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air quality desert conservation PROGRAM sustainability

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PART 70 OPERATING PERMIT

SOURCE ID: 00533

Harry Allen Generating Station
14601 North Las Vegas Boulevard
Las Vegas, Nevada 89124

ISSUED ON: October 29, 2020 **EXPIRES ON: October 28, 2025**

Revised on: February 23, 2023

Current action: Significant Revision

Issued to:

Nevada Power Company, dba NV Energy
6226 West Sahara Avenue
Las Vegas, Nevada 89146

Responsible Official:

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NATURE OF BUSINESS:
SIC code 4911, "Electric Services"
NAICS code 212112, "Fossil Fuel Electric Power Generation"

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

Theodore A. Lendis, Permitting Manager

EXECUTIVE SUMMARY

Harry Allen Station (HAS) is an electrical power generating station located at Apex Dry Lake Industrial Park on 14601 North Las Vegas Boulevard, Las Vegas, Nevada. The legal description of the source location is: portions of T17S, R63E, Sections 23, 25, and 36 in Apex Valley, County of Clark, State of Nevada. HAS is situated in Hydrographic Area 216 (Garnet Valley). Garnet Valley is designated as attainment for all pollutants.

HAS is classified as a Categorical Stationary Source, as defined by AQR 12.2.2(j)(1). HAS is a major stationary source for PM_{10}, $PM_{2.5}$, NO_x, and CO, and is minor for SO_2, VOC, and HAP. HAS is a source of Greenhouse Gasses (GHG). HAS operates a total of four combustion turbines of which two are simple cycle turbines and the other two are combined cycle turbines. Other operating emission units include three emergency generators and one diesel emergency fire pump, and the following activities designated as insignificant activities: a wet surface air cooler, mobile combustion sources, station maintenance activities, maintenance shop activities, steam cleaning operations, emergency genset, fire pump diesel tanks, ammonia storage vessels, and lubrication oil sumps and vents.

The following table summarizes the source's potential to emit (PTE) of each regulated air pollutant from all emission units addressed by this Part 70 Operating Permit.

Table 1: Source-wide Potential to Emit

Pollutant	PM_{10}	$PM_{2.5}$	NO_X	CO	SO_2	VOC	HAPs[1]	Pb	H_2S	GHG[2]
Tons/year	151.40	151.40	311.73	279.99	14.72	64.93	5.65	0.00	0.00	2,430,928

[1] A major source is defined as 10 tons for any individual HAP or 25 tons for combination of all HAPs.
[2] Metric tons per year of carbon dioxide equivalent. GHG = greenhouse gas pollutants.

A Part 70 Operating Permit (Part 70 OP) was issued on October 29, 2020. DAQ received two (2) Title V significant revision applications on January 12, 2022 and July 6, 2022. Based on information submitted by the applicant and a technical review performed by DAQ staff, DAQ proposes issuance of this significant revision to the Part 70 Operating Permit to HAS.

DAQ will continue to require sources to estimate their GHG potential to emit in terms of each individual pollutant (CO_2, CH_4, N_2O, SF_6 etc.) during subsequent permitting actions and the corresponding TSDs include these PTEs for informational purposes.

The turbines are currently subject to the requirements of 40 CFR Part 60, Subpart GG and associated duct burners are subject to 40 CFR Part 60, Subpart Db. The fire pump is subject to the requirements of 40 CFR Part 60, Subpart IIII. The emergency generators are subject to the requirements of 40 CFR Part 63, Subpart ZZZZ. The facility is also subject to 40 CFR Part 72, and 75. After the upgrade, the turbines and associated burners will be subject to 40 CFR Part 60, Subpart KKKK instead of Subparts GG and Db.

Pursuant to AQR 12.5.2, all terms and conditions in Sections 1 through 11 are federally enforceable unless explicitly denoted otherwise.

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Common Acronyms and Abbreviations

(These terms may be seen in the permit)

Acronym	Term
ANFO	ammonium nitrate-fuel oil
AQR	Clark County Air Quality Regulation
ATC	Authority to Construct
BLM	Bureau of Land Management
CFR	Code of Federal Regulations
CO	carbon monoxide
CO_2	carbon dioxide
CD	control device
CTUP	Combustion Turbine Upgrade Project
DAQ	Division of Air Quality
DES	Clark County Department of Environment and Sustainability
DOM	date of manufacture
dscf	dry standard cubic feet
dscm	dry standard cubic meter
EPA	U.S. Environmental Protection Agency
EU	emission unit
g/gr	gram
HAP	hazardous air pollutant
HOO	Hearing Officer Order
hp	horsepower
kW	kilowatts
MMBtu/hr	Millions of British Thermal Units per Hour
MSP	Minor Source Permit
NAICS	North American Industry Classification System
NESHAP	National Emission Standards for Hazardous Air Pollutants
NO_X	nitrogen oxides
NRS	Nevada Revised Statutes
NSPS	New Source Performance Standard
NSR	New Source Review
OP	Operating Permit
$PM_{2.5}$	particulate matter less than 2.5 microns in diameter
PM_{10}	particulate matter less than 10 microns in diameter
PSD	Prevention of Significant Deterioration
PTE	potential to emit
SIP	State Implementation Plan
SIC	Standard Industrial Classification
SO_2	sulfur dioxide
TDS	Total Dissolved Solids
U.S.C.	United States Code
VMT	vehicle miles traveled
VEE	Visible Emissions Evaluation
VOC	volatile organic compound

1.0 EQUIPMENT

1.1 EMISSION UNITS

The stationary source covered by this Part 70 Operating Permit (Part 70 OP) consists of the emission units and associated appurtenances summarized in Table 1-1. *[AQR 12.5.2.3]*

Table 1-1: List of Emission Units

EU	Description	Rating	Manufacturer	Model Number	Serial Number
A01	CTG Natural Gas Turbine (Turbine Unit 5)	Nominal rating:185 MW or 206 MW upon completion of CTUP (185 MEQ/206 MEQ)	General Electric	PG7241FA	298914
A02	CTG Natural Gas Turbine (Turbine Unit 6)	Nominal rating:185 MW or 206 MW upon completion of CTUP (185 MEQ/206 MEQ)	General Electric	PG7241FA	298915
A03	Duct Burner HRSG associated with A01	173 MMBtu/hr (LHV) 22.8 MEQ			
A04	Duct Burner HRSG associated with A02	173 MMBtu/hr (LHV) 22.8 MEQ			
A07[1]	Diesel Emergency Engine	400 hp	Perkins	N37881	1
	Emergency Generator	275 kW	Katolight	D275FJP4	AD129178SLM
A08[2]	Diesel Emergency Engine	519 hp	Caterpillar	3406	4ZR08055
	Emergency Generator	350 kW		SR4B	8ER03545
A09	Natural Gas Only Turbine (Turbine Unit 4)	75 MW (MEQ =28)	General Electric	MS7001EA (PG7121)	298532
53301	Natural Gas Only Turbine (Turbine Unit 3)	79.2 MW (MEQ =53)	General Electric	MS7001EA	296449
53302	Diesel Emergency Engine	900 hp	Cummins	VTA-28-G5	25195586
	Emergency Generator	500 kW		500DFGA	C940536630
A11	Diesel Emergency Engine	175 hp	Clarke/John Deere	6068 series	PE6068T751998
	Fire Pump		Clarke	JU6H-UF34	11-061158-01-01/ QKN282

[1] Located at the Harry Allen substation.
[2] Located at the Harry Allen switchyard.

1.2 INSIGNIFICANT ACTIVITIES

The units in Table 1-2 are present at this source, but are insignificant activities pursuant to AQR 12.5.2.5. The emissions from these units or activities, when added to the PTE of the source, will not make the source major for any additional pollutant.

Table 1-2: Summary of Insignificant Activities

Mobile Combustion Sources
Station Maintenance Activities
Maintenance Shop Activities
Steam Cleaning Operations
Diesel Tanks for Emergency Genset and Fire Pump
Ammonia Storage Vessels
Lubrication Oil Sumps and Vents
Wet Surface Air Cooler, 2,800 gpm; 1,500 TDS, 0.0005% drift loss

1.3 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.

2.0 CONTROLS

2.1 CONTROL DEVICES

1. The permittee shall operate the controls as indicated in Table 2-1 at all times any affected emission unit is operating unless otherwise noted. *[NSR ATC Modification: April 16, 2009 and AQR 12.5.2.6(a)]*

Table 2-1: Summary of Add-On Control Devices

CD	Affected EU	Device Type	Manufacturer	Model No.	Pollutant
D01	A01/A03 and A02/A04	SCR[1]			NOx
D02	53301	DLN combustor			NOx
D03	A09	ULN combustor			NOx
D04	A01/A03 and A02/A04	Oxidation Catalyst[1]			CO
D05	A09	Oxidation Catalyst[1]			CO, VOC

[1]Control device is operated all times any affected emission unit is operating excluding periods of startup, shutdown, and testing/tuning.

2. The permittee shall maintain and operate each SCR system on Turbine Units 5 and 6 and their associated duct burners (EUs: A01/A03 and A02/A04) in accordance with manufacturer's specifications. *[NSR ATC Modification 6, Revision 3, Condition IV-B-3(e) (04/16/09)]*

3. The permittee shall operate the SCR at all times the associated turbine unit is operating, excluding periods of startup, shutdown, and testing/tuning. *[NSR ATC Modification 6, Revision 3, Condition IV-B-3(e) (04/16/09) and supplemental information to the Operating Permit Renewal Application (05/08/2020)]*

4. The permittee shall control NO_x exhaust emissions from Turbine Unit 3 (EU: 53301) with the use of the General Electric DLN combustor, in accordance with manufacturer's specifications and good combustion practices. *[NSR ATC Modification 6, Revision 3, Condition IV-B-3(b) (04/16/09)]*

5. The permittee shall control NO_x exhaust emissions from Turbine Unit 4 (EU: A09) with the use of a ULN combustor, in accordance with manufacturer's specifications and good combustion practices. *[NSR ATC Modification 6, Revision 3, Condition IV-B-3(c) (04/16/09)]*

6. The permittee shall maintain and operate an oxidation catalyst downstream of associated duct burners for the control of CO on Turbine Units 5 and 6 (EUs: A01/A03, and A02/A04) in accordance with manufacturer's specifications. The catalysts shall be operated at all times the associated turbine unit is operating, excluding periods of startup, shutdown, and testing/tuning. *[NSR ATC Modification 6, Revision 3, Condition IV-B-3(g) (04/16/09) and supplemental information to the Operating Permit Renewal Application (05/08/2020)]*

7. The permittee shall maintain and operate an oxidation catalyst downstream of any associated duct burners for the control of CO and VOCs on Turbine Unit 4 (EU: A09) in accordance with manufacturer's specifications. The catalysts shall be operated at all times the associated turbine unit is operating, excluding periods of startup, shutdown, and testing/tuning. *[NSR ATC Modification 6, Revision 3, Condition IV-B-3(g) (04/16/09) and supplemental information to the Operating Permit Renewal Application (05/08/2020)]*

2.2 CONTROL REQUIREMENTS

1. The permittee shall, at all times, including periods of startup, shutdown, malfunction, and testing/tuning, 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. Determination of whether acceptable operating and maintenance procedures are being used shall be based on information available to the Control Officer which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source. *[NSR ATC Modification 6, Revision 3, Condition IV-B-3(a) (04/16/09), and AQR 12.5.2.6(a)]*

SCR

2. The permittee shall operate each SCR system such that NO_x emissions do not exceed the limitations for Turbine Units 5 and 6 and their associated duct burners (EUs: A01/A03 and A02/A04) listed in Tables 3-4 and 3-5 excluding startups, shutdowns, and testing/tuning. *[NSR ATC Modification 6, Revision 3, Condition IV-B-3(f) (04/16/09) and supplemental information to the Operating Permit Renewal Application (05/08/2020)]*

DLN/ULN Combustors/Other

3. The permittee shall operate each oxidation catalyst such that CO emissions do not exceed limits listed in Tables 3-4 and 3-5 (EUs: A01/A03 and A02/A04). *[NSR ATC Modification 6, Revision 3, Condition IV-B-3(h) (04/16/09)]*

4. The permittee shall operate the oxidation catalyst such that CO and VOC emissions do not exceed limits listed in Table 3-4 (EU: A09). *[NSR ATC Modification 6, Revision 3, Condition IV-B-3(h) (04/16/09)]*

5. The permittee shall control SO_2 exhaust emissions from any turbine or duct burner by the exclusive use of pipeline quality natural gas and good combustion practices. *[NSR ATC Modification 6, Revision 3, Condition IV-B-3(i) (04/16/09)]*

6. The permittee shall control PM_{10} exhaust emissions from each turbine unit (EUs: 53301, A09, A01/A03, and A02/A04) by properly maintaining and periodically replacing inlet air filters preceding each turbine per manufacturer's specifications and good operating practices. *[NSR ATC Modification 6, Revision 3, Condition IV-B-3(j) (04/16/09)]*

Emergency Generators and Fire Pump

7. The permittee shall only combust diesel fuel with a maximum sulfur content of 15 ppm and either a minimum cetane index of 40 or a maximum aromatic content of 35% by volume in the emergency generators and fire pump (EUs: A07, A08, A11, and 53302). *[40 CFR 60.4207(b) and 40 CFR 63.6604(b)]*

8. The permittee shall operate the emergency diesel fire pump (EU: A11) with a turbocharger and aftercooler. *[NSR ATC Modification 7, Condition IV-D-1 (04/27/09)]*

9. The permittee shall maintain each emergency diesel fire pump (EUs: A07, A08, and 53302) as follows, unless the manufacturer's specifications are more stringent: *[40 CFR 63.6640, Subpart ZZZZ]*

    a. Change oil and filter every 500 hours of operation or annually, whichever comes first;

    b. Inspect air cleaners every 1,000 hours of operation or annually, whichever comes first; and

    c. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.

Other

10. The permittee shall not cause, suffer, or allow any source to discharge air contaminants (or other materials) in quantities that will cause a nuisance, including excessive odors. *[AQR 40; and AQR 43]*

11. The permittee shall comply with the control requirements contained in this section. If there is inconsistency between standards or requirements, the most stringent standard or requirement shall apply. *[AQR 12.5.2.6(a)]*

3.0 LIMITATIONS AND STANDARDS

3.1 OPERATIONAL LIMITS

Turbines

1. The permittee shall limit operation of each stationary gas turbine (EUs: A01 and A02) and duct burner (EUs: A03 and A04) to the fuel limits listed in Table 3-1 *[AQR 12.4 ATC issued (11/14/2022) and AQR 12.5.2.6(b)]*

Table 3-1: Fuel Limitations for Turbines (EUs: A01 and A02)

Equipment	Fuel Type	Max. Annual MMBtu per Any Consecutive 12- Month Period	Reference
A01, A02	Natural Gas	14,751,840 MMBtu[1]	Based on LHV of natural gas
A03, A04	Natural Gas	692,000 MMBtu[2]	Based on LHV of natural gas

[1] The annual heat input limit is established based on the average hourly heat input of 1,684 MMBtu/hr at an average annual temperature of 67°F and 8,760 hours per year.
[2]The annual heat input limit is established based on the average hourly heat input of 173 MMBtu/hr and 4,000 hours per year.

2. The permittee shall limit the operation of each turbine unit to the fuel limits listed in Table 3-2: *[NSR ATC Modification 6, Revision 3, Condition IV-B-2(a) (04/16/09) and AQR 12.5.2.6(b)]*

Table 3-2: Fuel Limitations for Turbine Units (EUs: 53301 and A09)

Equipment	Fuel Type	Max. Hourly MMBtu
Turbine Unit 3 (53301)	Natural gas only	873.1 (Based on LHV)
Turbine Unit 4 (A09)	Natural gas only	1,060 (Based on HHV)

3. The permittee shall limit operation of turbine #3 (EU: 53301) to 6,135 hours during any consecutive 12-month period. *[NSR ATC Modification 6, Revision 3, Condition IV-B-2(c) (04/16/09), Significant revision application (07/06/2022) and AQR 12.5.2.6(b)]*

4. The permittee shall limit operation of turbine #4 (EU: A09) to 3,300 hours during any consecutive 12-month period. *[NSR ATC Modification 6, Revision 3, Condition IV-B-2(d) (04/16/09) and AQR 12.5.2.6(b)]*

5. For turbine #3 (EU: 53301), startup shall be defined as the period beginning with ignition and lasting for a duration not to exceed 60 minutes. *[NSR ATC Modification 6, Revision 3, Condition IV-B-2(f) (04/16/09)]*

6. For turbine #3 (EU: 53301), shutdown means the period immediately preceding the cessation of firing of a turbine not to exceed 60 consecutive minutes. *[NSR ATC Modification 6, Revision 3, Condition IV-B-2(f) (04/16/09)]*

7. For Turbine Units 4, 5, and 6 (EUs: A09, A01, and A02), startup shall be defined as the period beginning with ignition and lasting for a duration not to exceed 180 minutes, except that for Turbine Units 5 and 6 (EUs: A01 and A02), a cold startup may extend beyond 180 minutes but shall not exceed 300 minutes. *[NSR ATC Modification 6, Revision 3, Condition IV-B-2(g) (04/16/09)]*

8. For Turbine Units 4, 5, and 6 (EUs: A09, A01, and A02), shutdown means the period immediately preceding the cessation of firing of a turbine not to exceed 60 consecutive minutes. *[NSR ATC Modification 6, Revision 3, Condition IV-B-2(g) (04/16/09)]*

9. Testing/tuning is defined as planned operation outside of normal emission limitations for the purposes of data collection, diagnostics, or operational adjustment. *[Operating Permit Renewal (10/29/2020)]*

10. The permittee shall limit all testing/tuning to a cumulative total of 600 minutes per calendar year per turbine (EUs: A01/A03, A02/A04, A09 and 53301). *[Operating Permit Renewal (10/29/2020)and AQR 12.5.2.6(b)]*

Emergency Generators and Fire Pump

11. The permittee shall limit the operation of the emergency generator(s) (EUs: A07, A08, and 53302) for testing and maintenance purposes to 100 hours/year. The permittee may operate the emergency generator(s) up to 50 hours/year for nonemergency situations, but those hours count towards the 100 hours provided for testing and maintenance. Except as provided below (3.a–e inclusive), the emergency generator(s) cannot be used for peak shavings or nonemergency demand response, or to generate income for a facility by supplying power to an electric grid or to otherwise supply power as part of a financial arrangement with another entity: *[40 CFR Part 63.6640]*

    a. The engine is dispatched by the local balancing authority and/or local transmission and distribution operator.

    b. The dispatch is intended to mitigate local transmission and/or distribution limitations to avert potential voltage collapse or line overloads that could lead to interruption of power supply in a local area or region.

    c. The dispatch follows reliability, emergency operation, or similar protocols that follow specific NERC, regional, state, public utility commission, or local standards or guidelines.

    d. The power is provided only to the facility itself or to support the local transmission and distribution system.

    e. The owner or operator identifies and records the entity that dispatches the engine and the specific NERC, regional, state, public utility commission, or local standards or guidelines that are being followed for the dispatching engine. The local balancing authority or local transmission and distribution system operator may keep these records on behalf of the engine owner or operator.

12. The permittee shall limit the operation of the emergency fire pump (EU: A11) for testing and maintenance purposes to 100 hours per year. The permittee may operate the fire pump up to 50 hours per year for nonemergency situations, but those hours count towards the 100 hours provided for testing and maintenance. *[40 CFR Part 60, Subpart IIII (60.4211(f))]*

3.2 EMISSION LIMITS

1. The permittee shall not allow actual and allowable emissions from the individual emission units to exceed the calculated PTE listed in Table 3-3 on a consecutive 12-month total, except for emission units intended for use in emergencies. Tons-per-year emission limits of each turbine unit include startup, shutdown, and testing/tuning emissions. *[NSR ATC Modification 6, Revision 3, (04/16/09) and NSR ATC Modification 7 (04/27/09), AQR 12.4 ATC issued (11/14/2022) and AQR 12.5.2.6(b)]*

Table 3-3: Emission Unit PTE, Including Startups, Shutdowns, and Testing/Tunings (tons per year)

EU	$PM_{2.5}/PM_{10}$	NO_X	CO	SO_2	VOC
A01/A03 (Turbine Unit 5)	50.20	85.90	44.68	4.40	28.10
A02/A04 (Turbine Unit 6)	50.20	85.90	44.68	4.40	28.10
A07 Diesel Emer. Generator	0.23	3.13	0.67	0.20	0.27
A08 Diesel Emer. Generator	0.70	2.31	2.41	0.40	0.03
A09 (Turbine Unit 4)	19.21	39.06	33.94	1.22	3.47
53301 (Turbine Unit 3)	30.60	88.60	152.50	4.01	4.60
53302 Diesel Emer. Generator	0.23	6.43	1.00	0.07	0.33
A11 Diesel Emer. Fire Pump	0.03	0.40	0.11	0.02	0.03

Turbines

2. The permittee shall not allow the actual and allowable emissions from each emission unit to exceed the emission rates listed in Table 3-4. Pounds-per-hour limits are normal operation (exclude startup, shutdown, and testing/tuning) limits only. The hourly emission limits for NO_x and CO shall not be exceeded for any 1-hour rolling averaging period as determined by the CEMS as described in Section 4. *[NSR ATC Modification 6, Revision 3, (04/16/09) and NSR ATC Modification 7 (04/27/09), AQR 12.4 ATC issued (11/14/2022) and AQR 12.5.2.6(b)]*

Table 3-4: Emission Rate Limitations, Excluding Startup, Shutdowns, and Testing/Tuning (pounds per hour)

EU	$PM_{2.5}/PM_{10}$	NO_X	CO	VOC
A01/A03 (Turbine Unit 5)	11.50	15.40	9.50	6.40
A02/A04 (Turbine Unit 6)	11.50	15.40	9.50	6.40
A09 (Turbine Unit 4)	9.98	19.50	8.90	1.80
53301 (Turbine Unit 3)	10.00	28.80	49.70	1.50

3. The permittee shall not allow the actual and allowable emissions from each emission unit to exceed the emission rates listed in Table 3-5. These short-term emission limits are based on a 3-hour averaging period and represent normal operation (exclude startup, shutdown, and testing/tuning) limits only. *[[NSR ATC Modification 6, Revision 3, (04/16/09) and AQR 12.5.2.6(b)]*

Table 3-5: Emission Concentration Limitations, Excluding Startup, Shutdown and Testing/Tuning for Turbine Units 5 and 6 (EUs: A01/A03 and A02/A04)[1]

Mode	NO_X @ 15% O_2	CO @ 15% O_2	VOC @ 15% O_2
With Duct Firing	2.0 ppmvd	2.0 ppmvd	2.9 ppmvd
Without Duct Firing	2.0 ppmvd	2.0 ppmvd	2.2 ppmvd

[1] On a 3-hour average basis.

4. The permittee shall not allow the sulfur content of the natural gas fuel to exceed an average concentration of 0.5 grains per 100 scf in the turbines (EUs: A09 and 53301). *[*NSR *ATC Modification 6, Revision 3, Condition IV-B-3(i) (04/16/09)]*

5. Prior to the completion of the CTUP, the permittee shall not allow the sulfur content of the natural gas fuel to exceed an average concentration of 0.5 grains per 100 scf in the turbines and duct burners (EUs: A01/A03 and A02/A04). *[NSR ATC Modification 6, Revision 3, Condition IV-B-3(i) (04/16/09)]*

6. Upon completion of the CTUP, the permittee shall limit SO_2 emissions from the combustion turbines and duct burners (EUs: A01/A03 and A02/A04) combined, to 0.060 lb per MMBtu of heat input. *[AQR 12.4 ATC issued 11/14/2022 and 40 CFR 60.4330(a)(2)]*

7. The permittee shall not allow the actual and allowable emissions from each emission unit to exceed the emissions rates listed in Table 3-6. The short-term emission limits are based on the averaging period as listed, with the table, and represent normal operation (exclude start, shutdown, and testing/tuning) limits only. *[NSR ATC Modification 6, Revision 3, Conditions IV-B-1(a) and (b) (04/16/09) and AQR 12.5.2.6(b)]*

Table 3-6: Emission Concentration Limitations, Excluding Startup, Shutdown, and Testing/Tuning for Turbine Units 3 and 4 (EUs: 53301 and A09)

EU	NO_X @ 15% O_2
53301 (Turbine Unit 3)[1]	9.0 ppmvd
A09 (Turbine Unit 4)[2]	5.0 ppmvd

[1]Limits based on a 3-hour averaging period.
[2]Limits based on a 1-hour averaging period.

8. The permittee shall not allow the actual emissions from each turbine (A09 and 53301) to exceed any time the applicable Subpart GG standards for NO_X, as defined in Table 3-7. *[40 CFR 60.332]*

Table 3-7: Applicable Subpart GG Standards, 4-hour Rolling Average

EU	NO_x STD in ppmvd @ 15% O_2
A09 (Turbine Unit 4)	95
53301 (Turbine Unit 3)	96

9. Prior to the CTUP, the permittee shall not allow the actual emissions from each turbine (EUs: A01/A03, A02/A04) to exceed any time the applicable Subpart GG standards for NOx, as defined in Table 3-8. *[40 CFR 60.332]*

Table 3-8: Applicable Subpart GG Standards, 4-hour Rolling Average

EU	NO_x STD in ppmvd @ 15% O_2
A01/A03 (Turbine Unit 5)[1]	111
A02/A04 (Turbine Unit 6)[1]	111

[1]While the Subpart GG standard is only applicable to combustion turbines, it is applied here to emissions from both the combustion turbine and the duct burner.

10. After the CTUP and commencement of the operation of the modified turbines, the permittee shall not allow actual emissions from the modified turbines to exceed any time the applicable Subpart KKKK standards for NOx, as defined in Table 3-9. *[AQR 12.4 ATC issued 11/14/2022 and 40 CFR 60.4320 and Table 1]*

Table 3-9: Applicable NO_x Concentration Standard for Subpart KKKK (ppmvd)

EU	NO_x (ppmvd @ 15% O2), 30-Day Rolling Average	
	For Turbine Loads Greater Than or Equal To 75% of Peak Load	For Turbine Loads Less Than 75% of Peak Load
A01/A02 (Turbine Unit 5)	15	96
A03/A04 (Turbine Unit 6)	15	96

11. The permittee shall not allow actual emissions from the modified turbines to exceed the emission rates in Table 3-10 during periods of testing/tuning. *[Supplemental information to the Operating Permit Renewal Application (05/08/2020)]*

Table 3-10 Emission Rate Limitations for CO during Testing/Tuning (pounds per hour)

EU	CO
A01/A03 (Turbine Unit 5)	400
A02/A04 (Turbine Unit 6)	400
A09 (Turbine Unit 4)	100
53301 (Turbine Unit 3)	200

Other

12. 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]*

4.0 COMPLIANCE DEMONSTRATION REQUIREMENTS

4.1 MONITORING

Visible Emissions [AQR 12.5.2.6(d) & AQR 12.5.2.8]

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 generators and fire pump while in operation.

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.

CEMS [AQR 12.5.2.6(d) & AQR 12.5.2.8]

6. The permittee shall comply with all applicable monitoring requirements of 40 CFR Part 60, Subparts Db, GG, and 40 CFR Part 75 until the two affected combustion turbines are upgraded and operational. The requirements of 40 CFR Part 60, Subparts Db and GG, shall no longer apply to the two affected combustion turbines (EUs: A01 and A02) and associated duct burners (EUs: A03 and A04) thereafter. *[AQR 12.4The ATC issued 11/14/2022 and 40 CFR Part 60.330]*

7. The permittee shall comply with all applicable monitoring requirements of 40 CFR Part 60, Subparts KKKK and 40 CFR Part 75 after the date the CTUP is completed and the upgraded combustion turbines (EUs: A01/A03 and A02/A04) start operation *[AQR 12.4 ATC issued 11/14/2022 and 40 CFR Part 60.4365]*

8. To demonstrate continuous direct compliance with all emission limitations for NO_x and CO specified in Section 3.2 of this permit, the permittee shall install, calibrate, maintain, operate, and certify CEMS for NO_X, CO, and either O_2 or CO_2 on each turbine unit and its associated duct burner in accordance with 40 CFR Part 75 and 40 CFR Part 60, 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 75.53, Subpart F]*

   a. Exhaust gas concentrations (in ppm) of NO_X, CO, and either diluent O_2 or CO_2 for all turbine units (EUs: 53301, A09, A01/A03, and A02/A04) at least once every 15 minutes when required by 40 CFR Part 60 or 40 CFR Part 75, as appropriate;

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

   c. Fuel flow rate;

   d. Hours of operation;

   e. 3-hour rolling average of NO_X concentrations (in ppm) for Turbine Unit 3 (EU: 53301);

   f. 1-hour rolling average CO concentrations (in ppm) for Turbine Unit 3 (EU: 53301);

   g. 1-hour rolling averages of each NO_X and CO concentrations (in ppm) for Turbine Unit 4 (EU: A09);

   h. 3-hour rolling averages of each NO_X and CO concentrations (in ppm) for Turbine Units 5 and 6 and their associated duct burners (EUs: A01/A03 and A02/A04);

   i. Hourly and consecutive 12-month period accumulated mass emissions (in pounds) of NO_X and CO; and

   j. Hours of downtime of the CEMS.

9. All emissions recorded by the CEMS shall be reported in clock hour increments. Any clock hour that contains at least one minute of a startup event shall be considered a startup hour and any clock hour that contains at least one minute of a shutdown event shall be considered a shutdown hour. *[AQR 12.5.2.6(d)]*

10. Any clock hour that contains any part of a testing/tuning event shall not be subject to the limits in Tables 3-4, 3-5, and 3-6. *[AQR 12.5.2.6(d)]*

11. The permittee shall maintain and adhere to the latest quality assurance plan, submitted to and approved by DAQ that includes auditing schedules, reporting schedules, design specifications, and other quality assurance requirements for each CEMS. *[40 CFR Part 75]*

12. The permittee shall conduct periodic audit procedures and QA/QC procedures for CEMS conforming to the provisions of 40 CFR 60 Appendix F or 40 CFR 75 Appendix B, as applicable. *[AQR 12.5.2.6(d)]*

13. The permittee shall conduct RATA of the CO, NO_X, and diluent O_2 or CO_2 CEMS at least annually or the frequency specified in 40 CFR 60 Part 60 and 75, as applicable. *[AQR 12.5.2.6(d)]*

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

15. The permittee shall verify compliance with fuel gas sulfur content in accordance with 40 CFR 60.334(h*). [AQR 12.5.2.6(d) and 40 CFR 60.334(h)]*

16. The permittee shall monitor monthly occurrences and duration of startup/shutdown cycles for each turbine unit (EUs: 53301, A09, A01/A03, and A02/A04). *[AQR 12.5.2.6(d)]*

17. The permittee shall monitor the duration of testing/tuning events for each turbine unit (EUs: 53301, A09, A01/A03, and A02/A04). *[AQR 12.5.2.6(d) and supplemental information to the Operating Permit Renewal Application (05/08/2020)]*

NSPS KKKK

18. Upon completion of the CTUP, the permittee shall monitor the total sulfur content of the fuel being fired in each turbine, except as provided in 40 CFR Part 60.4365, using the total sulfur methods described in 40 CFR Part 60.4415. *[AQR 12.4 ATC issued 11/14/2022 and 40 CFR Part 60.4360]*

19. Upon completion of the CTUP, 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/A03 and A02/A04), as required by NSPS 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: *[AQR 12.4 ATC issued 11/14/2022 and 40 CFR Part 60.4365]*

    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 gr/100 scf 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.

Emergency Generators and Fire Pump [AQR 12.5.2.6(d) & AQR 12.5.2.8]

20. The permittee shall monitor the sulfur content and cetane index or aromatic content of the fuel burned in each emergency generator/fire pump (EUs: A07, A08, A11, and 53302) by retaining a copy of vendor fuel specifications. *[40 CFR 60.4207(b) and 40 CFR 63.6604(b)]*

21. The permittee shall operate the diesel emergency generators (EUs: A07, A08, and 53302) 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. *[40 CFR 63.6625, Subpart ZZZZ]*

22. The permittee shall operate the fire pump (EU: A11) 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. *[40 CFR Part 60, Subpart IIII]*

Other

23. The permittee shall monitor the emissions (in tpy) of any regulated NSR pollutant that could increase as a result of the CTUP and that are emitted by any emissions unit affected by the change. The annual emissions from the affected emissions units shall be calculated in tons per year for a period of 10 years following resumption of regular operations after the change. *[AQR 12.4 ATC issued 11/14/2022 and AQR 12.2.1.6(c)]*

4.2 TESTING

1. At the Control Officer's request, 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. At the Control Officer's request, 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 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. Performance testing is subject to 40 CFR Part 60.8 (as amended), Subpart A, and *Clark County Department of Air Quality Guideline for Source Testing (9/19/2019)*. Performance testing shall be the instrument for determining initial compliance with the emission limitations set forth in Tables 3-4, 3-5 and 3-6 of this permit and 40 CFR Part 60, Subpart GG. *[AQR 12.5.2.8(a)]*

    a. Initial performance tests for Turbine Unit 3 were conducted on June 5, 6, and 7, 1995.

    b. Initial performance tests for Turbine Unit 4 were conducted on April 24, 2006.

    c. Initial performance tests for Turbine Units 5 and 6 were completed on April 25, 26, and 27, 2011.

6. Upon completion of the CTUP, the permittee shall conduct performance testing on the upgraded turbines according to the following conditions (EUs: A01 and A02): *[AQR 12.4 ATC issued 11/14/2022]*

    a. The permittee shall conduct a performance test within 60 days of achieving the maximum operating production rate, but no later than 180 days after startup of the upgraded turbines.

    b. The permittee may be required to perform subsequent performance tests as determined by the Control Officer.

7. The permittee shall use the performance testing methodologies for individual emission units listed in Table 4-1. The Control Officer will consider approving a request for alternative performance test methods if proposed in writing in the performance test protocols. *[AQR 12.4 ATC issued 11/14/2022 and AQR 12.5.2.8(a)]*

Table 4-1. Performance Testing Protocol Requirements

EU	Test Point	Pollutant	Method	Frequency
A01, A02	Turbine Stack(s)	NO_X	EPA Method 7E	Initial
		CO	EPA Method 10	
		VOC	EPA Method 18, 25, and/or 25A	
		$PM_{10}/PM_{2.5}$	EPA Method 5 and 202, or 201A and 202	
		—	EPA Methods 1, 2 or 19, 3a, and 4	

8. Upon completion of the CTUP, the permittee shall conduct initial performance tests on the upgraded combustion turbines (EUs: A01 and A02) and associated duct burners (EUs: A03 and A04) for NOX per the requirements of 40 CFR 60.8. Alternatively, the permittee may use the CEMS RATA procedures in 40 CFR Part 60.4405 to fulfill the requirements for performance tests under 40 CFR Part 60.8. *[AQR 12.4 ATC issued 11/14/2022 and 40 CFR Parts 60.4400 and 60.4405]*

9. 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)]*

10. 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]*

11. The permittee of any stationary source that fails to demonstrate compliance with emissions standards or limitations during any performance test shall submit a compliance plan to the Control Officer within 90 days of the end of the performance test. *[AQR 12.5.2.8(a)]*

12. The Control Officer may require additional performance testing when operating conditions appear inadequate to demonstrate compliance with the emissions and/or limitations in this permit. *[AQR 4.2 and AQR 12.5.2.8(a)]*

4.3 RECORDKEEPING

1. The permittee shall keep records of all inspections, maintenance, and repairs, as required by this permit. *[AQR 12.5.2.6(d) and AQR 12.5.2.8]*

2. The permittee shall comply with all applicable recordkeeping requirements of 40 CFR Part 60.7; 40 CFR Part 60, Subparts GG and Db; 40 CFR Part 72; 40 CFR Part 75, Subpart F; and any other applicable regulations until the two affected combustion turbines are upgraded and operational. These requirements of 40 CFR Part 60, Subparts Db and GG shall no longer apply to the two upgraded combustion turbines (EUs: A01 and A02) and associated duct burners (EUs: A03 and A04). *[AQR 12.4 ATC issued 11/14/2022]*

3. The permittee shall comply with all applicable recordkeeping requirements of 40 CFR Part 60.7; 40 CFR Part 60, Subpart KKKK; 40 CFR Part 72; 40 CFR Part 75, Subpart F; and any other applicable regulations after the date the CTUP is completed and the upgraded combustion turbines (EUs: A01/A03 and A02/A04) start operation. *[AQR 12.4 ATC issued 11/14/2022]*

4. A quality assurance plan approved by the Control Officer 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/or 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 upgraded combustion turbines (EUs: A01 and A02). After the date the CTUP is completed and the upgraded combustion turbines start operation; the NO_X CEMS will instead follow the requirements of NSPS KKKK and 40 CFR Part 75. *[AQR 12.4 ATC issued 11/14/2022]*

5. The permittee shall include in each record, 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 12.4 ATC issued 11/14/2022]*

6. All records, logs, etc., or copies thereof, shall be kept on-site for a minimum of five years from the date the measurement, or data was entered. *[AQR 12.5.2.6(d) and AQR 12.5.2.8]*

7. Records and data required by this permit to be maintained by the permittee may be audited at any time by a third party selected by the Control Officer. *[AQR 4.1]*

Records and Data

8. At a minimum, the permittee shall create and maintain the records identified in Section 4.3.1, all of which must be producible on-site to the Control Officer's authorized representative upon request and without prior notice during the permittee's hours of operation. [AQR 12.5.2.6(d) and AQR 12.5.2.8]

9. The permittee shall maintain the following records onsite that require semiannual reporting and include, at a minimum: *[AQR 12.5.2.6(d) and AQR 12.5.2.8]*

    a. The magnitude and duration of excess emissions, notifications, monitoring system performance, malfunctions and corrective actions taken as required by 40 Part CFR 60.7;

    b. The number of occurrences and the duration of each testing/tuning event, as well as the reason for the testing/tuning;

    c. The records of the emissions (in tpy) of any regulated NSR pollutant that could increase as a result of the CTUP for a period of 10 years following resumption of regular operations after the change *[AQR 12.4 ATC issued 11/14/2022]*;

Turbines and Duct Burners (EUs: A01/A03 and A02/A04)

    d. Monthly, consecutive 12-month total heat input in MMBtu for turbines EU: A01 and EU: A02;

    e. Monthly, consecutive 12-month total heat input in MMBtu for duct burners EU: A03 and EU: A04

    f. Monthly, consecutive 12-month total hours of operation for turbines EU: A09 and EU: 53301;

    g. Monthly CEMS NO_X and CO mass emission and each consecutive 12-month total of NO_X and CO emissions including startup, shutdown, testing/tuning and normal operations in tons;

    h. Dates, times, and duration of each startup, shutdown cycle, and testing/tuning event;

CEMS

    i. CEMS audit results or accuracy checks, corrective actions, etc., as required by 40 CFR 60, Appendix F and the CEMS QA Plan;

    j. All CEMS information required by the CEMS Quality Assurance plan as specified in 40 CFR 75 Subpart F and Monitoring Section of this permit;

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

Emergency Generators and Fire Pump (EUs: A07, A08, A11, and 53002)

    l. Records of fire pump and emergency generators inspection/maintenance

m. Sulfur content and cetane index or aromatic content of diesel fuel used to power each emergency generator/fire pump, as certified by the supplier;

n. Monthly hours of operation of the fire pump engine and the emergency generator engines for testing and maintenance purposes, and separately for operation during emergency;

o. Monthly hours of operation of the fire pump engine and the emergency generator engines for operation during emergency;

Other

p. Deviations from permit requirements resulting in excess emissions (report as required by Section 4.4); and

q. Deviations from permit requirements not resulting in excess emissions (report semiannually).

10. The permittee shall maintain the following records on-site: *[AQR 12.5.2.6(d) and AQR 12.5.2.8]*

Turbines and Duct Burners (EUs: A01/A03 and A02/A04)

a. Startup and shutdown short-term total emissions for each pollutant per stationary gas turbine for each cycle event and yearly emissions for each pollutant in tons per year (each 12-month cumulative total calculated on a monthly basis);

b. Hourly heat input in MMBtu for turbines EU: A09 and EU: 53301;

c. Dates and hours of operation with monthly totals for turbines EU: A09 and EU:53301;

d. Documentation verifying sulfur content of natural gas;

e. Manufacturer's O&M manual for SCR, DLN and ULN combustors, and Oxidation Catalyst controls;

CEMS

f. All CEMS information required by the CEMS Quality Assurance Plan which shall contain auditing schedules, reporting schedules, and design specifications for the CEMS. The CEMS shall conform to applicable provisions of 40 CFR Part 60, Subpart GG and 40 CFR Part 75 (the QA Plan has been approved by the Control Officer) as specified in 40 CFR 75 Subpart F and Monitoring Section of this permit;

g. Each CEMS "out-of-control" period, as defined in 40 CFR 75, Appendix B;

h. CEMS audit results, RATA, corrective actions, etc., as required by 40 CFR 60 and the CEMS quality assurance plan;

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

Nonroad Engines

j. Records of location changes for nonroad engines, if applicable.

Other

k. Log of visible emissions checks on all emission units to include the stationary gas turbines, emergency generator and the fire pump;

l. Annual emissions (tons per year) of each generator and fire pump and the source;

m. Annual copies of all reports, compliance certifications, other submissions and all records made or required under the Acid Rain Program;

n. 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; and

o. Summary of results of all performance testing.

4.4 REPORTING AND NOTIFICATIONS

1. 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)]*

2. 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 Radiation 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.

3. The permittee shall report to the Control Officer any startup, shutdown, malfunction, emergency, 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.

4. 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, 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)]*

5. 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]*

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

7. 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)]*

8. 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)]*

9. At the Control Officer's request, 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]*

10. The permittee shall submit annual emissions inventory reports based on the following: *[AQR 18.6.1 and AQR 12.5.2.4]*

    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).

11. 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) from their emission units, insignificant activities, and exempt activities during a calendar year shall submit an annual emissions statement for both pollutants. Emissions statements 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 (aka Emissions Inventory). *[AQR 12.9.1]*

12. The permittee shall comply with all applicable notification and reporting requirements of 40 CFR Part 60.7, 40 CFR Part 60 Subpart Db, 40 CFR Part 60, Subpart GG, 40 CFR Part 60 Subpart IIII, 40 CFR Part 60 Subpart KKKK, 40 CFR Part 63 Subpart ZZZZ, 40 CFR Part 72.9(f), and 40 CFR Part 75. *[AQR 12.5.2.6(d)]*

13. The permittee shall submit semiannual monitoring reports to DAQ. *[AQR 12.5.2.6(d) and AQR 12.5.2.8]*

14. The following requirements apply to semiannual reports: *[AQR 12.5.2.6(d) and AQR 12.5.2.8]*

    a. The report shall include item listed in Section 4.3.1 that require semiannual reporting.

    b. The report shall be based on a calendar semiannual period, which includes partial reporting periods.

    c. The report shall be received by DAQ within 30 calendar days after the semiannual period.

15. Regardless of the date of issuance of this OP, the source shall comply with the schedule for report submissions outlined in Table 4-2. *[AQR 12.5.2.6(d) and AQR 12.5.2.8]*

Table 4-2: Required Submission Dates for Various Reports

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; 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 permittee learns of the event
Excess Emissions that Pose a Potential Imminent and Substantial Danger	As required	Within 12 hours of when permittee learns of 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 semiannual reports[1]
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 end of test[1]
RATA Protocol	As required	No less than 21 days, but no more than 90 days, before the anticipated test date[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, 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.

16. The Control Officer reserves the right to require additional reports and reporting to verify compliance with permit emission limits, applicable permit requirements, and requirements of applicable federal regulations. *[AQR 4.1]*

5.0 MITIGATION

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

6.0 PERMIT SHIELD

Permit Shield

1. The source has requested a permit shield for applicable regulations in the following regulations (Table 6-1). *[AQR 12.5.2.9]*

Table 6-1: Applicable Requirements Related to Permit Shield

Citation	Title	Permit Condition#
AQR 14.1(b)(40), Subpart GG	NSPS – Stationary Gas Turbines	3.2.4

2. Compliance with the terms contained in this permit shall be deemed compliance with the applicable requirements (Table 6-2) in effect on the date of permit issuance. *[AQR 12.5.2.9]*

3. After completion of the upgrade project and start-up of turbines EUs: A01 and A02; this permit shield will not be applicable for NSPS GG.

Table 6-2: Streamlined Requirements Related to Permit Shield (Natural Gas-Fired)

EU	Regulation (40 CFR)	Pollutant	Reg. Std.	Permit Limit	Value Comparison			Streamlining Statement for Shielding Purposes
					Std Val in Units of Permit Limit	Permit Limit Value	Is Permit Limit Equal or More Stringent?	
A01, A02, A09, 53301	60.333 (GG)	SO_2	0.8% sulfur by weight (8,000 ppmv)	0.5 grains sulfur per 100 scf	260[1]	0.5	Yes	The permit limit is more stringent than the standard, based on both concentration and averaging time, therefore the facility should be shielded from the standard.

[1]Sulfur content was converted from percent by weight to grains (gr) per 100 standard cubic feet (scf) as follows: 0.8% sulfur = 56 gr per pound (lb) natural gas. Assuming an average molecular weght of 18 lb/lb-mol for 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.

7.0 ACID RAIN REQUIREMENTS

1. In accordance with the provisions of Title IV of the Clean Air Act and 40 CFR Parts 72 through 77, an Acid Rain Permit was issued to Nevada Power Harry Allen Station, Apex Dry Lake Industrial Park, Clark County Nevada.

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

3. The permittee shall comply with all the applicable requirements of the Acid Rain Permit application located in Section 11. *[40 CFR Part 72.30]*

4. This Acid Rain Permit incorporates the definitions of terms in 40 CFR Part 72.2.

5. This Acid Rain 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 for an Acid Rain Permit 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 and 40 CFR Part 70.6(a)(4)]*

8. Where an applicable requirement of the Act is more stringent than an applicable requirement of Title IV regulations, both provisions shall be incorporated into the permit and shall be enforceable. *[40 CFR Part 70.6(a)(1)(ii)]*

8.0 OTHER REQUIREMENTS

1. 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]*

2. 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]*

3. 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)]*

4. 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 Class I or Class II ozone-depleting substance or any nonexempt substitute refrigerant 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]*

5. A risk management plan is required for the storing, handling and use of an applicable "Highly Hazardous Chemical" pursuant to 40 CFR Part 68. The permittee shall submit revisions of the risk management plan to the appropriate authority and a copy to DAQ. *[40 CFR Part 68.150(b)(3)]*

9.0 ADMINISTRATIVE REQUIREMENTS

9.1 GENERAL

1. The permittee shall comply with all conditions of the Part 70 OP. 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; for permit termination, revocation and reissuance, or revision; or for denial of a 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 be unaffected 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. This permit does not convey 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; and AQR 12.5.2.8(b)]*

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

9. 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)]*

9.2 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) 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. The permit shall be reopened under any of the following circumstances and when all applicable requirements pursuant to AQR 12.5.2.15 are met: *[AQR 12.5.2.15(a)]*

    a. New applicable requirements become applicable to a stationary source considered "major" (per the definition in AQR 12.2, AQR 12.3, or 40 CFR Part 70.3(a)(1)) with a remaining permit term of three or more years;

    b. Additional requirements (including excess emissions requirements) become applicable to an affected source under the Acid Rain Program;

    c. The Control Officer or U.S. Environmental Protection Agency (EPA) determines that the permit contains a material mistake, or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit; or

    d. The EPA Administrator or the Control Officer determines that the permit must be revised or revoked to assure compliance with applicable requirements.

4. 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.

5. 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]*

6. 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)]*

7. 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)]*

8. 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)]*

10.1 APPLICABLE REGULATIONS

Requirements Specifically Identified as Applicable

1. NRS, Chapter 445B.

2. Applicable AQRs listed in Table 10-1.

Table 10-1: Applicable Clark County AQRs

Citation	Title
AQR 00	"Definitions"
AQR 04	"Control Officer"
AQR 05	"Interference with Control Officer"
AQR 08	"Persons Liable for Penalties – Punishment: Defense"
AQR 09	"Civil Penalties"
AQR 10	"Compliance Schedules"
AQR 11	"Ambient Air Quality Standards"
AQR 12.0	"Applicability and General Requirements"
AQR 12.4	"Authority to Construct Application and Permit Requirements for Part 70 Sources"
AQR 12.5	"Part 70 Operating Permit Requirements"
AQR 12.9	"Annual Emissions Inventory Requirement"
AQR 13.2(b)(1)	"Subpart A - General Provisions"
AQR 13.2(b)(82)	"Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines"
AQR 14.1(b)(1)	"Subpart A – General Provisions"
AQR 14.1(b)(4)	"Subpart Db - Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units"
AQR 14.1(b)(40)	Subpart GG - Standards of Performance for Stationary Gas and Combustion Turbines"
AQR 14.1(b)(81)	"Subpart IIII – Standards of Performance for Stationary Compression Ignition Internal Combustion Engines"
AQR 18	"Permit and Technical Service Fees"
AQR 21	"Acid Rain Continuous Emissions Monitoring"
AQR 22	"Acid Rain Permits"
AQR 25	"Affirmative Defense for Excess Emissions due to Malfunctions, Startup, and Shutdown"
AQR 26	"Emission of Visible Air Contaminants"
AQR 28	"Fuel Burning Equipment"
AQR 40	"Prohibitions of Nuisance Conditions"
AQR 41	"Fugitive Dust", AQR 41.1.2 only
AQR 42	"Open Burning"
AQR 43	"Odors in the Ambient Air"
AQR 70	"Emergency Procedures"
AQR 80	"Circumvention"

3. Clean Air Act Amendments (42 U.S.C. § 7401, et seq.)

4. Applicable 40 CFR sections are listed in Table 10-2.

Table 10-2: Applicable CFRs

Citation	Title
40 CFR Part 52.21	"Prevention of significant deterioration of air quality"
40 CFR Part 52.1470	"Approval and Promulgation of Implementation Plans, Subpart DD—Nevada"
40 CFR Part 60, Subpart A	"General Provisions"
40 CFR Part 60, Subpart Db	"Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units"
40 CFR Part 60, Subpart GG	"Standards of Performance for New Stationary Sources Stationary Gas Turbines"
40 CFR Part 60, Subpart IIII	"Standards of Performance for Stationary Compression Ignition Internal Combustion Engines"
40 CFR Part 63, Subpart A	"General Provisions"
40 CFR Part 63, Subpart ZZZZ	"National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines"
40 CFR Part 70	"State Operating Permit Programs"
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"

United States
Environmental Protection Agency
Acid Rain Program

OMB No. 2060-0258
Approval expires 11/30/2012

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.

Facility (Source) Name	State	Plant Code
Harry Allen Generating Station	NV	7082

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)
**3	Yes
**4	Yes
**5	Yes
**6	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes

EPA Form 7610-16 (Revised 7-2014)

Harry Allen 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).

Harry Allen Generating Station
Facility (Source) Name (from STEP 1)

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

Harry Allen Generating Station
Facility (Source) Name (from STEP 1)

of a new certificate of representation changing the designated representative;

STEP 3, Cont'd.

Recordkeeping and Reporting Requirements, Cont'd.

(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

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: Dariusz Rekowski	
Signature: 	Date: 8-20-2019

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.**

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 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.