

C/007/045 Incoming

4308
OK



EarthFax

**EarthFax
Engineering, Inc.**
Engineers/Scientists
7324 So. Union Park Ave.
Suite 100
Midvale, Utah 84047
Telephone 801-561-1555
Fax 801-561-1861
www.earthfax.com

May 30, 2013

Steve Christensen
Permit Supervisor
Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Salt Lake City, Utah 84114

Subject: Covol Wellington Plant
Alternate sediment control area submittal
DO-12B, Task ID #4308

RECEIVED

MAY 31 2013

DIV. OF OIL, GAS & MINING

Dear Steve:

On behalf of Covol Engineered Fuels, I am pleased to submit the two attached clean copies of an amendment to the Mining and Reclamation Plan for the Wellington, Utah dry coal-cleaning facility. This submittal includes Forms C1 and C2 as well as one hard copy of the proposed.

Please contact Kyle Edwards, Plant Manager, at 435-613-1631 or Tom Schmaltz, Environmental Director at (706) 549-7903 if you have any questions regarding this submittal. Thank you for your assistance.

Sincerely,

Richard B. White, P.E.
President
EarthFax Engineering, Inc.

Enclosure

cc: Tom Schmaltz
Kyle Edwards

APPLICATION FOR COAL PERMIT PROCESSING

Permit Change New Permit Renewal Exploration Bond Release Transfer

Permittee: COVOL Engineered Fuels, LC

Mine: Wellington Dry Coal Cleaning Facility

Permit Number: C/007/0045

Title: Addition of alternate sediment control areas

Description, Include reason for application and timing required to implement:

Add alternate sediment control areas to the facility plan, Task ID #4308, Clean copies

Instructions: If you answer yes to any of the first eight (gray) questions, this application may require Public Notice publication.

- | | |
|---|---|
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 1. Change in the size of the Permit Area? Acres: _____ Disturbed Area: _____ <input type="checkbox"/> increase <input type="checkbox"/> decrease. |
| <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | 2. Is the application submitted as a result of a Division Order? DO# <u>DO-12B</u> |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 3. Does the application include operations outside a previously identified Cumulative Hydrologic Impact Area? |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 4. Does the application include operations in hydrologic basins other than as currently approved? |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 5. Does the application result from cancellation, reduction or increase of insurance or reclamation bond? |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 6. Does the application require or include public notice publication? |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 7. Does the application require or include ownership, control, right-of-entry, or compliance information? |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 8. Is proposed activity within 100 feet of a public road or cemetery or 300 feet of an occupied dwelling? |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 9. Is the application submitted as a result of a Violation? NOV # _____ |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 10. Is the application submitted as a result of other laws or regulations or policies?
<i>Explain:</i> _____ |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 11. Does the application affect the surface landowner or change the post mining land use? |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 12. Does the application require or include underground design or mine sequence and timing? (Modification of R2P2) |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 13. Does the application require or include collection and reporting of any baseline information? |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 14. Could the application have any effect on wildlife or vegetation outside the current disturbed area? |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 15. Does the application require or include soil removal, storage or placement? |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 16. Does the application require or include vegetation monitoring, removal or revegetation activities? |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 17. Does the application require or include construction, modification, or removal of surface facilities? |
| <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | 18. Does the application require or include water monitoring, sediment or drainage control measures? |
| <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | 19. Does the application require or include certified designs, maps or calculation? |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 20. Does the application require or include subsidence control or monitoring? |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 21. Have reclamation costs for bonding been provided? |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 22. Does the application involve a perennial stream, a stream buffer zone or discharges to a stream? |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 23. Does the application affect permits issued by other agencies or permits issued to other entities? |

Please attach four (4) review copies of the application. If the mine is on or adjacent to Forest Service land please submit five (5) copies, thank you. (These numbers include a copy for the Price Field Office)

I hereby certify that I am a responsible official of the applicant and that the information contained in this application is true and correct to the best of my information and belief in all respects with the laws of Utah in reference to commitments, undertakings, and obligations herein.

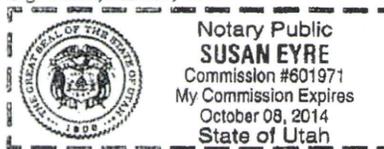
MICHAEL MILDENHAU
Print Name

Mrs. Susan Eyre, Secretary, May 31, 2013
Sign Name, Position, Date

Subscribed and sworn to before me this 31 day of May, 2013

Susan Eyre
Notary Public

My commission Expires: Oct. 8, 2014
Attest: State of Utah } ss:
County of Salt Lake



<p>For Office Use Only:</p>	<p>Assigned Tracking Number:</p>	<p>Received by Oil, Gas & Mining</p> <p style="text-align: center; color: red; font-weight: bold; font-size: 1.2em;">RECEIVED</p> <p style="text-align: center; color: green; font-weight: bold; font-size: 1.2em;">MAY 31 2013</p> <p style="text-align: center; color: red; font-weight: bold; font-size: 0.8em;">DIV OF OIL, GAS & MINING</p>
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PLATES

Plate

- 5-1 General Site Map
- 5-2 Reclamation Map
- 7-1 Sedimentation Pond Map
- 7-2 Site Watershed and Drainage Map

APPENDICES

Appendix

- 1-1 Correspondence Regarding the Permit Application Submittal
- 1-2 Environmental Compliance Assessment
- 1-3 Property Warranty Deeds
- 1-4 Zoning and Conditional Use Permit Information
- 1-5 Affidavit of Publication of Administrative Completeness
- 2-1 Pre-Disturbance Photographs
- 2-2 Published Soil Survey Information
- 3-1 Biological Survey of the Permit and Adjacent Areas
- 3-2 Resume of Project Biologist
- 4-1 Class I Cultural Resource Inventory
- 4-2 Utah Division of Air Quality Approval Order
- 4-3 Resume of Individual Conducting the Cultural Resource Evaluation
- 5-1 Road Certification
- 7-1 Monitoring Well Lithologic and Completion Log
- 7-2 Water Rights Data
- 7-3 Utah Pollutant Discharge Elimination System Permit
- 7-4 Storm Water Pollution Prevention Plan
- 7-5 Spill Prevention, Control and Countermeasures Plan
- 7-6 Hydrologic Design Methods
- 7-7 Sedimentation Pond Hydrology Calculations
- 7-8 Drainage Channel and Culvert Hydrology Calculations
- 7-9 Alternate Sediment Control Area Calculations
- 8-1 Reclamation Bond Cost Estimate
- 8-2 Certificate of Insurance

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Other Treatment Facilities. No other water treatment facilities are located within the permit area.

Exemptions. Two alternate sediment control areas exist at the locations shown on Plate 7-2. These areas will be bounded by a minimum 6-inch high berm or fiber roll as indicated, each installed on the inside of the facility fence. Calculations to support the design of these alternate sediment control areas are provided in Appendix 7-9.

The berm noted on Plate 7-2 is existing and was installed during site grading along the interior of the facility fence. This berm, which has the approximate dimensions noted on Plate 7-2, effectively keeps runoff from flowing off site to the property west of the facility. The berm will be maintained with a minimum height of 6 inches.

Fiber rolls will be installed at the location shown on Plate 7-2 in accordance with manufacturer's instructions. Approximately half of the roll will extend below the ground surface and individual sections of fiber roll will be overlapped horizontally to preclude bypass of sediment. Each fiber roll will be staked into the ground on centers that do not exceed 4 feet. Although the junction point of the berm and fiber rolls may vary somewhat from that indicated on Plate 7-2, a barrier with a minimum height of 6 inches will be maintained in the indicated locations.

7.4.2.3 Diversions

General Requirements. The diversions within the permit area consist of drainage ditches and culverts. All diversions within the permit area have been designed to minimize adverse impacts to the hydrologic balance, to prevent material damage outside the permit area, and to assure the safety of the public. They have been designed, located, constructed, maintained, and used to:

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- Be stable
- Provide protection against flooding and resultant damage to life and property
- Prevent, to the extent possible, additional contributions of suspended solids to stream flow outside the permit area
- Comply with all applicable local, state, and federal laws and regulations

Peak discharge rates from the drainages within the permit area were calculated for use in determining the adequacy of the existing diversion ditches and culverts. Since the diversions will remain in place for the future landowner following cessation of COVOL operations, runoff was calculated assuming permanent diversion structures based on the 100-year, 6-hour precipitation event of 1.74 inches. Curve numbers were based on those defined in Appendix 7-7. A description of the methods used to determine the peak discharge rates is presented in Appendix 7-8.

Watershed boundaries for the facility are presented on Plate 7-2. The disturbed area boundary is surrounded by a berm along the upstream edge and its sides in order to divert runoff

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COVOL Engineered Fuels, LC
Dry-Coal Cleaning Facility

Permit Application
Revised March 2013

APPENDIX 7-9

Alternate Sediment Control Area Calculations

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COVOL WELLINGTON PLANT
ASCA DETERMINATION

ASCA-1

Bone yard with minimally-disturbed ground
Partially vegetated with weeds

$$\left. \begin{array}{l} CN = 80 \\ P_{10,24} = 1.57 \text{ in} \\ \text{Area} = 238 \text{ ac} \end{array} \right\} \begin{array}{l} Q = 0.321 \text{ in} \\ = 0.76 \text{ ac-in} \\ = 2770 \text{ ft}^3 \end{array}$$

Area of elev. 5510 contour inside fence = 5540 ft²

The above runoff will be contained with a fiber roll with a height of ≥ 6 inches.

ASCA-2

Conditions as above

$$\left. \begin{array}{l} CN = 80 \\ P_{10,24} = 1.57 \text{ in} \\ \text{Area} = 0.12 \text{ ac} \end{array} \right\} \begin{array}{l} Q = 0.321 \text{ in} \\ = 140 \text{ ft}^3 \end{array}$$

Area of elev. 5508 contour inside fence = 610 ft²

The above runoff will be contained if the fiber roll has a height of ≥ 6 inches.

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