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**WEST RIDGE
RESOURCES, INC**

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DATE: 6/21/00

TO: Pam G-L

COMPANY: WDOGm

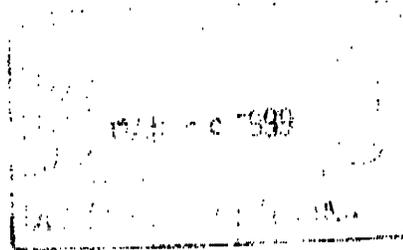
FAX #: _____

FROM: Mike G

TOTAL NUMBER OF PAGES (INCLUDING COVER SHEET): 10

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APPENDIX 4-5

AIR QUALITY APPROVAL ORDER

INCORPORATED
EFFECTIVE:
APR 01 1999
UTAH DIVISION OIL, GAS AND MINING

STATE OF UTAH

Department of Environmental Quality

Division of Air Quality

APPROVAL ORDER FOR A NEW COAL MINE IN C CANYON

**Prepared By: Maung Maung, Engineer
801-536-4153**

APPROVAL NUMBER

DAQE-055-99

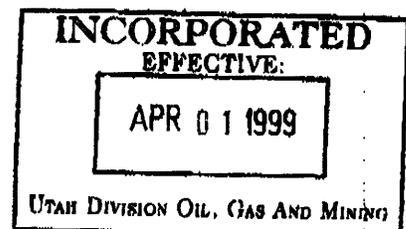
Date: January 14, 1999

Source

West Ridge Resources, Inc.

**David Shaver
435-637-5385**

**Ursula K. Trueman
Executive Secretary
Utah Air Quality Board**



Abstract

West Ridge Resources, Inc. proposes to operate an underground coal mine. West Ridge is located approximately 5 miles northwest of the city of Sunnyside in C Canyon in Carbon County. The mine will produce 3.5 million tons of coal annually. Carbon County is in compliance with the national air quality standards for all pollutants. National Emission Standards for Hazardous Air Pollutants (NESHAP) regulations do not apply to this source. New Source Performance Standards (NSPS) subparts A and OOO regulations apply to this source. Therefore, the source is subject to Title V regulations. The source will be required to use water sprays to fulfill the Best Available Control Technology (BACT) requirements. The emissions, in tons per year, will be as follows: PM₁₀, 5.30; NO_x, 2.87; SO₂, 0.26; CO 1.05; Aldehydes 0.30. A 30-day public comment period was required before granting an Approval Order.

The above-referenced project has been evaluated and found to be consistent with the requirements of the Utah Administrative Code Rule 307 (UAC R307) and the Utah Air Conservation Act. A 30-day public comment period was held and all comments received were evaluated. The conditions of this AO reflect any changes to the proposed conditions which resulted from the evaluation of the comments received. This air quality AO authorizes the project with the following conditions and failure to comply with any of the conditions may constitute a violation of this order:

General Conditions:

1. This AO applies to the following company:

Facility Office
West Ridge Resources, Inc.
West Ridge Mine
P. O. Box 902
Price, Utah 84501
Phone Number: (435) 637-5385
Fax Number: (435) 637-8860

The equipment listed below in this AO shall be operated at the following location:

PLANT LOCATION:

Direction to mine-site: Take I-15 south to the Spanish Fork/State Route (SR) 6 exit. Take SR 6 through Wellington to the Sunnyside Junction exit. Turn left onto SR 123. Travel approximately 3 miles east on SR 123 then left on to the new C Canyon County Road. Travel 7.7 miles onto C Canyon Road which will lead directly to the mine-site.

Universal Transverse Mercator (UTM) Coordinate System:

4,384.517 kilometers Northing; 547.909 kilometers Easting; Zone 12

2. Definitions of terms, abbreviations, and references used in this AO conform to those used in the Utah Administrative Code Rule 307 (UAC R307), and Series 40 of the Code of Federal Regulations (40 CFR). These definitions take precedence, unless specifically defined otherwise herein.

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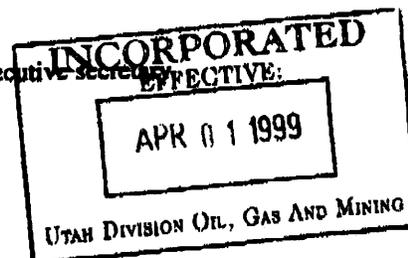
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3. West Ridge Resources, Inc. shall operate the West Ridge underground coal mine according to the terms and conditions of this AO as requested in the Notice of Intent dated August 26, 1998, and additional information submitted to the executive secretary dated September 22, 1998.
4. At least once per calendar year, all employees who operate equipment (operator) that produces and/or controls emissions to the air shall receive proper training as to their responsibilities in operating that equipment according to all relevant conditions of this AO. The training for each operator shall be for all equipment that operator operates. The equipment shall include all of the equipment listed below in Condition # 6 and any other equipment that affects or produces air emissions that the operator operates. Within 60 days of every time this AO is modified or reissued, those employees who operate equipment that produces and/or controls emissions to the air that is affected by the AO changes shall receive proper training as to their responsibilities in operating equipment according to all relevant conditions of this AO. Within 60 days of a new operator being employed or assigned with the job responsibility to operate any of the equipment that produces and/or controls emissions to the air, the new operator shall receive proper training as to their responsibilities in operating the equipment according to all relevant conditions of this AO. Records of operator training shall be made available to the executive secretary or executive secretary's representative upon request and the records shall include the two-year period prior to the date of the request. This AO shall be made available to all employees who operate the equipment listed in this AO.
5. The executive secretary shall be notified in writing upon start-up of the installation, as an initial compliance inspection is required. Eighteen months from the date of this AO the executive secretary shall be notified in writing of the status of construction/installation if construction/installation is not completed. At that time, the executive secretary shall require documentation of the continuous construction/installation of the operation and may revoke the AO in accordance with R307-401-11, UAC. If construction is complete and operation has commenced, a notice is not required on the status of the construction/installation.
6. The approved installations shall consist of the following equipment or equivalent* located at the site:
 - A. Enclosed Screen: Double-deck scalping screen* 8' x 20'
Tabor rated capacity 500 tons/hour
 - B. Enclosed Crusher: Impact Crusher*
Jeffrey 54 FT rated 200 tons/hour
 - C. 54" reclaim conveyor*, 60" slope conveyor* and 48" loadout conveyor*
 - D. Load-out/Storage Bins
 - E. Stockpiles
 - F. Paved and Unpaved Haul Roads
 - G. Front End Loaders
 - H. Haul Trucks

* Equivalency shall be determined by the executive secretary.



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Limitations and Tests Procedures

7. Visible emissions from the following emission points shall not exceed the following values:

- A. Crusher - 15% opacity
- B. Screen - 10% opacity
- C. All conveyor transfer points - 10% opacity
- D. All diesel engines - 20% opacity
- E. Conveyor drop points - 20% opacity
- F. All other points - 20% opacity

Opacity observations of emissions from stationary sources shall be conducted in accordance with 40 CFR 60, Appendix A, Method 9. Visible emissions from intermittent sources shall use procedures similar to Method 9, but the requirement for observations to be made at 15-second intervals over a six-minute period shall not apply. Any time-interval with no visible emissions shall not be included.

8. The following production limits shall not be exceeded without prior approval in accordance with R307-401, UAC:

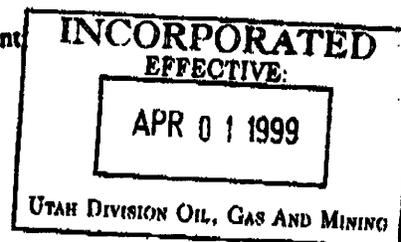
- 3,500,000 tons of coal per rolling 12-month period
- 41,000 gallons of diesel fuel per rolling 12-month period

Compliance with the annual limitation shall be determined on a rolling monthly total. Within the first five days of each month a new 12-month total shall be calculated using the previous 12 months. Records of production shall be kept for all periods when the plant is in operation. Records of production shall be made available to the executive secretary upon request, and shall include a period of two years ending with the date of the request. Production shall be determined by truck scale records. The records of production shall be kept on a daily basis.

Roads and Fugitive Dust

9. All unpaved roads and other unpaved operational areas shall be water sprayed and/or chemically treated to the extent necessary to prevent, as far as practicable, the generation of fugitive dusts as dry conditions warrant or as determined necessary by the executive secretary. Records of treatment shall be made available to the executive secretary upon request and shall include a period of two years prior to the date of request. The length of paved road under the owner/operator's jurisdiction shall be periodically swept or sprayed clean as dry conditions warrant or as determined necessary by the executive secretary. Records of cleaning of paved road shall be made available to the executive secretary upon request and shall include a period of two years prior to the date of request. All records shall include the following items:

- A. Date;
- B. Number of treatments made;
- C. Rainfall received, if any, and approximate amount;
- D. Time of day treatments were made.



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Also, owner/operator of this source who through his/her operations deposit materials which may create fugitive dust on a public or private road is required to clean the road such that fugitive dust as a result of his/her operations is minimized.

10. Visible fugitive dust emissions from haul-road traffic and mobile equipment in operational areas shall not exceed 20% opacity. Visible emissions determinations for traffic sources shall use procedures similar to Method 9. The normal requirement for observations to be made at 15-second intervals over a six-minute period, however, shall not apply. Six points, distributed along the length of the haul road or in the operational area, shall be chosen by the executive secretary or the executive secretary's representative. An opacity reading shall be made at each point when a vehicle passes the selected points. Opacity readings shall be made $\frac{1}{2}$ vehicle length or greater behind the vehicle and at approximately $\frac{1}{2}$ the height of the vehicle or greater. The accumulated six readings shall be averaged for the compliance value.
11. The storage piles shall be watered to minimize generation of fugitive dusts, as dry conditions warrant or as determined necessary by the executive secretary. Records of water and/or chemical treatment shall be kept for all periods when the plant is in operation. Records of water and/or chemical treatment shall be made available to the executive secretary or executive secretary's representative upon request and the records shall include the two-year period prior to the date of the request.
12. The haul road limitations shall be:
 - A. 0.20 miles in length
 - B. 15 miles per hour

These limitations shall not be exceeded without prior approval in accordance with R307-401, UAC. The haul road speed shall be posted.

13. Run of Mine (ROM) coal shall have an average moisture content of no less than 6.0 % by weight. The moisture content shall be tested if directed by the executive secretary using the appropriate American Society of Testing and Methods (ASTM) method. Coal transfer system shall use covered conveyor belts and enclosed transfer points to control fugitive emissions. Crushing and screening operations shall be within an enclosed steel structure. All transfer points within the structure shall also be enclosed.

Fuels

14. The sulfur content of any fuel oil or diesel burned shall not exceed 0.5 percent by weight. Sulfur content shall be decided by ASTM Method D-4294-89, or approved equivalent. The sulfur content shall be tested if directed by the executive secretary.

Federal Limitations and Requirements

15. In addition to the requirements of this AO, all applicable provisions of the Federal New Source Performance Standards (NSPS)¹ Subparts A and OOC, 40 CFR 60.110, 60.111 and 40

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¹ NSPS = New Source Performance Standards.

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CFR 60.670 to 60.676 (Standards of Performance for Nonmetallic Mineral Processing Plants) apply to those equipment listed below. This facility must operate in accordance with the most current version of 40 CFR 60 applicable to this source. The opacity standards shall be determined by conducting observations in accordance with 40 CFR 60.11(b) and 40 CFR 60, Appendix A, Method 9. The observations shall be conducted no later than 180 days after initial startup. It is the responsibility of the owner/operator of the source to supply these observations to the executive secretary within 30 days after completion of the observations. A currently certified observer must be used for these observations. When determining compliance with the fugitive emissions standard for any affected facility described under Sec. 60.672(b) of Subpart OOO, the duration of the Method 9 observations may be reduced from 3 hours (thirty 6-minute averages) to 1 hour (ten 6-minute averages) only if the following conditions apply:

- (i) There are no individual readings greater than 10 percent opacity; and
- (ii) There are no more than 3 readings of 10 percent for the 1-hour period.

When determining compliance with the fugitive emissions standard for any crusher at which a capture system is not used as described under Sec. 60.672(c) of Subpart OOO, the duration of the Method 9 observations may be reduced from 3 hours (thirty 6-minute averages) to 1 hour (ten 6-minute averages) only if the following conditions apply:

- (i) There are no individual readings greater than 15 percent opacity; and
- (ii) There are no more than 3 readings of 15 percent for the 1-hour period.

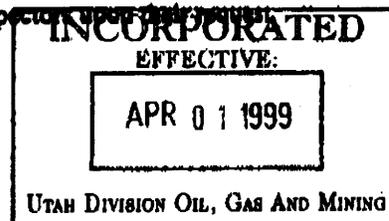
Emission points that are subject to the initial observations are:

- A. Impact Crusher
- B. Double-deck scalping screen
- C. All conveyor transfer points

If the initial compliance opacity observations have been performed for these points, a repeat of the observations is not required.

Records & Miscellaneous

16. All installations and facilities authorized by this AO shall be adequately and properly maintained. All pollution control equipment approved by this approval order shall be installed, maintained, and operated according to the standard operating procedures that will ensure that the air quality limits set forth in this AO will be met. Instructions from the vendor or established maintenance practices that maximize pollution control shall be used. All maintenance performed on equipment authorized by this AO shall be recorded, and the records shall be maintained for a period of two years. All necessary equipment control and operating devices, such as pressure gauges, amp meters, volt meters, flow-rate indicators, temperature gauges, CEMS, etc., shall be installed and operated properly and easily accessible to compliance inspectors. A copy of all the manufacturers' and company's own subsequent operating instructions for pollution control equipment and pollution emitting equipment shall be kept on site. These instructions shall be available to all employees who operate the equipment and shall be made available to compliance inspectors upon request.



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Maintenance records shall be made available to the executive secretary or executive secretary's representative upon request and the records shall include the two-year period prior to the date of the request.

17. The owner/operator shall comply with R307-155, UAC. This rule addresses criteria pollutant and hazardous air pollutant emission inventory reporting requirements, and emission statement inventory requirements. Each owner or operator of a stationary source subject to the emission statement inventory (R307-155-3) rule shall maintain for a period of four years from the due date of each emission statement, a copy of the emission statement submitted to the Division of Air Quality and records indicating how the information submitted in the emission statement was determined, including any calculations, data, measurements, and estimates used. All other inventory records required by R307-155, UAC shall be made available to the executive secretary or executive secretary's representative upon request and the records shall include the two-year period prior to the date of the request.

18. The owner/operator shall comply with R307-107, UAC. This rule addresses unavoidable breakdown reporting requirements. Any breakdown lasting longer than two hours shall be reported to the executive secretary within three hours of the breakdown if reasonable, but in no case longer than 18 hours after the beginning of the breakdown. During times other than normal office hours, breakdowns for any period longer than two hours shall be initially reported to the Environmental Health Emergency Response Coordinator. Within seven calendar days of the beginning of any breakdown lasting longer than two hours, a written report shall be submitted to the executive secretary. The owner/operator shall calculate/estimate the excess emissions (amount above AO limits) whenever a breakdown occurs. The total of excess emissions per calendar year shall be reported to the executive secretary with the inventory submittal, as directed by the executive secretary. The owner or operator of an installation suffering an unavoidable breakdown shall assure that emission limitations and visible emission limitations are exceeded for only as short a period of time as reasonable. The owner or operator shall take all reasonable measures which may include but are not limited to the immediate curtailment of production, operations, or activities at all installations of the source if necessary to limit the total aggregate emissions from the source to no greater than the aggregate allowable emissions averaged over the periods provided in the source's AO.

All records referenced in this AO or in applicable NSPS, which are required to be kept by the owner/operator, shall be made available to the executive secretary or executive secretary's representative upon request, and the records shall include the two-year period prior to the date of the request. All records shall be kept for a period of two years. A summary of those records that are required as part of this AO is included herein. This summary shall not be considered an additional requirement, but is included for informational purposes only. The condition that requires that these records be kept as part of the compliance with this AO is listed following the individual record. Examples of records to be kept at this source shall include the following as applicable:

Operator Training
Production rate
Water Treatment
Maintenance records
Emission inventory

(Condition number 4)
(Condition number 8)
(Condition number 9)
(Condition number 6)
(Condition number 7)

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Upset, breakdown episodes

(Condition number 18)

Any future modifications to the equipment approved by this order must also be approved in accordance with R307-401-1, UAC.

The Environmental Protection Agency (EPA) has informed the State of Utah that "Facilities have the responsibility to take whatever steps are necessary to ensure continued full compliance with environmental laws and regulations including undertaking whatever steps are necessary and appropriate to assure the accuracy of information and data required to be reported to the U.S. EPA and state programs. This includes a full Y2K issues assessment of the possible vulnerabilities of data systems, monitoring and operating systems and embedded computer chips that are relied upon for business operation or as part of the data gathering and reporting process. Failure to comply with requirements because of Year 2000 problems may be considered violations and may result in enforcement."

The executive secretary shall be notified in writing if the company is sold or changes its name. The notification shall be submitted within 30 days of such action.

This AO in no way releases the owner or operator from any liability for compliance with all other applicable federal, state, and local regulations including the UAC R307.

Annual emissions for this source are currently calculated at the following values:

	<u>Pollutant</u>	<u>Tons/yr</u>
A.	PM ₁₀	5.30
B.	SO ₂	0.26
C.	NO _x	2.87
D.	CO	1.05
E.	Aldehydes	0.30

The annual emission estimations above are for the purpose of determining the applicability of Prevention of Significant Deterioration, nonattainment area, maintenance area, and Title V source requirements of the UAC R307. They are not to be used for purposes of determining compliance.

Approved By:

Ursula K. Trueman
Ursula K. Trueman, Executive Secretary
Utah Air Quality Board

