

2002 Annual Report Review

Permittee: UtahAmerican Energy, Inc.
Mine Name: Geneva Mine (Horse Canyon)
Permit Number: C/007/013
Date Report Received: January 10, 2003

Assigned Reviewers:	Date Completed ▼
Karl R. Houskeeper, Inspector/Engineer	April 17, 2003
Jeriann Ernsten, Biologist	July 29, 2003
Dave Darby, Hydrologist	June 12, 2003

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"/>	Cover sheet included with annual report.
AVS; Legal/ Financial Update	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Updated Legal, Financial and Compliance information is on file in the approved Mining and Reclamation Plan. This information was included as a response to a Technical Analysis on December 6, 2002.
Mine Sequence Map	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Mine site is inactive.
Water Monitoring Data	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Submitted in Database
Precipitation & Climatological Data	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Located in MRP
Non-Coal Waste report	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Nothing being produced
Subsidence Monitoring Data	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Mine site is inactive.
Annual Impoundment Certification	<input type="checkbox"/>	<input type="checkbox"/>	Annual Impoundment Inspection and Certified Report is dated and P.E. certified on August 15, 2002. No structural weakness or other hazardous conditions existed.
Annual Overburden, Spoil, Refuse, Floor, etc.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	The mine site is inactive and does not have any overburden, spoil or refuse storage facilities.

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	YES	NO	
Vegetation Data	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<p>Not required or submitted as indicated in Annual Report 2002 cover sheet.</p> <p>However, subsequent to the Annual Report 2002, the Permittee plans to submit a current, complete, and correct vegetation analysis of the Lila Canyon mine permit and reference areas.</p> <p>Following a field visit in March 2003, the Division believed that the old reference area was located too close to mine operations. This close proximity could have subjected the reference area to traffic damage and fugitive dust. The newly proposed reference area location is approximately 500 feet west of the proposed sediment pond.</p> <p>Dr. King is currently (summer 2003) collecting vegetation cover data to determine if the newly proposed reference area adequately represents the proposed disturbed area. Other vegetation data Dr. King is currently collecting includes: plant diversity, woody species density, and area productivity (assisted by NRCS).</p>
Revegetation Success Monitoring	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<p>Not required or submitted as indicated in Annual Report 2002 cover sheet.</p> <p>However, after operations begin, a standard stipulation on federal coal leases is that the lessee monitor the effects of underground mining on vegetation. The application includes a plan to monitor vegetation with color infrared photography every five years. This commitment is consistent with Division requirements for other mines and is acceptable.</p>

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	YES	NO	
Raptor Survey	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<p>Required and submitted as indicated in Annual Report 2002 cover sheet.</p> <p>The PAP provides data from raptor surveys conducted in the area in 2002. The 2002 survey map (Plate 3-1) shows locations of five nests (six corresponding numbers R301-121.100) within about one mile of the proposed surface facilities. Section 322.220 (pg10) states that the areas surveyed include the entire Book Cliffs escarpment within the permit area plus a one-mile buffer zone around potential development areas.</p> <p>The ARC/GIS file obtained from Division of Wildlife Resources (DWR) shows the flight line for the 2002 survey. The results show that five of the six raptor nests were inactive and one nest was dilapidated for 2002.</p> <p>DWR concentrated the survey in areas within township quadrants 9, 10, 15, 16, and 22, but marginally surveyed potential habitats within quadrants 23 and 26. These two quadrants are located in the southwest portion of the permit area and may be suitable cliff habitat. These quadrants are outside the subsidence buffer zone, but within the permit area and immediately adjacent to the buffer zone.</p> <p>The Permittee commits to conduct raptor surveys one year prior to all proposed new construction or potentially disruptive mining activity. The surveys must include all suitable habitats within a one-mile radius of the mining activities and main facilities area. The mine operator must request a thorough survey during the 2003 and subsequent-year raptor surveys of the southwest quadrants as well as other rock outcrops within and near the permit area (R301-322.100).</p> <p>Note, although the mine operator plans to continue to monitor raptors, the Division distinguishes and requires additional requirement to survey the Mexican spotted owl according to USFWS. Future annual report must address this requirement.</p>

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	YES	NO	
Other Information	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<p>Not required or submitted as indicated in Annual Report 2002 cover sheet.</p> <p>However, subsequent to the Annual Report 2002, the Permittee is required to do the following as required by a joint effort of BLM, DWR and DOGM:</p> <ol style="list-style-type: none"> 1. Survey all seeps and springs. The report must describe: <ul style="list-style-type: none"> o Riparian habitat. o Vegetation for all seeps and springs. o Presence of any amphibians. 2. Monitor south canyon for wildlife use if a water source(s) is found. 3. Incorporate all surveys and reports listed into the PAP (R301-322) <p>The Permittee is also required to do the following:</p> <ol style="list-style-type: none"> 1. Occurrence surveys and impact assessments for the bald eagle. 2. Occurrence surveys and impact assessments for the Creutzfeldt cryptantha and canyon sweetvetch. 3. Impact assessments for bonytail chub, Colorado pikeminnow, Humpback chub, and razorback sucker.

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