

**PERMIT AMENDMENT NO. 3295-303-0021-S-03-1**  
**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. **3295-303-0021-S-03-0** issued on June 22, 2010, to:

**Facility Name:** Kentucky-Tennessee Clay Company – Plants 53/54  
**Facility Address:** 3597 Deepstep Road  
Sandersville, Georgia 31082 (Washington County)  
**Mailing Address:** 618 Kaolin Road  
Sandersville, Georgia 31082  
**Facility AIRS Number:** 04-13-303-00021

for the following: The construction and operation of a kaolin clay processing plant and associated air pollution control equipment.

This Permit is hereby amended as follows: Upgrade Cage Mill Dryer (D2) burner to a 16 MMBTU/hr burner, Removal of No. 2 Raymond Mill Rejects/Fugitives (P2), Baggers 11A and 11B (B11) and No. 2 fuel oil usage by combustion units at the facility and all permit conditions related to use of No. 2 fuel oil at the facility.

Reason for Amendment: Application No. 29207 dated February 14, 2024.

This Permit is further subject to and conditioned upon the terms, conditions, limitations, standards, or schedules contained in or specified on the attached **4** page(s).

This Permit Amendment is hereby made a part of Permit No. 3295-303-0021-S-03-0 and compliance herewith is hereby ordered. Except as amended hereby, the above referenced Permit remains in full force and effect.



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Jeffrey W. Cown, Director  
Environmental Protection Division

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**Amended Attachment A <sup>1</sup>**  
Kentucky-Tennessee Clay Company - Plant No. 53  
Deepstep Road, Sandersville, Georgia

Process	Source Code	Control Equipment	Control Equipment Source Code	Stack Code	NSPS
<b><i>Rotary Dryer System</i></b>					
Rotary Dryer	D1	Cyclone & 2 Baghouses	CD1-A CD1-B	SD1	Yes
<b><i>No. 1 Raymond Mill System</i></b>					
Feed Bucket Elevator	-	-	-	-	No
No. 1 Raymond Mill Feed Bin	H1	None	-	SH1	No
No. 1 Raymond Mill with dryer	M1	Cyclone & Baghouse	CM1	SM1	Yes
No. 1 Raymond Mill fugitives	P1	Baghouse	CF1	SF1	Yes
Product Bucket Elevator	-	-	-	-	No
<b><i>Cage Mill Dryer System</i></b>					
Overhead Belt Conveyor	-	-	-	-	No
Cage Mill Feed Bin	-	-	-	-	No
Cage Mill Dryer	D2	Cyclone & Baghouse	CD2	SD2	No
<b><i>No. 2 Raymond Mill System</i></b>					
No. 2 Raymond Mill Feed Bin	H2	Baghouse	CH2	SH2	No
No. 2 Raymond Mill with dryer	M2	Cyclone & Baghouse	CM2	SM2	Yes
Silos No. 4 & 5 Fugitives	P3	Baghouse	CF2	SF2	Yes

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Process	Source Code	Control Equipment	Control Equipment Source Code	Stack Code	NSPS
<b><i>Storage and Loading - Main Process Building System</i></b>					
Silo No. 4	S4	Baghouse	CS4	SS4	No
Silo No. 5	S5	Baghouse	CS5	SS5	No
Railcar Bulk Loadout No. 1	L1	Baghouse	CF2	SF2	No
Reject Silo No. 1	R1	Baghouse	CR1	SR1	Yes
Plant Vacuum System	-	-	-	-	No
<b><i>Storage and Loading - Bagging Warehouse Building System</i></b>					
Silo No. 6	S6	Baghouse	CS6	SS6	No
Silo No. 7	S7	Baghouse	CS6	SS6	No
Silo No. 9	S9	Baghouse	CS6	SS6	No
Silo No. 10	S10	Baghouse	CS6	SS6	No
Silo No. 11	S11	Baghouse	CS11	SS11	Yes
Silo No. 12	S12	Baghouse	CS12	SS12	Yes
Silo No. 13	S13	Baghouse	CS13	S13	Yes
Railcar Bulk Loadout No. 2	L2	Baghouse	CS6	SS6	No
Silo No. 11, 12 Truck Loadout	L3	Baghouse	CS12	SS12	Yes
Silo No. 13 Truck Loadout	L4	Baghouse	CS13	SS13	Yes
50 Pound Baggers	B1	Baghouse	CB2	SB2	No
50 Pound Baggers Palletizer	B4	Baghouse	CB1	SB1	No
Bulk Bagger No. 1	B2	Baghouse	CB3	SB3	Yes
Bulk Bagger No. 2	B3	Baghouse	CB3	SB3	Yes
<b><i>No. 3 Williams Mill System</i></b>					
No. 3 Williams Mill with Dryer	M3	Cyclone & Baghouse	CM3	SM3	Yes
Silo No. 15	S15	Baghouse	CS15	SS15	Yes
Silo No. 15 Railcar Loadout	L6	Baghouse	CS15	SS15	Yes
Reject Silo No. 2	R2	Baghouse	CR2	SR2	Yes
Slicer/Conveyor	SL01	----	----		Yes

<sup>1</sup> This attachment contains information regarding specific emissions points and was created as a reference for certain other conditions in this permit. 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.

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Amended Conditions

**2. Allowable Emissions**

- 2.1 The Permittee shall not discharge or cause the discharge into the atmosphere emissions of particulate matter (PM) in excess of the following:  
 [Avoidance of 40 CFR Part 70]

Process Name	Emission Unit ID	Control Device ID	Stack Code	Minimum Stack Height (feet)	Emission Limit (grains/dscf)
Rotary Dryer	D1	CD1-A CD1-B	SD1	40	0.020
No. 1 Raymond Mill Feed Bin	H1	---	SH1	---	0.022
No. 1 Raymond Mill with Dryer	M1	CM1	SM1	34*	0.022
No. 1 Raymond Mill Fugitives	P1	CF1	SF1	36*	0.022
Cage Mill Dryer	D2	CD2	SD2	8*	0.020
No. 2 Raymond Mill Feed Bin	H2	CH2	SH2	40*	0.022
No. 2 Raymond Mill with Dryer	M2	CM2	SM2	45	0.020
Silos 4 and 5 Fugitives and Railcar Bulk Loadout No. 1	P3 and L1	CF2	SF2	33*	0.022
Silo No. 4	S4	CS4	SS4	52*	0.022
Silo No. 5	S5	CS5	SS5	52*	0.022
Reject Silo No. 1	R1	CR1	SR1	65	0.022
Silo Nos. 6, 7, 9, 10 and Railcar Bulk Loadout No. 2	S6, S7, S9, S10 and L2	CS6	SS6	57*	0.022
Silo No. 11	S11	CS11	SS11	88*	0.022
Silo No. 12 and Silos No. 11 and 12 Bulk Loadout	S12 and L3	CS12	SS12	88*	0.022
Silo No. 13 and Silo No. 13 Bulk Loadout	S13 and L4	CS13	SS13	88*	0.022
50 Pound Baggers	B1	CB2	SB2	43*	0.022
50 Pound Bagger Palletizer	B4	CB1	SB1	43*	0.022
Bulk Bagger No. 1 and Bulk Bagger No. 2 and Low Residue Bagger	B2 and B3	CB3	SB3	15*	0.022
No. 3 Williams Mill with Dryer	M3	CM3	SM3	54*	0.020
Silo No. 15 and Silo No. 15 Railcar Loadout	S15 and L6	CS15	SS15	88*	0.022
Reject Silo No. 2	R2	CR2	SR2	65	0.022

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- 2.2 The Permittee shall ensure that each stack listed in the table in condition 2.1 meets the minimum stack height listed. All stacks marked with an asterisk shall have a vertical discharge direction.
- 2.3 Condition deleted.
- 2.5 The Permittee shall comply with the provisions of the 40 CFR Part 60 Subpart UUU "Standards of Performance for Calciners and Dryers in Mineral Industries." The provisions apply to the Rotary Dryer (D1), which uses two baghouses (CD1-A and CD1-B) for control of particulate matter emissions and vents through one stack (SD1) **and Cage Mill Dryer (D2) using a baghouse CD2 and vents through stack (SD2).**

Fugitive emissions shall not exhibit greater than 20 percent opacity.

Stack emissions shall not:

- a. Contain particulate matter in excess of 0.057 g/dscm (0.025 grains/dscf).
- b. Exhibit greater than 10 percent opacity.

**3. Fugitive Emissions**

- 3.1 The Permittee shall take all reasonable precautions with any operation, process, handling, transportation, or storage facilities to prevent fugitive emissions of air contaminants. **Fugitive emission opacity shall not exceed 20% opacity unless otherwise limited by more stringent regulations.**

**7. Notifications, Reporting and Record Keeping Requirements**

- 7.3 Condition deleted.
- 7.4 Condition deleted.