

**APPENDIX 5-23**

**AIR QUALITY PERMIT AMENDMENT  
SOUTH PORTALS**

4/05/2003

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**DIV OF OIL GAS & MINING**



# Utah!

Where ideas connect

Department of Environmental Quality  
Division of Air Quality

Appendix S-23

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DAQE-AN0225003-03

March 20, 2003

Dave Shaver  
Genwal Resources Incorporated  
P. O. Box 1077  
Price, Utah 84526

Dear Mr. Shaver:

Re: Approval Order: Modification of Existing Approval Order DAQE-827-01 to Add Equipment,  
Emery County - CDS B; ATT; NSPS, HAPs, TITLE V  
Project Code: N0225003

The attached document is the Approval Order (AO) for the above-referenced project.

Future correspondence on this Approval Order should include the engineer's name as well as the DAQE number as shown on the upper right-hand corner of this letter. Please direct any technical questions you may have on this project to Mr. M. Maung. He may be reached at (801) 536-4153.

Sincerely,

Richard W. Sprott, Executive Secretary  
Utah Air Quality Board

RWS:MM:re

cc: Southeastern Utah District Health Department

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**STATE OF UTAH**

**Department of Environmental Quality**

**Division of Air Quality**

**APPROVAL ORDER: MODIFICATION OF EXISTING  
APPROVAL ORDER DAQE-827-01, TO ADD EQUIPMENT**

**Prepared By: Maung Maung, Engineer  
(801) 536-4153  
Email: mmaung@utah.gov**

**APPROVAL ORDER NUMBER**

**DAQE-AN0225003-03**

**Date: March 20, 2003**

**Genwal Resources Incorporated**

**Source Contact  
Dave Shaver  
(435) 564-4000**

**Richard W. Sprott  
Executive Secretary  
Utah Air Quality Board**

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*Abstract*

*Genwal Resources, Inc. located in Emery County has proposed to modify their existing Approval Order DAQE-827-01, to add new equipment and to reduce coal output to 4.3 million tons per year. The company has proposed to construct a portal from the south seam, and to install an additional truss-supported covered conveyor to transfer the coal from the south portal to the location of the existing stacking tube. The equipment currently used from the north portal will remain unchanged.*

*Emery County is an attainment area of the National Ambient Air Quality Standards (NAAQS) for all pollutants. This source is subject to New Source Performance Standards (NSPS) under 40 CFR Part 60 Subpart Y- Standards of Performance for Coal Preparation Plants. Because this source is a NSPS source, it also falls under the 40 CFR Part 70 or CAA Title V regulations. The emissions, in tons per year, will change as follows:  $PM_{10} = - 0.12$ .*

*The change in emissions will result in the following potential to emit totals:  $PM_{10} = 6.86$ ,  $NO_x = 4.57$ ,  $SO_2 = 0.31$ ,  $CO = 3.57$ ,  $VOC = 0.80$ .*

The project has been evaluated and found to be consistent with the requirements of the Utah Administrative Code Rule 307 (UAC R307). A public comment period was held in accordance with UAC R307-401-4 and no comments were received. This air quality Approval Order (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 Approval Order (AO) applies to the following company:

<u>Facility Location</u>	<u>Corporate Office Location</u>
Genwal Resources, Inc. SR 31 Mile Post 33 Huntington Canyon Huntington, Utah 84528 PHONE NUMBER: (435) 687-5420	Genwal Resources, Inc. 794 North C Canyon Road East Carbon, Utah 84520 PHONE NUMBER: (435) 564-4000 FAX NUMBER: (435) 564-4002

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

**PLANT LOCATION:**

SR 31 Mile Post 33, Huntington Canyon, Huntington, Utah 84528, Emery County

Direction: Take SR 31 northwest from Huntington, Utah. Follow SR 31 for 33 miles and turn left (west) on to the Forest Service Road. Follow Forest Service Road for two miles up Crandall Canyon to Genwal mine.

Universal Transverse Mercator (UTM) Coordinate System: UTM Datum NAD27  
4,369.0 kilometers Northing, 483.0 kilometers Easting, Zone 12

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2. All definitions, terms, abbreviations, and references used in this AO conform to those used in the Utah Administrative Code (UAC) Rule 307 (R307), and Title 40 of the Code of Federal Regulations (40 CFR). Unless noted otherwise, references cited in the AO conditions refer to those rules.
3. The limits set forth in this AO shall not be exceeded without prior approval in accordance with R307-401.
4. Modifications to the equipment or processes approved by this AO that could affect the emissions covered by this AO must be approved in accordance with R307-401-1.
5. 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 the following minimum periods:
  - A. All Records Two years
  - B. Emission inventories Five years from the due date of each emission statement or until the next inventory is due, whichever is longer.
6. Genwal Resources, Inc. shall install the covered conveyor and conduct its operations of the mining activities in accordance with the terms and conditions of this AO, which was written pursuant to the Notice of Intent submitted to the Division of Air Quality (DAQ) on December 19, 2002.
7. This AO shall replace the AO (DAQE-827-01) dated October 1, 2001.
8. The approved installations shall consist of the following equipment or equivalent. Equivalency shall mean identical performance, including any emission discharge, if emissions are involved. It shall be verified and approved by the Executive Secretary before the equipment or the process is changed.
  - A. One Jeffrey 56 feet crusher rated at 800 tons per hour
  - B. One concrete stacking tube, 12 feet in diameter, 85 feet high
  - C. One wheeled loader, one dozer
  - D. Two covered conveyor systems (one new)
  - E. One truck-loadout station, completely enclosed, (for highway vehicles) with surge bin and telescopic chute

**Limitations**

9. Genwal Resources Incorporated shall notify the Executive Secretary in writing when the installation of the equipment listed in Condition #8.D has been completed and is operational, as an initial compliance inspection is required. To insure proper credit when notifying the Executive Secretary, send your correspondence to the Executive Secretary, attn: Compliance Section.

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If construction and/or installation has not been completed within eighteen months from the date of this AO, the Executive Secretary shall be notified in writing on the status of the construction and/or installation. At that time, the Executive Secretary shall require documentation of the continuous construction and/or installation of the operation and may revoke the AO in accordance with R307-401-11.

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, but the requirement for observations to be made at 15-second intervals over a six-minute period 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 ½ vehicle length or greater behind the vehicle and at approximately ½ the height of the vehicle or greater. The accumulated six readings shall be averaged for the compliance value.
11. The following production limit shall not be exceeded:
  - A. 4,300,000 tons of coal per rolling 12-month period

To determine compliance with a rolling 12-month total the owner/operator shall calculate a new 12-month total by the twentieth day of each month using data from the previous 12 months. The records of production shall be kept on a daily basis. Production shall be determined by examination of company sales records and production records.

**Roads and Fugitive Dust**

12. All unpaved roads and other unpaved operational areas which are used by mobile equipment shall be water sprayed and/or chemically treated to reduce fugitive dust. Control is required at all times (24 hours per day every day) for the duration of the project/operation. Records of water treatment shall be kept for all periods when the plant is in operation. Treatment shall be of sufficient frequency and quantity to maintain the surface material in a damp/moist condition or unless it is below freezing. The opacity shall not exceed 20% during all times the areas are in use. The 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

Records of treatment 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.

13. The haul road shall be paved and shall be periodically swept or sprayed clean as dry conditions warrant or as determined necessary by the Executive Secretary. Records of cleaning of the paved road shall be kept.

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14. Water sprays shall be installed at the following points to control fugitive emissions if the opacity limit can not be maintained:
- A. All crushers
  - B. All screens
  - C. All conveyor transfer points
  - D. All stockpiles
  - E. All operation areas

The sprays shall operate whenever dry conditions warrant or as determined necessary by the Executive Secretary.

15. The following limit shall apply to the storage pile:

- A. Size not to exceed - 1.5 acres

The storage piles shall be watered to minimize generation of fugitive dusts as dry conditions warrant or as determined necessary by the Executive Secretary.

#### Federal Limitations and Requirements

16. In addition to the requirements of this AO, all provisions of 40 CFR 60, New Source Performance Standards (NSPS) Subparts A and Y, 40 CFR 60.1 to 60.18 and 40 CFR 60.250 to 60.254 (Standards of Performance for Coal Preparation Plants) apply to this installation.

#### Records & Miscellaneous

17. At all times, including periods of startup, shutdown, and malfunction, owners and operators shall, to the extent practicable, maintain and operate any equipment approved under this Approval Order including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Executive Secretary which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source. All maintenance performed on equipment authorized by this AO shall be recorded.
18. The owner/operator shall comply with R307-150 Series. Inventories, Testing and Monitoring.
19. The owner/operator shall comply with R307-107. General Requirements: Unavoidable Breakdowns.

The Executive Secretary shall be notified in writing if the company is sold or changes its name.

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 R307.

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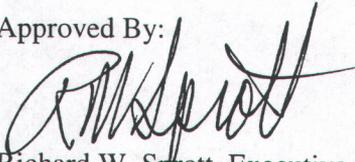
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A copy of the rules, regulations and/or attachments addressed in this AO may be obtained by contacting the Division of Air Quality. The Utah Administrative Code R307 rules used by DAQ, the Notice of Intent (NOI) guide, and other air quality documents and forms may also be obtained on the Internet at the following web site: [http://www.eq.state.ut.us/eqair/aq\\_home.htm](http://www.eq.state.ut.us/eqair/aq_home.htm)

The Potential To Emit (PTE) emissions for this source (the entire plant) are currently calculated at the following values:

<u>Pollutant</u>	<u>Tons/yr</u>
PM <sub>10</sub> .....	6.86
SO <sub>2</sub> .....	0.31
NO <sub>x</sub> .....	4.57
CO .....	3.57
VOC.....	0.80

Approved By:



Richard W. Sprott, Executive Secretary  
Utah Air Quality Board

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