

PERMIT AMENDMENT NO. 1423-157-0068-S-01-1
ISSUANCE DATE:



GEORGIA
DEPARTMENT OF NATURAL RESOURCES

ENVIRONMENTAL PROTECTION DIVISION

Air Quality – Permit Amendment

In accordance with The Georgia Air Quality Act, O.C.G.A. Section 12-9-1, et seq and the Rules, Chapter 391-3-1, adopted pursuant to or in effect under that Act, Permit No. 1423-157-0068-S-01-0 issued on December 18, 2020, to:

Facility Name: Georgia Stone Products-Jefferson Quarry
Facility Address: 360 Quarry Road
Jefferson, Georgia 30549 (Jackson County)
Mailing Address: P.O. Box 13527
Roanoke, VA 24035
Facility AIRS Number: 04-13-157-00068

for the following: The construction and operation of a construction aggregates mine/rock quarry and stone processing plant with associated air pollution control systems.

is hereby amended as follows: (1) increasing production in Finishing Plant (beginning with Feed 2, 3 & 4) to 1,000 ton-per-hour (TPH); (2) increasing customer sales to 1,000 TPH and 24 hours per day; (3) expanding paved customer road to 1,900 feet with fixed water sprays, and unpaved road to 2,030 feet with dust control provided by water truck; and (4) operating a 350 TPH portable primary circuit consisting of one hopper, one feeder, one jaw crusher and two conveyors for less than 12-consecutive months.

Reason for Amendment: Application No. 28352 dated March 18, 2022.

This Permit is further subject to and conditioned upon the terms, conditions, limitations, standards, or schedules contained in or specified on the attached 5 page(s).

This Permit Amendment is hereby made a part of Permit No. 1423-157-0068-S-01-0 and compliance herewith is hereby ordered. Except as amended hereby, the above referenced Permit remains in full force and effect.



Richard E. Dunn, Director
Environmental Protection Division

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New Condition

- 4.4 Any portable stone processing unit(s) at this quarry, including the 350 TPH portable primary circuit consisting of one hopper, one feeder, one jaw crusher and two conveyors as identified in Condition 9.7, shall have, and use wet suppression systems to abate emissions of particulate matter/dust from its operation. The wet suppression systems shall be monitored and maintained according to Conditions 5.1 and 5.2 of this Permit.
- 4.5 Any portable stone processing unit(s) at this quarry, including the 350 TPH portable primary circuit as identified in Condition 9.7, shall be portable/mobile as defined in 40 CFR §1068.30.
- 4.6 Electricity or low sulfur diesel fuel as defined in 40 CFR § 1090.305 shall be used to power each portable stone processing unit(s) at this quarry, including the 350 TPH portable primary circuit as identified in Condition 9.7. The Permittee shall keep pertinent fuel records for compliance demonstration.
- 4.7 Each of the internal combustion engines powering the portable stone processing unit(s) at this quarry, including the 350 TPH portable primary circuit as identified in Condition 9.7, shall be certified by US EPA for compliance with applicable emission standards for nonroad engines. The Permittee shall obtain copies of the pertinent EPA certificates for those engines and keep the certificates on site.
- 9.7 The 350 TPH portable primary circuit/processing plant shall be operated at either of the two locations (Scenario A or Scenario B) as identified below and shall comply with the operating limitations as specified in Condition 9.2(c). 30 days before operating any portable processing unit(s) identified below at any location(s) other than that identified below, the Permittee shall notify the Division in writing to substantiate the effect of such operation on ambient air quality.

Required Locations for the 350 TPH Portable Primary Circuit/Processing Plant

Source ID No.	Source Description	Scenario A		Scenario B	
		Easting (X)	Northing (Y)	Easting (X)	Northing (Y)
PH1	Portable Hopper No. 1 (350 TPH)	256,372.91	3,780,929.00	256,602.15	3,780,536.51
PF1	Portable Grizzly Feeder No. 1 (350 TPH)	256,372.00	3,780,927.50	256,601.62	3,780,535.45
PCR1	Portable Jaw Crusher No. 1 (350 TPH)	256,372.09	3,780,925.75	256,601.49	3,780,536.25
PC1	Portable Conveyor No. 1	256,371.59	3,780,925.00	256,602.38	3,780,535.84
PC2	Portable Conveyor No. 2	256,370.09	3,780,920.75	256,602.79	3,780,533.57
PC2TOS P	Stockpile Fed by Portable Conveyor No. 2	256,365.91	3,780,907.50	256,608.01	3,780,524.55

- 9.8 The 350 TPH portable primary circuit/processing plant shall not remain at this facility/site for more than 12-consecutive months including nonoperating time. The Permittee shall notify the Division in writing of the date the 350 TPH portable primary circuit moving into and moving off this facility/site within 15 days of such date.

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Modified Condition

- 9.2 The Permittee shall limit the operation of the production processes as stated below and keep necessary daily production records for compliance demonstration. All such records shall be accurate and complete, be kept in a suitable manner, and be readily available for inspection by the Division.
- a. The operation of the primary crusher shall be limited to 1,000 tons per hour (as determined by daily total quality of stone processed divided by daily total operating hours of the primary crusher), and 17 hours per day.
 - b. The operation of the finishing plant (beginning with Surge Feeder Nos. 2, 3 and 4) shall be limited to 1,000 tons per hour (as determined by daily total quality of stone processed divided by daily total operating hours of the finishing plant), and 17 hours per day.
 - c. The operation of the portable primary circuit/processing plant shall be limited to 350 tons per hour (as determined by daily total quality of stone processed divided by daily total operating hours of the portable plant), and 8 hours per day.
 - d. The sales of stone shall be limited to 1,000 tons per hour (as determined by daily total quality of stone sold divided by daily total operating hours of the sales operation) and 24 hours per day.
- 9.3 The Permittee shall pave the 1,900 feet of customer road with fixed water spray system and serve the 2,030 feet unpaved customer road with water truck.

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**Attachment A– Equipment List (Updated)
Jefferson Quarry
360 Jefferson Road
Jefferson, Jackson County, Georgia**

Process ⁽¹⁾	Source Code	Controls	40 CFR 60 Subpart OOO Applicability	
			Prior to April 22, 2008	On or After April 22, 2008
Dump Hopper	DH1	None		Yes
Grizzly Feeder	F1	Water Spray		Yes
Jaw Crusher (50"x62")	CR1	Water Spray		Yes
Conveyor No. 1 (60")	C1	Water Spray		Yes
Conveyor No. 2 (48")	C2	Water Carryover		Yes
Conveyor No. 3 (48")	C3	Water Carryover		Yes
Surge Stockpile Fed by Conveyor No. 3	C3 To SP	Water Carryover	n/a	n/a
Surge Tunnel Feeders	F2, F3, F4	Water Carryover		Yes
Conveyor No. 10 (48")	C10	Water Spray		Yes
Screen No. 1 (8'x20' Quad Deck)	SC1	Water Carryover		Yes
Rip Rap Stockpile Fed by Screen No. 1	SC1 TO SP	None	n/a	n/a
Conveyor No. 11 (48")	C11	Water Spray		Yes
Conveyor No. 12 (48")	C12	Water Carryover		Yes
Bin No. 1	B1	Water Carryover		Yes
Feeder No. 5	F5	Water Carryover		Yes
Cone Crusher (CS660)	CR2	Water Spray		Yes
Conveyor No. 13 (42")	C13	Water Spray		Yes
Screen No. 2 (8x24 Triple Deck)	SC2	Water Carryover		Yes
Screen No. 3 (8x24 Triple Deck)	SC3	Water Carryover		Yes
Conveyor No. 14A (30")	C14A	Water Spray		Yes
Conveyor No. 14 (30")	C14	Water Spray		Yes
Bin No. 2	B2	Water Carryover		Yes
Feeder No. 6	F6	Water Carryover		Yes
Cone Crusher (CH660)	CR3	Water Spray		Yes
Conveyor No. 15 (42")	C15	Water Spray		Yes
Conveyor No. 16 (30")	C16	Water Carryover		Yes
Conveyor No. 17 (30")	C17	Water Carryover		Yes
Conveyor No. 18 (36")	C18	Water Carryover		Yes
GAP Stockpile Fed by Conveyor No. 18	C18 TO SP	Water Carryover	n/a	n/a
Conveyor No. 19 (30")	C19	Water Spray		Yes
34 Stockpile Fed by Conveyor No. 19	C19 TO SP	Water Carryover	n/a	n/a
Conveyor No. 20 (30")	C20	Water Spray		Yes
Conveyor No. 21 (42")	C21	Water Spray		Yes

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Process ⁽¹⁾	Source Code	Controls	40 CFR 60 Subpart OOO Applicability	
			Prior to April 22, 2008	On or After April 22, 2008
Conveyor No. 22 (42")	C22	Water Spray		Yes
Conveyor No. 23 (30")	C23	Water Carryover		Yes
Screening Stockpile Fed by Conveyor No. 23	C23 TO SP	Water Carryover	n/a	n/a
Conveyor No. 24 (30")	C24	Water Carryover		Yes
Conveyor No. 25 (36")	C25	Water Spray		Yes
Screen No. 4 Wash Screen (8x24 Triple Deck)	SC4	Wet Process		Yes
Conveyor No. 26 (30")	C26	Wet Process		Yes
Conveyor No. 27 (36")	C27	Wet Process		Yes
57 Stockpile Fed by Conveyor No. 27	C27 TO SP	Water Carryover		Yes
Conveyor No. 28 (30")	C28	Wet Process		Yes
Conveyor No. 29 (30")	C29	Wet Process		Yes
No. 7 Stockpile Fed by Conveyor No. 29	C29 TO SP	Wet Process	n/a	n/a
Conveyor No. 30 (30")	C30	Wet Process		Yes
Conveyor No. 31 (30")	C31	Wet Process		Yes
89 Stockpile Fed by Conveyor No. 31	C31 TO SP	Wet Process	n/a	n/a
Sand Screw No. 1 (44"x32')	SRW1	Wet Process		Yes
Conveyor No. 32 (30")	C32	Wet Process		Yes
Conveyor No. 33 (30")	C33	Wet Process		Yes
Washed Sand Stockpile Fed by Conveyor No. 33	C33 TO SP	Wet Process	n/a	n/a
Drilling in Pit	PITDRILL	Water Spray	n/a	n/a
Loading in Pit	PITLOAD	Water Carryover	n/a	n/a
350 TPH Portable Primary Circuit/Processing Plant				
Portable Hopper No. 1 (350 TPH)	PH1	None		Yes
Portable Grizzly Feeder No. 1 (350 TPH)	PF1	Water Spray		Yes
Portable Jaw Crusher No. 1 (350 TPH)	PCR1	Water Spray		Yes
Portable Conveyor No. 1	PC1	Water Spray		Yes
Portable Conveyor No. 2	PC2	Water Carryover		Yes
Stockpile Fed by Portable Conveyor No. 2	PC2 to SP	Water Carryover		Yes

- [1] This "Facility Description" contains information regarding specific emissions points and was created as a reference for certain other Conditions in this Permit (or Permit Amendment). It is not intended to be a comprehensive list of all air pollution sources at this facility and may not include every minor or fugitive emission source. Future minor modifications or additions at this facility may be exempted from permitting by the Georgia Rules for Air Quality Control and may occur without causing this Attachment to be updated.
- [2] The control device column is intended to identify emission controls. Sources identified as "water carryover" rely on water moisture previously applied by required water sprays; and "wet process" requires saturation of aggregates with water.
- [3] The NSPS column is intended to distinguish between "affected facilities" and "existing facilities" or "exempt facilities". Sources identified as n/a are those types of process equipment not regulated by NSPS Subpart OOO. Hence the NSPS limits do not apply regardless of age.