

**AUTHORIZATION TO DISCHARGE UNDER
THE OKLAHOMA POLLUTANT DISCHARGE ELIMINATION SYSTEM**

PERMIT NUMBER: OK0040762 ID NUMBER: I-03000070

In compliance with the Oklahoma Pollutant Discharge Elimination System (OPDES) Act, 27A O.S. § 2-6-201 *et seq.*, Oklahoma Uniform Environmental Permitting Act, 27A O.S. § 2-14-101 *et seq.*, and the rules of the Oklahoma Department of Environmental Quality promulgated thereunder,

Amrize South Central Inc. – Stringtown Crusher
15900 Dooley Rd.
Addison, TX 75001

is authorized to discharge from their facility, located in the:

Sections 9, 10, and 16, Township 1S, Range 12EIM
Atoka County, Oklahoma
or at 100 E. Reba McEntire Ave., Stringtown, OK 74569

to receiving waters identified as: Unnamed tributary of Atoka Reservoir (WBID 410400080020) in stream segment 410400 of the Lower Red River Basin,

from: Outfall 001:
Latitude 34.47656°, Longitude -96.04974° (GPS: NAD83)
SE¼, SE¼, SW¼, Section 9, Township 1S, Range 12EIM,
Atoka County, Oklahoma

Outfall 003:
Latitude 34.48185°, Longitude -96.04900° (GPS: NAD83)
NW¼, NW¼, SE¼, Section 9, Township 1S, Range 12EIM,
Atoka County, Oklahoma

and to receiving waters identified as: Unnamed tributary of North Boggy Creek (WBID 410400050415) in stream segment 410400 of the Lower Red River Basin,

from: Outfall 002:
Latitude 34.46942°, Longitude -96.05335° (GPS: NAD83)
SW¼, SE¼, NW¼, Section 16, Township 1S, Range 12EIM,
Atoka County, Oklahoma

in accordance with effluent limitations, monitoring requirements, and other conditions set forth in Parts I, II, and III, hereof.

The above referenced facility is also authorized to retain wastewater in two flow-through surface impoundments (F01 and F02) and three total retention surface impoundments (T02, T03, and T04), as described in the Appendix. Surface impoundments shall be maintained in accordance with Parts I, II, and IV, hereof.

Issuance of this permit in no way or in any respect affects the permittee's civil or criminal responsibility regarding disposal and/or discharges of wastewater, except with respect to the permittee's legal responsibility under the OPDES Act and Department Rules.

This permit replaces and supersedes the previous permit issued on October 27, 2020.

The issuance date of this permit is -----.

This permit shall become effective -----.

This permit and authorization to discharge shall expire at midnight -----.

For the Oklahoma Department of Environmental Quality:

Carol Paden, P.E., Manager
Industrial Permits Section
Water Quality Division

George Russell IV, Director
Water Quality Division

PART I
EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

SECTION A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

1. Effluent Limitations and Monitoring Requirements for Outfall 001

During the period beginning on the effective date and lasting through the expiration date, the permittee is authorized to discharge from Outfall 001. The discharge consists of wastewater from rock washing and stormwater runoff.

Such discharge shall be limited and monitored by the permittee as specified below:

Effluent Limitations – Outfall 001

PARAMETERS	DISCHARGE LIMITATIONS			
	MASS LOADING LIMITS (lbs/day unless otherwise specified)		CONCENTRATION LIMITS (mg/L unless otherwise specified)	
	MONTHLY AVERAGE	DAILY MAXIMUM	MONTHLY AVERAGE	DAILY MAXIMUM
Flow STORET: 50050	Report (mgd) ⁽¹⁾	0.07 ^{(1), (2)}	---	---
Total Suspended Solid (TSS) STORET: 00530	---	---	Report	45
Sulfate STORET: 00945	---	---	---	Report
Total Dissolved Solids (TDS) STORET: 70300	---	---	---	Report
pH STORET: 00400	---	---	between 6.5 and 9.0 s.u.	

⁽¹⁾ Million gallons per day.

⁽²⁾ See Part II.H for conditions relating to the Best Management Practices plan.

Monitoring Requirements – Outfall 001

PARAMETERS	MEASUREMENT FREQUENCY ⁽¹⁾	SAMPLE TYPE
Flow	1/month	Estimate
Total Suspended Solids	1/month	Grab
Sulfate	1/month	Grab
Total Dissolved Solids	1/month	Grab
pH	1/month	Grab

⁽¹⁾ When discharging.

NOTE: See Parts II and III for Additional Requirements.

There shall be no discharge of a visible sheen of oil or globules of oil or grease on or in the water. Oil and grease shall not be present in quantities that adhere to stream banks and coat bottoms of watercourses.

Surface waters of the State shall be maintained free from oil and grease and taste and odors.

There shall be no discharge of floating solids or visible foam in other than trace amounts.

The discharge shall not contain chemical, physical, or biological substances in concentrations that are irritating to skin or sense organs or are toxic or cause illness upon ingestion by human beings.

Samples for Outfall 001 taken in compliance with the monitoring requirements specified above shall be taken at the following location:

Outfall 001: At the outlet from surface impoundment F01 and prior to entering the unnamed tributary of Atoka Reservoir, in the SE¼, SE¼, SW¼, Section 9, Township 1S, Range 12EIM, Atoka County, or at Latitude 34.47656°, Longitude -96.04974° (GPS: NAD83).

2. Effluent Limitations and Monitoring Requirements for Outfall 002

During the period beginning on the effective date and lasting through the expiration date, the permittee is authorized to discharge from Outfall 002. The discharge consists of wastewater from rock washing and stormwater runoff.

Such discharge shall be limited and monitored by the permittee as specified below:

Effluent Limitations – Outfall 002

PARAMETERS	DISCHARGE LIMITATIONS			
	MASS LOADING LIMITS (lbs/day unless otherwise specified)		CONCENTRATION LIMITS (mg/L unless otherwise specified)	
	MONTHLY AVERAGE	DAILY MAXIMUM	MONTHLY AVERAGE	DAILY MAXIMUM
Flow STORET: 50050	Report (mgd) ⁽¹⁾	Report (mgd) ⁽¹⁾	---	---
Total Suspended Solid (TSS) STORET: 00530	---	---	Report	45
Sulfate STORET: 00945	---	---	---	Report
Total Dissolved Solids (TDS) STORET: 70300	---	---	---	Report
pH STORET: 00400	---	---	between 6.5 and 9.0 s.u.	

⁽¹⁾ Million gallons per day.

Monitoring Requirements – Outfall 002

PARAMETERS	MEASUREMENT FREQUENCY ⁽¹⁾	SAMPLE TYPE
Flow	1/month	Estimate
Total Suspended Solids	1/month	Grab
Sulfate	1/month	Grab
Total Dissolved Solids	1/month	Grab
pH	1/month	Grab

⁽¹⁾ When discharging.

NOTE: See Parts II and III for Additional Requirements.

There shall be no discharge of a visible sheen of oil or globules of oil or grease on or in the water. Oil and grease shall not be present in quantities that adhere to stream banks and coat bottoms of watercourses.

Surface waters of the State shall be maintained free from oil and grease and taste and odors.

There shall be no discharge of floating solids or visible foam in other than trace amounts.

The discharge shall not contain chemical, physical, or biological substances in concentrations that are irritating to skin or sense organs or are toxic or cause illness upon ingestion by human beings.

Samples for Outfall 002 taken in compliance with the monitoring requirements specified above shall be taken at the following location:

Outfall 002: At the weir in the ditch east of the railroad track near where Reba McEntire Ave. crosses the ditch, in the SW¼, SE¼, NW¼, Section 16, Township 1S, Range 12EIM, Atoka County, or at Latitude 34.46942°, Longitude -96.05335° (GPS: NAD83).

3. Effluent Limitations and Monitoring Requirements for Outfall 003

During the period beginning on the effective date and lasting through the expiration date, the permittee is authorized to discharge from Outfall 003. The discharge consists of wastewater from rock washing and stormwater runoff.

Such discharge shall be limited and monitored by the permittee as specified below:

Effluent Limitations – Outfall 003

PARAMETERS	DISCHARGE LIMITATIONS			
	MASS LOADING LIMITS (lbs/day unless otherwise specified)		CONCENTRATION LIMITS (mg/L unless otherwise specified)	
	MONTHLY AVERAGE	DAILY MAXIMUM	MONTHLY AVERAGE	DAILY MAXIMUM
Flow STORET: 50050	Report (mgd) ⁽¹⁾	Report (mgd) ⁽¹⁾	---	---
Total Suspended Solid (TSS) STORET: 00530	---	---	Report	45
pH STORET: 00400	---	---	between 6.5 and 9.0 s.u.	

⁽¹⁾ Million gallons per day.

Monitoring Requirements – Outfall 003

PARAMETERS	MEASUREMENT FREQUENCY ⁽¹⁾	SAMPLE TYPE
Flow	1/month	Estimate
Total Suspended Solids	1/month	Grab
pH	1/month	Grab

⁽¹⁾ When discharging.

NOTE: See Parts II and III for Additional Requirements.

There shall be no discharge of a visible sheen of oil or globules of oil or grease on or in the water. Oil and grease shall not be present in quantities that adhere to stream banks and coat bottoms of watercourses.

Surface waters of the State shall be maintained free from oil and grease and taste and odors.

There shall be no discharge of floating solids or visible foam in other than trace amounts.

The discharge shall not contain chemical, physical, or biological substances in concentrations that are irritating to skin or sense organs or are toxic or cause illness upon ingestion by human beings.

Samples for Outfall 003 taken in compliance with the monitoring requirements specified above shall be taken at the following location:

Outfall 003: North of the railroad car maintenance area, in the NW¼, NW¼, SE¼, Section 9, Township 1S, Range 12EIM, Atoka County, or at Latitude 34.48185°, Longitude -96.04900° (GPS: NAD83).

SECTION B. SCHEDULE OF COMPLIANCE

The permittee shall achieve compliance with the effluent limitations specified for discharges in accordance with the following schedule: None.

SECTION C. REPORTING OF MONITORING RESULTS

Monitoring results shall be reported in accordance with the provisions of Part III, Section E(4) of the permit. Monitoring results obtained during the previous month shall be summarized and electronically reported on an electronic Discharge Monitoring Report (eDMR) form due to the Oklahoma Department of Environmental Quality, Water Quality Division, Wastewater Compliance Tracking Section no later than the 15th day of the month following the completed monthly test. If no discharge occurs during the reporting period, an eDMR form stating "No Discharge" shall be electronically submitted according to the above schedule. Instructions on how to register as a "Preparer" or "Signatory" for eDMRs, as well as how to prepare and submit eDMRs, can be found on DEQ's website at <https://oklahoma.gov/deq/divisions/water-quality/wastewater-stormwater/electronic-reporting.html>. Assistance is also available by contacting DEQ at (405) 702-8100 or deqreporting@deq.ok.gov.

The first report is due on _____.

PART II OTHER PERMIT REQUIREMENTS

A. REGULATORY NOTICE

The permittee is hereby given notice that this permit is in all respects subject to compliance with and actions under any and all applicable and relevant terms, conditions, provisions and requirements, and any and all amendments of the laws of the state of Oklahoma, the rules of the Oklahoma Department of Environmental Quality, and Oklahoma's Water Quality Standards. The absence of any express reference within this permit of any particular statutory requirement, rule(s), regulation(s), or standard(s) shall in no respect be deemed or construed to exempt or preclude the application of such requirement, rule(s), regulation(s), or standard(s) to this permit or the permittee. By the Director's approval, grant and issuance of this permit, permittee acknowledges receipt of true, correct, and current copies of Oklahoma's Water Quality Standards, and the rules of the Oklahoma Department of Environmental Quality.

B. REOPENER CLAUSE

This permit may be reopened for modification or revocation and reissuance to require additional monitoring and/or effluent limitations where actual or potential exceedances of state water quality criteria are determined to be the result of the permittee's discharge to the receiving water(s), or a Total Maximum Daily Load is established for the receiving stream(s), or when required as technology advances. Modification or revocation and reissuance of the permit shall follow regulations listed at 40 C.F.R. § 124.5.

C. LABORATORY ACCREDITATION

All laboratory analyses for the parameters specified in this permit must be performed by a laboratory accredited by the Oklahoma Department of Environmental Quality for those parameters.

D. ANALYTICAL REQUIREMENTS

Unless otherwise specified in this permit, effluent and/or upstream monitoring shall be conducted according to analytical, apparatus and materials, sample collection, preservation, handling, etc., procedures listed in 40 C.F.R. Part 136. Appendices A, B, and C to 40 C.F.R. Part 136 are specifically referenced as part of this requirement. Amendments to 40 C.F.R. Part 136 promulgated and incorporated by reference in OAC 252:606-1-3(b)(7) after the effective date of this permit shall supersede these requirements as applicable.

E. MINIMUM QUANTIFICATION LEVEL (MQL)

If any individual analytical test result taken for compliance with this permit is less than the corresponding minimum quantification level listed in OAC 252:606 Appendix H, a value of zero (0) may be used for that individual result for the DMR calculations and reporting requirements.

F. SURFACE IMPOUNDMENT REQUIREMENTS

A minimum freeboard of three (3) feet for all surface impoundments shall be maintained.

The permit may be reopened to implement and/or require impoundment modifications, additions, extensions, and/or operational changes; additional monitoring and reporting (including but not necessarily limited to soil sampling); reclassification of wastes; sludge management plans; best management practices; closure plans; remediation and/or remediation plans; monitoring wells and/or subsurface monitoring plans; and/or other appropriate actions.

At such time as any of the surface impoundments are to be permanently taken out of service or at such time as the contents of any of the impoundments pose a risk to the environment or waters of the state, the owner or operator of the facility shall follow all closure requirements contained in OAC 252:616-13.

In all other respects, the surface impoundments shall be subject to standard conditions for surface impoundment contained in OAC 252:616, Subchapters 5, 7, and 13, including but not limited to requirements for construction, operation, maintenance, monitoring, and closure.

G. LAND APPLICATION

Not Applicable

H. BEST MANAGEMENT PRACTICES PLAN

The permittee shall develop and implement a Best Management Practices (BMPs) plan to control the amount of sulfate and total dissolved solids (TDS) discharged at Outfall 001. The plan shall, at a minimum, detail the methods the facility will use to minimize the amount of water discharged through Outfall 001 in any given day, with the goal of never discharging more than 70,000 gallons in a day (0.07 mgd).

In the event that more than 70,000 gallons is discharged in a day, the circumstances leading to the high discharge volume (e.g. extreme rainfall) shall be documented in the DMR comments section.

The BMP plan shall be kept on-site and made available to DEQ personnel upon request.

I. OTHER DISPOSAL METHODS

Solids, sludges, filter backwash, or other pollutants removed in the course of treatment or control of wastewater shall be disposed of at a state approved industrial waste disposal site or to a company for recycling.

If any such industrial wastes are removed from the facility, the permittee shall keep accurate records which include the following information:

- a. Name and address of company hauling waste;
- b. The type and amount of waste hauled; and
- c. The final disposal site of waste hauled.

Upon request, the above records shall be made available to the staff of DEQ for inspection, review, and copying.

APPENDIX

Description of Wastewater Treatment/Disposal Surface Impoundments (S.I.s)

Classification OAC 252:616-1-2		Liner Requirements OAC 252:616-7-2(b)	Holding Capacity and/or Dimensions OAC 252:616-7-1(6) ⁽²⁾	Wastewater Destination
S.I. ⁽¹⁾	Wastewater			
F01	Wastewater from rock washing and stormwater – Class III	Excavated rock	Approx. 72,000 gallons 60' x 150' x 8'	Outfall 001 and T03
F02	Wastewater from rock washing and stormwater – Class III	Excavated rock	Unknown (quarry pit) Approx. 400' x 1,100'	T04 and reuse
T02	Wastewater from rock washing and stormwater – Class III	Excavated rock	Unknown (quarry pit) Approx. 300' x 1,600'	F02 and reuse
T03	Wastewater from rock washing and stormwater – Class III	Excavated rock	Unknown (quarry pit) Approx. 350' x 950'	T04 and reuse
T04	Wastewater from rock washing and stormwater – Class III	Excavated rock	Unknown (quarry pit) Approx. 220' x 3,000	Total retention and reuse

⁽¹⁾ Designation F refers to a flow-through surface impoundment.

⁽²⁾ Based on information provided in application. Freeboard requirements in Part I.D.5 must be met.

Location of Surface Impoundments

S.I.	Legal Location	General Location and Description
F01	SW¼, SW¼, SE¼, Section 9, Township 1S, Range 12EIM, Atoka County, Oklahoma	Northwest of rock washing & screening plant
F02	SW¼, NW¼, NE¼, Section 16, Township 1S, Range 12EIM, Atoka County, Oklahoma	Southeast of rock washing & screening plant
T02	E½, SE¼, NW¼ & N½, SW¼, NE¼, Section 16, Township 1S, Range 12EIM, Atoka County, Oklahoma	Southeast of mine management area and south of F02
T03	SW¼, SW¼, SE¼, Section 9, Township 1S, Range 12EIM, Atoka County, Oklahoma	Northeast of rock washing & screening plant and north of F02
T04	SW¼, SW¼, SE¼, Section 16, Township 1S, Range 12EIM, Atoka County, Oklahoma	East of rock washing & screening plant and northeast of F02

