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# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

June 30, 2014

Jay Marshall, Resident Agent  
Genwal Resources, Inc.  
P.O. Box 910  
East Carbon, Utah 84520-0910

Subject: 2013 Annual Report Review Completion, Crandall Canyon Mine, C/015/0032, Task ID #4565

Dear Mr. Marshall:

The Division staff has completed the review of the 2013 Annual Report. Enclosed is a copy of the review with each reviewer's comments completed on June 30, 2014.

Thank you for your diligence in completing the Annual Report. If you have any questions, please call me at (801) 538-5325.

Sincerely,

Daron R. Haddock  
Coal Program Manager

DRH/sqs  
Enclosure  
O:\015032.CRA\WG4565\ReviewCompletionLetter.doc



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# 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	Genwal Resources Inc.	Mine Name	Crandall Canyon Mine
Permit Number	C/015/0032	Permit expiration Date	2018-05-13
Operator Name	Utah American Energy	Phone Number	+1 (435) 888-4000
Mailing Address	PO Box 910	Email	dhibbs@coalsource.com
City	East Carbon		
State	UT	Zip Code	84520

### DOGM File Location or Annual Report Location

Excess Spoil Piles

- Required
- Not Required

Refuse Piles

- Required
- Not Required

Impoundments

- Required
- Not Required

Other:

### OPERATOR COMMENTS

The Crandall Canyon Mine was inactive during 2012.

### REVIEWER COMMENTS

- Met Requirements     Did Not meet Requirements

The sediment ponds associated with the Crandall Mine Site were inspected for 4th quarter 2013 and Annual 2013 on November 20, 2013. These reports were certified by Utah P.E. This fulfills the requirements. (KRH)

# 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: MACROINVERTEBRATE SAMPLING

**Objective:** To monitor macroinvertebrate populations in Crandall Creek

**Frequency:** Annually, during the spring and fall beginning in 2009.

**Status:** Spring and Fall 2012 reports are due to the Division.

**Reports:** Submit surveys in annual report.

**Citation:** MRP, Volume A Text, Chapter 3, page 3-17.

### Operator Comments

The 2013 Spring & Fall Macroinvertebrate Report's are included.

Reviewer Comments  Met Requirements  Did Not Meet Requirements

The macroinvertebrate studies that were conducted in the spring and fall of 2013 have been reviewed by the Division staff biologist. It is recommended that Division staff meet with the Permittee to discuss the result of the survey. The surveys will also be provided to the appropriate agencies for comment.

## Title: SUBSIDENCE MONITORING

**Objective:** To determine subsidence effects from mining. Please provide a map that shows the locations of the monitoring points to compare variations due to mining.

**Frequency:** Annually

**Status:** Ongoing.

**Reports:** Submit surveyed monitoring data and map to Division annually.

**Citation:** MRP, Volume B, Chapter 5, Section 5.25.14, page 5-25.

### Operator Comments

Subsidence information is included.

Reviewer Comments  Met Requirements

Did Not Meet Requirements

Subsidence information was provided with the pertinent subsidence data collected. Data includes an easting, northing, and elevation for each subsidence monitoring location. The subsidence observed consistently ranged from 0 to less than 0.1 ft, with upheaval in some instances. This variance can be attributed to the margin of error for the subsidence survey method. Slide monitoring data was also provided for the East Mountain Slide Area. The data shows that the slide has experienced a maximum of .11 feet of downward movement over the past year (JCO).

## 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 CULVERT**

**Objective:** To reclaim part of the culverted section of the stream which provided habitat to the cutthroat trout population. And enhancement of the stream below the mine discharge point due to the impact on the stream habitat and aquatic wildlife that occurred because of the iron-laden water discharge.

**Frequency:** Once during reclamation.

**Status:** Needs to be completed as soon as possible.

**Reports:** Submitted to the Division upon project completion.

**Citation:** MRP, Volume A, Chapter 3, page 3-16

**Title: RAPTOR SURVEYS**

**Objective:** To monitor raptor activity and nesting within and adjacent to the permit area.

**Frequency:** Every three years, or annually if a.) UDWR recommends it, b.) it will not unduly harrass raptors, or c.) it is prudent to insure raptor safety and/or habitat. Raptor surveys are not required if the mine is not active AND no significant activity is taking place.

**Status:** Surveys required prior to installation of any discharge treatment facilities or prior to reclamation work.

**Reports:** In annual report.

**Citation:** MRP, Volume A, Chapter 3, page 3-17.

**OPERATOR COMMENTS (OPTIONAL)**

Not required in 2013.

**REVIEWER COMMENTS**

Since the mine is inactive a raptor survey is not required.

## 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

Monthly/quarterly submittals of hydrologic data have been submitted as required by the approved Mining and Reclamation Plan. Operational water monitoring, monthly sandstone seepage volumes, monthly residual polymer tests and monthly mine-water discharge data has been submitted in a timely fashion by the Permittee (SKC, June 24th, 2014).

# 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 checked="" 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

A mine map was submitted by the Permittee with the annual report. As the mine has been in temporary cessation since 2007, no changes have been made to the mine-plan/underground workings. (SKC- June 24th, 2014)