nominal rating:168 MW (292 MW with supplemental duct firing); or 199 MW (323 MW with supplemental duct firing) upon completion of Combustion Turbine Upgrade Project	General Electric	7FA (7241 FA+e)	297759
A08	Duct-fired HRSG for Unit #4	574.50 MMBtu/hr			102108
A09	Auxiliary boiler	30.6 MMBtu/hr	Cleaver Brooks	CB1700750 200	OL101697
A10	Auxiliary boiler	30.6 MMBtu/hr	Cleaver Brooks	CB1700750 200	OL101698
A12	Emergency Generator	558.5 kW	Caterpillar	3412	3FZ03533
	Diesel Engine	749 hp		SR4	AGE00590
A13	Emergency Generator	558.5 kW	Caterpillar	3412	3FZ03528
	Diesel Engine	749 hp		SR4	AGE00587
A14	Fire Pump	275 hp	Clarke	6081 Series	101120-003-01-01 FTA 100-EL12N-A-AD-AM-AN-EE-J-T-X
	Diesel Engine		John Deere	JDFP-06WA	RG6081A146444
A16	Gas line preheater	9.8 MMBtu/hr	NATCO	None	EL2F38803-01
A19	Chiller cooling Tower, 4 cells	9,834 gpm each	Baltimore Aircoil	33985A-V-4	U1920229030101 U1920229030102 U1920229030103 U1920229030104
A20	Chiller cooling Tower, 4 cells	9,834 gpm each	Baltimore Aircoil	33985A-V-4	U1920229030201 U1920229030202 U1920229030203 U1920229030204
A21	Chiller cooling Tower, 4 cells	9,834 gpm each	Baltimore Aircoil	33985A-V-4	U1920229030301 U1920229030302 U1920229030303 U1920229030304
A22	Chiller cooling Tower, 4 cells	9,834 gpm each	Baltimore Aircoil	33985A-V-4	U1920230030101 U1920230030102 U1920230030103 U1920230030104
A23	Chiller cooling Tower, 4 cells	9,834 gpm each	Baltimore Aircoil	33985A-V-4	U1920230030201 U1920230030202 U1920230030203 U1920230030204

EU	Description	Rating	Make	Model No.	Serial No.
A24	Chiller cooling Tower, 4 cells	9,834 gpm each	Baltimore Aircoil	33985A-V-4	U1920230030301 U1920230030302 U1920230030303 U1920230030304
A25	Wet surface air cooler, 2 cells	5,040 gpm each	Niagara Blower Company	RWC38748-2F16	01-14993
A26	Wet surface air cooler, 2 cells	5,040 gpm each	Niagara Blower Company	RWC38748-2F16	01-14993

Table III-A-2: List of Insignificant Emission Units and Activities

One 350-gallon diesel storage tank for diesel fire pump
Two 800-gallon diesel storage tanks for emergency generators
Numerous lube oil sumps and vents
Two ammonia storage tanks, model number: none; serial number: DKT02-1210 and DKT02-1211; sealed systems
Mobile Combustion Sources
Station Maintenance Activities
Maintenance Shop Activities
Steam Cleaning Operations
Lime Silo with Filter
Soda Ash Silo with Filter
Parts washer

B. NONROAD ENGINES

Pursuant to Title 40, Part 1068.30 of the Code of Federal Regulations (40 CFR Part 1068.30), nonroad engines that are portable or transportable (i.e., not used on self-propelled equipment) shall not remain at a location for more than 12 consecutive months; otherwise, the engine(s) will constitute a stationary reciprocating internal combustion engine (RICE) and be subject to the applicable requirements of 40 CFR Part 63, Subpart ZZZZ; 40 CFR Part 60, Subpart IIII; and/or 40 CFR Part 60, Subpart JJJJ. Stationary RICE shall be permitted as emission units upon commencing operation at this stationary source. Records of location changes for portable or transportable nonroad engines shall be maintained, and shall be made available to the Control Officer upon request. These records are not required for engines owned and operated by a contractor for maintenance and construction activities as long as records are maintained demonstrating that such work took place at the stationary source for periods of less than 12 consecutive months.

Nonroad engines used on self-propelled equipment do not have this 12-month limitation or the associated recordkeeping requirements.

C. EMISSION LIMITATIONS AND STANDARDS

1. Emission Limits

a. The permittee shall not allow the actual emissions from each emission unit to exceed the PTE listed in Table III-C-1 for any consecutive 12-month period, except for emission units intended only for use in emergencies. Tons-per-year emission limits of each emission unit include startup, shutdown, testing, and tuning emissions. *[NSR ATC, Condition III-B-1(a) (2/25/2021), NSR ATC, Condition III-B-1(a) (4/30/2020), NSR ATC modification 1, Revision 4, Condition IV-B-1(a) (05/13/09) and AQR 12.5.2.14(a)]*

Table III-C-1: Emission Unit PTE, Including Startup, Shutdowns, Testing, and Tuning (tpy)

EU	PM_{10}	$PM_{2.5}$	NO_X	CO	SO_2	VOC
A01/A02[1]	123.73	123.73	126.80	349.25	20.93	49.45
A03/A04[1]	123.73	123.73	126.80	349.25	20.93	49.45
A05/A06[1]	123.73	123.73	126.80	349.25	20.93	49.45
A07/A08[1]	123.73	123.73	126.80	349.25	20.93	49.45
A09[2]	1.20	1.20	15.60	19.20	1.20	2.40
A10[2]	1.20	1.20	15.60	19.20	1.20	2.40
A12	0.02	0.02	0.46	0.13	0.01	0.02
A13	0.02	0.02	0.46	0.13	0.01	0.02
A14	0.03	0.03	0.43	0.09	0.01	0.04
A16	0.39	0.39	5.14	3.10	0.39	0.78
A19-A24	4.50	4.50	0	0	0	0
A25-A26	1.04	1.04	0	0	0	0

[1]Based on 0.75 grains sulfur per 100 scf of natural gas.
[2]Maximum operation based upon 6,000 hours per year.

b. The permittee shall not allow the actual emissions from each emission unit to exceed the emission rates listed in Table III-C-2. Pound-per-hour limits are normal operational (i.e., excluding startup, shutdown, testing, and tuning) limits only. *[NSR ATC, Condition III-B-1(a) (2/25/2021), NSR ATC, Condition III-B-2, Table: III-B-2) (4/30/2020), NSR ATC Modification 1, Revision 4, Condition IV-B-1(a) (05/13/09) and AQR 12.5.2.14(a)]*

Table III-C-2: Emission Rates, Excluding Startup, Shutdowns, Testing, and Tuning (lb/hr)[1]

EU	PM_{10}	$PM_{2.5}$	NO_X	CO	SO_2	VOC
A01/A02[2]	28.25	28.25	28.95	79.74	4.78	11.29
A03/A04[2]	28.25	28.25	28.95	79.74	4.78	11.29
A05/A06[2]	28.25	28.25	28.95	79.74	4.78	11.29
A07/A08[2]	28.25	28.25	28.95	79.74	4.78	11.29
A09			5.20	6.40		

EU	PM_{10}	$PM_{2.5}$	NO_X	CO	SO_2	VOC
A10			5.20	6.40		
A16			1.17	0.71		

[1]Based on 0.75 grains sulfur per 100 standard cubic feet of natural gas.
[2]Pound-per-hour limitations do not apply to any clock hour that contains at least one minute of a startup or shutdown event.

c. The permittee shall not allow the actual emissions from each emission unit to exceed the emission concentrations listed in Table III-C-3. The ppm limits in the table are normal operational (i.e., excluding startup, shutdown, testing, and tuning) limits only. *[NSR ATC, Condition III-B-1(a) (2/25/2021), NSR ATC, Condition III-B-1(a) (4/30/2020), NSR ATC Modification 1, Revision 4, Condition IV-B-1(a) (05/13/09) and AQR 12.5.2.14(a)]*

Table III-C-3: Emission Concentrations Excluding Startup, Shutdown, Testing, and Tuning (ppmvd)[1]

EU	Description	NO_X	CO	VOC
A01[2]	Turbine Unit #1 with or without duct-firing	3.0	10	7.0
A03[2]	Turbine Unit #2 with or without duct-firing	3.0	10	7.0
A05[2]	Turbine Unit #3 with or without duct-firing	3.0	10	7.0
A07[2]	Turbine Unit #4 with or without duct-firing	3.0	10	7.0
A09[3]	Auxiliary 30.6 MMBtu/hr boiler	30	100	
A10[3]	Auxiliary 30.6 MMBtu/hr boiler	30	100	

[1]Emission limits do not apply to any clock hour that contains at least one minute of a startup or shutdown event.
[2]Limits based on a 3-hour averaging period @ 15% O_2.
[3]Limits based on a 1-hour averaging period @ 3% O_2.

d. The permittee shall not allow the actual emissions from each emission unit to exceed the applicable emissions concentrations listed in Table III-C-4. *[OP Renewal Application (12/11/2019), 40 CFR 60.332]*

Table III-C-4: Applicable Subpart GG Standard and Subpart KKKK (ppmvd)

Emission Unit	NO_X (Subpart GG)[1]	NO_X (Subpart KKKK)[2]
A01-A08 (Turbine Units 1-4)	110	15

[1]Subpart GG standard is only applicable to combustion turbines (4-hour averaging period @ 15% O_2).
[2]Upon completion of Combustion Turbine Upgrade Projects. Units 1-4 CTGs will be subject to subpart KKKK (30-day rolling average @ 15% O_2) instead of Subpart GG. The Subpart KKKK standard is applicable to combustion turbines and the duct burners, it is applied here to all emissions from the Turbine Unit stack.

e. The permittee shall not allow the actual emissions from each emission unit to exceed the emissions rates listed in Table III-C-5 during testing and tuning. *[OP Renewal Application (12/11/2019)]*

Table III-C-5: Testing and Tuning Emission Rates (pounds per hour)

Emission Unit	CO
A01-A08 (Turbine Units 1-4)	400

f. The permittee shall not discharge into the atmosphere, from any emission unit, any air contaminant in excess of an average of 20% opacity for a period of more than six consecutive minutes. *[AQR 26.1]*

g. Upon completion of the Combustion Turbine Upgrade Projects, the permittee shall not allow actual emissions from the modified combustion turbines and duct burners (EUs: A01-A08) to exceed 0.060 lb of SO_2 per MMBtu heat input. *[NSR ATC, Condition III-B-1(e) (2/25/2021), NSR ATC, Condition III-B-1(e) (4/30/2020), 40 CFR Part 60.4330(a)(2)]*

2. Operational Limits

Turbine Units 1 through 4 (EUs: A01–A08)

a. The permittee shall limit the total annual startup and shutdown hours per turbine to 876 hours. *[NSR ATC Modification 1, Revision 4, Condition IV-B-2(a) (05/13/09)]*

b. Startup shall be defined as the period beginning with ignition and lasting for a duration not to exceed 120 minutes for a hot start, except that a warm startup may extend beyond 120 minutes but shall not exceed 180 minutes, and except that a cold startup may extend beyond 180 minutes but shall not to exceed 300 minutes *[NSR ATC Modification 1, Revision 4, Condition IV-B-2(b) (05/13/09)]*

c. A shutdown is defined as the one-hour period immediately preceding the cessation of firing of the gas turbine, and shall not exceed 60 minutes. *[NSR ATC Modification 1, Revision 4, Condition IV-B-2(c) (05/13/09)]*

d. The permittee shall limit operation of each turbine/duct burner combination to 2,239 MMBtu/hr heat input, based on LHV. *[NSR ATC Condition III-B-2(d) (2/25/2021)]*

e. The permittee shall limit each turbine unit's testing and tuning events to 600 minutes per year. *[OP Renewal Application (12/11/2019)]*

Other Emission Units

f. The permittee shall limit operation of each 30.6 MMBtu/hr boiler (EUs: A09 and A10) to 6,000 hours per any consecutive 12-months and shall burn only natural gas as fuel. *[NSR ATC Modification 1, Revision 4, Condition IV-B-2(g) (05/13/09)]*

g. The permittee shall limit operation of each emergency diesel generator (EUs: A12 and A13) to 100 hours per year for testing and maintenance purposes only. The permittee may operate the emergency generator up to 50 hours per year for nonemergency situations, but those hours 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 demand response, except as provided in 40 CFR Part 63.6640(f)(4). *[40 CFR Part 63.6640(f) & NSR ATC Modification 1, Revision 4, Condition IV-B-2(h) (05/13/09)]*

h. The emergency generators shall burn only low sulfur (less than 0.05%) diesel fuel. *[40 CFR Part 63.6640(f) & NSR ATC Modification 1, Revision 4, Condition IV-B-2(h) (05/13/09)]*

i. The permittee shall limit operation of the diesel fire pump (EU: A14) to 100 hours per year for testing and maintenance purposes only. The permittee may operate the emergency generator up to 50 hours per year for nonemergency situations, but those hours 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 demand response, except as provided in 40 CFR Part 63.6640(f)(4). *[40 CFR Part 63.6640(f) and NSR ATC Modification 1, Revision 4, Condition IV-B-2(i) (05/13/09)]*

j. The diesel fire pumps shall burn only low sulfur (less than 0.05%) diesel fuel. *[40 CFR Part 63.6640(f) and NSR ATC Modification 1, Revision 4, Condition IV-B-2(i) (05/13/09)]*

k. The permittee shall combust only natural gas in the gas line heater (EU: A16). *[NSR ATC Modification 1, Revision 4, Condition IV-B-2(k) (05/13/09)]*

l. The permittee shall limit the maximum water flow in each cooling tower to 9,834 gallons per minute (EUs: A19–A24). *[AQR 12.5.2.6]*

m. The permittee shall limit the total dissolved solids (TDS) concentration in the cooling towers process water to 7,400 ppm on a monthly average (EUs: A19 through A24). *[AQR 12.5.2.6]*

n. The permittee shall limit the maximum water flow in each WSACs to 5,040 gallons per minute on a monthly average (EUs: A25–A26). *[AQR 12.5.2.6]*

o. The permittee shall limit the TDS concentration in the WSACs process water to 10,000 ppm on a monthly average (EUs: A25–A26). *[AQR 12.5.2.6]*

3. Emission Controls

Turbine Units 1 through 4 (EUs: A01 through A08)

a. The permittee shall, under all conditions, operate the source in a manner consistent with good air pollution control practice for minimizing emissions, as required by 40 CFR Part 60.11. *[NSR ATC Modification 1, Revision 4, Condition IV-B-3(a) (05/13/09)]*

b. The permittee shall install dry low-NO_x burners, selective catalytic reduction (SCR), and oxidation catalysts on each of Turbine Units #1 through #4 (EUs: A01–A08). *[NSR ATC Modification 1, Revision 4, Condition IV-B-3(b) (05/13/09)]*

c. The permittee shall maintain and operate the dry low-NO_x burners, SCR, and oxidation catalysts on all turbine/duct burner combinations (EUs: A01–A08) in accordance with manufacturer's specifications and/or operations and maintenance (O&M) manual, as applicable. SCR shall be operated at all times the associated turbine unit is operating, excluding periods of startup and shutdown. *[NSR ATC Modification 1, Revision 4, Condition IV-B-3(c) (05/13/09)]*

d. The permittee shall operate the SCR such that NO_X emissions do not exceed the limitations listed in Tables III-C-2 and III-C-3, excluding periods of startup, shutdown, testing and tuning as defined. *[NSR ATC Modification 1, Revision 4, Condition IV-B-3(d) (05/13/09)]*

e. The permittee shall install oxidation catalysts on each of Turbine Units #1 through #4 (EUs: A01–A08), and these shall be maintained and operated on all four turbine units in accordance with manufacturer's specifications and/or O&M manual, as applicable. The catalysts shall be operated at all times the associated turbine units are operating, excluding periods of startup and shutdown. *[NSR ATC Modification 1, Revision 4, Condition IV-B-3(e) (05/13/09)]*

f. The permittee shall use only pipeline-quality natural gas fuel (maximum sulfur content 0.5 gr/100 scf) in Turbine Units #1 through #4 (EUs: A01–A08) to demonstrate initial and continued compliance with the SO_2 limitations specified in Section III-C of this permit. *[NSR ATC Modification 1, Revision 4, Condition IV-B-3(g) (05/13/09)]*

g. The permittee shall determine the heating value and consumption rate for natural gas for all turbine units based on conditions of 1.0 atmosphere pressure (29.92" mercury) and 68°F per EPA Method 19 (40 CFR Part 60, Subpart GG). This requirement shall no longer apply to the four modified combustion turbines (EU: A01-A08) after the date the Combustion Turbine Upgrade Projects are completed and the modified combustion turbines start operation. *[NSR ATC Condition III-B-3(g) (2/25/2021), NSR ATC Condition III-B-3(g) (4/30/2020), NSR ATC Modification 1, Revision 4, Condition IV-B-3(h) (05/13/09)]*

Other Emission Units

h. The permittee shall maintain the emergency generator and fire pump as follows, unless the manufacturer's specifications and/or O&M manual as applicable, is more stringent (EUs: A12, A13, and A14): *[40 CFR Part 63.6603 & AQR 12.5.2.6]*

   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.

i. The permittee shall operate the cooling towers and WSACs with drift eliminators that have a maximum drift rate of 0.001% based on manufacturer's specifications and/or O&M manual, as applicable +(EUs: A19–A26). *[AQR 12.5.2.6]*

D. MONITORING

Visible Emissions [AQR 12.5.2.6]

1. The responsible official shall sign and adhere to the Visible Emissions Check Guidebook and keep a copy of the signed guide on-site at all times.

2. The permittee shall conduct a visual emissions check at least quarterly on each diesel-fired emergency generator and fire pump while in operation. If any of the diesel-fired emergency generators or fire pumps do not operate during the quarter, then no observation of that unit shall be required (EUs: A12-A14).

3. If no plume appears to exceed the opacity standard during the visible emissions check, the date, location, and results shall be recorded, along with the viewer's name.

4. If a plume appears to exceed the opacity standard, the permittee shall do one of the following:

    a. Immediately correct the perceived exceedance, then record the first and last name of the person who performed the emissions check, the date the check was performed, the unit(s) observed, and the results of the observation; or

    b. Call a certified Visible Emissions Evaluation (VEE) reader to perform a U.S. Environmental Protection Agency (EPA) Method 9 evaluation.

        i. For sources required to have a certified reader on-site, the reader shall start Method 9 observations within 15 minutes of the initial observation. For all other sources, the reader shall start Method 9 observations within 30 minutes of the initial observation.

        ii. If no opacity exceedance is observed, the certified VEE reader shall record the first and last name of the person who performed the VEE, the date the VEE was performed, the unit(s) evaluated, and the results. A Method 9 VEE form shall be completed for each emission unit that was initially perceived to have exceeded the opacity limit, and the record shall also indicate:

            (1) The cause of the perceived exceedance;

            (2) The color of the emissions; and

            (3) Whether the emissions were light or heavy.

        iii. If an opacity exceedance is observed, the certified VEE reader shall take immediate action to correct the exceedance. The reader shall then record the first and last name of the person performing the VEE, the date the VEE was performed, the unit(s) evaluated, and the results. A Method 9 VEE form shall be completed for each reading identified, and the record shall also indicate:

            (1) The cause of the exceedance;

            (2) The color of the emissions;

            (3) Whether the emissions were light or heavy;

            (4) The duration of the emissions; and

            (5) The corrective actions taken to resolve the exceedance.

5. Any scenario of visible emissions noncompliance can and may lead to enforcement action.

6. Visible emissions checks do not require a certified observer unless the visible emissions appear to exceed the allowable opacity limit and to last more than 30 seconds, but an EPA Method 9 observation establishes that the emissions do not in fact exceed the standard.

7. This source is subject to 40 CFR Part 60, Subparts A, Da, and GG; 40 CFR Part 63, Subpart ZZZZ; 40 CFR Part 70; 40 CFR Part 72; 40 CFR Part 73; and 40 CFR Part 75. The requirements of 40 CFR Part 60, Subparts Da and GG, shall no longer apply to the modified combustion turbines and associated duct burners (EUs: A01-A08) after the date the Combustion Turbine Upgrade Projects are completed and the modified combustion turbines start operation. Instead, the modified combustion turbines and duct burners (EU: A01-A08) will be subject to 40 CFR Part 60, Subpart KKKK. It is the permittee's responsibility to know and comply with all requirements within the applicable parts of these federal regulations. *[NSR ATC Condition III-C-1 (2/25/2021), NSR ATC Condition III-C-1 (4/30/2020), AQR 13, AQR 14, AQR 21.1, and AQR 22.1,40 CFR Parts 60.1, 60.330, 70.3, 72.6, 73.2, & 75.2]*

Turbine Units 1 through 4

8. **Continuous Emission Monitoring.** To demonstrate continuous, direct compliance with operational limitations and the hourly and annual emission limitations for NO_x and CO specified in Section III-C of this permit, the permittee shall install CEMS on Turbine Units #1 through #4 (EUs: A01–A08), which shall monitor and record the following parameters for each individual CTG: *[NSR ATC, Condition III-C-2 (2/25/2021), NSR ATC, Condition III-C-2(a) (4/30/2020), AQR 12.5.2.6 and 40 CFR Part 75, Subpart F]*

    a. Hours of operation for startup, shutdown, normal operation, testing, and tuning, separately;

    b. Electric load;

    c. Fuel consumption;

    d. Exhaust gas flow rate (by direct or indirect methods);

    e. Exhaust gas concentrations of NO_x, CO, and O_2;

    f. Three-hour rolling average concentrations of NO_x and CO;

    g. Mass flow rate of NO_x and CO;

    h. Hourly and consecutive accumulated mass emissions of NO_x and CO; and

    i. Hours of downtime of the CEMS.

9. The permittee shall install, certify, operate, and maintain CEMS on Turbine Units #1 through #4 (EUs: A01–A08) in accordance with the requirements of 40 CFR Parts 60 and 75, as applicable. *[AQR 12.5.2.6]*

10. The permittee shall certify and test CEMS initially in accordance with 40 CFR Part 75, Appendix A: "CEMS Specifications and Test Procedures." This requirement has been met. *[AQR 12.5.2.6]*

11. The permittee shall comply with CEMS periodic certification procedures, as required in 40 CFR Part 75. *[AQR 12.5.2.6]*

12. The permittee shall apply the CEMS quality assurance/quality control procedures in 40 CFR Part 60, Appendices B & F, and 40 CFR Part 75, Subparts F & G and Appendix B, as applicable. *[AQR 12.5.2.6]*

13. Any exceedance of the NO_x or CO emission limitations expressed in Section III-C of this permit, as determined by the CEMS, shall be considered a violation of the emission limit imposed and may result in enforcement action. *[AQR 12.5.2.6]*

14. The CEMS for NO_x, CO, and diluents in the flue gas shall be used as direct compliance indications. *[AQR 12.5.2.6]*

15. Periods where the missing data substitution procedures in subpart D of part 75 are applied are to be reported as monitor downtime in the excess emissions and monitoring performance report required under §60.7(c). *[NSR ATC, Condition III-C-9 (2/25/2021), 40 CFR Part 60.4350 (d)]*

16. The permittee shall take the corrective actions described in Appendix B of 40 CFR Part 75 if an out-of-control period with a monitor or the CEMS occurs. *[40 CFR Part 75.24]*

17. The permittee shall conduct Relative Accuracy Test Audits (RATA) of the CO, NO_x, and diluents O_2 or CO_2 CEMS at least annually, unless otherwise provided for in 40 CFR Part 60, Appendix F, or in 40 CFR Part 75, Appendix B. *[AQR 12.5.2.6(d)]*

18. The permittee shall monitor visible emissions from the HRSG units (EUs: A02, A04, A06, and A08) using the applicable procedures found in 40 CFR Part 60.49, Subpart Da(a). This requirement shall no longer apply to the HRSG units associated with the modified combustion turbines (EUs: A01, A03, A05, and A07) after the date the Combustion Turbine Upgrade Projects are completed and the modified combustion turbines start operation. *[AQR 12.5.2.6 and 40 CFR Part 60.49, Subpart Da(a)]*

19. The permittee shall use the applicable procedures specified in 40 CFR Part 75, Appendix D, for estimating hourly SO_2 emissions from Turbine Units #1 through #4 (EUs: A01–A08). *[AQR 12.5.2.6 and 40 CFR Part 75.11(d)(2)]*

20. Upon completion of the Combustion Turbine Upgrade Projects, the permittee may elect not to monitor the total sulfur content of the fuel combusted in the modified combustion turbines and associated duct burners (EUs: A01-A08) as required by 40 CFR Part 60, Subpart KKKK, if the fuel is demonstrated not to exceed potential sulfur emissions of 0.060 lb SO_2/MMBtu heat input. The permittee shall use one of the following sources of information to make the required demonstration: *[40 CFR Part 60.4365, NSR ATC, Condition III-C-5 (4/30/2020), and NSR ATC, Condition III-C-14 (2/25/2021)]*

    a. The gas quality characteristics in a current, valid purchase contract, tariff sheet, or transportation contract for the fuel specifying that the maximum total sulfur content of the fuel is 20 grains/100 standard cubic feet or less, and documentation that potential sulfur emissions are less than 0.060 lb SO_2/MMBtu heat input; or

    b. Representative fuel sampling data showing that the sulfur content of the fuel does not exceed 0.060 lb SO_2/MMBtu heat input. At a minimum, the amount of fuel sampling data specified in 40 CFR Part 75, Appendix D, Sections 2.3.1.4 or 2.3.2.4 is required.

Auxiliary Boilers [AQR 12.5.2.6]

21. The permittee shall monitor the monthly fuel consumption of the boilers (EUs: A09 and A10).

22. The permittee shall monitor the hours of operations of each boiler (EUs: A09 and A10) with the CEMS and the Distributed Control System (DCS) or other device the Control Officer has approved in advance.

23. The permittee shall conduct burner efficiency tests in accordance with the manufacturer's specifications and/or O&M manual, as applicable and good combustion practices. Alternative methods may be used upon Control Officer's approval. (EUs: A09 and A10)

24. The permittee shall perform a burner efficiency test twice each calendar year, at least five months apart but no more than seven. (EUs: EUs: A09 and A10)

25. The permittee may perform a burner efficiency test once each calendar year if the actual hours of operation are less than 50. To exercise this option, the permittee must use the CEMS and the DCS and begin keeping written records before the start of the calendar year. (EUs: A09 and A10)

26. The permittee may replace one contemporaneously-required burner efficiency test with a performance test that has acceptable results.

Emergency Generators and Fire Pump

27. The permittee shall operate each emergency generator and fire pump with a nonresettable hour meter and monitor the duration of operation for testing, maintenance, and nonemergency operation, and separately for emergencies. The nature of the emergency leading to emergency operation shall be documented (EUs: A12, A13 and A14). *[40 CFR Part 63.6640]*

28. 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: A12, A13, and A14). *[NSR ATC Modification 1, Revision 4, Condition IV.B.2.h & i (05/13/09)]*

Cooling Towers and Wet Surface Air Coolers

29. The permittee shall monitor the TDS in the WSACs (EUs: A19–A26) circulating water daily when operating. The permittee shall use the conductivity measurements for TDS monitoring or an equivalent method approved in advance by the Control Officer. *[AQR 12.5.2.6]*

Other

30. The permittee shall monitor the emissions of any regulated NSR pollutant that could increase above the PSD significant thresholds as a result of the turbine upgrade projects (EUs: A01-A08) and calculate and maintain a record of the annual emissions, in tons per year for a period of 10 years following resumption of regular operations after the change. *[NSR ATC, Condition III-E-2-g&h (2/25/2021)]*

E. TESTING

1. Performance testing is subject to 40 CFR Part 60.8 (as amended), Subpart A, and *Clark County Department of Air Quality Source Testing Guidelines (9/19/2019)*. Performance testing shall be the instrument for determining initial and subsequent compliance with the emission limitations set forth in this permit. *[AQR 12.4.1.1(b)]*

2. Upon completion of the Combustion Turbine Upgrade Projects, the permittee shall conduct initial performance tests on the modified combustion turbines (EUs: A01, A03, A05, and A07) and associated duct burners (EUs: A02, A04, A06, and A08) for NO_x according to the following conditions: *[NSR ATC, Conditions III-D-2, 40 CFR Part 60.4400 and 60.4405]*

   a. The permittee shall conduct initial performance tests within 60 days of achieving the maximum production rate at which the source will be operated, but no later than 180 days after initial startup.

   b. Alternatively, the permittee may use the CEMS RATA procedures under 40 CFR Part 60.4405 to fulfill the requirements for performance testing under 40 CFR Part 60.8. *[40 CFR Parts 60.4400 & 60.4405]*

3. The permittee shall conduct periodic performance testing on the auxiliary boilers (EUs: A09 and A10) at least once every five years, and within 90 days of the anniversary date of the last performance test. *[AQR 12.5.2.6]*

4. Performance testing for the auxiliary boilers (EUs: A09 and A10) shall conform to the applicable requirements of this Part 70 permit. *[AQR 12.5.2.6]*

5. Table III-E-1 summarizes performance test methods for the auxiliary boilers (EUs: A09 and A10). *[AQR 12.5.2.6]*

Table III-E-1: Performance Testing Protocol Requirements for Auxiliary Boilers

Test Point	Pollutant	Method (40 CFR Part 60, Appendix A)
Boiler Exhaust Outlet Stack	NO_X	EPA Method 7E
Boiler Exhaust Outlet Stack	CO	EPA Method 10
Stack Gas Parameters	---	EPA Methods 1, 2, 3A, and 4

6. The permittee shall conduct performance testing on the gas line heater (EU: A16) at the request of the Control Officer *[AQR 12.5.2.6]*

7. Table III-E-2 summarizes performance test methods for the gas line heater. *[AQR 12.5.2.6]*

Table III-E-2: Performance Testing Protocol Requirements for Gas Line Heater

Test Point	Pollutant	Method (40 CFR Part 60, Appendix A)
Boiler Exhaust Outlet Stack	NO_X	EPA Method 7E
Boiler Exhaust Outlet Stack	CO	EPA Method 10
Stack Gas Parameters	---	EPA Methods 1, 2, 3A, and 4

F. RECORDKEEPING

1. The permittee shall comply with all applicable recordkeeping requirements of 40 CFR Part 60.7; 40 CFR Part 60 Subpart Dc, Subparts GG and KKKK; 40 CFR Part 72; 40 CFR Part 75, Subpart F; and any other applicable regulations. The requirements of 40 CFR Part 60, Subparts Da and GG, shall no longer apply to the modified combustion turbines (EUs: A01, A03, A05, and A07) and associated duct burners (EUs: A02, A04, A06, and A08) after the date the Combustion Turbine Upgrade Projects are completed and the modified combustion turbines start operation. *[NSR ATC, Condition III-E-1 (2/25/2021), NSR ATC, Condition III-E-1 (4/30/2020), AQR 12.5.2.6(d)(2)]*

2. The permittee shall maintain the following records on site for reporting: *[AQR 12.5.2.6]*

Turbine/Duct Burner Units (EUs: A01 through A08, inclusive):

a. Time, duration, nature, and probable cause of any CEMS downtime and corrective actions taken;

b. CEMS audit results, RATA (reported annually), and corrective actions as required by 40 CFR Part 60, Appendix F;

c. Monthly, consecutive 12-month total mass emissions of NO_x and CO as recorded by the CEMS;

d. Monthly, consecutive 12-month total quantity of natural gas consumed by each turbine;

e. Monthly, consecutive 12-month total quantity of natural gas consumed by each duct burner;

f. Dates, times, and duration of each startup and shut down cycle, and testing and tuning event;

g. Emissions of any regulated NSR pollutant that increases above the PSD significant thresholds as a result of the turbine upgrade project to be reported 60 days after the end of each calendar year. *[NSR ATC, Condition III-E-2-g&h (2/25/2021)]*

Auxiliary Boilers (EUs: A09 and A10):

h. Monthly, consecutive 12-month total hours of operation for each auxiliary boiler;

i. Monthly, consecutive 12-month total quantity of natural gas consumed by each auxiliary boiler;

Internal Combustion Engines (EUs: A12 through A14, inclusive):

j. Monthly and annual hours of operation for each emergency generator and fire pump for testing, maintenance; and nonemergency use;

k. Date and duration of operation for each emergency generator and fire pump for emergency use, including documentation justifying use during the emergency; and

Gas Line Preheater (EU: A16):

l. Monthly, consecutive 12-month total quantity of natural gas consumed by the gas line preheater.

3. The permittee shall maintain records on-site that include, at a minimum: *[AQR 12.5.2.6]*

a. Records of location changes for nonroad engines, if applicable;

b. Dates and times when visible emissions checks and observations are made, and the corrective steps taken to bring opacity into compliance.

c. Maintenance of a copy of the burner efficiency test on-site. The permittee shall make documentation available for inspection to the Control Officer upon request (EUs: A09 and A10);

d. Log of plant-wide visual emissions checks;

e. Records of opacity monitoring for HRSG units that meet all requirements of 40 CFR Part 60.52, Subpart Da, if applicable;

f. Sulfur content of natural gas, as certified by the supplier in accordance with 40 CFR Part 75.11(d)(2) and 40 CFR Part 60.4365;

g. Results of performance tests conducted within the last five years;

h. Certificates of representation for the designated representative and the alternate designated representative that meet all requirements of 40 CFR Part 72.24;

i. Copies of all records, reports, compliance certifications, and submissions made or required under the Acid Rain Program;

j. 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;

k. All CEMS and/or parametric emissions monitoring system (PEMS) information required by the CEMS and/or PEMS monitoring plan, as specified in 40 CFR Part 75, Subpart F;

l. The CEMS quality assurance plan, as specified in 40 CFR Part 75, Subpart F;

m. Manufacturer's specifications and/or O&M manual, as applicable for selective SCR and Oxidation Catalysts;

n. A quality assurance plan approved by the Control Officer. The plan shall contain auditing schedules and design specifications for the CEMS. The CEMS shall conform to all provisions of 40 CFR Part 60.13; 40 CFR Part 60, Subparts GG and KKKK; and 40 CFR Part 75, as applicable. The NO_x CEMS requirements of 40 CFR Part 60, Subpart GG, shall no longer apply to the modified combustion turbines (EUs: A01,

A03, A05, and A07) after the date the Combustion Turbine Upgrade Projects are completed and the modified combustion turbines start operation. Instead, the NO_x CEMS will follow the requirements of 40 CFR Part 60, Subpart KKKK, and 40 CFR Part 75; *[NSR ATC , Condition III-E-3(i) (4/30/2020)]*

o. Sulfur content of diesel fuel used in the emergency generators and fire pump; and

p. TDS of the cooling tower and WSACs recirculation water.

4. The permittee shall include in each record above, where applicable, the date and time the monitoring or measurement was taken, the person performing the monitoring or measurement, and the emission unit or location where the monitoring or measurement was performed. Each record must also contain the action taken to correct any deficiencies, when applicable. *[AQR 12.5.2.6]*

5. The records and data that this permit requires the permittee to maintain may, at the permittee's expense, be audited at any time by a third party selected by the Control Officer. *[AQR 4.4 and AQR 12.5.2.6]*

6. All records and logs, or copies thereof, shall be kept on-site for a minimum of five years from the date the measurement was taken or the data was entered, and shall be made available to DAQ upon request. *[AQR 12.5.2.6]*

7. The Control Officer reserves the right to impose additional requirements concerning records and recordkeeping for this source. *[AQR 12.5.2.6]*

G. REPORTING

1. The permittee shall submit reports to the Control Officer semiannually. *[AQR 12.5.2.6]*

2. The following requirements apply to semiannual reports unless a different frequency is specified: *[AQR 12.5.2.6]*

   a. The report shall include each item listed in Section III-F-2 of this permit.

   b. The report shall include summaries of any permit deviations, their probable cause(s), and any corrective or preventive action taken.

   c. The report shall be submitted to DAQ within 30 calendar days after the reporting period.

3. The permittee shall submit annual emissions inventory reports based on the following: *[AQR 18.6]*

   a. The annual emissions inventory shall be submitted to DAQ 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 Part 70 Operating Permit, the source shall comply with the schedule for report submissions outlined in Table III-G-1. *[AQR 12.5.2.6(d) & AQR 12.5.2.8]*

Table III-G-1: Required Submission Dates

Required Report	Applicable Period	Due Date
Semiannual report for 1st six-month period	January, February, March, April, May, June	July 30 each year[1]
Semiannual report for 2nd six-month period and any additional annual records required	July, August, September, October, November, December	January 30 each year[1]
Annual Compliance Certification	Calendar year	January 30 each year[1]
Annual Emissions Inventory Report	Calendar year	March 31 each year[1]
Annual Emissions Statement[2]	Calendar year	March 31 each year[1]
Notification of Malfunctions, Startup, Shutdowns or Deviations with Excess Emission	As required	Within 24 hours of the time the permittee learns of the event
Report of Malfunctions, Startup, Shutdowns or Deviations with Excess Emission	As required	Within 72 hours of DAQ notification
Deviation Report without Excess Emissions	As required	With semiannual reports[1]
Excess Emissions that Pose a Potential Imminent and Substantial Danger	As required	Within 12 hours of the permittee learns of the event
Performance Testing Protocol	As required	No less than 45 days, but no more than 90 days, before the anticipated test date[1]
Performance Testing	As required	Within 60 days of the end of the test[1]
RATA	As required	Within 60 days of end of test[1]

[1]If the due date falls on a Saturday, Sunday, or federal or Nevada holiday, then the submittal is due on the next regularly scheduled business day.
[2] Required only for stationary sources that emit 25 tons or more of nitrogen oxide (NO_X) and/or emit 25 tons or more of volatile organic compounds (VOC) during a calendar year.

5. 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 Parts 72, 73, and 75. *[40 CFR Part 72.9(f)]*

6. Malfunctions shall include, but not be limited to, upsets that cause or require a gas combustion turbine to exit Mode 6 firing configuration. The source has the burden of proof for any upset it claims to be a malfunction causing or requiring a gas combustion turbine to exit Mode 6 firing configuration. *[AQR 12.5.2.6]*

7. The Control Officer reserves the right to require additional reports and reporting to verify compliance with permit conditions, permit requirements, and requirements of applicable federal regulations. *[AQR 4.4 and AQR 12.5.2.6]*

H. MITIGATION

The source has no federal offset requirements. *[AQR 12.7]*

IV. ACID RAIN REQUIREMENTS

1. In accordance with the provisions of Title IV of the Clean Air Act and 40 CFR Parts 72–77, this Acid Rain Permit is issued to Nevada Power's Chuck Lenzie Generating Station, 13605 Chuck Lenzie Court, Las Vegas, Nevada 89165.

2. All terms and conditions of the permit are enforceable by DAQ and EPA under the Clean Air Act. *[40 CFR Part 72]*

3. The permittee shall comply with all applicable requirements of the Acid Rain Permit application in Attachment 2. *[40 CFR Part 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 years from the date of issuance unless a timely and complete renewal application is submitted to DAQ. *[40 CFR Part 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 Part 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. *[AQR 12.5.2.6 & 40 CFR Part 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 chlorofluorocarbon or hyrdochlorofluorocarbon compound as a working fluid unless such fluid has been approved for sale in such use by the EPA Administrator. The permittee shall keep records of all paperwork relevant to the applicable requirements of 40 CFR Part 82 on-site. *[40 CFR Part 82]*

2. The permittee shall notify DAQ of a testing or tuning event no less than 24 hours prior to the event unless DAQ agrees to a shorter notification time. *[AQR 12.5.2.6(d)]*

VI. PERMIT SHIELD

1. Compliance with the terms contained in this permit shall be deemed compliance with the applicable requirements (Tables VI-1 through VI-4) in effect on the date of permit issuance. *[AQR 12.5.2.9]*

Table VI-1: Applicable Requirements Related to Permit Shield

Citation	Title
AQR 14.1(b)(3)	"Subpart Da – Standards of Performance for Electric Utility Steam Generating Units for Which Construction is Commenced After September 18, 1978"
AQR 14.1(b)(5)	"Subpart Dc – Standards of Performance for Small Industrial - Commercial - Institutional Steam Generating Units"
AQR 14.1(b)(40)	"Subpart GG – Standards of Performance for Stationary Gas Turbines"

Table VI-2: Applicable Requirements Related to Pre- Upgrade Permit Shield

EU	Regulation (40 CFR)	Pollutant	Regulatory Standard		Permit Limit		Value Comparison			Averaging Period Comparison			Shield Statement
			Value	Units	Value	Units	Standard Value, in Units of Permit Limit	Permit Limit Value	Is Permit Limit Equal or More Stringent?	Standard Averaging Period	Permit Limit Averaging Period	Is Permit Limit Equal or More Stringent?	
A01/A02, A03/A04, A05/A06, A07/A08	40 CFR 60.333 (GG)	NO_x	75[1]	ppmvd @ 15% O_2	3.0	ppmvd @ 15% O_2	75	3.0	Yes	4-hour	3-hour	Yes	The permit limit is equal to or more stringent than the standard, based upon both concentration and averaging time, therefore the facility should be shielded from the standard.
A01/A02, A03/A04, A05/A06, A07/A08	40 CFR 60.333 (GG)	Fuel Sulfur	0.8	% sulfur by weight (8000 ppmw)	0.5	grains sulfur per 100 dscf	260[2]	0.5	Yes	Per 40CFR75 App D	Per 40CFR75 App D	Yes	
A02, A04, A06, A08	40 CFR 60.44Da[3]	NO_x	1.6	lb NOx/ MW-hr	28.95	lb/hr	467.2	28.95	Yes	30-day rolling	1 hour	Yes	
A02, A04, A06, A08	40 CFR 60.43Da[4]	SO_2	0.2	lb SO2/ MMBtu	0.5	grains sulfur per 100 dscf	67	0.5	yes	30-day rolling	Either monthly average or instantaneous per 40CFR75 App D	Yes	

[1] The 60.332 NO_X standard is a formula; the value used here (75 ppmvd) is the minimum possible value of the standard for any emission unit.

[2] The facility is required to combust only pipeline natural gas which, by definition, contains less than 0.5 grains per 100 scf sulfur content. Sulfur content was converted from percent by weight to grains (gr) per 100 standard cubic feet (scf) as follows: 0.8% sulfur = 56 gr sulfur per pound (lb) natural gas. Assuming an average molecular weight of 18 lb/lb-mol for natural gas, 1 lb natural gas = 2. $14*10^3$ scf. Lastly, 56 gr sulfur per $2.14*10^3$ scf natural gas equates to 260 gr/100 scf.

[3] The steam generating unit has no electrical output. Therefore, NO_X emissions in units of lb/MWhr cannot be determined. To resolve this, the nominal rating electrical output of each gas turbine and duct burner (292 MW) was treated as a "unit" in order to compare the permit NO_X limit to the Subpart Da limit.

[4] The facility is required to combust only pipeline natural gas which, by definition, contains less than 0.5 grains per 100 scf sulfur content. The averaging period is per Part 75 Appendix D which allows for monthly averaging or a single sample, depending on the circumstances. The lowest heating value for pipeline natural gas (950 Btu/scf) was used to convert the regulatory standard to the comparable permit limit value using equation D-1h in Appendix D.

2. This permit shield in Table VI-2 shall no longer apply after the date the Combustion Turbine Upgrade Projects are completed and the modified combustion turbines (EUs: A01-A08) start operation. *[NSR ATC, Condition VI (4/30/2020), NSR ATC (2/25/2021)]*

3. After the date of startup of modified combustion turbines (EUs: A01-A08) once the Combustion Turbine Upgrade Projects are completed, compliance with the terms contained in this permit shall be deemed in compliance with the applicable requirements (Table VI-3 and Table VI-4) in effect on the date of permit issuance. *[NSR ATC, Condition VI-2 (4/30/2020), NSR ATC (2/25/2021), AQR 12.5.2.9]*

Table VI-3: Applicable Requirements Related to Permit Shield

Citation	Title
AQR 14.1(b)(83)	"Subpart KKKK – Standards of Performance for Stationary Combustion Turbines" (for the combustion turbines and duct burners [EUs: A05/A06 and A07/A08])

Table VI-4: Applicable Requirements Related to Post- Upgrade Permit Shield

EU	Regulation (40 CFR)	Pollutant	Regulatory Standard		Permit Limit		Value Comparison			Averaging Period Comparison			Shield Statement
			Value	Units	Value	Units	Standard Value, in Units of Permit Limit	Permit Limit Value	Is Permit Limit Equal or More Stringent?	Standard Averaging Period	Permit Limit Averaging Period	Is Permit Limit Equal or More Stringent?	
A01/A02 A03/A04 A05/A06 A07/A08	60.4320 (KKKK), Table 1	NO_x	15[1]	ppmvd @ 15% O2	3	ppmvd @ 15% O2	15	3	Yes	30-day rolling	3 hour	Yes	The permit limit is more stringent than the standard, based upon both concentration and averaging time, therefore the facility should be shielded from the standard.
A01/A02 A03/A04 A05/A06 A07/A08	60.4330 (KKKK)	NO_x	96[2]	ppmvd @ 15% O2	3	ppmvd @ 15% O2	96	3	Yes	30-day rolling	3 hour	Yes	

[1]The 40 CFR Part 60 Table 1 NOx standard for modified turbine firing natural gas with heat input >850 MMBtu/hour.

[2]The 40 CFR Part 60 Table 1 NOx standard for turbine >30 MW operating at less than 75% of peak load.

ATTACHMENT 1 - APPLICABLE REGULATIONS

REQUIREMENTS SPECIFICALLY IDENTIFIED AS APPLICABLE:

1. NRS, Chapter 445B.

2. Applicable AQR sections (Table A-1).

Table A-1: Applicable AQR Sections

Citation	Title
AQR 0	*Definitions*
AQR 4	*Control Officer*
AQR 5	*Interference with Control Officer*
AQR 8	*Persons Liable for Penalties – Punishment: Defense*
AQR 9	*Civil Penalties*
AQR 10	*Compliance Schedule*
AQR 12.0	*Applicability, General Requirements and Transition Procedures*
AQR 12.4	*Authority to Construct Application and Permit Requirements for Part 70 Sources*
AQR 12.5	*Part 70 Operating Permit Requirements*
AQR 13.2(b)(82)	*Subpart ZZZZ - National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines*
AQR 14.1(b)(3)	*Subpart Da – Standards of Performance for Electric Utility Steam Generating Units for Which Construction Commenced After September 18, 1978*
AQR 14.1(b)(5)	*Subpart Dc – Standards of Performance for Small Industrial - Commercial - Institutional Steam Generating Units*
AQR 14.1(b)(40)	*Subpart GG – Standards of Performance for Stationary Gas Turbines*
AQR 18	*Permit and Technical Service Fees*
AQR 21	*Acid Rain Continuous Emissions Monitoring*
AQR 22	*Acid Rain Permits*
AQR 24	*Sampling and Testing - Records and Reports*
AQR 25	*Upset/Breakdown, Malfunctions*
AQR 26	*Emissions of Visible Air Contaminants*
AQR 28	*Fuel Burning Equipment*
AQR 40	*Prohibition of Nuisance Conditions*
AQR 41	*Fugitive Dust*
AQR 42	*Open Burning*
AQR 43	*Odors in the Ambient Air*
AQR 60	*Evaporation and Leakage*
AQR 70	*Emergency Procedures*
AQR 80	*Circumvention*

3. CAAA (authority: 42 USC Part 7401, et seq.).

4. Applicable 40 CFR sections (Table A-2).

Table A-2: Applicable 40 CFR Subsections

Citation	Title
40 CFR Part 52.21	*Prevention of Significant Deterioration (PSD)*
40 CFR Part 52.1470	*SIP Rules*
40 CFR Part 60, Subpart A	*Standards of Performance for New Stationary Sources (NSPS) – General Provisions*
40 CFR Part 60, Subpart Da	*Standards of Performance for New Stationary Sources (NSPS) – Electric Utility Steam Generating Units for Which Construction Commenced After August 17, 1971*
40 CFR Part 60, Subpart Dc	*Standards of Performance for New Stationary Sources (NSPS) – Small Industrial - Commercial - Institutional Steam Generating Units*
40 CFR Part 60, Subpart GG	*Standards of Performance for New Stationary Sources (NSPS) – Stationary Gas Turbines*
40 CFR Part 60, Subpart KKKK	*Standards of Performance for New Stationary Sources (NSPS) – Stationary Combustion Turbines.* This regulation shall apply after the date the Combustion Turbine Upgrade Projects are completed and the modified combustion turbines (EUs: A01, A03, A05 and A07) start operation.
40 CFR Part 60, Appendix A-4	*Test Methods 6 through 10B: Method 9—Visual Determination of the Opacity of Emissions from Stationary Sources*
40 CFR Part 63, Subpart ZZZZ	*National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines*
40 CFR Part 70	*Federally Mandated Operating Permits*
40 CFR Part 72	*Acid Rain Permits Regulation*
40 CFR Part 73	*Acid Rain Sulfur Dioxide Allowance System*
40 CFR Part 75	*Acid Rain Continuous Emission Monitoring*
40 CFR Part 82	*Protection of Stratospheric Ozone*

ATTACHMENT 2- ACID RAIN PERMIT APPLICATION

See next page

United States
Environmental Protection Agency
Acid Rain Program

OMB No. 2060-0258
Approval expires 12/31/2021

Acid Rain Permit Application

For more information, see instructions and 40 CFR 72.30 and 72.31.

This submission is: ☐ **new** ☐ **revised** ☑ **for ARP permit renewal**

STEP 1

Identify the facility name, State, and plant (ORIS) code.

Chuck Lenzie Generating station	NV	55322
Facility (Source) Name	State	Plant Code

STEP 2

Enter the unit ID# for every affected unit at the affected source in column "a."

a	b
Unit ID#	Unit Will Hold Allowances in Accordance with 40 CFR 72.9(c)(1)
CTG-1	Yes
CTG-2	Yes
CTG-3	Yes
CTG-4	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes

Chuck Lenzie Generating station
Facility (Source) Name (from STEP 1)

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).

(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.

Chuck Lenzie Generating station
Facility (Source) Name (from STEP 1)

STEP 3, Cont'd.

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;
   (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.

Chuck Lenzie Generating station
Facility (Source) Name (from STEP 1)

STEP 3, Cont'd.

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 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

Certification

Read the certification statement, sign, and date.

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 Dariusz Rekowski	
Signature 	Date 12-11-2019

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, send an email to the EIA. The email address is EIA-860@eia.gov.

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 Clean Air Markets 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.**