



State of Utah

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Governor

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Lieutenant Governor

Department of
Environmental Quality

Kimberly D. Shelley
Executive Director

DIVISION OF AIR QUALITY
Bryce C. Bird
Director

DAQE-AN122880003-24

January 8, 2025

Shawn Bishop
Concrete Recycling Incorporated
555 South Iron Rose Place
Salt Lake City, UT 84104
shawn@impactdemolition.net

Dear Mr. Bishop:

Re: Approval Order: Administrative Amendment to Approval Order DAQE-AN22880003-04 for a
10-year Review and Permit Updates
Project Number: N122880003

The attached Approval Order (AO) is issued pursuant to the Division of Air Quality conducting a 10-year administrative review of this source and its respective AO. Concrete Recycling Incorporated 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.

Sincerely,

Bryce C. Bird
Director

BCB:JP:jg

STATE OF UTAH
Department of Environmental Quality
Division of Air Quality

APPROVAL ORDER
DAQE-AN122880003-24
Administrative Amendment to Approval Order
DAQE-AN2288003-04 for a 10-Year Review
and Permit Updates

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

Issued to
Construction Recycling Incorporated - Construction Debris Recycling

Issued On
January 8, 2025

Issued By

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

Bryce C. Bird
Director
Division of Air Quality

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GENERAL INFORMATION

CONTACT/LOCATION INFORMATION

Owner Name

Concrete Recycling Incorporated

Source Name

Construction Recycling Incorporated -
Construction Debris Recycling

Mailing Address

555 South Iron Rose Place
Salt Lake City, UT 84104

Physical Address

620 South Delong Street
Salt Lake City, UT 84104

Source Contact

Name: Shawn Bishop
Phone: (801) 973-0066
Email: shawn@impactdemolition.net

UTM Coordinates

419,497 m Easting
4,512,062 m Northing
Datum NAD83
UTM Zone 12

SIC code 5093 (Scrap & Waste Materials)

SOURCE INFORMATION

General Description

Construction Recycling Incorporated operates a permanent aggregate operation that processes construction debris into road-base gravel and fill material in Salt Lake County, Utah. The facility includes feeders, crushers, screens, stackers, and associated conveying equipment. The facility produces up to 400,000 tons of processed material per year.

NSR Classification

10-Year Review

Source Classification

Located in Northern Wasatch Front O3 NAA, Salt Lake City UT PM_{2.5} 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
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

This project is a 10-year review of Approval Order DAQE-AN2288003-04 dated April 20, 2004.

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)
Carbon Monoxide	0	2.03
Nitrogen Oxides	0	17.20
Particulate Matter - PM ₁₀	0	4.47
Particulate Matter - PM _{2.5}	0	4.47
Sulfur Dioxide	0	3.28
Volatile Organic Compounds	0	0.93

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 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]

SECTION II: PERMITTED EQUIPMENT

II.A THE APPROVED EQUIPMENT

II.A.1	Site Wide Requirements
II.A.2	One (1) Jaw Crusher Rated: 250 tph Manufacturer: Universal Model: 1208 S/N: 115.257 Manufactured: 1999
II.A.3	One (1) Feeder Rated: 250 tph Manufacturer: Universal Model: 44x20 S/N: 65A-011 Manufactured: 1999
II.A.4	One (1) Feeder Rated: 250 tph Manufacturer: Universal Model: 44x20 S/N: 806x640 Manufactured: 1999
II.A.5	One (1) Impact Crusher Rated: 400 tph Manufacturer: Universal Model: 130/150 S/N: 619/315 Manufactured: 1999
II.A.6	One (1) Triple Screen Rated: 250 tph Manufacturer: Allis Model: 1208 S/N: 26A298 Manufactured: 1999
II.A.7	Associated Equipment Loaders, excavators, water and haul trucks, conveyors, magnet towers, and stackers

SECTION II: SPECIAL PROVISIONS

II.B REQUIREMENTS AND LIMITATIONS

II.B.1	Site-wide Limitations
II.B.1.a	<p>The owner/operator shall ensure that visible emissions from the following emission points do not exceed the specified values:</p> <ul style="list-style-type: none"> A. All crushers - 12% opacity B. All screens - 7% opacity C. All conveyor transfer points - 7% opacity D. All diesel engines - 20% opacity E. Conveyor drop points - 10% opacity F. All other points - 20% opacity. <p>[R307-401-8]</p>
II.B.1.a.1	Opacity observations of emissions from stationary sources shall be conducted according to 40 CFR 60.11(b) and 40 CFR 60, Appendix A, Method 9. [R307-401-8]
II.B.1.b	The owner/operator shall not produce more than 400,000 tons of processed materials per rolling 12-month period. [R307-401-8]
II.B.1.b.1	<p>The owner/operator shall:</p> <ul style="list-style-type: none"> A. Determine production by belt scale records or scale house records B. Record production daily 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 these records for all periods the plant is in operation. <p>[R307-401-8]</p>
II.B.1.c	<p>The owner/operator shall not operate the facility more than the following hours:</p> <ul style="list-style-type: none"> A. 14 hours per day B. 3000 hours per rolling 12-month period. <p>[R307-401-8]</p>

II.B.1.c.1	<p>The owner/operator shall:</p> <ul style="list-style-type: none"> A. Determine hours of operation by hour meters or an hours of operations log B. Records hours of operation daily 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 facility is in operation. <p>[R307-401-8]</p>
II.B.2	Fugitive Dust Requirements
II.B.2.a	The owner/operator shall abide by a fugitive dust control plan acceptable to the Director for control of all dust sources associated with the DeLong Street aggregate facility, and comply with the most current plan approved by the Director. [R307-401-8]
II.B.2.b	The owner/operator shall abide by all applicable requirements of the Utah Administrative Code (UAC) Section R307-309. [R307-309]
II.B.2.c	The owner/operator shall ensure that the haul road does not exceed 0.5 miles in length. [R307-401-8]
II.B.2.c.1	<p>The owner/operator shall:</p> <ul style="list-style-type: none"> A. Record the length of all haul roads using satellite imagery or measurement equipment, or other methods acceptable to the Director B. Keep a record of the total haul road length on site at all times the facility is in operation. <p>[R307-401-8]</p>
II.B.2.d	The owner/operator shall ensure that visible fugitive dust emissions from haul-road traffic and mobile equipment in operational areas do not exceed 20% opacity. [R307-401-8]
II.B.2.d.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.2.e	<p>The owner/operator shall install water sprayers or chemical dust suppression sprayers at the following points to control fugitive emissions:</p> <ul style="list-style-type: none"> A. All crushers B. All screens C. All conveyor transfer points. <p>[R307-401-8]</p>

II.B.2.e.1	The owner/operator shall ensure that the sprays operate whenever dry conditions warrant or as determined necessary by the Director. [R307-401-8]
II.B.2.f	The owner/operator shall ensure that the storage piles are watered to minimize the generation of fugitive dust, as dry conditions warrant or as determined necessary by the Director. Records of water and/or chemical treatment shall be kept for all periods when the plant is in operation. Records of water and/or chemical treatment 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. [R307-401-8]
II.B.2.g	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 CFR 60 Subpart OOO, R307-401-8]
II.B.2.g.1	<p>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:</p> <ul style="list-style-type: none">A. Date the inspections were madeB. Any corrective actions takenC. Control mechanism used if sprays are not operating. <p>[40 CFR 60 Subpart OOO, R307-401-8]</p>

PERMIT HISTORY

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

Replaces
Is Derived From

AO DAQE-AN2288003-04 dated April 20, 2004
NOI dated June 5, 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 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