

217/782-2113

LIFETIME OPERATING PERMIT - NSPS SOURCE - GENERAL

PERMITTEE

Turris Coal Company  
Attn: Ms. Kayla Primm  
Elkhart Mine Road  
Elkhart, Illinois 62634

Application No.: 83030030  
Applicant's Designation: UG MINE  
Subject: Coal Processing Operation  
Date Issued: August 1, 2000

I.D. No.: 107806AAB  
Date Received: May 1, 2000

Operating Permit Expiration  
Date: See Condition 1.

Location: Elkhart Mine Road, Elkhart

Permit is hereby granted to the above-designated Permittee to OPERATE emission source(s) and/or air pollution control equipment consisting of:

A Coal Processing Operation

pursuant to the above-referenced application. This Permit is subject to standard conditions attached hereto and the following special conditions:

- 1a. This operating permit shall expire 180 days after the Illinois EPA sends a written request for the renewal of this permit.
- b. This permit shall terminate if it is withdrawn or is superseded by a revised permit.
- 2a. This coal processing plant is subject to a New Source Performance Standard (NSPS) for Coal Preparation Plants, 40 CFR 60, Subparts A and Y. The Illinois EPA is administering NSPS in Illinois on behalf of the United States EPA under a delegation agreement.
- b. At all times, the Permittee shall also, to the extent practicable, maintain and operate the coal preparation plant, including associated air pollution control equipment, in a manner consistent with good air pollution control practice for minimizing emissions.
- c. The opacity from the coal processing and conveying equipment, coal storage system, or coal transfer and loading system shall not exceed , pursuant to the New Source Performance Standard.
3. Within 60 days after written notification by the Illinois EPA, the particulate matter concentration in its effluent stream and the opacity of the coal processing operations shall be measured by an approved testing service.
4. Performance tests shall be conducted and data collected in accordance with the test

methods and procedures specified in 40 CFR 60 and 35 Ill. Adm. Code 183.

5. At least thirty (30) days prior to the actual date of testing, a written test plan shall be submitted to the Illinois EPA for review and approval. This plan shall describe the specific procedures for testing including as a minimum:

- a. The person(s) who will be performing sampling and analysis and their experience with similar tests.
- b. The specific conditions under which testing will be performed, including a discussion of why these conditions will be representative of the maximum emissions, the levels of operating parameters at or within which compliance is intended to be shown, if applicable, and the means by which the operating parameters for the process and any control equipment will be determined.
- c. The specific determination of emissions and operations which are intended to be made, including sampling and monitoring locations.
- d. The test method(s) which will be used, with the specific analysis method.
- e. Any minor changes in standard methodology proposed to accommodate the specific circumstances of testing, with justification.
- f. Any proposed use of an alternative test method, with detailed justification.
- g. The format and content of the Source Test Report prior to carrying out these tests, the Illinois EPA shall be notified a minimum of thirty (30) days prior to the scheduled date of these tests with the exact date, time, and place of these tests, to enable the Illinois EPA to witness these tests.

If the scheduled date for the test is changed for unforeseen reasons, the Permittee shall inform the Illinois EPA within five (5) working days of the scheduled test date and must specify the date of the rescheduled test.

A copy of the Final Report(s) for these tests and compliance status shall be submitted to the Illinois EPA within fourteen (14) days after the test results are compiled and finalized, prior to or accompanying the operating permit application. Satisfactory completion of these tests and compliance with the limitations of this permit shall be prerequisite to the issuance of an operating permit.

- h. A statement that the testing will be performed by a qualified independent testing service.
6. The Permittee shall fulfill applicable notification and recordkeeping requirements of the NSPS, 40 CFR 60.7.
7. Emissions and operation of the coal processing plant shall not exceed the following limits:

Shipped Coal Throughput	
<u>(Ton/Month)</u>	<u>(Ton/Year)</u>
750,000	3,000,000

Particulate

<u>Transfer Points</u>	<u>Uncontrolled Emission Rate (Lb/Ton)</u>	<u>Reduction by Moisture (%)</u>	<u>Reduction by Enclosure (%)</u>	<u>Matter Emissions (Tons/Yr)</u>
HAC-Cross Belt	0.20	99	99	0.050
Cross Belt-Raw Belt	0.20	95	99	0.250
Raw Coal Belt-Silo	0.20	95	99	0.240

<u>Transfer Points</u>	<u>Uncontrolled Emission Rate (Lb/Ton)</u>	<u>Reduction by Moisture (%)</u>	<u>Reduction by Enclosure (%)</u>	<u>Particulate Matter Emissions (Tons/Yr)</u>
Raw Silo-Plant Feed	0.20	95	99	0.240
Cross Belt-Stockpile	0.20	95	--	1.000
Stockpile-Reclaim Belt	0.20	95	--	1.000
Reclaim-Plant Feed	0.20	99	--	0.200
Preparation Plant	--	100	--	0.001
Plant-Stoker Silo	0.03	95	99	0.006
Stoker Silo-Trucks	0.03	95	90	0.056
Ash Trucks-Ash Bin #1	20.00	99	99	24.000
Ash Bin-Refuse Belt	--	100	--	0.001
Refuse Belt-Bin	0.20	95	99	0.080
Refuse Bin-Scrapers	0.20	95	--	8.000
Clean Belt-Stacker	0.03	95	--	0.150
Stacker-Clean Stockpile	0.03	95	--	0.150
Clean Stockpile-Reclaim	0.03	--	--	3.000
Reclaim-Clean Coal Belt	0.03	95	--	0.150
Clean Coal Belt-Silo	0.03	95	99	0.017
Silo-Loadout Belt	0.03	95	99	0.017
Loadout Belt-Loadout	0.03	95	99	0.017
Loadout-Trucks	0.03	95	90	0.169
Ash Truck-Ash Bin #2	20.00	99.9	99.9	39.000
Ash Bin/Conditioner-Ash Slurry Mixer/Line	--	100	--	0.001
Ash Bin/Conditioner Trucks/Scrapers	0.20	95	--	0.650
			<u>Total:</u>	78.44 T/yr

These limits are based on the maximum throughput of shipped coal (3 million tons/year) and the emissions data supplied by the applicant. Compliance with annual limits shall be determined from a running total of 12 months of data.

8. The Permittee shall maintain monthly records of the following items:
  - a. Shipped Coal Throughput (ton/month and ton/year).
9. The moisture content of coal processed shall be maintained at a minimum of 4% by weight so as to reduce the emissions of particulate matter.
10. No person shall cause or allow any visible emissions of fugitive particulate matter from any process, including any material handling or storage activity beyond the property line of the emission source, pursuant to 35 Ill. Adm. Code 212.301.
11. It should be noted that during the review of this application it was determined that your source's potential to emit PM<sub>10</sub> is less than the major source triggering level

of 100 ton/year. Therefore, a federally enforceable permit is not required for your source.

12. All records and logs required by this permit shall be retained at a readily accessible location at the source for at least three years from the date of entry and shall be made available for inspection and copying by the Illinois EPA upon request. Any records retained in an electronic format (e.g., computer) shall be

capable of being retrieved and printed on paper during normal source office hours so as to be able to respond to an Illinois EPA request for records during the course of a source inspection.

13. If there is an exceedance of the requirements of this permit as determined by the records required by this permit, the Permittee shall submit a report to the Illinois EPA's Compliance Section in Springfield, Illinois within 30 days after the exceedance. The report shall include the emissions released in accordance with the recordkeeping requirements, a copy of the relevant records, and a description of the exceedance or violation and efforts to reduce emissions and future occurrences.
14. Two (2) copies of required reports and notifications concerning equipment operation or repairs, performance testing or a continuous monitoring system shall be sent to:

Illinois Environmental Protection Agency  
Division of Air Pollution Control  
Compliance Section (#40)  
P.O. Box 19276  
Springfield, Illinois 62794-9276

and one (1) copy shall be sent to the Illinois EPA's regional office at the following address unless otherwise indicated:

Illinois Environmental Protection Agency  
Division of Air Pollution Control  
5415 North University  
Peoria, Illinois 61614

15. Persons with lifetime operating permits must obtain a revised permit for any of the following changes at the source:
  - a. An increase in emissions above the amount the emission unit or the source is permitted to emit;
  - b. A modification;
  - c. A change in operations that will result in the source's noncompliance with conditions in the existing permit; or
  - d. A change in ownership, company name, or address, so that the application or existing permit is not longer accurate.

It should be noted that the fuel storage tanks exempt from state permit requirements, pursuant to 35 Ill. Adm. Code 201.146(n).

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If you have any questions on this, please call Jim Kallmeyer at 217/782-2113.

Donald E. Sutton, P.E.  
Manager, Permit Section  
Division of Air Pollution Control

DES:JDK:jar

cc: Illinois EPA, FOS, Region 2  
Illinois EPA, Compliance Section  
Lotus Notes