

2001 Annual Report Review

Permittee: Genwal Resources, Inc.
Mine Name: Crandall Canyon
Permit Number: C/015/032
Date Report Received: April 5, 2002

Date Completed ▼

Assigned Reviewers:

Mike Suflita, David Darby, Hydrologist <i>mjs</i>	12/27/02
Joe Helfrich, Biology <i>JH</i>	May 9, 2002
Karl R. Houskeeper, Engineer/Inspector <i>KRH</i>	June 19, 2002

Instructions: The assigned staff will review their respective portions of the Annual report and provide a written determination (findings) 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 inspector notified. Once all reviewers have completed the report, they should initial it and a copy will be filed in the Mine Internal File.

Assignments:

Inspectors: Review each cover sheet, AVS Legal/Financial, Mine Sequence Maps.
Hydrologists: Review Water Monitoring Data, Precipitation and Climatological Data, Non-Coal Waste
Biologists: Review Vegetation/Revegetation Success Monitoring, Raptor Survey
Engineers: Review Subsidence Monitoring Data, Annual Impoundment Certification, Annual Overburden, Spoils, Refuse, Floor, etc.

SECTIONS TO REVIEW	SUBMITTED		FINDINGS
	YES	NO	
Cover Sheet	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Meets the minimum requirements.
AVS; Legal/ Financial Update	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Utah Department of Commerce report is included in the annual report. A listing of officers and addresses is provided.
Mine Sequence Map	<input checked="" type="checkbox"/>	<input type="checkbox"/>	2001 production area map for Crandall Canyon Project Hiawatha Seam is included in the annual report. The map shows the areas of mining for the year 2001 and includes future projections.
Water Monitoring Data	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Data is on file in the Division database. An excellent review of the 2001 data by Eric Peterson is included in the report. No anomalies are evident. Monitoring points MW-6 and MW-8 were damaged by mining during the year and will no longer be included in future monitoring. The sediment pond annual inspection report is also included.
Precipitation & Climatological Data	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Data is available only for through May 17, 2001. The note, "Personnel change made. Replacement forgot to do record. Is now recording data 3/20/02" explains the missing data.
Non-Coal Waste report	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No report of abandoned equipment.

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	YES	NO	
Subsidence Monitoring Data	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Subsidence Monitoring data is included in the annual report. Subsidence monitoring is accomplished by photogrammetric methods. The monitoring program covers 2120 points. 1335 showed no movement. 1902 points have less than 1 foot of movement. 218 points showed movement between 1 foot and 6 feet. The maximum displacement is 6.9 feet. The average of the 218 points is 2.6 feet.
Annual Impoundment Certification	<input checked="" type="checkbox"/>	<input type="checkbox"/>	The annual inspection was done on 12/05/01 and the report was P.E. certified on 01/02/02.
Annual Overburden, Spoil, Refuse, Floor, etc.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	No refuse pile or spoils piles exist within the permit area.
Vegetation Data	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Data for three monitoring regimes has been provided, a five year comparison of the plant communities using aerial photography, quantitative on the topsoil stockpiles, Qualitative and quantitative on the interim areas and native comparison areas.
Revegetation Success Monitoring	<input checked="" type="checkbox"/>	<input type="checkbox"/>	A few minor differences related to seasonal changes, time of day or photo angle variations were noted. The topsoil stockpiles showed a greater percentage of total living cover than selected background areas. The areas above and below the portal access road were sampled. According to two interpretations the areas have met the 80% success standard for cover.
Raptor Survey	<input checked="" type="checkbox"/>	<input type="checkbox"/>	The map is a photo copy of a color map. As a result the species and nests that were tended in 2001 are not able to be identified. The permittee needs to provide a color 2001 raptor survey map.
Other Information	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

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