



State of Utah

GARY R. HERBERT  
*Governor*

GREG BELL  
*Lieutenant Governor*

Department of  
Environmental Quality

Amanda Smith  
*Executive Director*

DIVISION OF AIR QUALITY  
Bryce C. Bird  
*Director*

DAQE-IN102380022-12

December 11, 2012

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

Dear Mr. Doak:

Re: Intent to Approve: Approval Order for New Gypsum Load-Out Conveyor for Unit 1 and Unit 2  
Project Number: N10238-0022

The attached document is the Intent to Approve for the above-referenced project. The Intent to Approve is subject to public review. Any comments received shall be considered before an Approval Order is issued. The Division of Air Quality is authorized to charge a fee for reimbursement of the actual costs incurred in the issuance of an Approval Order. An invoice will follow upon issuance of the final Approval Order.

Future correspondence on this Intent to Approve 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 Jon Black, who may be reached at (801) 536-4047.

Sincerely,

Martin D. Gray, Manager  
New Source Review Section

MDG:JB:kw

cc: Mike Owens  
Southeastern Utah District Health Department

**STATE OF UTAH**

**Department of Environmental Quality**

**Division of Air Quality**

**INTENT TO APPROVE: Approval Order for New Gypsum  
Load-Out Conveyor for Unit 1 and Unit 2**

**Prepared by: Jon Black, Engineer  
Phone: (801) 536-4047  
Email: jlblack@utah.gov**

**INTENT TO APPROVE NUMBER**

**DAQE-IN102380022-12**

**Date: December 11, 2012**

**PacifiCorp Energy  
Huntington Power Plant**

**Source Contact:  
Darrell Cunningham  
Phone: (435) 687-4211  
Email: bill.lawson@pacificorp.com**

**Martin D. Gray, Manager  
New Source Review Section**

## ABSTRACT

PacifiCorp Energy submitted a NOI requesting a modification to AO DAQE-AN0102380021-10 for the addition of a new gypsum load-out conveyor. The load-out conveyor will serve the Unit 1 scrubber upgrade and Unit 2 scrubber installation previously permitted in AO's DAQE-AN0102380019-09 and DAQE-AN0238012-05. The Huntington plant is a major source of air emissions, including particulate matter.

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 Administratively Amended to incorporate the conditions of this Enhanced AO. The Huntington plant is located in Emery County, which is an attainment area for all pollutants. It is a major source of air emissions. The only affected pollutant impacted by the proposed gypsum load-out is particulate matter (PM<sub>10</sub>). The change in PM<sub>10</sub> and PM<sub>2.5</sub> emissions, in TPY, will change as follows: PM<sub>10</sub> + 0.21 and PM<sub>2.5</sub> = 0.03.

The change in PM<sub>10</sub> emission will result in the following, in TPY, totals for the Huntington plant: PM<sub>10</sub> = 893.81, PM<sub>2.5</sub> = 387.13, NO<sub>x</sub> = 11,298.60, SO<sub>2</sub> = 5,214.00, CO = 7,853.50, VOC = 74.50, Total HAPs = 207.40, and CO<sub>2e</sub> = 8,995,956.90.

Established PALs for the plant include the PSD significance level of 40 TPY, 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 total.

The NOI for the above-referenced project has been evaluated and has been found to be consistent with the requirements of UAC R307. Air pollution producing sources and/or their air control facilities may not be constructed, installed, established, or modified prior to the issuance of an AO by the Director.

A 30-day public comment period will be held in accordance with UAC R307-401-7. A notification of the intent to approve will be published in the Sun Advocate on December 18, 2012. During the public comment period the proposal and the evaluation of its impact on air quality will be available for the public to review and provide comment. If anyone so requests a public hearing within 15 days of publication, it will be held in accordance with UAC R307-401-7. The hearing will be held as close as practicable to the location of the source. Any comments received during the public comment period and the hearing will be evaluated. The proposed conditions of the AO may be changed as a result of the comments received.

**Name of Permittee:**

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

**Permitted Location:**

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

**UTM coordinates:** 493130 m Easting, 4358840 m Northing, UTM Zone 12

**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 Director or Director'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. [R307-401-8]
- 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 Approval Order 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 Director 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 UAC R307-107. General Requirements: Breakdowns. [R307-107]
- I.7 The owner/operator shall comply with UAC R307-150 Series. Inventories, Testing and Monitoring. [R307-150]

**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**  
Two 10,000 gallon tanks (each) that store lubricating oil including vents and associated equipment; 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 Equipment**  
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 **Load-out Conveyor**  
Gypsum load-out conveyor  
Source ID: Emission Unit #48
- II.A.43 **Research farm water pump**  
27.5 HP diesel-driven water pump.

**II.B Requirements and Limitations**

- II.B.1.a PacifiCorp Energy (PacifiCorp) shall notify the Director in writing when the installation of the gypsum load-out conveyor listed in II.A.42 has been completed and is operational. To insure proper credit when notifying the Director, send your correspondence to the Director, attn: Compliance Section.  
  
If installation has not been completed within 18 months from the date of this AO, the Director shall be notified in writing on the status of the installation. At that time, the Director 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 gypsum load-out conveyors shall be covered. The gypsum material shall be transported along the conveyors until stack-out occurs onto a concrete pad at the conveyor discharge location. The concrete pad shall consist of a fabric enclosure vented only through the open side used for the loading process. [R307-401-8]

II.B.1.d.1 Visible emissions shall be no greater than 10% opacity at the conveyor drop point for the gypsum load-out system.

A visible emissions observation of the conveyor drop point shall be made in accordance with 40 CFR 60, Appendix A, Method 9, at least once each month. A log of the visual observations shall be maintained, including the date and time of each observation and the name of the person making the observation. The records required by this provision and all data required by 40 CFR 60, Appendix A, Method 9 shall be maintained in accordance with Condition I.4 of this AO. [R307-401-8]

II.B.1.e PacifiCorp shall abide by the latest fugitive dust control plan approved by the Director 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.f PacifiCorp shall abide by all applicable requirements of R307-206 for Abrasive Blasting Emission Standards. [R307-206]

II.B.1.g 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.h 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.h.1 The SO<sub>2</sub> and NO<sub>x</sub> PALs shall be monitored in accordance with 40 CFR Part 52.21(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.h.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 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 Emissions of PM<sub>10</sub> from Boiler Unit #1 shall not be greater than 74 lb/hr except during periods of startup, shutdown, maintenance/planned outage or malfunction. [R307-401]

II.B.2.c.1 Stack testing to show compliance with the PM<sub>10</sub> emission limitation 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 Director.
- (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 Director, between the permittee, the tester, and the Director.

- (3). Compliance determination procedures and stack test methods shall be performed according to 40 CFR 60 Subpart D, 60.46.

[R307-150]

- II.B.2.d 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 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 limitation 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 Director.
- (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 Director, between the permittee, the tester, and the Director.
- (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  
NSPS (Part 60), D: Standards of Performance for Fossil-Fuel-Fired Steam Generators for Which Construction Is Commenced After August 17, 1971  
NSPS (Part 60), Y: Standards of Performance for Coal Preparation and Processing Plants  
Title IV (Part 72 / Acid Rain)  
Title V (Part 70) major source

### **PERMIT HISTORY**

The final AO will be based on the following documents:

Incorporates	Additional NOI Information dated November 8, 2012
Is Derived From	NOI dated August 9, 2012
Replaces	AO DAQE-AN0102380021-10 dated January 19, 2010

### **ADMINISTRATIVE CODING**

The following information is for UDAQ internal classification use only:

Emery County  
CDS A  
PSD, NSPS (Part 60), Title V (Part 70), Title V (Part 70) major source, Title IV (Part 72 / Acid Rain),

**ACRONYMS**

The following lists commonly used acronyms 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
CMS	Continuous monitoring system
CO	Carbon monoxide
CO <sub>2</sub>	Carbon Dioxide
CO <sub>2</sub> e	Carbon Dioxide Equivalent - 40 CFR Part 98, Subpart A, Table A-1
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
FDCP	Fugitive Dust Control Plan
GHG	Greenhouse Gas(es) - 40 CFR 52.21 (b)(49)(i)
GWP	Global Warming Potential - 40 CFR Part 86.1818-12(a)
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