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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

Outgoing  
C0150032  
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December 29, 2008

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

Subject: 2007 Annual Report Review, Crandall Canyon Mine, C/015/0032, Task ID # 3052  
Outgoing File

Dear Mr. Shaver:

The Division staff has completed the 2007 Annual Report Review. Enclosed is a copy of the review for Crandall Canyon Mine, C/015/0032 completed on December 29, 2008.

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

Sincerely,

Daron Haddock  
Permit Supervisor

sqg  
Enclosure  
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# 2007 Annual Report Review

**Permittee:** Genwal Resources, Inc.  
**Mine Name:** Crandall Canyon  
**Permit Number:** C/015/0032  
**Date Report Received:** July 2, 2007

**Assigned Reviewer:** Karl R. Houskeeper  
Ingrid Wieser, Biology  
Steve Christensen, Hydrology

**Date Completed**  
July 14, 2007  
December 23, 2008  
December 29, 2008

**Instructions:** The assigned inspector will review the Annual report during the third quarter complete inspection and provide a written determination (finding) on how the mine has or has not met the permit requirements for reporting. If the report is deficient or remedial action is required to obtain compliance, this should be noted and the mine lead notified. A copy of this review will be filed with the Inspection Report. Should any of the sections require additional technical analysis, the inspector will notify the permit supervisor so that it can be scheduled during the 4<sup>th</sup> quarter.

SECTIONS TO REVIEW	SUBMITTED			FINDINGS
	YES	NO	NA	

SECTIONS TO REVIEW	SUBMITTED			FINDINGS
	YES	NO	NA	
Cover Sheet	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cover sheet submitted but not filled out. Same form the Division sent to the operator without any information.
General Information	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	General information is on the cover sheet. Information was included on the cover sheet before the Division sent it to the permittee.
Identification of other Permits	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Information was included on the cover sheet before the Division sent it to the permittee.
Annual Impoundment Certification	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Annual sediment pond inspection was done on 08/13/07 by a registered P.E. in the State of Utah. The certification is signed, Stamped and dated.
Annual Overburden, Spoil, Refuse, Floor, etc. Certified Report	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

Annual Technical Requirements (Commitments)				
Climatological	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Precipitation information on a daily basis from 01/03/2007 through 10/31/2007 was submitted in the annual report. There was no information for November or December 2007.
Subsidence	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Subsidence information was submitted in table form showing elevations of the subsidence points for 2003 and 2007. There was no map submitted with the annual report to show the correlation of the points to the underground workings. The information was determined by an aerial survey. The report gives a difference from 2003 to 2007 where applicable. There is information on 2220 data points in the report. Copies of subsidence notifications are also included in the 2007 annual report to four (4) different entities.
Vegetation monitoring	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Raptor Survey	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Raptor Data for 2007 was submitted in the annual report. Fourteen nests were included in the results, all of which were inactive or not surveyed in 2007. No map is included.
Soils Monitoring	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

## 2007 Annual Report Review

Water Monitoring	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The Permittee submitted an annual hydrologic monitoring report (the report) compiled by Peterson Hydrologic, L.L.C. (dated June 26 <sup>th</sup> , 2008). The information was based on hydrologic monitoring information obtained during 2007. Water samples for baseline laboratory water quality parameters were collected and analyzed during the 2007 calendar year. Figure 1 of the report depicts the locations of the water monitoring stations. The report presents the methods utilized in obtaining the data as well as data summaries regarding ground water, surface water, in-mine water and mine water discharge monitoring during 2007. The water quality and water quantity analysis that is presented is consistent with the data submitted to and analyzed by the Division.
Geological/Geophysical	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Engineering	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Non-Coal Waste	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Abandoned Underground Equipment	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
AVS; Legal/ Financial Update	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Mine Sequence Map	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	A production map for 2007 is included in the annual report. The map has areas highlighted, but no legend is provided to indicate what the highlighted area represents. The scaled of the map is such that the mined areas are not legible even with a magnifying glass. No determination can be made when the areas were mined out. The map did not contain any future projects. The north side has been sealed the south side of the mine remains unsealed but is fenced. The mine is idled following the Crandall disaster. No workings are shown on the map for the south mine.
Other Information	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

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