

TENNESSEE AIR POLLUTION CONTROL BOARD
DEPARTMENT OF ENVIRONMENT AND CONSERVATION
NASHVILLE, TENNESSEE 37243-1531



Permit to Construct or Modify an Air Contaminant Source Issued Pursuant to Tennessee Air Quality Act

Date Issued: MAY 31 2006

Permit Number:
958798P

Date Expires: December 1, 2006

Issued To:

O-N Minerals (Luttrell) Company

Installation Address:

486 Clinch Valley Road
Luttrell

Installation Description:

Tertiary Roller Mill (RM004) Grinding &
Dryer Operation with Baghouse Control
Modification: using #2 Fuel Oil or
Recycled Fuel Oil as Fuel

Emission Source Reference No.

87-0023-05

The holder of this permit shall comply with the conditions contained in this permit as well as all applicable provisions of the Tennessee Air Pollution Control Regulations.

CONDITIONS:

1. The application that was utilized in the preparation of this permit is dated December 20, 2005 and signed by Erin L. Laine, EHS Coordinator of the permitted facility. If this person terminates employment or is reassigned different duties and is no longer the responsible person to represent and bind the facility in environmental permitting affairs, the owner or operator of this air contaminant source shall notify the Technical Secretary of the change. Said notification shall be in writing and submitted within thirty (30) days of the change. The notification shall include the name and title of the new person assigned by the source owner or operator to represent and bind the facility in environmental permitting affairs. All representations, agreement to terms and conditions and covenants made by the former responsible person that were used in the establishment of limiting permit conditions on this permit will continue to be binding on the facility until such time that a revision to this permit is obtained that would change said representations, agreements and covenants.

(conditions continued on the next page)

Garry R. Stephens
TECHNICAL SECRETARY

No Authority is Granted by this Permit to Operate, Construct, or Maintain any Installation in Violation of any Law, Statute, Code, Ordinance, Rule, or Regulation of the State of Tennessee or any of its Political Subdivisions.

NON-TRANSFERABLE

POST OR FILE AT INSTALLATION ADDRESS

2. The maximum material input rate shall not exceed 60.0 tons per hour, on a daily average basis.
3. The maximum total heat input capacity for this source shall not exceed 12,000,000 British Thermal Units per hour (12.00 MMBtu/hr).
4. Particulate matter (TSP) emitted from this source shall not exceed 0.6 pounds per hour. This emission limitation is established pursuant to Rule 1200-3-7-.01(5) of the Tennessee Air Pollution Control Regulations and information contained in the agreement letter dated January 30, 2004 from the permittee.

Compliance Method: This process shall not operate without the use of filter control. A record of inspections and dates on which filters are replaced shall be maintained at the source location and kept available for inspection by the Technical Secretary or his representative. This record shall be retained for a period of not less than two (2) years.

5. Sulfur dioxide (SO₂) emitted from this source shall not exceed 6.8 pounds per hour. TAPCR 1200-3-14-.03(5).
6. Carbon monoxide (CO) emitted from this source shall not exceed 0.43 pounds per hour. TAPCR 1200-3-7-.07(2).
7. Volatile organic compounds (VOCs) emitted from this source shall not exceed 0.11 pounds per hour. TAPCR 1200-3-7-.07(2).
8. Nitrogen oxides (NO_x) emitted from this source shall not exceed 4.8 pounds per hour. TAPCR 1200-3-7-.07(2).
9. Visible emissions from all stacks and non-stack points at this source except baghouse (RM004) shall not exhibit greater than fifteen (15) percent opacity, except for one (1) six-minute period in any one (1) hour period and for no more than four (4) six-minute periods in any twenty-four (24) hour period. Visible emissions from this source shall be determined by EPA Method 9, as published in the current 40 CFR 60, Appendix A (six-minute average). TAPCR 1200-3-5-.03(6) and TAPCR 1200-3-5-.01(1)
10. Visible emissions from baghouse (RM004) shall not exhibit greater than ten (10) percent opacity, except for one (1) six-minute period in any one (1) hour period and for no more than four (4) six-minute periods in any twenty-four (24) hour period. Visible emissions from this source shall be determined by EPA Method 9, as published in the current 40 CFR 60, Appendix A (six-minute average). TAPCR 1200-3-5-.03(6) and TAPCR 1200-3-5-.01(1)
11. All plant roadways shall be surfaced and treated with water or water/chemical combination to suppress their dust generation potential. Fugitive emissions from all plant roadways shall not exceed ten (10) percent opacity utilizing Tennessee Visible Emission Evaluation (TVEE) Method 1, as amended by the Air Pollution Control Board, August 24, 1984.
12. Routine maintenance, as required to maintain specified emission limits, shall be performed on the air pollution control devices. Maintenance records shall be recorded in a suitable permanent form and kept available for inspection by the Division.
13. Upon malfunction/failure of any emission control device serving this source, the operation of the process served by the device shall be regulated by Chapter 1200-3-20 of the Tennessee Air Pollution Control Regulations.

14. Collected dust particles shall be returned to the processing circuits or wetted prior to disposal such that the visible emissions shall not exhibit greater than fifteen (15) percent opacity, except for one (1) six-minute period in any one (1) hour period and for no more than four (4) six-minute periods in any twenty-four (24) hour period. Visible emissions from this source shall be determined by EPA Method 9, as published in the current 40 CFR 60, Appendix A (six-minute average). TAPCR 1200-3-5-.03(6) and TAPCR 1200-3-5-.01(1)
15. Only #2 fuel oil or recycled fuel oil shall be used as fuel for this source.
16. The maximum fuel usage for this source shall not exceed 86.6 gallons per hour on a daily average basis.
17. The sulfur content of the fuel shall not exceed 0.5 percent by weight.
18. A written statement by the vendor, on an annual basis, guaranteeing in advance that the fuel oil sulfur content limit will not be exceeded or the sulfur content analysis for each shipment of fuel oil shall be provided. These records must be kept available for inspection by the Technical Secretary or his designated representative. These records must be retained for a period of not less than two (2) years.
19. A log of the material input rate and fuel usage, in a form that readily shows compliance with Conditions 2 and 16, must be maintained at the source location and kept available for inspection by the Technical Secretary or his representative. This log must be retained for a period of not less than two years.
20. Compliance with the emission limit in **Conditions 5, 6, 7 and 8** is based on compliance with **Conditions 15 and 16** of this permit and AP-42, Chapter 1, Section 3, emission factors.
21. The issuance of this permit supercedes any previously issued permits for this air contaminant source.
22. This permit shall serve as a temporary operating permit from the modified start-up date to the receipt of a standard operating permit provided an operating permit is applied for within thirty (30) days of the modified start-up date and the conditions of this permit and any applicable emission standards are met.
23. Record keeping requirements for this source, including all data and calculations, must be updated and maintained no later than seven (7) days from the end of the day for which the data is required.

24. The permittee shall certify the start-up date of the modified air contaminant source regulated by this permit by submitting

A COPY OF ALL PAGES OF THIS PERMIT,
with the information required in A) and B) of this condition completed, to the
Technical Secretary's representatives listed below:

A) DATE OF Modified START-UP: ____ / ____ / ____
month day Year

B) Anticipated operating rate: ____ percent of maximum rated capacity

For the purpose of complying with this condition, "start-up" of the modified air contaminant source shall be the date of the setting in operation of the modified source for the production of product for sale or use as raw materials or steam or heat production.

The undersigned represents that he/she has the full authority to represent and bind the permittee in environmental permitting affairs. The undersigned further represents that the above provided information is true to the best of his/her knowledge and belief.

Signature		Date
Signer's name (type or print)	Title	Phone (with area code)

Note: This certification is not an application for an operating permit. At a minimum, the appropriate application form(s) must be submitted requesting an operating permit. The application must be submitted in accordance with the requirements of this permit.

The completed certification shall be delivered to the Compliance Validation Program and the Environmental Field Office at the addresses listed below, no later than thirty (30) days after the modified air contaminant source is started-up.

Compliance Validation Program
Division of Air Pollution Control
9th Floor, L & C Annex
401 Church Street
Nashville, TN 37243-1531

Knoxville Environmental Field Office
Division of Air Pollution Control
2700 Middlebrook Pike
Knoxville, TN 37921

(End of Conditions)

The permit application gives the location of this source as 4012 UTM vertical; 255.9 UTM horizontal.

Emission Summary

Permit No. 958798P

Source Status: New__ Modification X Expansion__ Relocation__ Permit Status: New__ Renewal__
 PSD__ NSPS__ NESHAPS__ Previous Permit No.: Construction 957098P Operating__

	Pounds/Hour			Tons/Year				Date Data	*	Applicable Standard 1200-3-
	Actual	Potential	Allowable	Actual	Potential	Allowable	Net Change			
TSP	0.27	0.6	0.6	1.2	2.5	2.5	0	5-8-05		7-.01(5)
SO ₂	6.8	6.8	6.8	29.8	29.8	29.8	+0.14	5-8-05		14-.03(5)
CO	0.43	0.43	0.43	1.9	1.9	1.9	0	5-8-05		7-.07(2)
VOC	0.11	0.11	0.11	0.5	0.5	0.5	-0.4	5-8-05		7-.07(2)
NO _x	4.8	4.8	4.8	23.0	23.0	23.0	+15.4	5-8-05		7-.07(2)

* Source of data

ENGINEERING PROGRAM SMB DATE May 8, 2006