



State of Utah

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Department of
Environmental Quality

Tim Davis
Interim Executive Director

DIVISION OF AIR QUALITY
Bryce C. Bird
Director

DAQE-IN140310005-25

March 17, 2025

Bryan Jorgensen
Kilgore Companies, LLC
PO Box 869 Magna, UT 84044
bryan.jorgensen@kilgorecompanies.com

Dear Mr. Jorgensen:

Re: Intent to Approve: Modification to Approval Order DAQE-AN140310004-22 to Add Equipment, Increase Disturbed Area, and Increase Maximum Hourly Crusher Capacity
Project Number: N140310005

The attached document is the Intent to Approve (ITA) for the above-referenced project. The ITA 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 ITA should include the engineer's name, **Christine Bodell**, as well as the DAQE number as shown on the upper right-hand corner of this letter. Christine Bodell, can be reached at (385) 290-2690 or cbodell@utah.gov, if you have any questions.

Sincerely,

Alan D. Humpherys, Manager
New Source Review Section

ADH:CB:jg

cc: Tooele County Health Department

STATE OF UTAH
Department of Environmental Quality
Division of Air Quality

INTENT TO APPROVE
DAQE-IN140310005-25
Modification to Approval Order DAQE-AN140310004-22 to Add
Equipment, Increase Disturbed Area, and Increase Maximum
Hourly Crusher Capacity

Prepared By
Christine Bodell, Engineer
(385) 290-2690
cbodell@utah.gov

Issued to
Kilgore Companies, LLC - Stockton Pit

Issued On
March 17, 2025



New Source Review Section Manager
Alan D. Humpherys

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GENERAL INFORMATION

CONTACT/LOCATION INFORMATION

Owner Name

Kilgore Companies, LLC

Source Name

Kilgore Companies, LLC - Stockton Pit

Mailing Address

PO Box 869
Magna, UT 84044

Physical Address

555 North Highway 36
Stockton, UT 84071

Source Contact

Name: Bryan Jorgensen
Phone: (801) 597-4471
Email: bryan.jorgensen@kilgorecompanies.com

UTM Coordinates

385,000 m Easting
4,480,130 m Northing
Datum NAD83
UTM Zone 12

SIC code 1442 (Construction Sand & Gravel)

SOURCE INFORMATION

General Description

Kilgore Contracting, LLC (Kilgore) owns and operates the Stockton aggregate processing plant in Tooele County. Raw material at the site is processed and stockpiled as pre-sized and sorted aggregates before being trucked off-site. Aggregate equipment on site includes crushers, screens, conveyors, bulldozers, and front-end loaders. The source also consists of one (1) No. 2 fuel oil, 10,000-gallon storage tank for fueling mobile, on-site equipment. Production at the Stockton Aggregate Plant will not exceed 1,740,000 tons of processed aggregate per year.

NSR Classification

Minor Modification at Minor Source

Source Classification

Located in Northern Wasatch Front O3 NAA, Salt Lake City UT PM_{2.5} NAA
Tooele 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
Title V (Part 70) Area Source

Project Description

Kilgore has requested modification to AO DAQE-AN140310004-22, dated December 22, 2022, to add the following equipment:

- One (1) Cone Crusher (1,000 tons per hour capacity);
- Two (2) Bin Feeders;
- Five (5) Conveyor Belts;
- One (1) Conveyor Stacker; and
- One (1) Screen (8' x 20').

Of the above equipment, one (1) bin feeder, two (2) conveyors, and the one (1) stacker are part of the wash plant and will therefore not result in additional emissions.

Additionally, Kilgore has requested to increase the allowable active disturbed area from 8.5 acres (Condition II.B.5.e in AO DAQE-AN140310004-22) to 20 acres.

Lastly, Kilgore has requested that the maximum hourly capacities of the existing one (1) jaw crusher and existing two (2) cone crushers (Equipment ID.# II.A.2 and II.A.3 in AO DAQE-AN140310004-22) be increased from 700 tph to 1,000 tph.

Kilgore is not requesting an annual increase in aggregate material production. Additionally, the size of stockpiles will remain the same. Annual emission rates will increase due to the increase in drop points resulting from the new aggregate equipment and increase in disturbed area.

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)
Particulate Matter - PM ₁₀	1.69	24.05
Particulate Matter - PM _{2.5}	1.02	4.56

PUBLIC NOTICE STATEMENT

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 Tooele Transcript on March 19, 2025. 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.

SECTION I: GENERAL PROVISIONS

The intent is to issue an air quality AO 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 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 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

The intent is to issue an air quality AO 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	Stockton Aggregate Processing & Wash Plant
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II.A.2	One (1) Jaw Crusher Maximum Capacity: 1,000 tons per hour (tph) NSPS Applicability: Subpart OOO
II.A.3	Three (3) Cone Crushers (1 New) Maximum Capacity: 1,000 tph, each NSPS Applicability: Subpart OOO
II.A.4	Three (3) Triple Deck Screens (1 New) Size: 8' x 20', each NSPS Applicability: Subpart OOO
II.A.5	One (1) Wet Screen Size: 7' x 20' NSPS Applicability: Subpart OOO
II.A.6	One (1) Single Screw Washer Size: 66"
II.A.7	One (1) Twin Screw Washer Size: 44"
II.A.8	Various Conveyors, Bin Feeders, and Stacker Forty-one (41) Conveyor Belts Total - Five (5) New Two (2) Bin Feeders Total - Two (2) New One (1) Stacker Total - One (1) New NSPS Applicability: Subpart OOO
II.A.9	One (1) Fuel Storage Tank Capacity: 10,000 gallons Fuel: No. 2 Fuel Oil

SECTION II: SPECIAL PROVISIONS

The intent is to issue an air quality AO 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	The Aggregate Processing Plant shall be subject to the following:
II.B.1.a	The owner/operator shall not produce more than 1,740,000 tons of aggregate material per rolling 12-month period. [R307-401-8]

II.B.1.a.1	<p>The owner/operator shall:</p> <ul style="list-style-type: none"> A. Determine production with sales records or scale records B. Record production on a daily basis C. Use the production 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 production records for all periods the plant is in operation. <p>[R307-401-8]</p>
II.B.1.b	<p>The owner/operator shall not produce more than 1,000 tons of aggregate material per hour. [R307-401-8]</p>
II.B.1.b.1	<p>The owner/operator shall:</p> <ul style="list-style-type: none"> A. Determine production with sales records or scale records B. Record production on an hourly basis C. Keep the production records for all periods the plant is in operation. <p>[R307-401-8]</p>
II.B.1.c	<p>The owner/operator shall not haul aggregate material off-site before 8:00 am and after 6:00 pm each day from November 1st through February 28th. The owner/operator shall not haul aggregate material off-site before 6:00 am and after 7:00 pm for all other days of the year. [R307-401-8, R307-410-4]</p>
II.B.1.d	<p>The owner/operator shall not crush or screen aggregate material before 7:00 am and after 5:00 pm each day from November 1st through February 28th. The owner/operator shall not crush or screen aggregate material before 6:00 am and after 7:00 pm for all other days of the year. [R307-401, R307-410-4]</p>
II.B.1.e	<p>Unless otherwise specified in this AO, the owner/operator shall not conduct any operations on-site before 6:00 am or after 7:00 pm each day. [R307-401-8, R307-410-4]</p>
II.B.1.e.1	<p>To show compliance with the above three (3) conditions, the owner/operator shall keep and maintain the following records of operation for all periods the plant is in operation, including all periods of crushing or screening aggregate material and all periods that aggregate is hauled offsite.</p> <ul style="list-style-type: none"> A. Time operations begin each day B. Time operations end each day. <p>[R307-401-8, R307-410-4]</p>
II.B.1.f	<p>Unless otherwise specified in this AO, the owner/operator shall not allow visible emissions from any source on site to exceed 20% opacity. [R307-201]</p>
II.B.1.f.1	<p>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. [R307-201]</p>

II.B.2	The Bulldozing Operations on site shall be subject to the following:
II.B.2.a	The owner/operator shall not operate all bulldozers on site for more than 500 hours combined per rolling 12-month period. [R307-401-8]
II.B.2.a.1	<p>The owner/operator shall:</p> <ul style="list-style-type: none"> A. Determine hours of operation with supervisor monitoring and maintaining an operations log. B. Record 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. The hours of operation of each bulldozer shall be added together to determine the total hours. D. Keep hours of operation records for all periods the plant is in operation. <p>[R307-401-8]</p>
II.B.3	All Paved Haul Roads on site shall be subject to the following:
II.B.3.a	An operational vacuum sweeper and water truck shall be made available during each operating day. The owner/operator shall vacuum sweep and flush with water, as needed, all the paved haul roads on site to maintain opacity limits listed in this 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. Flushing the paved haul road with water shall resume when the temperature is above freezing. If the haul roads are covered with snow or ice, the owner/operator may stop vacuum sweeping the paved haul roads. Vacuum sweeping the paved haul roads shall resume when the haul roads are cleared from snow and ice. [R307-401-8]
II.B.3.a.1	<p>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:</p> <ul style="list-style-type: none"> 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. <p>[R307-401-8]</p>
II.B.4	All Unpaved Haul Roads on site shall be subject to the following:
II.B.4.a	The owner/operator shall cover all unpaved haul roads and wheeled-vehicle operational areas with road base material, and an operational water truck shall be made available during each operating day. The owner/operator shall use water application and/or chemical suppressant to maintain opacity limits listed in this AO. If the temperature is below freezing, the owner/operator may stop applying water and/or chemical suppressant to the unpaved haul roads and wheeled-vehicle operational areas. The owner/operator shall resume applying water and/or chemical suppressant to the unpaved haul roads and wheeled-vehicle operational areas when the temperature is above freezing. [R307-401-8]

II.B.4.a.1	<p>Records of chemical suppressant and water application shall be kept for all periods when the plant is in operation. The records shall include the following items:</p> <ul style="list-style-type: none"> A. Date and time treatments were made B. Number of treatments made, quantity of water applied, and chemical dilution ratio C. Rainfall amount received, if any D. Records of temperature, if the temperature is below freezing. <p>[R307-401-8]</p>
II.B.5	All Haul Roads and Sources of Fugitive Dust on site shall be subject to the following:
II.B.5.a	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. [R307-309-5]
II.B.5.a.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. [R307-309-5]
II.B.5.b	The combined area occupied by all storage piles on site shall not exceed 9.0 acres. [R307-401-8]
II.B.5.c	<p>To determine compliance with the total acres of the storage piles, the owner/operator shall measure the total area of the storage piles at least once every six (6) months and shall maintain a record of the total acres of the storage piles. To determine the acres of the storage piles on site, the owner/operator shall use a handheld GPS unit and travel around the base of each storage pile on site to calculate the area of each storage pile on site. The area of each storage pile shall be added together to obtain the total area of all the storage piles on site. Records of the total acres of the storage piles shall contain the following:</p> <ul style="list-style-type: none"> A. Date of measurements B. Size of each storage pile on site C. Total acres of all storage piles combined. <p>[R307-401-8]</p>
II.B.5.d	The owner/operator shall install water sprays on all conveyor drop points on site. The owner/operator shall apply water from conveyor sprays and water trucks to all storage piles on site to control fugitive emissions. Sprays shall operate as required to maintain the opacity limits listed in this AO when the temperature is above freezing. The owner/operator may stop the water sprays when the temperature is below freezing. [R307-401-8]
II.B.5.e	The owner/operator shall not exceed 20 acres of active disturbed area. [R307-401-8]

<p>II.B.5.e.1</p>	<p>To determine compliance with the total acres of the active disturbed acreage, the owner/operator shall measure the total area of the active disturbed acreages at least once every six (6) months and shall maintain a record of the total acres of the active disturbed acreages. To determine the acres of the active disturbed acreages on site, the owner/operator shall use Global Positioning System (GPS) measurements or aerial photographs. The area of each active disturbed acreage shall be added together to obtain the total area of all the active disturbed acreages on site. Reclaimed areas such as those with emerged vegetation or hydro-seeding do not contribute to the acreage totals. Records of the total acres of the active disturbed acreages shall contain the following:</p> <ul style="list-style-type: none"> A. Date of measurements B. Size of each active disturbed area on site C. Total acres of active disturbed acreage combined. <p>[R307-401-8]</p>
<p>II.B.5.f</p>	<p>The owner/operator shall control particulate emissions from storage piles and disturbed areas with water application. Water shall be applied as necessary to ensure the opacity limits in this AO are not exceeded. [R307-401-8]</p>
<p>II.B.5.f.1</p>	<p>Records of water application to the storage piles and disturbed areas shall be kept for all periods when the plant is in operation. The records shall include the following items:</p> <ul style="list-style-type: none"> A. The date, time, and location of water applications B. The volume of water applied. <p>[R307-401-8]</p>
<p>II.B.5.g</p>	<p>The owner/operator shall comply with all applicable requirements of R307-309, Nonattainment and Maintenance Areas for PM₁₀ and PM_{2.5}: Fugitive Emissions and Fugitive Dust. [R307-309]</p>
<p>II.B.6</p>	<p>All Crushers on site shall be subject to the following:</p>
<p>II.B.6.a</p>	<p>The owner/operator shall not allow visible emissions from any crusher on site to exceed 12% opacity. [40 CFR 60 Subpart OOO, R307-312-4, R307-401-8]</p>
<p>II.B.7</p>	<p>All Screens on site shall be subject to the following:</p>
<p>II.B.7.a</p>	<p>The owner/operator shall not allow visible emissions from any aggregate screen on site to exceed 7% opacity. [40 CFR 60 Subpart OOO, R307-312-4, R307-401-8]</p>
<p>II.B.7.b</p>	<p>The owner/operator shall not allow any visible emissions from any wet screens on site. [40 CFR 60 Subpart OOO, R307-401-8]</p>
<p>II.B.8</p>	<p>All Conveyors on site shall be subject to the following:</p>
<p>II.B.8.a</p>	<p>The owner/operator shall not allow visible emissions from any conveyor transfer point on site to exceed 7% opacity. [40 CFR 60 Subpart OOO, R307-312-4, R307-401-8]</p>
<p>II.B.8.b</p>	<p>The owner/operator shall not allow any visible emissions from any conveyor on site that processes saturated material. [40 CFR 60 Subpart OOO, R307-401-8]</p>
<p>II.B.8.c</p>	<p>The owner/operator shall not allow visible emissions from any conveyor drop point on site to exceed 20% opacity. [R307-401-8]</p>

II.B.9	All Crushers, Screens, and Conveyors on site shall be subject to the following:
II.B.9.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.9.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.9.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. [40 CFR 60 Subpart OOO, R307-401-8]
II.B.9.c	The owner/operator shall conduct an initial performance test for all crushers, screens, and conveyor transfer points on site within 60 days after achieving the maximum production rate but not later than 180 days after initial startup. 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.9.c.1	Initial performance tests for fugitive emissions limits shall be conducted according to 40 CFR 60.675(c). The owner/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.9.d	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]

PERMIT HISTORY

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

Supersedes
Is Derived From
Incorporates
Incorporates
Incorporates

AO DAQE-AN140310004-22 dated December 22, 2022
NOI dated August 7, 2024
Additional Information dated September 16, 2024
Additional Information dated October 15, 2024
Additional Information dated December 6, 2024

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 _{2e}	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