



Suzanne Steab <suzannesteab@utah.gov>

2014 Annual Report

Suzanne Steab <suzannesteab@utah.gov>

Mon, Dec 15, 2014 at 9:19 AM

To: kerrygoodballet@consolenergy.com, "Gefferth, John" <jgefferth@cecinc.com>

Hello,

Please see the attached electronic Annual Report documents. Also, a letter from the Division outlining the Annual Report submittal requirement of March 27, 2015.

Thank you!

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Suzanne Steab, Engineering Technician II
Division of Oil, Gas & Mining
1594 West North Temple, Suite 1210
Salt Lake City, Utah 84114-5801

3 attachments



Emery Deep.pdf
1321K



Hidden Valley.pdf
1211K



2014AnnualReport.pdf
64K



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

December 15, 2014

All Coal Operators

Subject: 2014 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 2014 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 2014 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 27, 2015. 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 by the cover letter. During a complete inspection an inspector will check and verify the information.

GENERAL INFORMATION

Company Name	<input type="text"/>	Mine Name	Emery Deep Mine
Permit Number	C/015/0015	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 checked="" type="checkbox"/> Required <input 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

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: CULTURAL RESOURCE PROTECTION

Objective: To monitor the five eligible cultural resource sites that could be damaged as a result of subsidence in the zero zero north area. Sites include: 42Em3964, 42Em3965, 42Em3969, and 42Em3974.

Frequency: Annually after undermining until the Division determines subsidence is no longer an impact.

Status: ongoing, Undermining has not occurred to date.

Reports: Annual

Citation: MRP, Confidential Binder, Chapter X, Part A, Page 1

Operator Comments

Reviewer Comments Met Requirements Did Not Meet Requirements

Title: CONTROL OF COAL FINES DEPOSITION

Objective: To prevent coal fines from accumulating on undisturbed soils.

Frequency: Annual inspection of three transects, three sample sites each for % coal, 5 live vegetative cover, and presence of cryptogammic cover and soil color. Include the name of the person collecting the data, soil color data, and cryptogram observation.

Status: Annual inspections should be ongoing during periods of production. The data could be more effectively displayed using an excel spreadsheet so that comparisons of the data and trends may be seen over time.

Reports: Annual report, build on the table provided in Chapter X-C, page 5, with the inclusion of a column for soil color.

Citation: MRP, Chapter X part C, page 5b.

Operator Comments

Reviewer Comments Met Requirements Did Not Meet Requirements

Title: INVESTIGATIVE STUDY INTO RECLAMATION PRACTICE

Objective: To develop an enhanced reclamation plan, based on an evaluation of soil chemistry and vegetation establishment on previous reclaimed sites. (results located in Chapter 11, Appendix 1). This is a four-phase project. Phase I involves reporting on the investigation of past reclamation sites and practices at the mine. Phase II requires to lower the profile of pond 6 stockpiles, reseed and keep wildlife off piles; reclaim ponds 4 & 5, and pond 1 subsoil pile; adjust final reclamation plans to incorporate beneficial treatments observed such as discing in 1 T/ac straw mulch; modify the seed mix to include only salt tolerant species and allow for a higher percentage of shrubs and forbs; adjust the reference areas to eliminate duplication. Phase III requires that the applied techniques be evaluated qualitatively annually and quantitatively between the 4th and 6th year. These evaluations will be correlated to precipitation data. Phase IV requires the permittee to revise the MRP to include the best technology for final revegetation.

Frequency: Ongoing

Status: Phase I has been met. Phase II has been met (2014).

Reports: Qualitative report annually, and quantitative report 4th and 6th year.

Citation: MRP, Chapter III, page 4a, and Chapter III, appendix 1

Operator Comments

Reviewer Comments Met Requirements Did Not Meet Requirements



Title: SUBSIDENCE MONITORING- POINTS OVER PARTIAL PILLAR SECTIONS

Objective: monitor points over partial pillar sections that have been resurveyed once and where no significant movement (<0.5') was found will be surveyed within one year. If this subsequent survey shows no significant movement from the original survey, the point will be surveyed again at one year intervals. Points over advancing sections need not be resurveyed unless there has been evidence that subsidence has taken place (caving).

Frequency: As needed

Status: Ongoing

Reports: Track in annual report to ensure compliance. Resubmittal of monthly reports is not necessary if the operator has already submitted them. Division engineer will review reports annually to ensure compliance.

Citation: MRP, Chapter V, binder 1 of 3, page 36.

Operator Comments

Reviewer Comments Met Requirements Did Not Meet Requirements

Title: SUBSIDENCE MONITORING- NEW POINTS

Objective: Resurvey new monitoring points established over advancing sections such as mains and submains within one year after mining has been completed beneath the station. Include dates that points were established to track if the points have been resurveyed within a year after mining has been completed.

Frequency: As needed.

Status: Ongoing.

Reports: Track in annual report to ensure compliance. Resubmittal of monthly reports is not necessary if the operator has already submitted them. Division engineer will review reports annually to ensure compliance.

Citation: MRP, Chapter V, binder 1 of 3, page 36.

Operator Comments

Reviewer Comments Met Requirements Did Not Meet Requirements

Title: SUBSIDENCE MONITORING- REPORT

Objective: Subsidence monitoring report containing: 1.) Mine maps showing where pillars have been pulled and the month and year that such pillars were removed or partially removed. 2.) Maps showing the location of survey monitoring stations and tension cracks and/or compression features visible on the surface. 2a.) Photographs of the subsidence monitoring points above the full extraction areas outlined on Plate V-5 to record pre and post subsidence. 3.) The differential level and horizontal survey summary and 4.) a narrative.

Frequency: As needed, report submitted to the Division annually.

Status: Ongoing

Reports: Provide report in annual report.

Citation: MRP, Chapter V, binder 1 of 3, page 37.

Operator Comments

Reviewer Comments Met Requirements Did Not Meet Requirements

Title: SUBSIDENCE MONITORING- PREMINING ELEVATIONS AND GRADIENTS

Objective: Establish pre-mining elevations and gradients of any irrigation ditches and pond embankments within the angle of draw. The permittee will monitor these areas by visual inspection and post-subsidence ground survey to establish the effects of subsidence.

Frequency: As needed.

Status: Ongoing

Reports: Track in annual report to ensure compliance. Resubmittal of monthly reports is not necessary if the operator has already submitted them. Division engineer will review reports annually to ensure compliance.

Citation: MRP, Chapter V, binder 1 of 3, page 37.

Operator Comments

Reviewer Comments Met Requirements Did Not Meet Requirements

Title: SUBSIDENCE MONITORING- MITIGATION REPORT

Objective: Provide, to the Division on an as-needed basis, a subsidence mitigation report that describes the surface mitigation projects and their status broken down by surface land owners.

Frequency: quarterly

Status: Ongoing

Reports: Track in annual report to ensure compliance. Resubmittal of monthly reports is not necessary if the operator has already submitted them. Division engineer will review reports annually to ensure compliance.

Citation: MRP, Chapter V, binder 1 of 3, page 37.

Operator Comments

Reviewer Comments Met Requirements Did Not Meet Requirements

Title: SUBSIDENCE MONITORING- UPDATE PRE-SUBSIDENCE SURVEY

Objective: Update the existing pre-subsidence survey and plates six months before full extraction and provide copies to the surface land owner, the Division and the water conservancy district.

Frequency: As needed, six months prior to full extraction.

Status: Ongoing

Reports: Track in annual report to ensure compliance. Resubmittal of monthly reports is not necessary if the operator has already submitted them. Division engineer will review reports annually to ensure compliance.

Citation: MRP, Chapter V, binder 1 of 3, page 37.

Operator Comments

Reviewer Comments Met Requirements Did Not Meet Requirements

Title: SUBSIDENCE MONITORING- RESURVEY NEW MONITORING POINTS

Objective: Resurvey new monitoring points established over partial pillar sections within six months after final mining has taken place beneath them. Provide dates that points were established to track if the points have been resurveyed within six months after final mining.

Frequency: as needed

Status: Ongoing

Reports: Track in annual report to ensure compliance. Resubmittal of monthly reports is not necessary if the operator has already submitted them. Division engineer will review reports annually to ensure compliance.

Citation: MRP, Chapter V, binder 1 of 3, page 36.

Operator Comments

Reviewer Comments Met Requirements Did Not Meet Requirements

Title: EMERY TOWN WELL MONITORING

Objective: Consol will evaluate data collected from the Emery town wells, using hydrographs and other appropriate means, and submit a report of findings to DOGM with the Annual Report.

Frequency: Annually

Status: Ongoing

Reports: Annual Report

Citation: Chapter VI, page VI-56.

Operator Comments

Reviewer Comments Did Not Meet Requirements Met Requirements

Title: MONITOR FIVE ELIGIBLE SITES IN THE ZERO ZERO NORTH AREA FOR IMPACTS FROM MINING

Objective: To monitor eligible cultural resource sites that could be damaged as a result of subsidence. Sites include: 42Em3964, 42Em3965, 42Em3966, 42Em3969, 42Em3974.

Frequency: Annually after undermining until the Division determines subsidence is no longer an impact.

Status: Ongoing. Undermining was expected to occur in 2010.

Reports: Annual Report

Citation: MRP, Confidential, Chap. X, Part A. page1.

Operator Comments

Reviewer Comments Met Requirements Did Not Meet Requirements

Title: WATER MONITORING

Objective: Consol will provide an annual water monitoring summary to be submitted by March 31st.

Frequency: Annually

Status: Ongoing

Reports: Annual Report

Citation: Chapter VI, page VI-28.

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: SOIL SAMPLING AT 4TH EAST PORTAL

Objective: Verify soil characteristics prior to final reclamation grading through sampling and analysis for pH, SAR, and EC with particular attention to those areas that were treated with dust suppressant.

Frequency: At final reclamation.

Status: At final reclamation.

Reports: report findings to Division.

Citation: MRP, Chapter III part C.1, page 11 and Appendix X, part C-3, page 24.

Title: SOIL SAMPLING OF POND NO. 4 AND POND NO. 9

Objective: To determine if evaporative salts have accumulated to a toxic level.

Frequency: at final reclamation

Status: at final reclamation.

Reports: report to the Division.

Citation: MRP, Chapter III, part C-1, page 12.

Title: SOIL TESTING OF RECLAIMED SITE BEFORE SEEDING

Objective: To verify the suitability of the growth media.

Frequency: At reclamation.

Status: At reclamation, before seeding.

Reports: report to Division.

Citation: MRP, Chapter VIII, part C-4, page 21, paragraph 1.

Title: PERMANENT WASTE DISPOSAL SITE SUBSTITUTE TOPSOIL AND SUBSOIL COVER

Objective: To determine how to segregate best available material within the disturbed area for use as substitute topsoil from less desirable material to be used as cover over the coal mine waste permanent disposal site.

Frequency: Prior to construction of permanent disposal site, Consol will resample the gravel pit site for topsoil substitute quality and quantity, and cover material quality. The site will be sampled on one sample per acre grid, with analysis on one foot

Status: Future Commitment

Reports: report to Division.

Citation: MRP, Chap VII, App. VII-2, pg. 2

Title: IDENTIFY CHEMICAL CHARACTERISTICS OF COAL MINE WASTE PRIOR TO FINAL BURIAL OR TREATMENT

Objective: In accordance with R645-301-731.300, determine chemical characteristics of coal mine waste in existing temporary coal mine waste stockpile. Commitment to core temporary pile in at least 5 locations and analyze waste in 5 ft. intervals for pH, EC, SAR, Acid Base Accounting, Se, B, and texture.

Frequency: One year prior to moving the waste

Status: Future Commitment

Reports: report to Division.

Citation: MRP, Chap III, pg. 13

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		<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

Print Form

Submit by Email

Reset Form

Annual Report

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GENERAL INFORMATION

Company Name	Consolidation Coal Company	Mine Name	Hidden Valley Mine
Permit Number	C/015/0007	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 type="checkbox"/> Required <input checked="" type="checkbox"/> Not Required	
Other:		

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: RECLAMATION OF AREA "A"

Objective: To complete reclamation of Hidden Valley.

Frequency: To be completed within a few years of the 1997 reclamation of Area B, based on vegetation analysis of reclamation area "B".

Status: Deferred for the remainder of the permit term (renewal in January of 2017).

Reports: As built and vegetation monitoring.

Citation: MRP, Page 2-97B

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

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Map Name	Map Number	Included		Confidential	
		Yes	No	Yes	No
		<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"/>
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Reviewer Comments Met Requirements Did Not Meet Requirements