



State of Utah

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*Lieutenant Governor*

Department of  
Environmental Quality

Kimberly D. Shelley  
*Executive Director*

DIVISION OF AIR QUALITY  
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*Director*

DAQE-IN161650001-23

September 7, 2023

Kevin Butters  
Bedrock Sand & Gravel LLC  
760 North Harrisville Road  
Harrisville, UT 84404  
kevinbbutters@gmail.com

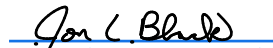
Dear Mr. Butters:

Re: Intent to Approve: New Portable Source (Aggregate, Hot Mix Asphalt, Concrete, and Stationary Diesel-Fired Engines)  
Project Number: N161650001

The attached document is the Intent to Approve (ITA) for the above-referenced project. The Intent to Approve is subject to public review. Any comments received shall be considered before an Approval Order (AO) 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 AO. An invoice will follow upon issuance of the final AO.

Future correspondence on this Intent to Approve should include the engineer's name, **Dungan Adams**, as well as the DAQE number as shown on the upper right-hand corner of this letter. Dungan Adams, can be reached at (385) 290-2474 or [dunganadams@utah.gov](mailto:dunganadams@utah.gov), if you have any questions.

Sincerely,

  
[Jon Black](#) (Sep 6, 2023 14:50 MDT)

Jon L. Black, Manager  
New Source Review Section

JLB:DA:jg

cc: Salt Lake County Health Department

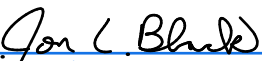
**STATE OF UTAH**  
**Department of Environmental Quality**  
**Division of Air Quality**

**INTENT TO APPROVE**  
**DAQE-IN161650001-23**  
**New Portable Source (Aggregate, Hot Mix Asphalt, Concrete, and**  
**Stationary Diesel-Fired Engines)**

**Prepared By**  
**Dungan Adams, Engineer**  
**(385) 290-2474**  
**dunganadams@utah.gov**

**Issued to**  
**Bedrock Sand & Gravel LLC - Portable Aggregate Equipment**

**Issued On**  
**September 7, 2023**

  
Jon Black (Sep 6, 2023 14:50 MDT)

**New Source Review Section Manager**  
**Jon L. Black**

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## GENERAL INFORMATION

### CONTACT/LOCATION INFORMATION

**Owner Name**

Bedrock Sand & Gravel LLC

**Source Name**

Bedrock Sand & Gravel LLC - Portable  
Aggregate Equipment

**Mailing Address**

760 North Harrisville Road  
Harrisville, UT 84404

**Physical Address**

Not permanently based at a site  
Portable Source, UT

**Source Contact**

Name Kevin Butters

Phone (801) 940-6100

Email kevinbbutters@gmail.com

**SIC code** 1442 (Construction Sand & Gravel)

### SOURCE INFORMATION

**General Description**

Bedrock Sand & Gravel LLC has requested an Approval Order for a portable source. This AO is issued to Bedrock Sand & Gravel LLC for the purpose of operating a portable source that belongs to the nonmetallic mineral processing industry, including aggregate, concrete, and hot mix asphalt plants. The plants subject to this AO shall be temporarily operated for a period of not more than 180 working days at any location. A relocation shall not exceed 365 consecutive days at any location in the State of Utah.

Prior to commencement of operation at a location, the owner/operator shall submit a Notice of Temporary Relocation to the Director and obtain a Temporary Relocation Approval Letter. If the owner/operator operates at a location in compliance with the AO, the Notice of Temporary Relocation, and the Temporary Relocation Approval Letter, dispersion modeling results have determined that there will be no adverse impacts on air quality at the nearest residence or commercial establishment.

Compliance with the opacity limits and operating practices contained in the conditions of the AO shall be considered as application of BACT. The emission control measures required in the conditions of this AO shall apply to all of the locations at which the source approved by this AO operates. The source may be required to adopt additional measures for controlling emissions to address location-specific concerns.

This AO limits the source to emissions that are below the major source threshold, making it a "Synthetic Minor" source.

**NSR Classification**

New Minor Source

**Source Classification**

Airs Source Size: SM

Applicable Federal Standards

- NSPS (Part 60), A: General Provisions
- NSPS (Part 60), I: Standards of Performance for Hot Mix Asphalt Facilities
- NSPS (Part 60), OOO: Standards of Performance for Nonmetallic Mineral Processing Plants
- NSPS (Part 60), IIII: Standards of Performance for Stationary Compression Ignition Internal Combustion Engines
- MACT (Part 63), A: General Provisions
- MACT (Part 63), ZZZZ: National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines
- Title V (Part 70) Area Source

Project Description

The owner/operator has requested an AO for a portable source. The portable source belongs to the nonmetallic mineral processing industry, including aggregate processing plants, concrete batch plants, hot mix asphalt plants, and stationary diesel-fired engines.

**PUBLIC NOTICE STATEMENT**

The Notice of Intent for the above-referenced project has been evaluated and has been found to be consistent with the requirements of Utah Administrative Code 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 Utah Administrative Code R307-401-7. A notification of the intent to approve will be published in the Salt Lake Tribune and Deseret News on September 10, 2023. 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 Utah Administrative Code 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.

**SECTION I: GENERAL PROVISIONS**

The intent is to issue an air quality Approval Order authorizing the project with the following recommended conditions and that failure to comply with any of the conditions may constitute a violation of the AO.

I.1	All definitions, terms, abbreviations, and references used in this AO conform to those used in the Utah Administrative Code 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 two (2) 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 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 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 Utah Administrative Code R307-107. General Requirements: Breakdowns. [R307-107]
I.7	The owner/operator shall comply with Utah Administrative Code R307-150 Series. Emission Inventories. [R307-150]

## SECTION II: PERMITTED EQUIPMENT

The intent is to issue an air quality Approval Order authorizing the project with the following recommended conditions and that failure to comply with any of the conditions may constitute a violation of the AO.

### **II.A      THE APPROVED EQUIPMENT**

II.A.1	<b>Portable Source</b> Including: Aggregate Processing Equipment, Concrete Batching Equipment, Hot Mix Asphalt Equipment, and Diesel-Fired Engines
II.A.2	<b>Aggregate Processing Plants</b> These plants may be subject to New Source Performance Standard Subpart OOO Requirements These plants include:  <div style="margin-left: 40px;"> <p>A.      Crushers</p> <p>B.      Screens</p> <p>C.      Wash Plants</p> <p>D.      Conveyors, Feeders, Hoppers, and Stackers.</p> </div>

<p>II.A.3</p>	<p><b>Concrete Batch Plants</b>                  These plants include:</p> <ul style="list-style-type: none"> <li>A. Central-Mix Concrete Batch Plants</li> <li>B. Truck-Mix Concrete Batch Plants</li> <li>C. Baghouses, Bin Vents, Dust Collectors and Fabric Filters</li> <li>D. Storage Silos - Contents include:                         <ul style="list-style-type: none"> <li>i. Cement</li> <li>ii. Fly Ash</li> <li>iii. Lime</li> <li>iv. Concrete Additives</li> </ul> </li> <li>E. Boilers &amp; Water Heaters                         <ul style="list-style-type: none"> <li>i. Fuel: Natural Gas/Propane</li> <li>ii. Rating: less than 10 MMBtu/hr each</li> </ul> </li> <li>F. Conveyors, Feeders, Hoppers, Pugmills, and Stackers.</li> </ul>
<p>II.A.4</p>	<p><b>Hot Mix Asphalt Plants</b>                  These plants may be subject to New Source Performance Standard Subpart I Requirements                  These plants include:</p> <ul style="list-style-type: none"> <li>A. Drum-Mix Hot Mix Asphalt Plants</li> <li>B. Baghouses, Bin Vents, Dust Collectors and Fabric Filters</li> <li>C. Storage Silos - Contents include:                         <ul style="list-style-type: none"> <li>i. Lime</li> <li>ii. Hot Mix Asphalt</li> <li>iii. RAP</li> <li>iv. Hot Mix Asphalt Additives</li> </ul> </li> <li>D. Conveyors, Feeders, Hoppers, Mixers, Pugmills, and Stackers.</li> </ul>
<p>II.A.5</p>	<p><b>Stationary Diesel-Fired Engines</b>                  These stationary engines produce mechanical or electrical power to operate the plants in this AO.                   These stationary engines are subject to Maximum Achievable Control Technology Subpart ZZZZ Requirements.                   These stationary engines may be subject to New Source Performance Standard Subpart III Requirements.</p>

II.A.6	<p><b>Storage Tanks</b> Contents include:</p> <ul style="list-style-type: none"> <li>A. Asphalt Cement</li> <li>B. Diesel Fuel</li> <li>C. On-Specification Used Oil</li> <li>D. Gasoline</li> <li>E. Propane.</li> </ul>
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## SECTION II: SPECIAL PROVISIONS

The intent is to issue an air quality Approval Order authorizing the project with the following recommended conditions and that failure to comply with any of the conditions may constitute a violation of the AO.

### **II.B REQUIREMENTS AND LIMITATIONS**

II.B.1	<b>Notice of Temporary Relocation:</b>
II.B.1.a	The owner/operator shall submit a Notice of Temporary Relocation and obtain a Temporary Relocation Approval Letter prior to operating a portable source at any location. [R307-401-8]
II.B.1.a.1	<p>Notices of Temporary Relocation shall include the following information (Form 15a is available from the DAQ):</p> <ul style="list-style-type: none"> <li>A. The address and driving directions of the proposed location</li> <li>B. A list of the equipment to be operated at the proposed location, including: <ul style="list-style-type: none"> <li>1. The type of equipment</li> <li>2. The rated capacity of the equipment</li> <li>3. The date of manufacture of the equipment</li> </ul> </li> <li>C. A site diagram showing the general equipment location on site (to scale), and the distance to the nearest houses, barns or commercial operations (to scale if the plant boundary is located within one mile of these buildings)</li> <li>D. The expected startup and completion dates for operating at the proposed location</li> <li>E. The expected hours of operation, including start and stop times</li> <li>F. The emission control measures that the owner/operator proposes to adopt for each emission point at each location; including a Fugitive dust control plan specific to the proposed location</li> <li>G. A reference to this AO.</li> </ul> <p>[R307-401-8]</p>

II.B.2	<b>Temporary Relocation Approval Letter:</b>
II.B.2.a	The owner/operator shall operate and conduct its operations of the aggregate processing plants, the concrete batch plants, the hot mix asphalt plants, and the diesel-fired engines in accordance with the terms and conditions of this AO and the terms and conditions of the Temporary Relocation Approval Letter issued by the Director for each relocation. In the case of any discrepancy between the conditions of this AO and the Temporary Relocation Approval Letter, the owner/operator shall comply with the site-specific requirements in the Temporary Relocation Approval Letter. [R307-401-8]
II.B.2.a.1	Portable sources that plan to relocate to a stationary source listed in the Utah Particulate matter less than 10 microns in size or Particulate matter less than 2.5 microns in size State Implementation Plan (SIP) shall comply with the standards and adopt the control strategies listed in the Particulate matter less than 10 microns in size or Particulate matter less than 2.5 microns in size SIP for the stationary source in addition to the requirements of this AO and the Temporary Relocation Approval Letter. [R307-401-8]
II.B.3	<b>Operations at Temporary Locations:</b>
II.B.3.a	The owner/operator may temporarily relocate this portable source to any temporary location. The temporary relocation shall not exceed 180 working days and shall not exceed 365 consecutive days. If a temporary relocation is expected to exceed 180 working days, the owner/operator shall submit an Notice of Intent in accordance with R307-401 for a permanent source and obtain a valid AO prior to the end of the 180 working days. [R307-401-17]
II.B.3.a.1	<p>The owner/operator shall keep and maintain the following records on site:</p> <ul style="list-style-type: none"> <li>A. The initial relocation date at each location</li> <li>B. Working days at each location</li> <li>C. Consecutive days at each location.</li> </ul> <p>[R307-401-17]</p>
II.B.3.a.2	The owner/operator shall submit records of the working days at each site and the consecutive days at each site to the Director at the end of each 180 calendar days. [R307-401-17]
II.B.3.b	The owner/operator shall not exceed the daily production limit specified in the Temporary Relocation Approval Letter. [R307-401-8]
II.B.3.b.1	The daily production shall be determined by belt scale records, scale house records, vendor receipts or by any other method as acceptable to the Director or the Director's representative. [R307-401-8]
II.B.3.b.2	<p>The owner/operator shall keep and maintain the following production records on site for all periods that the portable source is in operation at any location:</p> <ul style="list-style-type: none"> <li>A. The date production occurs at each location</li> <li>B. The production for that date at each location</li> <li>C. The total production at each location.</li> </ul> <p>[R307-401-8]</p>
II.B.3.b.3	The owner/operator shall submit records of the actual production rate to the Director at the end of each 180 calendar days. [R307-401-17]

II.B.3.c	The owner/operator shall only operate between 6:00 AM and 10:00 PM each day. The hours of operation may be altered upon approval of the Director; however, any request for a change in these hours shall include modeling showing that all National Ambient Air Quality Standards are met. [R307-401-8]
II.B.3.c.1	<p>The owner/operator shall keep and maintain the following records of operation for all periods that the portable source is in operation at any location:</p> <ul style="list-style-type: none"> <li>A. The time operations began each day at each location</li> <li>B. The time operations ended each day at each location.</li> </ul> <p>[R307-401-8]</p>
II.B.3.d	Unless otherwise specified in this AO, the owner/operator shall not allow visible emissions from any installation of this AO to exceed 20 percent opacity. [R307-201-3, R307-305-3]
II.B.3.d.1	Unless otherwise specified in this AO, opacity observations of emissions from stationary sources shall be conducted according to Title 40 of the Code of Federal Regulations 60, Appendix A, Method 9. [R307-201-3, R307-305-3]
II.B.4	<b>Emission Estimates and Emissions Inventory:</b>
II.B.4.a	The owner/operator shall estimate the actual emissions that resulted from operating at each location. These emissions shall be summarized for each piece of equipment, each source of fugitive dust, and each source of fugitive emissions at the completion of operation at each location. The Director may require a summary of emissions for each location at any time. [R307-401-8, R307-150-1]
II.B.4.a.1	<p>Records of actual emissions shall be kept for each location. Records of actual emissions shall include the following:</p> <ul style="list-style-type: none"> <li>A. The emission factors used to estimate emissions for each location</li> <li>B. All variables (production, hours of operation, haul road lengths, etc.) used in the emission estimates for each location</li> <li>C. The actual emissions from each location, which includes emissions from each emission unit, each source of fugitive dust, and each source of fugitive emissions.</li> </ul> <p>[R307-401-8, R307-150-1]</p>
II.B.5	<b>Haul Roads and Fugitive Dust Sources:</b>
II.B.5.a	The owner/operator shall comply with a Fugitive dust control plan consistent with R307-309-6 for each location. The Fugitive dust control plan for a location shall address the control of all fugitive dust sources at that location. [R307-401-8]
II.B.5.b	The owner/operator shall not allow visible emissions from haul roads and fugitive dust sources to exceed 20 percent opacity on site and 10 percent at the property boundary for each temporary location. [R307-205-4, R307-309-5, R307-401-8]
II.B.5.b.1	Visible emission determinations for fugitive dust from haul roads and operational areas shall use procedures similar to Method 9. The normal requirement for observations to be made at 15-second intervals over a six-minute period, however, shall not apply. Visible emissions shall be measured at the densest point of the plume but at a point not less than one-half vehicle length behind the vehicle and not less than one-half the height of the vehicle. [R307-205-4, R307-309-5, R307-401-8]

II.B.5.c	The owner/operator shall use water application or other control options contained in R307-309 to minimize emissions from fugitive dust and fugitive emissions sources, including haul roads, storage piles, and disturbed areas. Controls shall be applied to ensure the opacity limits in this AO are not exceeded. [R307-309, R307-401-8]
II.B.6	<b>Aggregate Processing Plants:</b>
II.B.6.a	The owner/operator shall not allow visible emissions from any crusher subject to this AO to exceed 12 percent opacity. [40 Code of Federal Regulations 60 Subpart OOO, R307-401-8]
II.B.6.b	The owner/operator shall not allow visible emissions from any screen subject to this AO to exceed 7 percent opacity. [40 Code of Federal Regulations 60 Subpart OOO, R307-401-8]
II.B.6.c	The owner/operator shall not allow visible emissions from any conveyor transfer point subject to this AO to exceed 7 percent opacity. [40 Code of Federal Regulations 60 Subpart OOO, R307-401-8]
II.B.6.d	The owner/operator shall not allow visible emissions from any conveyor drop point at each temporary location to exceed 20 percent opacity. [R307-205-4, R307-309-5, R307-401-8]
II.B.6.e	The owner/operator shall install water sprays on all crushers, all screens, all conveyor transfer points, and all conveyor drop points at each location to control emissions. Sprays shall operate as required to ensure the opacity limits in this AO are not exceeded. [R307-401-8]
II.B.6.f	The owner/operator shall perform monthly periodic inspections to check that water is flowing to discharge spray nozzles associated with each crusher, screen, and conveyor. If the owner/operator finds that water is not flowing properly during an inspection of the water spray nozzles, the owner/operator shall initiate corrective action within 24 hours and complete corrective action as expeditiously as practical. [40 Code of Federal Regulations 60 Subpart OOO, R307-401-8]
II.B.6.f.1	Records of the water sprays inspections shall be kept and maintained in a logbook for all periods when the plant is in operation. The records shall include the following items:  <ul style="list-style-type: none"> <li>A. Date the inspections were made</li> <li>B. Any corrective actions taken</li> <li>C. Control mechanism used if sprays are not operating.</li> </ul> [40 Code of Federal Regulations 60 Subpart OOO, R307-401-8]
II.B.7	<b>Crushers, Screens, and Conveyors subject to New Source Performance Standard Subpart OOO:</b>
II.B.7.a	The owner/operator shall conduct an initial performance test for all crushers, screens, and conveyor transfer points subject to this AO that are subject to New Source Performance Standard OOO. Performance tests shall meet the limitations specified in Table 3 to Subpart OOO. [40 Code of Federal Regulations 60 Subpart OOO]
II.B.7.a.1	Initial performance tests for fugitive emissions limits shall be conducted according to Title 40 of the Code of Federal Regulations 60.675(c). The owner or operator may use methods and procedures specified in Title 40 of the Code of Federal Regulations 60.675(e) as alternatives to the reference methods and procedures specified in Title 40 of the Code of Federal Regulations 60.675(c). [40 Code of Federal Regulations 60 Subpart OOO]

II.B.7.a.2	The owner/operator shall keep and maintain records of the initial performance test for each crusher, screen, and conveyor for the life of the equipment. The record of the initial performance test must be made available to the Director or the Director's representative upon request. [40 Code of Federal Regulations 60 Subpart OOO, R307-401-8]
II.B.8	<b>Concrete Batch Plants:</b>
II.B.8.a	The owner/operator shall not allow visible emissions from any concrete batch plant and the associated equipment subject to this AO to exceed 7 percent opacity. [R307-401-8]
II.B.8.b	Each storage silo associated with a concrete batch plant subject to this AO shall be equipped with a fabric filter, a baghouse, a bin vent, or a dust collector to control particulate emissions generated during filling of the silos. [R307-401-8]
II.B.9	<b>Hot Mix Asphalt Plants:</b>
II.B.9.a	The owner/operator shall use natural gas, propane, fuel oil, on-specification used oil as defined in R315-15, or any combination thereof as fuel in the hot mix asphalt plants subject to this AO. [R307-401-8]
II.B.9.b	The sulfur content of any fuel oil burned in the hot mix asphalt plants subject to this AO shall not exceed 15 ppm by weight. [R307-401-8]
II.B.9.b.1	The sulfur content shall be determined by ASTM Method D2880-71, D4294-89, or approved equivalent. Certification of fuel oil shall be either by the owner/operator's own testing or by test reports from the fuel oil marketer. [R307-203-1, R307-401-8]
II.B.9.b.2	The owner/operator shall keep and maintain records of the test certification of sulfur content in fuel oil. Records of the test certifications shall be kept for all periods when the plant is in operation. [R307-203-1, R307-401-8]
II.B.9.c	The owner/operator shall control particulate emissions from each hot mix asphalt plant dryer subject to this AO with a baghouse. [R307-401-8]
II.B.9.d	The owner/operator shall install a manometer or magnehelic pressure gauge to measure the static pressure drop across each baghouse. [R307-401-8]
II.B.9.d.1	The pressure gauge shall be located such that an inspector/operator can safely read the indicator at any time. [R307-401-8]
II.B.9.d.2	The pressure gauge shall measure the pressure drop in 1-inch water column increments or less. [R307-401-8]
II.B.9.e	During operation of the baghouse, the owner/operator shall maintain the static pressure drop across the baghouse between 3.0 and 7.0 inches of water column. [R307-401-8]
II.B.9.f	The owner/operator shall record the pressure drop at least once per operating day while the baghouse is operating. [R307-401-8]
II.B.9.g	The owner/operator shall maintain the following records of the pressure drop readings:  <ul style="list-style-type: none"> <li>A. Unit identification;</li> <li>B. Date of reading;</li> <li>C. Daily static pressure drop readings.</li> </ul> [R307-401-8]

II.B.9.g.1	At least once every 12 months, the owner/operator shall calibrate the pressure gauges in accordance with the manufacturer's instructions or replace the gauges. [R307-401-8]
II.B.9.g.2	Each storage silo associated with a hot mix asphalt plant subject to this AO shall be equipped with a fabric filter, a baghouse, a bin vent, or a dust collector to control particulate emissions generated during filling of the silos. [R307-401-8]
II.B.9.h	The owner/operator shall not allow visible emissions from any baghouse, bin vent, dust collector or fabric filter associated with a hot mix asphalt plant subject to this AO to exceed 10 percent opacity. [R307-401-8]
II.B.10	<b>Stack Testing Emissions Limits.</b>
II.B.10.a	The owner/operator shall not emit more than the following rates and concentrations from each asphalt drum mixer:  Pollutant grains/dscf PM 0.030 Filterable Particulate matter less than 10 microns in size 0.024 Filterable Particulate matter less than 2.5 microns in size 0.024  [R307-401-8]
II.B.10.a.1	<b>Compliance Demonstration</b> To demonstrate compliance with the emission limitations above, the owner/operator shall perform stack testing on the emissions unit according to the stack testing conditions contained in this AO.  The owner/operator shall test for condensable PM; however, the condensable particulate emissions shall not be used for compliance demonstration, but shall be used for inventory purposes. [R307-165-2, R307-401-8]
II.B.10.a.2	<b>Initial Test</b> The owner/operator shall conduct an initial stack test on the emission unit within 180 days after startup of the emission unit. [R307-165-2]
II.B.10.a.3	<b>Test Frequency</b> The owner/operator shall conduct a stack test on the emission unit every third calendar year after the date of the most recent stack test, not exceeding 42 months between tests. The Director may require the owner/operator to perform a stack test at any time. [R307-165-2, R307-401-8]
II.B.11	<b>Stack Testing Requirements</b>
II.B.11.a	<b>The owner/operator shall conduct any stack testing required by this AO according to the following conditions.</b> [R307-401-8]
II.B.11.a.1	<b>Notification</b> At least 30 days prior to conducting a stack test, the owner/operator shall submit a source test protocol to the Director. The source test protocol shall include the items contained in R307-165-3. If directed by the Director, the owner/operator shall attend a pretest conference. [R307-165-3, R307-401-8]
II.B.11.a.2	<b>Testing &amp; Test Conditions</b> The owner/operator shall conduct testing according to the approved source test protocol and according to the test conditions contained in R307-165-4. [R307-165-4, R307-401-8]

II.B.11.a.3	<p><b>Access</b> The owner/operator shall provide Occupational Safety and Health Administration (OSHA)- or Mine Safety and Health Administration (MSHA)-approved access to the test location. [R307-401-8]</p>
II.B.11.a.4	<p><b>Reporting</b> No later than 60 days after completing a stack test, the owner/operator shall submit a written report of the results from the stack testing to the Director. The report shall include validated results and supporting information. [R307-165-5, R307-401-8]</p>
II.B.11.a.5	<p><b>Possible Rejection of Test Results</b> The Director may reject stack testing results if the test did not follow the approved source test protocol or for a reason specified in R307-165-6. [R307-165-6, R307-401-8]</p>
II.B.11.a.6	<p><b>Test Methods</b> When performing stack testing, the owner/operator shall use the appropriate EPA-approved test methods as acceptable to the Director. Acceptable test methods for pollutants are listed below. [R307-401-8]</p>
II.B.11.b	<p><b>Standard Conditions</b></p> <ul style="list-style-type: none"> <li>A. Temperature - 68 degrees Fahrenheit (293 K)</li> <li>B. Pressure - 29.92 in Hg (101.3 kPa)</li> <li>C. Averaging Time - As specified in the applicable test method.</li> </ul> <p>[40 Code of Federal Regulations 60 Subpart A, Title 40 of the Code of Federal Regulations 63 Subpart A, R307-401-8]</p>
II.B.11.b.1	<p><b>PM</b> 40 Code of Federal Regulations 60, Appendix A, Method 5 or other EPA-approved testing method as acceptable to the Director. [R307-401-8]</p>
II.B.11.b.2	<p><b>Filterable Particulate matter less than 10 microns in size</b> 40 Code of Federal Regulations 60, Appendix A, Method 5; Title 40 of the Code of Federal Regulations 51, Appendix M, Method 201; Method 201A; or other EPA-approved testing method as acceptable to the Director. If other approved testing methods are used which cannot measure the Particulate matter less than 10 microns in size fraction of the filterable particulate emissions, all of the filterable particulate emissions shall be considered Particulate matter less than 10 microns in size. [R307-401-8]</p>
II.B.11.b.3	<p><b>Filterable PM<sub>2.5</sub></b> 40 Code of Federal Regulations 60, Appendix A, Method 5; Title 40 of the Code of Federal Regulations 51, Appendix M, Method 201A or other EPA-approved testing method as acceptable to the Director. If other approved testing methods are used which cannot measure the Particulate matter less than 2.5 microns in size fraction of the filterable particulate emissions, all of the filterable particulate emissions shall be considered PM<sub>2.5</sub>. [R307-401-8]</p>
II.B.11.b.4	<p><b>Condensable PM</b> 40 Code of Federal Regulations 51, Appendix M, Method 202 or other EPA-approved testing method as acceptable to the Director. [R307-401-8]</p>

II.B.12	<b>Stationary Diesel-Fired Engines:</b>
II.B.12.a	<p>The owner/operator shall comply with the applicable requirements in Title 40 of the Code of Federal Regulations 63 Subpart ZZZZ and Title 40 of the Code of Federal Regulations 60 Subpart IIII for all stationary engines. An engine is considered a stationary engine if the engine meets the definition of "stationary reciprocating internal combustion engine (RICE)" in Title 40 of the Code of Federal Regulations 63.6675 or "stationary internal combustion engine" in Title 40 of the Code of Federal Regulations 60.4219. In determining whether an engine is considered a stationary engine, the time the engine remains at a location shall be considered. Title 40 of the Code of Federal Regulations 1068.30 states that an engine is a stationary engine if:</p> <ul style="list-style-type: none"> <li>A. The engine remains at a location for more than 12 consecutive months</li> <li>B. The engine remains at a seasonal source during the full annual operating period of the seasonal source. A seasonal source is a stationary source that remains in a single location on a permanent basis (i.e., at least two years) and that operates at that single location approximately three months (or more) each year.</li> </ul> <p>[40 Code of Federal Regulations 60 Subpart IIII, Title 40 of the Code of Federal Regulations 60 Subpart ZZZZ, R307-401-8]</p>
II.B.12.b	The owner/operator shall not allow visible emissions from any stationary diesel-fired engine subject to this AO to exceed 20 percent opacity. [R307-201-3, R307-305-3, R307-401-8]
II.B.12.c	The sulfur content of any fuel oil or diesel fuel burned in a stationary diesel-fired engine subject to this AO shall not exceed 15 ppm. [40 Code of Federal Regulations 60 Subpart IIII, Title 40 of the Code of Federal Regulations 63 Subpart ZZZZ, R307-401-8]
II.B.12.c.1	The sulfur content shall be determined by ASTM Method D2880-71, D4294-89, or approved equivalent. Certification of diesel fuel shall be either by the owner/operator's own testing or by test reports from the diesel fuel marketer. [R307-203-1, R307-401-8]
II.B.12.c.2	The owner/operator shall keep and maintain records of the test certification of sulfur content in diesel fuel. Records of the test certification shall be kept for all periods when the plant is in operation. [R307-203-1, R307-401-8]

## PERMIT HISTORY

This Approval Order shall supersede (if a modification) or will be based on the following documents:

Is Derived From

NOI dated July 21, 2023

## 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 Environmental Protection Agency 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>2e</sub>	Carbon Dioxide Equivalent - Title 40 of the Code of Federal Regulations Part 98, Subpart A, Table A-1
COM	Continuous opacity monitor
DAQ/UDAQ	Division of Air Quality
DAQE	This is a document tracking code for internal Division of Air Quality use
EPA	Environmental Protection Agency
FDCP	Fugitive dust control plan
GHG	Greenhouse Gas(es) - Title 40 of the Code of Federal Regulations 52.21 (b)(49)(i)
GWP	Global Warming Potential - Title 40 of the Code of Federal Regulations Part 86.1818-12(a)
HAP or HAPs	Hazardous air pollutant(s)
ITA	Intent to Approve
LB/YR	Pounds per year
MACT	Maximum Achievable Control Technology
MMBTU	Million British Thermal Units
NAA	Nonattainment Area
National Ambient Air Quality Standards	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
Particulate matter less than 10 microns in size	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
Potential to emit	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
Tons per year	Tons per year
UAC	Utah Administrative Code

VOC

Volatile organic compounds