



State of Utah

SPENCER J. COX
Governor

DEIDRE HENDERSON
Lieutenant Governor

Department of Environmental Quality

Tim Davis
Commissioner

DIVISION OF AIR QUALITY
Bryce C. Bird
Director

DAQE-AN161200002-26

September 11, 2026

Quin Bingham
Granite Construction Company
1000 North Warm Springs Road
Salt Lake City, UT 84116
quin.bingham@gcinc.com

Dear Mr. Bingham:

Re: Approval Order: New I-80 Aggregate Mining Facility
Project Number: N161200002

The attached Approval Order (AO) is issued pursuant to the Notice of Intent (NOI) received on August 5, 2025. Granite Construction Company must comply with the requirements of this AO, all applicable state requirements (R307), and Federal Standards.

The project engineer for this action is **John Persons**, who can be contacted at (385) 306-6503 or jpersons@utah.gov. Future correspondence on this AO should include the engineer's name as well as the DAQE number shown on the upper right-hand corner of this letter. Comments were received and considered on this action.

Sincerely,

Bryce C. Bird
Director

BCB:JP:jg

cc: Salt Lake County Health Department

STATE OF UTAH
Department of Environmental Quality
Division of Air Quality

APPROVAL ORDER
DAQE-AN161200002-26
New I-80 Aggregate Mining Facility

Prepared By
John Persons, Engineer
(385) 306-6503
jpgersons@utah.gov

Issued to
Granite Construction Company - I-80 South Quarry

Issued On
September 11, 2026

Issued By

A handwritten signature in black ink, appearing to read 'Bryce C. Bird', is positioned above the printed name.

Bryce C. Bird
Director
Division of Air Quality

TABLE OF CONTENTS

TITLE/SIGNATURE PAGE	1
GENERAL INFORMATION	3
CONTACT/LOCATION INFORMATION	3
SOURCE INFORMATION.....	3
General Description	3
NSR Classification.....	3
Source Classification	3
Applicable Federal Standards	3
Project Description.....	4
SUMMARY OF EMISSIONS.....	4
SECTION I: GENERAL PROVISIONS.....	4
SECTION II: PERMITTED EQUIPMENT	5
SECTION II: SPECIAL PROVISIONS.....	6
PERMIT HISTORY	12
ACRONYMS	13

GENERAL INFORMATION

CONTACT/LOCATION INFORMATION

Owner Name

Granite Construction Company

Source Name

Granite Construction Company - I-80 South Quarry

Mailing Address

1000 North Warm Springs Road
Salt Lake City, UT 84116

Physical Address

Off Exit 132, Ranch Exit of Interstate I-80 East
of Salt Lake City
Salt Lake County, UT

Source Contact

Name: Quin Bingham
Phone: (801) 526-6050
Email: quin.bingham@gcinc.com

UTM Coordinates

437,048 m Easting
4,509,436 m Northing
Datum NAD83
UTM Zone 12

SIC code 1422 (Limestone, Crushed & Broken)

SOURCE INFORMATION

General Description

The Granite Construction Company has requested to operate a new aggregate mining facility at its I-80 South Quarry located in Salt Lake County. The facility will act as a standalone aggregate mining, crushing, and screening operation. This facility will produce up to 150,000 tons of aggregate per year.

NSR Classification

New Minor Source

Source Classification

Located in Salt Lake City UT PM_{2.5} Maintenance Area, Northern Wasatch Front O3 NAA, Salt Lake County SO₂ NAA
Salt Lake County
Airs Source Size: B

Applicable Federal Standards

NSPS (Part 60), A: General Provisions
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

Project Description

The Granite Construction Company (GCC) has requested to install and operate an aggregate mining, crushing, and screening facility. This new facility will consist of one (1) feeder, two (2) crushers, three (3) diesel-fired generator engines, one (1) triple-deck screen, and eight (8) conveyors.

SUMMARY OF EMISSIONS

The emissions listed below are an estimate of the total potential emissions from the source. Some rounding of emissions is possible.

Criteria Pollutant	Change (TPY)	Total (TPY)
CO ₂ Equivalent		252.00
Carbon Monoxide		4.00
Nitrogen Oxides		0.84
Particulate Matter - PM ₁₀		4.38
Particulate Matter - PM _{2.5}		1.04
Sulfur Dioxide		0.08
Volatile Organic Compounds		0.31

Hazardous Air Pollutant	Change (lbs/yr)	Total (lbs/yr)
Generic HAPs (CAS #GHAPS)		20
	Change (TPY)	Total (TPY)
Total HAPs		0.01

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. 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 UAC R307-107. General Requirements: Breakdowns. [R307-107]
I.7	The owner/operator shall comply with UAC R307-150 Series. Emission Inventories. [R307-150]
I.8	The owner/operator shall submit documentation of the status of construction or modification to the Director within 18 months from the date of this AO. This AO may become invalid if construction is not commenced within 18 months from the date of this AO or if construction is discontinued for 18 months or more. To ensure proper credit when notifying the Director, send the documentation to the Director, attn.: NSR Section. [R307-401-18]

SECTION II: PERMITTED EQUIPMENT

II.A THE APPROVED EQUIPMENT

II.A.1	I-80 South Quarry - Aggregate Mining Facility
II.A.2	One (1) Feeder 40 CFR 60 (NSPS) Applicability: Subpart OOO
II.A.3	One (1) Primary Crusher Crusher Type: Jaw Crusher 40 CFR 60 (NSPS) Applicability: Subpart OOO
II.A.4	One (1) Secondary Crusher Crusher Type: Cone Crusher 40 CFR 60 (NSPS) Applicability: Subpart OOO
II.A.5	One (1) Triple Deck Screen 40 CFR 60 (NSPS) Applicability: Subpart OOO
II.A.6	Various Conveyors and Stacker 40 CFR 60 (NSPS) Applicability: Subpart OOO
II.A.7	One (1) Diesel-Fired Generator Engine Power: 440 hp (329 kW) Annual Runtime: 500 hours Controls: Tier 4 and exhaust gas recirculation (EGR) 40 CFR 60 (NSPS) Applicability: Subpart IIII 40 CFR 63 (MACT) Applicability: Subpart ZZZZ

II.A.8	One (1) Diesel-Fired Generator Engine Power: 260 hp (194 kW) Annual Runtime: 500 hours Controls: Tier 4 and EGR 40 CFR 60 (NSPS) Applicability: Subpart IIII 40 CFR 63 (MACT) Applicability: Subpart ZZZZ
II.A.9	One (1) Diesel-Fired Generator Engine Power: 175 hp (131 kW) Annual Runtime: 500 hours Controls: Tier 4 and EGR 40 CFR 60 (NSPS) Applicability: Subpart IIII 40 CFR 63 (MACT) Applicability: Subpart ZZZZ
II.A.10	Three (3) Diesel Storage Tanks Capacity: 250 gallons each
II.A.11	One (1) Dust Collection System
II.A.12	Off Highway Mobile Equipment

SECTION II: SPECIAL PROVISIONS

II.B REQUIREMENTS AND LIMITATIONS

II.B.1	Site Wide Requirements
II.B.1.a	Unless otherwise specified in this AO, the owner/operator shall not allow visible emissions from any source on site to exceed 20% opacity. [R307-305-3]
II.B.1.a.1	Unless otherwise specified in this AO, opacity observations of emissions from stationary sources shall be conducted according to 40 CFR 60, Appendix A, Method 9. [R307-305-3]
II.B.1.b	The owner/operator shall not produce more than 150,000 tons of aggregate per rolling 12-month period. [R307-401-8]
II.B.1.b.1	The owner/operator shall: A. Determine production by belt scale records or scale house records B. Record production on a daily basis C. Use this data to calculate a new rolling 12-month total by the 20th day of each month using data from the previous 12 months D. Keep these records for all periods the plant is in operation. [R307-401-8]
II.B.1.c	The owner/operator shall not operate more than one (1) bulldozer onsite. [R307-401-8]
II.B.1.d	The owner/operator shall not operate the bulldozer on site for more than 1,000 hours per rolling 12-month period. [R307-401-8]

II.B.1.d.1	The owner/operator shall: A. Determine hours of operation by keeping an operational hours log B. Record hours of operation on a daily basis C. Use the hours of operation data to calculate a new rolling 12-month total by the 20th day of each month using data from the previous 12 months D. Keep the hours of operation records for all periods the plant is in operation. [R307-401-8]
II.B.1.e	The owner/operator shall only fill the diesel storage tanks using submerged filling. [R307-401-8]
II.B.1.f	The owner/operator shall only operate the facility during daytime hours, defined as the period after sunrise and before sunset. [R307-401-8]
II.B.1.f.1	The owner/operator shall: A. Determine compliance with daytime operational limitations by keeping an operational hours log B. Record start and stop times of facility operations and the corresponding sunrise and sunset times on a daily basis C. Make the operational hours log available to the Director or Director's representative upon request. [R307-401-8]
II.B.1.g	The owner/operator shall post and maintain public signage at a facility entryway pursuant to Utah Code § 19-2a-108. The sign shall display the facility name, permit identification number, business identification number, and contact information for both the facility manager and the Utah Division of Air Quality. [R307-401-8]
II.B.2	Aggregate Processing Equipment Requirements
II.B.2.a	The owner/operator shall install water sprays on each crusher, screen, conveyor transfer point, and conveyor drop point on site to control emissions. Water sprays shall operate as necessary to prevent visible emissions from exceeding the opacity limits listed in this AO. [R307-401-8]
II.B.2.b	The owner/operator shall perform monthly periodic inspections to check that water is flowing to water sprays associated with each crusher, screen, and conveyor. If the owner/operator finds that water is not flowing properly during an inspection of the water sprays, the owner/operator shall initiate corrective action within 24 hours and complete corrective action as expeditiously as practical. [40 CFR 60 Subpart OOO, R307-401-8]
II.B.2.b.1	Records of the water spray inspections shall be maintained in a logbook for all periods when the plant is in operation. The records shall include the following items: A. Date the inspections were made B. Any corrective actions taken C. Control mechanism used if sprays are not operating. [R307-401-8]

II.B.2.c	The owner/operator shall not exceed the following opacity limits for the indicated emission units. A. Crushers - 12% Opacity B. Screens - 7% Opacity C. Conveyor Transfer Points - 7% Opacity D. Conveyor Drop Points - 20% Opacity. [R307-401-8]
II.B.2.d	The owner/operator shall limit the material drop distance between any offloading point to stockpile to no more than three (3) feet. [R307-401-8]
II.B.3	All NSPS Subpart OOO Equipment on Site Shall be Subject to the Following:
II.B.3.a	The owner/operator shall conduct an initial performance test for all crushers, screens, and conveyor transfer points. Performance tests shall meet the limitations specified in Table 3 to Subpart OOO. Records of initial performance tests shall be kept and maintained on site for the life of the equipment. [40 CFR 60 Subpart OOO]
II.B.3.b	Initial performance tests for fugitive emissions limits shall be conducted according to 40 CFR 60.675(c). The owner or operator may use methods and procedures specified in 40 CFR 60.675(e) as alternatives to the reference methods and procedures specified in 40 CFR 60.675(c). [40 CFR 60 Subpart OOO]
II.B.3.c	The owner/operator shall submit written reports to the Director of the results of all performance tests conducted to demonstrate compliance with the standards set forth in 40 CFR 60.672. [40 CFR 60 Subpart OOO]
II.B.4	Paved Haul Road Requirements
II.B.4.a	The owner/operator shall pave the entrance road to the quarry with concrete or asphalt. The total length of all paved haul roads on site shall not be less than 0.46 miles combined. [R307-401-8]
II.B.4.a.1	The owner/operator shall: A. Record the length of all paved haul roads using satellite imagery or measurement equipment, or other methods acceptable to the Director B. Keep a record of the total paved haul road length on site at all times the facility is in operation. [R307-401-8]
II.B.4.b	The owner/operator shall vacuum sweep and use water to flush all paved haul roads on site to maintain the opacity limits listed in the AO. If the temperature is below freezing, the owner/operator shall continue to vacuum sweep the road but may stop flushing the paved haul roads with water. If the haul roads are covered in snow and ice, the owner/operator may stop vacuum sweeping and flushing the paved haul roads. [R307-401-8]

II.B.4.b.1	Records of vacuum sweeping and water application shall be kept for all periods when the plant is in operation. The records shall include the following items: A. Date and time treatments were made B. Number of treatments made and quantity of water applied C. Rainfall amount received, if any D. Records of temperature, if the temperature is below freezing E. Records shall note if the paved haul roads are covered with snow or ice. [R307-401-8]
II.B.5	Unpaved Roads and Surfaces
II.B.5.a	The owner/operator shall cover all unpaved haul roads with road base material to reduce fugitive dust emissions from unpaved haul roads. [R307-401-8]
II.B.5.b	The owner/operator shall use a chemical suppressant, 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 unpaved areas where mobile equipment is operating. Controls shall be applied as needed to ensure the opacity limits in this AO are not exceeded. [R307-401-8]
II.B.5.b.1	Records of water and chemical treatment shall be kept for all periods when the plant is in operation. The records shall include the following items: A. Date of treatment B. Number of treatments made, dilution ratio, and quantity C. Rainfall received, if any, and approximate amount D. Time of day treatments were made E. Records of temperature if the temperature is below freezing. [R307-401-8]
II.B.6	Fugitive Dust Source Requirements
II.B.6.a	The owner/operator shall not conduct more than five (5) blasts per rolling 12-month period. [R307-401-8]
II.B.6.a.1	The owner/operator shall: A. Record the time and date of each blast on an operations log B. Use the blast data to calculate a new rolling 12-month total by the 20th day of each month using the blasting data from the previous 12-months C. Keep blasting records onsite at all times the facility is in operation. [R307-401-8]
II.B.6.b	The owner/operator shall not conduct any blasting when wind speeds are greater than 25 mph. [R307-401-8]

II.B.6.b.1	The owner/operator shall: A. Record the wind speed at the time of each blast through the use of anemometer B. Keep wind speed data on site at all times the facility is in operation. [R307-401-8]
II.B.6.c	The owner/operator shall not allow visible emissions from haul roads and fugitive dust sources on site to exceed 20% opacity on site and 10% opacity at the property boundary. [R307-401-8]
II.B.6.c.1	Opacity observations of fugitive dust from intermittent sources shall be conducted according to 40 CFR 60, Appendix A, Method 9; however, the requirement for observations to be made at 15-second intervals over a six-minute period shall not apply. The number of observations and the time period shall be determined by the length of the intermittent source. For fugitive dust generated by mobile sources, 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. [R307-401-8]
II.B.6.d	The owner/operator shall control particulate emissions from storage piles using water trucks and/or water cannons. The water trucks and/or water cannons shall operate as required to ensure the opacity limits in this AO are not exceeded. [R307-401-8]
II.B.6.d.1	Records of water application to the storage piles shall be kept for all periods when the plant is in operation. The records shall include the following items: A. The date, time, and location of applications B. The volume of water applied. [R307-401-8]
II.B.6.e	The owner/operator shall install, operate, and maintain a fan-powered dust collection system on all drilling operations that achieves a minimum of 95% control efficiency for PM₁₀ emissions. [R307-401-8]
II.B.6.e.1	The owner/operator shall maintain onsite records for all drill dust-control systems, including documentation of each system's PM₁₀ emission control efficiency. Such records shall be kept current and available for inspection at all times during facility operation. [R307-401-8]
II.B.6.f	The owner/operator shall apply water to any drilling or blasting area before blasting or drilling when the area is not already naturally wet. [R307-401-8]
II.B.6.f.1	Records of water application shall be kept for all periods that the plant is in operation. The records shall include the following: A. Date and time treatments were made B. Number of treatments made and quantity of water applied C. Rainfall amount received, if any. [R307-401-8]
II.B.6.g	The owner/operator shall comply with the applicable requirements of UAC Rule R307-309 for Fugitive Emission and Fugitive Dust sources on site. This shall include the requirement to submit a FDCP under UAC Rule R307-309-6. [R307-401-8]

II.B.6.h	The owner/operator shall not allow the disturbed and exposed area to exceed six (6) acres in size. [R307-401-8]
II.B.6.h.1	The owner/operator shall measure the size of the disturbed and exposed area using aerial photographs, land surveys, on site measurements, or other methods acceptable to the Director at least once per month. [R307-401-8]
II.B.6.i	The owner/operator shall not allow the total storage pile area to exceed two (2) acres in size. [R307-401-8]
II.B.6.i.1	The owner/operator shall measure the total storage pile area using aerial photographs, land surveys, on site measurements, or other methods acceptable to the Director at least once per month. [R307-401-8]
II.B.6.j	The owner/operator shall revegetate, mulch, or use other stabilization methods approved by the director along all paved haul roads to control fugitive dust. [R307-401-8]
II.B.6.k	The owner/operator shall position all overburden removed before the commencement of mining operations in locations that will serve as windbreaks to help minimize fugitive dust emissions. [R307-401-8]
II.B.7	Diesel Engine Requirements
II.B.7.a	The owner/operator shall not operate any engine on site for more than 500 hours per rolling 12-month period. [R307-401-8]
II.B.7.a.1	The owner/operator shall: A. Determine hours of operation by supervisor monitoring and maintaining an operational hours log B. Records hours of operation each day C. Use the hours of operation to calculate a new rolling 12-month total by the 20th day of each month using data from the previous 12 months D. Keep hours of operation records for all periods the plant is in operation. [R307-401-8]
II.B.7.b	The owner/operator shall install and operate EGR systems on each of the diesel-fired generator engines. [R307-401-8]
II.B.7.b.1	The owner/operator shall operate the EGR system on each engine according to the manufacturer's operational and maintenance guidelines. [R307-401-8]
II.B.7.c	The owner/operator shall only install Tier 4 diesel-fired generator engines that are certified to meet a NO _x emission rate of 0.30 g/hp-hr (0.40 g/kW-hr) or less, a CO emission rate of 2.6 g/hp-hr (3.5 g/kW-hr), and a PM emission rate of 0.015 g/hp-hr (0.02 g/kW-hr). [R307-401-8]
II.B.7.c.1	To demonstrate compliance with these emission rates, the owner/operator shall keep a record of the manufacturer's certification of each emission rate for each engine on site at all times the facility is in operation. The record shall be kept for the life of the equipment. [R307-401-8]
II.B.7.d	The owner/operator shall not allow visible emissions from the diesel-fired generator engines on site to exceed 20% opacity. [R307-401-8]

II.B.7.d.1	Unless otherwise specified in this AO, opacity observations of emissions from stationary sources shall be conducted according to 40 CFR 60, Appendix A, Method 9. [R307-305-3]
II.B.7.e	The owner/operator shall only combust diesel fuel that meets the definition of ultra-low sulfur diesel (ULSD), which has a sulfur content of 15 ppm or less. [R307-401-8]
II.B.7.e.1	To demonstrate compliance with the ULSD fuel requirement, the owner/operator shall maintain records of diesel fuel purchase invoices or obtain certification of sulfur content from the diesel fuel supplier. The diesel fuel purchase invoices shall indicate that the diesel fuel meets the ULSD requirements. [R307-401-8]
II.B.7.f	The owner/operator shall operate the diesel-fired generator engines according to the manufacturer's operational and maintenance guidelines. [R307-401-8]

PERMIT HISTORY

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

Is Derived From
Incorporates
Incorporates
Incorporates
Incorporates

NOI dated August 5, 2025
Additional Information dated August 15, 2025
Additional Information dated September 22, 2025
Additional Information dated September 24, 2025
Additional Information dated September 30, 2025

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 ₂	Carbon Dioxide
CO ₂ e	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
NAAQS	National Ambient Air Quality Standards
NESHAP	National Emission Standards for Hazardous Air Pollutants
NOI	Notice of Intent
NO _x	Oxides of nitrogen
NSPS	New Source Performance Standard
NSR	New Source Review
PM ₁₀	Particulate matter less than 10 microns in size
PM _{2.5}	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 ₂	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
VOC	Volatile organic compounds