



GARY R. HERBERT
Governor

SPENCER J. COX
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

January 8, 2016

All Coal Operators

Subject: 2015 Coal Mining Annual Reports for Active and Inactive Coal Mines

Dear Mine Operator:

Enclosed, please find an electronic Annual Report document. You should be able to Save, and Email the form. When completed, it must be submitted to the Division *electronically* either by emailing the form with the associated report documents, uploading on the Division ePermitting site or by saving the form to a CD.

The 2015 Annual Report form includes entries for regulatory requirements, such as annual impoundment certification; however, many Mining and Reclamation Plans include unique, mine-specific commitments that also must be reported annually. Depending on the status of your mine (active or inactive), some of the sections of the annual report may not apply or may not require a response. Also, please be sure to submit the following items:

- 1) Raptor and archeology reports marked as confidential and in a separate folder marked confidential (R645-300-124.300);
- 2) Mine map identifying mining in 2015 as well as the mining proposed for the next five years [PE Certified] (R645-301-512 and R645-301-521); and
- 3) Notices of Proposed Mining sent to water conservancy districts and all owners and occupants of surface property above the underground workings (R645-301-525.700).

Please submit the completed form by March 31, 2016. If you have any questions, please call me at (801) 538-5325.

Sincerely,

Daron R. Haddock
Coal Program Manager

DRH/ss



Print Form

Submit by Email

Reset Form

Annual Report

This Annual Report shows information the Division has for your mine. Submit the completed document and any additional information identified in the Appendices to the Division by the date specified in the cover letter. During a complete inspection an inspector will check and verify the information.

GENERAL INFORMATION

| | | | |
|-----------------|---|------------------------|---|
| Company Name | <input type="text" value="Rhino Energy"/> | Mine Name | <input type="text" value="Bear Canyon Mine"/> |
| Permit Number | <input type="text" value="C/015/0025"/> | Permit expiration Date | <input type="text"/> |
| Operator Name | <input type="text"/> | Phone Number | <input type="text"/> |
| Mailing Address | <input type="text"/> | Email | <input type="text"/> |
| City | <input type="text"/> | | |
| State | <input type="text"/> | Zip Code | <input type="text"/> |

DOGM File Location or Annual Report Location

| | | |
|--------------------|---|----------------------|
| Excess Spoil Piles | <input type="checkbox"/> Required <input checked="" type="checkbox"/> Not Required | <input type="text"/> |
| Refuse Piles | <input type="checkbox"/> Required <input checked="" type="checkbox"/> Not Required | <input type="text"/> |
| Impoundments | <input checked="" type="checkbox"/> Required <input type="checkbox"/> Not Required | <input type="text"/> |
| Other: | <input type="text"/> | <input type="text"/> |

OPERATOR COMMENTS

REVIEWER COMMENTS

Met Requirements Did Not meet Requirements

Reviewer Comments Met Requirements

Did Not Meet Requirements

Title: IDENTIFICATION OF NEW CULTURAL RESOURCES.

Objective: If during the course of mining operations, previously unidentified cultural resources are discovered, Permittee shall ensure that the site(s) is not disturbed and shall notify the Division of Oil, Gas, and Mining. The Division, after coordination with OSM, shall inform the Permittee of necessary actions required.

Frequency: The Permittee shall implement the mitigation measures required by the Division within the time specified by the Division.

Status: Ongoing.

Reports: Annual

Citation: MRP, Chapter 4, Section 411.144, page 4-15

Operator Comments

Reviewer Comments Met Requirements

Did Not Meet Requirements

Title: RAPTOR SURVEYS

Objective: Verify presence of nesting birds, and status of nests. Raptor surveys will be conducted every year during the mine life. Include follow-up surveys if conducted.

Frequency: annually for the life of the mine.

Status: Ongoing

Reports: Annual

Citation: Chapter three, page 3-70, paragraph 2.

Operator Comments

Reviewer Comments Met Requirements Did Not Meet Requirements

FUTURE COMMITMENTS AND CONDITIONS

The following commitments are not required for the current annual report year, but will be required by the permittee in the future as indicated by the "status" field. These commitments are included for information only, and do not currently require action. If you feel that the commitment is no longer relevant or needs to be revised, please contact the Division.

Title: VEGETATION MONITORING PROCEDURES

Objective: Qualitative observations of revegetated areas will be made yearly throughout the ten year liability period. (See R645-301-250).

Frequency: Quantitative measurements of reclamation will be collected during years 2,3,5,9, and 10 of the same bond liability period. Any areas not achieving success will be evaluated and revegetated as needed.

Status: Begin at reclamation

Reports: Annually after reclamation

Citation: Chapter three, page 3-41, paragraph 1

Title: SEALING OF WELLS

Objective: Permanent closure of wells using measures required by DOGM to prevent access and contamination of groundwater.

Frequency: Once, as wells are no longer needed.

Status: Wells are in use until no longer needed.

Reports: Report status when mining is terminated or wells no longer needed.

Citation: MRP, Chapter 6, page 6-10.

Title: DETAILED REVEGETATION PLAN

Objective: The Operator will submit a detailed revegetation plan in the last Five year permit renewal prior to reclamation. The plan will include detailed map(s) of sufficient scale to show exact areas and methods of revegetation (i.e. drill seeding, terraces, netting, etc.) based on the best technology available and final mine site conditions.

Frequency: Once during last five year permit renewal prior to reclamation. the operator will notify the Division two weeks prior to all seeding work (interim or permanent) to allow the Division to be on site when work is done.

Status: During last permit renewal prior to reclamation.

Reports: NA

Citation: Chapter 3, page 3-46, paragraph 2.

Title: ANALYSIS FOR RE-INITIATION OF SAMPLING SITES

Objective: Notify DOGM of any reactivation of water sampling stations if mining is to occur in the following areas: Leases U-46481; U-024316; T16N R8E Secs 7,17,18,19,20; Mine #4; Mohrland area, or portal opening accessing Leases U61048 or U-61049.

Frequency: Sampling to initiate at least 6 months prior to mining these areas.

Status: Ongoing

Reports: Notify Division in Annual report in mining is to occur.

Citation: Chapter 7, p 7-49.

Title: Substitute Topsoil Testing

Objective: To Confirm the suitability of substitute topsoil prior to reclamation.

Frequency: Within 5 years prior to reclamation

Status: Future Commitment

Reports: Proposed substitute topsoil that is designated by reclamation area in Summary table 2-8 and further described in appendix 5-1 will be re-tested in the final five years of operations according to table 5O-1 and testing will include total petroleum hydrocarbons by EPA Methods 8015 and 418.1

Citation: MRP, Chapter 2, Section R645-301-241, p 2-35

OPERATOR COMMENTS (OPTIONAL)

REVIEWER COMMENTS

REPORTING OF OTHER TECHNICAL DATA

Please list other technical data or information that was not included in the form above, but is required under the approved plan, which must be periodically submitted to the Division.

Please list attachments:

Reviewer Comments

MAPS

Copies of mine maps, current and up-to-date, are to be provided to the Division as an attachment to this report in accordance with the requirements of R645-301-525.240. The map copies shall be made in accordance with 30 CFR 75.1200 as required by MSHA. Mine maps are not considered confidential.

| Map Name | Map Number | Included | | Confidential | |
|------------------------------|------------|--------------------------|--------------------------|--------------------------|-------------------------------------|
| | | Yes | No | Yes | No |
| Annual subsidence map | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Mine Map- see comments below | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Reviewer Comments Met Requirements Did Not Meet Requirements

Please include a mine map with dates of when the panels are projected to be mined. The Division requires that a map showing at least five years of projected mining be provided annually.



Print Form

Submit by Email

Reset Form

Annual Report

This Annual Report shows information the Division has for your mine. Submit the completed document and any additional information identified in the Appendices to the Division by the date specified in the cover letter. During a complete inspection an inspector will check and verify the information.

GENERAL INFORMATION

| | | | |
|-----------------|-----------------------|------------------------|-----------------|
| Company Name | Andalex Resources INC | Mine Name | Centennial Mine |
| Permit Number | C/007/0019 | Permit expiration Date | |
| Operator Name | | Phone Number | |
| Mailing Address | | Email | |
| City | | | |
| State | | Zip Code | |

DOGM File Location or Annual Report Location

| | | |
|--------------------|---|--|
| Excess Spoil Piles | <input type="checkbox"/> Required <input checked="" type="checkbox"/> Not Required | |
| Refuse Piles | <input type="checkbox"/> Required <input checked="" type="checkbox"/> Not Required | |
| Impoundments | <input checked="" type="checkbox"/> Required <input type="checkbox"/> Not Required | |
| Other: | | |

OPERATOR COMMENTS

REVIEWER COMMENTS

Met Requirements Did Not meet Requirements

COMMITMENTS AND CONDITIONS

The Permittee is responsible for ensuring annual technical commitments in the Mining and Reclamation Plan and conditions accepted with the permit are completed throughout the year. The Division has identified these commitments below and has provided space for you to report what you have done during the past year for each commitment. If additional written response is required, it should be filed as an attachment to this report.

Title: FIRE SUPPRESSION

Objective: Andalex will commit to prevent, control and suppress range forest and coal fires within the permit area.

Frequency: To the extent possible

Status: Ongoing

Reports: Report if range fires have occurred on the permit area during the year.

Citation: Volume 1, Chapter 3, page 3-10, paragraph 5

Operator Comments

Reviewer Comments Met Requirements Did Not Meet Requirements

Title: SUBSIDENCE MONITORING

Objective: Determine subsidence effects from mining.

Frequency: Annually

Status: Ongoing

Reports: Provide annual subsidence monitoring data **and MAP** and report of impacts in annual report.

Citation: Volume 1, Chapter 5, Page 5-150a, 5-151.

Operator Comments

Reviewer Comments Met Requirements Did Not Meet Requirements

Title: GAS VENT HOLE STATUS UPDATE

Objective: To keep the Division apprised of the status of all wells drilled above the Aberdeen mine including any future venting of existing wells and / or development of non GVH pads and to ensure that reclamation of each disturbance is accomplished in a timely manner once the wells are no longer in use. "Provide a spreadsheet showing the progress of reclamation at each drill pad, indicating the date of interim or final grading; the date of seeding and mulching; stating whether the well is still producing; stating whether there is Blue Tip equipment (solar arrays, valves) still on site.

Please comment on the status of plugging wells and removal of Blue Tip Energy equipment from these sites.

The landowner requested that final reclamation include construction of water bars on the road down to GVH 13. Please comment on the status of water bar construction.

App. X Section 341.200 states that wood fiber mulch is to be applied on top of the seed with hydroseeding equipment at the rate of 2,000 lbs/ac and anchored with a tackifier. Where work differed from this plan, please comment on the type and rate of mulch applied to each site.

Roads constructed to GVH 4, GVH 5A, GVH 6, GVh 8, GVH 8A, GVH 11, GVH 12, GVH 16, and GVH 17 will be reclaimed as shown on Figure 1-1. Please comment on the status of road reclamation.

Frequency: Annually

Status: Ongoing

Reports: Annual report item

Citation: Appendix X, page 1-2

Operator Comments

Reviewer Comments Met Requirements Did Not Meet Requirements



FUTURE COMMITMENTS AND CONDITIONS

The following commitments are not required for the current annual report year, but will be required by the permittee in the future as indicated by the "status" field. These commitments are included for information only, and do not currently require action. If you feel that the commitment is no longer relevant or needs to be revised, please contact the Division.

Title: SAGE GROUSE NEST SITE EVALUATION

Objective: Prior to development of the well site, a Sage Grouse nest site evaluation will be conducted by a knowledgeable wildlife biologist. If nests are located, an alternative drill site location will be determined.

Frequency: Based on the need to drill additional de-gas wells.

Status: Required in future if new de-gas wells are proposed.

Reports: Send with application

Citation: Appendix X, Chapter 3, page 3-5, paragraph 1

Title: RECLAMATION SUCCESS

Objective: Determine reclamation success.

Frequency: Reclaimed areas will be qualitatively monitored monthly for the first two growing seasons following reclamation. Quantitative veg analysis will be completed in years 5, 9 and 10. In year 7, a consultation with DOGM will determine if an additional inventory might be necessary.

Status: Check at reclamation.

Reports: When monitoring commences.

Citation: Appendix X, Chapter 3, page 3-17.

Title: RECLAMATION ENHANCEMENT MEASURES

Objective: Andalex will consult with the Division of Wildlife Resources, at the time of final reclamation, to determine exactly what reclamation designs, planting arrangements, and artificial structures would best enhance wildlife habitat.

Frequency: Once

Status: Will be required prior to final reclamation

Reports: Report reclamation plans to Division for incorporation into MRP

Citation: Volume 1, Chapter 3, page 3-23, paragraph 1

Title: SEALING OF WELLS

Objective: Permanent closure of wells using measures required by the Division to prevent access and contamination of groundwater.

Frequency: When wells are no longer needed.

Status: Throughout mining

Reports: Report in Annual report the year when wells are completed.

Citation: Gob Gas Vent Wells: Appendix X R645-301.542.700 All other exploration and water wells: MRP - 301.529.100 301.755

OPERATOR COMMENTS (Optional)**REVIEWER COMMENTS:**



Text

REPORTING OF OTHER TECHNICAL DATA

Please list other technical data or information that was not included in the form above, but is required under the approved plan, which must be periodically submitted to the Division.

Please list attachments:

Reviewer Comments

MAPS

Copies of mine maps, current and up-to-date, are to be provided to the Division as an attachment to this report in accordance with the requirements of R645-301-525.240. The map copies shall be made in accordance with 30 CFR 75.1200 as required by MSHA. Mine maps are not considered confidential.

| Map Name | Map Number | Included | | Confidential | |
|----------|------------|--------------------------|--------------------------|--------------------------|-------------------------------------|
| | | Yes | No | Yes | No |
| mine map | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Reviewer Comments Met Requirements Did Not Meet Requirements