

217/782-2113

"REVISED"
FEDERALLY ENFORCEABLE STATE OPERATING PERMIT
NSPS SOURCE

PERMITTEE

Black Beauty Coal Company
Attn: Eric Fry
Post Office Box 312
Evansville, Indiana 47702-0312

<u>Application No.:</u> 95100144	<u>I.D. No.:</u> 183802AAA
<u>Applicant's Designation:</u> RIOLA MINE	<u>Date Received:</u> December 6, 1999
<u>Subject:</u> Coal Mine	
<u>Date Issued:</u> February 2, 2000	<u>Expiration Date:</u> January 23, 2003
<u>Location:</u> 8282 Catlin-Indianola Road, Catlin	

Permit is hereby granted to the above-designated Permittee to OPERATE emission source(s) and/or air pollution control equipment consisting of two (2) screen sets, one (1) rotary breaker, one (1) crusher, wash plant, conveyors, two (2) stackers, stockpiles, coal loading area as described in the above-referenced application. This Permit is subject to standard conditions attached hereto and the following special conditions:

- 1a. This federally enforceable state operating permit is issued to limit the emissions of air pollutants from the source to less than major source thresholds (i.e., 100 tons of particulate matter). As a result the source is excluded from the requirement to obtain a Clean Air Act Permit Program (CAAPP) permit. The maximum emissions of this source, as limited by the conditions of this permit, are described in Attachment A.
- b. Prior to issuance, a draft of this permit has undergone a public notice and comment period.
- c. This permit superseded all operating permits issued for this location.
2. The emissions of Hazardous Air Pollutants (HAPs) as listed in Section 112(b) of the Clean Air Act shall not exceed 10 tons per year of any single HAP or 25 tons per year of any combination of such HAPs, or such lesser quantity as USEPA may establish in rule which would require the Permittee to obtain a CAAPP permit from the Illinois EPA. As a result of this condition, this permit is issued based on the emissions of any HAP from this source not triggering the requirement to obtain a CAAPP permit from the Illinois EPA.
- 3a. This plant is subject to a New Source Performance Standard (NSPS) for coal preparation plant, 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. The opacity from the coal processing and conveying equipment, coal storage systems, coal transfer and loading systems shall not exceed 20% opacity, pursuant to the New Source Performance Standard.
- 4. The Permittee shall at all times, to the extent practicable, maintain and operate emission sources, including associated air pollution control equipment, in a manner consistent with good air pollution control practice for minimizing emissions.
- 5. 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.
- 6a. Operation of the coal plant shall not exceed the following limits:
Coal production: 150,000 tons/month and 1,500,000 tons/year.
- b. These limits define the potential emissions of the coal plant operation and are based on the actual emissions determined from maximum production capacity and standard emission factors.
- c. Compliance with annual limits shall be determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months.
- 7a. The moisture content of the coal processed shall be maintained at least 5.0 percent by weight so as to reduce the emissions of particulate matter.
- b. The Permittee shall maintain records of all moisture content tests performed, including date, and location of sample.
- 8a. Within 90 days of a written request from the Illinois EPA, pursuant to 35 Ill Adm. Code Section 201.282, the emissions and opacity of the rotary breaker shall be measured by a certified smoke reader, during conditions which are representative of the maximum operation. The Illinois EPA may provide additional time for the performance of this testing upon request from the Permittee which shows that it is not feasible to perform representative testing within 90 days.
- b. i. The following methods and procedures shall be used for testing of emissions. Refer to 40 CFR 60, Appendix A for USEPA test methods.

Opacity	USEPA Method 9
Location of Sample Points	USEPA Method 1
- c. Testing shall be performed by a certified smoke reader.

- d. At least 30 days prior to the actual date of testing a written test plan shall be submitted to the Illinois EPA for review and approval. A copy shall also be submitted to the USEPA. This plan shall describe the specific procedures for testing, including:
 - i. The person(s) who will be performing opacity readings and their experience with similar tests.
 - ii. The conditions under which testing will be performed, including a discussion of why these conditions will be representative of the maximum operating rate, 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.
 - e. The Illinois EPA shall be notified prior to these tests to enable the Illinois EPA to observe these tests. Notification for the expected date of testing shall be submitted a minimum of thirty (30) days prior to the expected date. Notification of the actual date and expected time of testing shall be submitted a minimum of five (5) working days prior to the actual date of tests. The Illinois EPA may, at its discretion, accept notification if it interferes with the Illinois EPA's ability to observe testing.
9. The Permittee shall maintain records of the following items:
- a. Coal production: tons/month and tons/year.
 - b. Opacity readings: monthly and yearly average.
10. 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 or USEPA 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 or USEPA request for records during the course of a source inspection.
11. If there is an exceedance of the requirements of this permit as determined by the record 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 record keeping requirements, a copy of the relevant records, and a description of the exceedance or violation and efforts to reduce emissions and future occurrences.

The following special conditions are not federally enforceable:

12. Two copies of the 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
2009 Mall Street
Collinsville, Illinois 62234

13. The Permittee shall maintain operating and maintenance logs for the coal processing control system, including: maintenance activities, with date and description of inspections, repair actions, all control downtime, and equipment.
- 14a. The final report(s) for all tests shall be submitted within 180 days after the date of the test. The final report shall include as a minimum:
 - i. General information describing the test, including the name and identification of the emission source which was tested, facility I.D. and permit/application number, date of the test, names of personnel performing the tests, and Illinois EPA observers, if any;
 - ii. A summary of results;
 - iii. Description of test procedures, including description of sampling points, test equipment, and test schedule;
 - iv. Detailed description of test conditions, including:
 - A. Process information, i.e., process rate (pounds/hour), coal type by name and mining location, and coal particle size range.
 - B. Control equipment information, i.e., equipment condition and operating parameters during testing.
 - v. Data and calculations, including copies of all raw data sheets and records of laboratory analysis, sample calculations, and data on equipment calibration.

- b. Submittals of information shall be made as follows:
- i. Notices of Test - one copy to Compliance Section (#40) and one copy to the Regional Office.
 - ii. Final Report - one copy to the Compliance Section (#40), one copy to the Regional Office, and one copy to the Permit Section.

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Regional Office
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15. The Permittee shall submit the following additional information from the prior calendar year, along with the Annual Emission Report, due May 1 of each year:
- Coal production from the prior calendar year.
16. This permit is issued based on negligible emissions of organic material from fuel storage tanks. For this purpose, emissions are limited to 0.1 lb/hour and 0.44 ton/year.
17. The following Standard Conditions are not federally enforceable: Standard Conditions 3(a), 8, 9, 10, and 11.

It should be noted that this permit has been revised to change the production limits (Condition 6a).

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

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

DES:JDK:jar

cc: Region 3
USEPA Region V
Compliance Section

ATTACHMENT A - EMISSION SUMMARY

This attachment provides a summary of the maximum emissions from the coal processing plant operating in compliance with the requirements of this federally enforceable permit. In preparing this summary, the Illinois EPA used the annual operating scenario which results in maximum emissions from such a plant. The resulting maximum emissions are well below the levels, e.g., 100 tons per year of particulate matter, at which this source would be considered a major source for purposes of the Clean Air Act Permit Program. Actual emissions from this source will be less than predicted in this summary to the extent that less material is handled, and control measures are more effective than required in this permit.

1a. Emissions from the coal processing operations:

<u>Throughput*</u> <u>(Lb/Hr)</u>	<u>Activity</u>	<u>Emission</u> <u>Factor</u>	<u>Wet Coal</u> ¹ <u>(80%)</u>	<u>Controlled</u> <u>(Lb/Hr)</u>	<u>Emissions</u> <u>(T/Yr)</u>
500,000	Prim Crusher	0.16	0.2	8.0	35.0
37,500	Second Crush	0.16	0.2	0.6	2.63
500,000	Stacker A	0.02	0.2	1.0	4.38
500,000	Mat'l Unload	0.02	0.2	1.0	4.38
500,000	Conveyors	0.02	0.2	1.0	4.38
500,000	Stacker B	0.02	0.2	1.0	4.38
500,000	Screens A	0.16	0.2	2.6	11.4
500,000	Screens B	0.16	0.2	2.6	<u>11.4</u>
Emission Unit Total					77.95

* Throughput is based on shipped coal.

¹ Emission reduction efficiency

These tables define the emissions of particulate matter at the coal plant and are based on the actual emissions from maximum production, material balance calculations, and standard emission factors.

b. Particulate Matter Fugitive Emissions

Includes emissions from working storage piles, working refuse piles, wind erosion of storage piles, loadout from storage piles, and plant vehicle traffic: 32.1 tons/year.

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