



State of Utah

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Department of  
Environmental Quality

Amanda Smith  
*Executive Director*

DIVISION OF AIR QUALITY  
Cheryl Heying  
*Director*

DAQE-AN0102380021-10

January 19, 2010

Jim Doak  
PacifiCorp Energy  
1407 W. North Temple  
Suite 330  
Salt Lake City, UT 84116

Dear Mr. Doak:

Re: Approval Order: Installation of Pollution Control Equipment and Establishing Plantwide Applicability Limitations  
Emergy County; CDS A; NSPS (Part 60), PSD, Title IV (Part 72 / Acid Rain), Title V (Part 70), Title V (Part 70) Major source  
Project Number: N0102380021

The attached document is the Approval Order for the above-referenced project. Future correspondence on this Approval Order should include the engineer's name as well as the DAQE number as shown on the upper right-hand corner of this letter. The project engineer for this action is John Jenks, who may be reached at (801) 536-4459.

Sincerely,

M. Cheryl Heying, Executive Secretary  
Utah Air Quality Board

MCH:JJ:dn

cc: Mike Owens  
Southeastern Utah District Health Department

**STATE OF UTAH**

**Department of Environmental Quality**

**Division of Air Quality**

**APPROVAL ORDER: Installation of Pollution Control Equipment  
and Establishing Plantwide Applicability Limitations**

**Prepared By: John Jenks, Engineer  
Phone: (801) 536-4459  
Email: [jjenks@utah.gov](mailto:jjenks@utah.gov)**

**APPROVAL ORDER NUMBER**

**DAQE-AN0102380021-10**

**Date: January 19, 2010**

**PacifiCorp Energy  
Huntington Power Plant**

**Source Contact:  
Mr. Darrell Cunningham  
Phone: (435) 687-4211**

**M. Cheryl Heying  
Executive Secretary  
Utah Air Quality Board**

## Abstract

This is an Administrative Amendment to correct a date reference in DAQE-AN0102380020-09. The original abstract is included below.

On April 15, 2008, PacifiCorp Energy submitted an NOI to install new emissions control equipment at the Huntington Power Plant on the Unit #1 boiler in order to substantially reduce plant emissions. The NOI was supplemented with CO modeling information in January 2009. The new emissions control equipment will consist of low-NO<sub>x</sub> burners, replacement of the ESP with a fabric filter, and upgrade of the flue gas desulfurization system. In addition, PacifiCorp Energy is requesting plantwide applicability limits for SO<sub>2</sub> and NO<sub>x</sub> emissions, along with lower emission limits at Unit #1 for those same pollutants. The installation of the low-NO<sub>x</sub> burners on Unit #1 may increase CO emissions. In addition, past PTE emissions of CO were estimated using now-outdated emission factors. These two issues result in a new PTE for CO above the PSD significance threshold of 100 tons per year. Therefore a PSD modification for CO is required.

The Unit #1 and #2 boilers are subject to NSPS Subpart D. Title IV and Title V of the 1990 Clean Air Act apply to this source. The Title V Operating Permit will be updated prior to operating the modified equipment. The source is located in Emery County, which is an attainment area for all pollutants. After the installation and upgrades of the control equipment, the emissions from the #1 boiler, in tons per year, will change as follows: PM<sub>10</sub> = -835, NO<sub>x</sub> = -546, SO<sub>2</sub> = -13,921, CO = +7,109, VOC = +25, and H<sub>2</sub>SO<sub>4</sub> = -14.8. The change in emissions will result in the following, in tons per year, totals for the plant: PM<sub>10</sub> = 925, NO<sub>x</sub> = 11,356, SO<sub>2</sub> = 5,220, CO = 14,218, VOC = 119, and H<sub>2</sub>SO<sub>4</sub> = 1.6. Established PALs for the plant include the PSD significance level of 40 tons per year, and are set at NO<sub>x</sub> = 11,396 tons/year and SO<sub>2</sub> = 5,260 tons/year based on a 12-month rolling average.

This air quality AO authorizes the project with the following conditions and failure to comply with any of the conditions may constitute a violation of this order. This AO is issued to, and applies to the following:

**Name of Permittee:**

PacifiCorp Energy  
1407 W. North Temple  
Suite 330  
Salt Lake City, UT 84116

**Permitted Location:**

PacifiCorp: Huntington Power Plant  
P. O. Box 680  
Huntington, UT 84528

**UTM coordinates:** 493130 m Easting, 4358840 m Northing  
**SIC code:** 4911 (Electric Services)

### **Section I: GENERAL PROVISIONS**

- I.1 All definitions, terms, abbreviations, and references used in this AO conform to those used in the UAC R307 and 40 CFR. Unless noted otherwise, references cited in these AO conditions refer to those rules. [R307-101]
- I.2 The limits set forth in this AO shall not be exceeded without prior approval. [R307-401]
- I.3 Modifications to the equipment or processes approved by this AO that could affect the emissions covered by this AO must be reviewed and approved. [R307-401-1]

- I.4 All records referenced in this AO or in other applicable rules, which are required to be kept by the owner/operator, shall be made available to the Executive Secretary or Executive Secretary's representative upon request, and the records shall include the two-year period prior to the date of the request. Unless otherwise specified in this AO or in other applicable state and federal rules, records shall be kept for a minimum of five (5) years. [R307-415-6b]
- I.5 At all times, including periods of startup, shutdown, and malfunction, owners and operators shall, to the extent practicable, maintain and operate any equipment approved under this AO, including associated air pollution control equipment, in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Executive Secretary which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source. All maintenance performed on equipment authorized by this AO shall be recorded. [R307-401-4]
- I.6 The owner/operator shall comply with R307-150 Series. Inventories, Testing and Monitoring. [R307-150]
- I.7 The owner/operator shall comply with UAC R307-107. General Requirements: Unavoidable Breakdowns. [R307-107]

## **Section II: SPECIAL PROVISIONS**

- II.A The approved installations shall consist of the following equipment:**
- II.A.1 **Huntington Power Plant**  
Two nominal 480 MW utility boilers
- II.A.2 **Boiler Unit #1**  
Nominal 480 MW gross capacity dry bottom, tangentially-fired utility boiler fired on subbituminous and bituminous coal using fuel oil during startup & flame stabilization. Equipped with a fabric filter baghouse, low NO<sub>x</sub> burners with overfire air system, and an SO<sub>2</sub> FGD scrubber. NSPS Subpart D.
- II.A.3 **Boiler Unit #2**  
Nominal 480 MW gross capacity dry bottom tangentially-fired utility boiler fired on subbituminous and bituminous coal using fuel oil during startup & flame stabilization. Equipped with a fabric filter baghouse, low-NO<sub>x</sub> burners with overfire air system, and an SO<sub>2</sub> FGD scrubber.
- II.A.4 **Coal Storage**  
Existing covered coal storage facility and open coal pile. No unit-specific applicable requirements.
- II.A.5 **Ash Landfill**  
Ash and sludge disposal. No unit-specific applicable requirements.

- II.A.6           **Unit #1 Cooling Towers**  
Unit #1 cooling towers for the circulating water system.
- II.A.7           **Unit #2 Cooling Towers**  
Unit #2 cooling towers for the circulating water system.
- II.A.8           **Coal Conveyors**  
Coal transfer on plant site.
- II.A.9           **Ash Haul Road (dirt)**  
Unpaved ash haul road.
- II.A.10          **Ash Haul Road (paved)**  
Paved ash haul road.
- II.A.11          **Unit #1 Emergency Generator (diesel engine)**  
Emergency generator (diesel engine) for Unit #1
- II.A.12          **Unit #2 Emergency Generator (diesel engine)**  
Emergency generator (diesel engine) for Unit #2.
- II.A.13          **Emergency Fire Pump (diesel engine)**  
Emergency fire pump (diesel engine).
- II.A.14          **Coal Silo System Exhauster for Unit #1**  
Coal silos for Unit #1 equipped with exhausters and dust collectors.
- II.A.15          **Coal Silo System Exhauster for Unit #2**  
Coal silos for Unit #2 equipped with exhausters and dust collectors.
- II.A.16          **Lime silo**  
Lime silo bin vent
- II.A.17          **Distillate Fuel Oil Tanks**  
Three 70,000 gallon tanks (1973) and day tanks for the emergency diesel generators and fire pumps. No unit-specific applicable requirements.
- II.A.18          **Lube Oil Storage Tanks**  
Four 10,000 gallon tanks that store lubricating oil including vents and associated equipment; two each constructed in 1973 and 1975. No unit-specific applicable requirements.
- II.A.19          **Oil Storage Area**  
Storage area for oil contained in closed 55 gallon drums. No unit-specific applicable requirements.
- II.A.20          **Paved Access Road and Parking Area**  
Paved access road from the plant entrance to the administration building and parking area. No unit-specific applicable requirements.

- II.A.21        **Cold Solvent Degreasing Operations**  
Bench-top cold degreasing units using Safety-Kleen, Simple Green, or other comparable degreasing agents. No unit-specific applicable requirements
- II.A.22        **Miscellaneous Electrical Equipment**  
Fugitive emission units including transformer insulating oil. No unit-specific applicable requirements.
- II.A.23        **Diesel Refueling Stations and Storage Tanks**  
Miscellaneous fuel storage tanks and associated dispensing equipment to refuel fleet vehicles and mobile equipment. No unit-specific applicable requirements.
- II.A.24        **Gasoline Vehicle Refueling Station and Tanks**  
Miscellaneous gasoline storage tanks and associated dispensing equipment to refuel fleet vehicles and mobile equipment. No unit-specific applicable requirements.
- II.A.25        **Unit #1 Generator Seal Oil Air Detraining Tanks**  
Atmospheric vents from the seal oil air detraining tanks for Boiler Unit #1.
- II.A.26        **Unit #2 Generator Seal Oil Air Detraining Tanks**  
Atmospheric vents from the seal oil air detraining tanks for Boiler Unit #2.
- II.A.27        **Unit #1 Lube Oil Reservoirs**  
Lube oil reservoirs with vapor extractors for Boiler Unit #1.
- II.A.28        **Unit #2 Lube Oil Reservoirs**  
Lube oil reservoirs with vapor extractors for Boiler Unit #2.
- II.A.29        **Truck Mounted Vacuum System**  
Mobile truck mounted vacuum to clean up spilled material such as ash.
- II.A.30        **Ash Unloader for Unit #1**  
Equipment for unloading ash from silos and into trucks for transport to the ash landfill.
- II.A.31        **Ash Unloader for Unit #2**  
Equipment for unloading ash from silos and into trucks for transport to the ash landfill.
- II.A.32        **Emission Units Subject to 40% Opacity Limit**  
Units constructed prior to April 25, 1971 consisting of Boiler Unit #2 coal silo system exhauster, Unit #2 ash unloader, Unit #2 Generator Seal Oil Air Detraining Tanks, Unit #2 Lube Oil Reservoir, and the coal reject handling system (Emission Unit #35).
- II.A.33        **Coal Reject Handling System**  
Material handling system that separates reject materials from the coal prior to pulverizing.
- II.A.34        **Hazardous Waste Storage Area**  
Area where hazardous waste is stored temporarily awaiting disposal.
- II.A.35        **Electro-hydraulic Control Reservoirs**  
Three 400 gallon tanks that store lubricating oil.

- II.A.36        **Water Treatment Chemical Tanks**  
Tank storage including sulfuric acid, hydrochloric acid, lime, soda ash, sodium hydroxide, anti-scale, and other miscellaneous water treatment chemicals.
- II.A.37        **Paint Storage Areas**  
Various storage areas for sealed paint containers.
- II.A.38        **Coal handling and Blending Equipments**  
Includes truck unloading hopper enclosed on the sides with water sprays, covered conveyor belts with enclosed transfer stations, radial stacker, Stamler feeder with water sprays, and screens. NSPS Subpart Y.
- II.A.39        **Real Time Coal Analyzer**  
Thermo Electron CQM coal analyzer with hopper and associated covered conveyor belts with enclosed transfer stations equipped with dust closure seals and curtains at all loading points.
- II.A.40        **Unit #2 fabric filter for fly ash bin vent**  
One fabric filter for fly ash silo bin vent
- II.A.41        **Unit #2 Fabric filters group**  
Includes two fabric filters for each of the two waste lime day bin vents, one fabric filter for lime silo vent, and two fabric filters for each of the two lime silo day bin vents.
- II.A.42        **Research farm water pump**  
27.5 HP diesel-driven water pump

**II.B        Requirements and Limitations**

II.B.1        **Conditions on Permitted Source**

- II.B.1.a        PacifiCorp Energy (PacifiCorp) shall notify the Executive Secretary in writing when the installation of each new low-NO<sub>x</sub> system, scrubber upgrade and fabric filter baghouse installation listed in II.A has been completed and is operational, as an initial compliance inspection is required for each system. To insure proper credit when notifying the Executive Secretary, send your correspondence to the Executive Secretary, attn: Compliance Section.

Installation of each new low-NO<sub>x</sub> system, scrubber upgrade, and fabric filter baghouse is deemed complete and operational following the completion of acceptance testing. All pollution control equipment acceptance tests will be completed within 180 days of initial startup of each low-NO<sub>x</sub> system, scrubber upgrade, and fabric filter baghouse installation.

If installation has not been completed within 18 months from the date of DAQE-AN0102380019-09 (August 6, 2009), the Executive Secretary shall be notified in writing on the status of the installation. At that time, the Executive Secretary shall require documentation of the continuous installation of the operation and may revoke the AO in accordance with R307-401-18. [R307-401-18]

- II.B.1.b        All coal conveyors and drop points shall be enclosed. [R307-401]

- II.B.1.c        Except as outlined below, visible emissions shall be no greater than 20%. Opacity observations of emissions from stationary sources shall be conducted in accordance with 40

CFR 60, Appendix A, Method 9. For sources that are subject to NSPS, opacity shall be determined by conducting observations in accordance with 40 CFR 60.11(b) and 40 CFR 60, Appendix A, Method 9. [R307-401]

- II.B.1.c.1 Visible emissions from the coal reject handling system shall be no greater than 40% opacity. [R307-401]
- II.B.1.c.2 Visible emissions shall be no greater than 5% opacity at all conveyor transfer points and conveyor drop points for the coal blending equipment. [R307-401]
- II.B.1.c.3 Visible emissions shall be no greater than 10% opacity for the truck unloading hopper, radial stacker, and all screens. [R307-401]
- II.B.1.c.4 There shall be no visible emissions at the Real-Time coal analyzer and all associated conveyor transfer points and conveyor drop points.

A visual observation of the site shall be made at least once each month. A log of the visual observations shall be maintained, including the date and time of each inspection and the name of the person making the inspection. Any visible emissions observed shall be reported as a deviation. [R307-401]

- II.B.1.d The owner/operator shall abide by the latest fugitive dust control plan approved by the Executive Secretary for control of all dust sources associated with the Huntington Power Plant. The dust control plan shall meet all applicable requirements of R307-205 for Fugitive Emissions and Fugitive Dust Sources. [R307-205]
- II.B.1.e The owner/operator shall abide by all applicable requirements of R307-206 for Abrasive Blasting Emission Standards. [R307-206]
- II.B.1.f The sulfur content of any fuel oil shall not exceed 0.85 lbs/MMBtu heat input. The sulfur content shall be determined by ASTM methods D2015-88 or D3286-85 or approved equivalent. [R307-401]
- II.B.1.g At all times the Plantwide Applicability Limits (PALs) for the entire Huntington Plant from all point sources and fugitive emissions shall not exceed the following:

SO<sub>2</sub> Limit: 5,260 tons/year based on a 12-month rolling total beginning in the month following the installation of the Unit 1 FGD upgrades.

NO<sub>x</sub> Limit: 11,396 tons/year based on a 12-month rolling total beginning in the month following the installation of the Unit 1 low-NO<sub>x</sub> systems.

[R307-401]

- II.B.1.g.1 The SO<sub>2</sub> and NO<sub>x</sub> PALs shall be monitored in accordance with 40 CFR Part 52.21.21(aa)(12) and at a minimum it shall be done by summing up emissions from the:

Units #1 and #2 main boiler stacks, PacifiCorp's reporting to EPA's Acid Rain Emissions data base for NO<sub>x</sub> and SO<sub>2</sub> in pounds per hour obtained from the boilers' CEM data shall be used to calculate NO<sub>x</sub> and SO<sub>2</sub> emission rates. All reported SO<sub>2</sub> emissions, including emissions associated with startups, shutdowns, and malfunctions, in pounds per hour, shall be summed to get monthly total emissions.



For emergency diesel-fired generators, emissions shall be calculated by multiplying the SO<sub>2</sub> and NO<sub>x</sub> emission factor from latest edition of the EPA's emission factors compilation AP-42 and hours of operation. Records documenting generator usage shall be kept in a log and they shall show the date the generator was used and the duration in hours of generator usage.

For emergency diesel-fired fire pumps, emissions shall be calculated by multiplying the SO<sub>2</sub> and NO<sub>x</sub> emission factor from latest edition of the EPA's emission factors compilation AP-42 and hours of operation. Records documenting generator usage shall be kept in a log and they shall show the date the pump was used, and the duration in hours of pump usage.

The PAL above shall be effective for ten years from the date of issuance of DAQE-AN0102380019-09 (August 6, 2009), in accordance with 40 CFR Subpart 52.21(aa).

If PacifiCorp applies for PAL renewal, the application in accordance with 40 CFR Subpart 52.21(aa)(10) shall be submitted before the end of the PAL effective date and the PAL established in this approval order will remain until a revised approval order is issued.

Once the PAL expires, the source is subject to the requirements of 40 CFR Subpart 52.21(aa)(9).

Monitoring for each PAL shall be in accordance with 40 CFR Subpart 52.21(aa)(12).

For the record keeping requirements of each PAL, PacifiCorp shall comply with 40 CFR Subpart 52.21(aa)(13).

For record submittal, PacifiCorp shall comply with 40 CFR Subpart 52.21(aa)(14). [R307-401]

II.B.1.g.2 To determine compliance with the applicable 12-month rolling NO<sub>x</sub> and SO<sub>2</sub> PALs, the owner/operator shall calculate a new 12-month total NO<sub>x</sub> and SO<sub>2</sub> emissions by the twentieth day of each month using data from the previous 12 months. Records of emissions shall be kept for all periods when the plant is in operation. [R307-150]

II.B.2 **Conditions on Boiler Unit #1**

II.B.2.a Prior to completion of the scrubber upgrade installation, emissions of SO<sub>2</sub> from Boiler Unit #1 shall be no greater than 1.2 lb SO<sub>2</sub>/MMBtu heat input for any 3-hour period. This shall be determined by the arithmetic average of three contiguous 1-hour periods except during periods of startup, shutdown, maintenance/planned outage, or malfunction.

Following completion of the scrubber upgrade installation, emissions of SO<sub>2</sub> from Boiler Unit #1 shall be no greater than 0.12 lb SO<sub>2</sub>/MMBtu heat input (595 lb/hr) on a 30-day rolling average except during periods of startup, shutdown, maintenance/planned outage or malfunction.

PacifiCorp shall install, calibrate, maintain, and operate a continuous monitoring system for measuring SO<sub>2</sub> emissions. PacifiCorp shall determine compliance by periodic monitoring using procedures in 40 CFR Part 60.45, Emission and fuel monitoring (subparagraphs (a), (e), and (f)) and 60.13(e). [R307-401]

II.B.2.b PacifiCorp shall install, calibrate, maintain, and operate a continuous monitoring system, and record the output of the system, for measuring SO<sub>2</sub> emissions. PacifiCorp shall determine compliance with the SO<sub>2</sub> reduction limit by periodic monitoring using procedures in 40 CFR Part 60.46a, Compliance provision (subparagraph (c), (d), (e), (g) and (h)), 60.47a, Emission monitoring (subparagraph (b), (d), (e), (f), (g), (h), (i) and (j)), and 60.48a, Compliance determination procedures and methods (subparagraph (c)). [40 CFR 60]

II.B.2.c Prior to completion of the scrubber upgrade installation emissions of particulate matter (PM) from Boiler Unit #1 shall not be greater than 0.10 lb/MMBtu heat input except during periods of startup, shutdown, maintenance/planned outage or malfunction.

Emissions of PM<sub>10</sub> from Boiler Unit #1 shall not be greater than 74 lb/hr following installation of the fabric filter baghouse except during periods of startup, shutdown, maintenance/planned outage or malfunction. [R307-401]

II.B.2.d Prior to completion of the scrubber upgrade installation emissions of NO<sub>x</sub> from Boiler Unit #1 shall be no greater than 0.70 lb/MMBtu heat input for any 3-hour period. This shall be determined by the arithmetic average of three contiguous 1-hour periods except during periods of startup, shutdown, maintenance/planned outage or malfunction.

Following installation of the Unit #1 low-NO<sub>x</sub> system, emissions of NO<sub>x</sub> from Boiler Unit #1 shall be no greater than 0.26 lb NO<sub>x</sub>/MMBtu heat input (1,290 lb/hr) on a 30-day rolling average except during periods of startup, shutdown, maintenance/planned outage, or malfunction.

PacifiCorp shall install, calibrate, maintain, and operate a continuous monitoring system for measuring NO<sub>x</sub> emissions. PacifiCorp shall determine compliance by periodic monitoring using procedures in 40 CFR Part 60.45, Emission and fuel monitoring (subparagraphs (a), (e), and (f)) and 60.13(e). [R307-401]

II.B.2.e Following installation of the Unit #1 low-NO<sub>x</sub> system emissions of CO shall be no greater than 0.34 lb CO/MMBtu (1,686 lb/hr) on a 30-day rolling average except during periods of startup, shutdown, maintenance/planned outage, or malfunction.

PacifiCorp shall install, calibrate, maintain, and operate a continuous monitoring system for measuring CO emissions. The monitoring system shall comply with all applicable sections of R307-170; 40 CFR 60.13; and 40 CFR 60, Appendix B. [R307-401]

II.B.2.f Visible emissions shall be no greater than 20 percent opacity (6-minute average) except for one 6-minute period per hour of not more than 27 percent opacity and except during periods of start up, shutdown, maintenance/planned outage, or malfunction.

PacifiCorp shall determine compliance with the visible emission limit by periodic monitoring using a continuous opacity monitoring (COM) system installed and operated in accordance with 40 CFR 60.45, Emission and fuel monitoring (subparagraphs (a) and (g)) and 60.13(e). [R307-401]

### II.B.3 **Conditions on Boiler Unit #2**

II.B.3.a Visible emissions from Boiler Unit #2 shall be no greater than 20 percent opacity (6-minute average) except for one 6-minute period per hour of not more than 27 percent opacity and

except during periods of start up, shutdown, maintenance/planned outage, or malfunction. PacifiCorp shall determine compliance with the visible emission limit by periodic monitoring using a COM system installed and operated in accordance with 40 CFR 60.45, Emission and fuel monitoring (subparagraphs (a) and (g)) and 60.13(e). [40 CFR 60]

- II.B.3.b Emissions of particulate matter (PM) from Boiler Unit #2 shall not be greater than 70 lb/hr, except during periods of startup, shutdown, maintenance/planned outage or malfunction. [R307-401]
- II.B.3.b.1 Stack testing to show compliance with the PM emission limitations shall be performed as specified below:
- (1). Testing and Frequency. Emissions shall be tested each year. The source may also be tested at any time if directed by the Executive Secretary.
  - (2). Notification. The permittee shall provide a notification of the test date at least 30 days before the test. A pretest conference shall be held, if directed by the Executive Secretary, between the permittee, the tester, and the Executive Secretary.
  - (3). Compliance determination procedures and stack test methods shall be performed according to 40 CFR 60 Subpart D, 60.46. [R307-150]
- II.B.3.c Emissions of SO<sub>2</sub> from Boiler Unit #2 shall be no greater than 0.12 lb SO<sub>2</sub>/MMBtu heat input for any 24-hour block average except during periods of startup, shutdown, maintenance/planned outage, or malfunction. [R307-401]
- II.B.3.d Emissions of NO<sub>x</sub> from Boiler Unit #2 shall be no greater than 0.26 lb/MMBtu heat input on a 30-day rolling average except during periods of startup, shutdown, maintenance/planned outage or malfunction. [R307-401]
- II.B.3.e Visible emissions from the following Unit #2 emission points shall not exceed 10% opacity:
- (1) Fly Ash Silo Bin Vent (baghouse),
  - (2) Waste Lime Day Bin Vent (two baghouses),
  - (3) Lime Silo Vent (baghouse),
  - (4) Lime Day Bin Vents (two baghouses).

Opacity observations of emissions from stationary sources shall be conducted according to 40 CFR 60, Appendix A, Method 22-like procedures.

A visual observation of the site shall be made at least once a day on item #1 at least once every week on items #2, 3 and 4.

A log of the visual inspections shall be maintained including the date and time of each inspection and the name of the person making the inspection. Any observed exceedance of the opacity limitation shall be reported as a deviation. [R307-401]

### **Section III: APPLICABLE FEDERAL REQUIREMENTS**

In addition to the requirements of this AO, all applicable provisions of the following federal programs have been found to apply to this installation. This AO in no way releases the owner or operator from any liability for compliance with all other applicable federal, state, and local regulations including UAC R307.

NSPS (Part 60), A: General Provisions  
Title IV (Part 72 / Acid Rain), (No subparts)  
NSPS (Part 60), D: Fossil Fuel Boiler After 8/17/71  
NSPS (Part 60), Y: Coal Preparation Plants

### **PERMIT HISTORY**

This AO is based on the following documents:

Supersedes	DAQE-AN0102380020-10 dated January 4, 2010
Supersedes	DAQE-AN0102380019-09 dated August 6, 2009
Is Derived From	Source submitted NOI addendum dated May 1, 2009
Is Derived From	Source submitted NOI addendum dated January 20, 2009
Is Derived From	Source submitted NOI addendum dated January 6, 2009
Is Derived From	Source submitted NOI dated April 15, 2008
Supersedes	DAQE-AN0238014-06 dated August 18, 2006

## ACRONYMS

The following lists commonly used acronyms and associated translations as they apply to this document:

40 CFR	Title 40 of the Code of Federal Regulations
AO	Approval Order
BACT	Best Available Control Technology
CAA	Clean Air Act
CAAA	Clean Air Act Amendments
CDS	Classification Data System (used by EPA to classify sources by size/type)
CEM	Continuous emissions monitor
CEMS	Continuous emissions monitoring system
CFR	Code of Federal Regulations
CO	Carbon monoxide
COM	Continuous opacity monitor
DAQ	Division of Air Quality (typically interchangeable with UDAQ)
DAQE	This is a document tracking code for internal UDAQ use
EPA	Environmental Protection Agency
HAP or HAPs	Hazardous air pollutant(s)
ITA	Intent to Approve
LB/HR	Pounds per hour
MACT	Maximum Achievable Control Technology
MMBTU	Million British Thermal Units
NAA	Nonattainment Area
NAAQS	National Ambient Air Quality Standards
NESHAP	National Emission Standards for Hazardous Air Pollutants
NOI	Notice of Intent
NO <sub>x</sub>	Oxides of nitrogen
NSPS	New Source Performance Standard
NSR	New Source Review
PM <sub>10</sub>	Particulate matter less than 10 microns in size
PM <sub>2.5</sub>	Particulate matter less than 2.5 microns in size
PSD	Prevention of Significant Deterioration
PTE	Potential to Emit
R307	Rules Series 307
R307-401	Rules Series 307 - Section 401
SO <sub>2</sub>	Sulfur dioxide
Title IV	Title IV of the Clean Air Act
Title V	Title V of the Clean Air Act
TPY	Tons per year
UAC	Utah Administrative Code
UDAQ	Utah Division of Air Quality (typically interchangeable with DAQ)
VOC	Volatile organic compounds