

0021



State of Utah

JON M. HUNTSMAN, JR.
Governor

GARY HERBERT
Lieutenant Governor

Department of
Environmental Quality

Amanda Smith
Acting Executive Director

DIVISION OF WATER QUALITY
Walter L. Baker, P.E.
Director

C/007/041 Incoming
C/007/019
CC: Steve C. &

July 21, 2009

Mr. Bruce Hill, President & CEO
Mr. David Shaver, Resident Agent
UtahAmerican Energy, Inc.
West Ridge Resources, Inc.
P.O. Box 910
East Carbon, UT 84520-0910

Subject: Inspection Reports – UPDES Permit Nos. UT0025640 (West Ridge Mine) and
UT0025674 (Andalex Tower Mine)

Dear Mr. Hill and Mr. Shaver:

On June 30, 2009 I met with Mr. Shaver and conducted Reconnaissance and Compliance Sampling Inspections in regards to your UPDES permit facilities referenced above. Specifically we discussed the current status and corrective action plan at West Ridge Mine, as well as the initial stream channel abatement activities. The “No Discharge” status was verified at the Tower Mine facility.

Enclosed are copies of the inspection reports for your records. Please review the “Deficiencies” and “Requirements” and “Recommendations” sections of the West Ridge Mine report and contact me with any questions. I appreciate your continued efforts to keep me informed of the operations. If you have any questions, please contact me at (801) 538-6779 or by e-mail at jstudenka@utah.gov.

Sincerely,

Jeff Studenka, Environmental Scientist
UPDES IES Section

Enclosures

cc (w/encl): Amy Clark, EPA Region VIII
Claron Bjork, SE District Health Department
Dave Ariotti, SE District Engineer
Daron Haddock, Division of Oil Gas & Mines

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United States Environmental Protection Agency
Washington, D.C. 20460

Water Compliance Inspection Report

Section A: National Data System Coding (i.e., ICIS)

Transaction Code N	NPDES UT0025640	yr/mo/day 090630	Inspection Type R	Inspector S	Fac. Type 2
1	2	3	11	12	17
Remarks					
21					
Inspection Work Days 2	Facility Self-Monitoring Evaluation Rating 4	BI N	QA N	Reserved	
67	69	70	71	72	73 74 75 80

Section B: Facility Data

Name and Location of Facility Inspected (For industrial users discharging to POTW, also include POTW name and NPDES permit number) West Ridge Resources, West Ridge Mine 794 North "C" Canyon Road, Carbon County, UT	Entry Time/ Date 9:30 am/ 6-30-2009	Permit Effective Date 5-1-2006
	Exit Time/ Date 3:30 pm /6-30-2009	Permit Expiration Date 4-30-2011
Name(s) of On-Site Representative(s)/Title(s)/Phone and Fax Number(s) Dave Shaver, Resident Agent, West Ridge Mine, (435) 888-4017 phone (435) 637-9645, fax (435) 637-8679	Other Facility Data (e.g., SIC NAICS, and other descriptive information) Bituminous Coal Underground Mining Facility SIC Code 1222 NAICS 212112 SEE ATTACHED	
Name, Address of Responsible Official/Title/Phone and Fax Number Bruce Hill, President and CEO UtahAmerican Energy, Inc. P.O. Box 1077 Price, UT 84501 (435) 888-4000	Contacted <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

Section C: Areas Evaluated During Inspection (Check only those areas evaluated)

<input checked="" type="checkbox"/> Permit	<input checked="" type="checkbox"/> Self Monitoring Program	<input type="checkbox"/> Pretreatment	<input type="checkbox"/> MS4
<input type="checkbox"/> Records/Reports	<input type="checkbox"/> Compliance Schedule	<input type="checkbox"/> Pollution Prevention	
<input checked="" type="checkbox"/> Facility Site Review	<input type="checkbox"/> Laboratory	<input type="checkbox"/> Storm Water	
<input checked="" type="checkbox"/> Effluent/Receiving Waters	<input type="checkbox"/> Operations & Maintenance	<input type="checkbox"/> Combined Sewer Overflow	
<input type="checkbox"/> Flow Measurement	<input type="checkbox"/> Sludge Handling/Disposal	<input type="checkbox"/> Sanitary Sewer Overflow	

Section D: Summary of Findings/Comments

(Attach additional sheets of narrative and checklists, including Single Event Violation codes, as necessary)

SEV Codes	SEV Description

Name(s) and Signature(s) of Inspector(s) JEFF STUDENKA, ENVIRONMENTAL SCIENTIST 	Agency/Office/Phone and Fax Number(s) DWQ (801) 538-6779	Date: 7-20-09
Name and Signature of Management Q A Reviewer MIKE HERKIMER, MANAGER UPDES IES SECTION 	Agency/Office/Phone and Fax Number(s) DWQ (801) 538-6058	Date: 7/21/09

INSTRUCTIONS

Section A: National Data System Coding (i.e., ICIS)

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Columns 12-17: Inspection Date. Insert the date entry was made into the facility. Use the year/month/day format (e.g., 04/10/01 = October 01, 2004).

Column 18: Inspection Type*. Use one of the codes listed below to describe the type of inspection:

A	Performance Audit	X	Toxics Inspection	6	IU Non-Sampling Inspection with Pretreatment
B	Compliance Biomonitoring	Z	Sludge - Biosolids	7	IU Toxics with Pretreatment
C	Compliance Evaluation (non-sampling)	#	Combined Sewer Overflow-Sampling	!	Pretreatment Compliance (Oversight)@
D	Diagnostic	\$	Combined Sewer Overflow-Non-Sampling	{	Storm Water-Construction-Sampling
F	Pretreatment (Follow-up)	+	Sanitary Sewer Overflow-Sampling	}	Storm Water-Construction-Non-Sampling
G	Pretreatment (Audit)	&	Sanitary Sewer Overflow-Non-Sampling	:	Storm Water-Non-Construction-Sampling
I	Industrial User (IU) Inspection	\	CAFO-Sampling	~	Storm Water-Non-Construction-Non-Sampling
J	Complaints	=	CAFO-Non-Sampling	<	Storm Water-MS4-Sampling
M	Multimedia	2	IU Sampling Inspection	-	Storm Water-MS4-Non-Sampling
N	Spill	3	IU Non-Sampling Inspection	>	Storm Water-MS4-Audit
O	Compliance Evaluation (Oversight)	4	IU Toxics Inspection		
P	Pretreatment Compliance Inspection	5	IU Sampling Inspection with Pretreatment		
R	Reconnaissance				
S	Compliance Sampling				
U	IU Inspection with Pretreatment Audit				

Column 19: Inspector Code. Use one of the codes listed below to describe the lead agency in the inspection.

A-	State (Contractor)	O-	Other Inspectors, Federal/EPA (Specify in Remarks columns)
B-	EPA (Contractor)	P-	Other Inspectors, State (Specify in Remarks columns)
E-	Corps of Engineers	R-	EPA Regional Inspector
J-	Joint EPA/State Inspectors—EPA Lead	S-	State Inspector
L-	Local Health Department (State)	T-	Joint State/EPA Inspectors—State lead
N-	NEIC Inspectors		

Column 20: Facility Type. Use one of the codes below to describe the facility.

- 1- Municipal. Publicly Owned Treatment Works (POTWs) with 1987 Standard Industrial Code (SIC) 4952.
- 2- Industrial. Other than municipal, agricultural, and Federal facilities.
- 3- Agricultural. Facilities classified with 1987 SIC 0111 to 0971.
- 4- Federal. Facilities identified as Federal by the EPA Regional Office.
- 5- Oil & Gas. Facilities classified with 1987 SIC 1311 to 1389.

Columns 21-66: Remarks. These columns are reserved for remarks at the discretion of the Region.

Columns 67-69: Inspection Work Days. Estimate the total work effort (to the nearest 0.1 work day), up to 99.9 days, that were used to complete the inspection and submit a QA reviewed report of findings. This estimate includes the accumulative effort of all participating inspectors; any effort for laboratory analyses, testing, and remote sensing; and the billed payroll time for travel and pre and post inspection preparation. This estimate does not require detailed documentation.

Column 70: Facility Evaluation Rating. Use information gathered during the inspection (regardless of inspection type) to evaluate the quality of the facility self-monitoring program. Grade the program using a scale of 1 to 5 with a score of 5 being used for very reliable self-monitoring programs, 3 being satisfactory, and 1 being used for very unreliable programs.

Column 71: Biomonitoring Information. Enter D for static testing. Enter F for flow through testing. Enter N for no biomonitoring.

Column 72: Quality Assurance Data Inspection. Enter Q if the inspection was conducted as follow-up on quality assurance sample results. Enter N otherwise.

Columns 73-80: These columns are reserved for regionally defined information.

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This section is self-explanatory except for "Other Facility Data," which may include new information not in the permit or PCS (e.g., new outfalls, names of receiving waters, new ownership, other updates to the record, SIC/NAICS Codes, Latitude/Longitude).

Section C: Areas Evaluated During Inspection

Check only those areas evaluated by marking the appropriate box. Use Section D and additional sheets as necessary. Support the findings, as necessary, in a brief narrative report. Use the headings given on the report form (e.g., Permit, Records/Reports) when discussing the areas evaluated during the inspection.

Section D: Summary of Findings/Comments

Briefly summarize the inspection findings. This summary should abstract the pertinent inspection findings, not replace the narrative report. Reference a list of attachments, such as completed checklists taken from the NPDES Compliance Inspection Manuals and pretreatment guidance documents, including effluent data when sampling has been done. Use extra sheets as necessary.

*Footnote: In addition to the inspection types listed above under column 18, a state may continue to use the following wet weather and CAFO inspection types until the state is brought into ICIS-NPDES: K: CAFO, V: SSO, Y: CSO, W: Storm Water 9: MS4. States may also use the new wet weather, CAFO and MS4 inspections types shown in column 18 of this form. The EPA regions are required to use the new wet weather, CAFO, and MS4 inspection types for inspections with an inspection date (DTIN) on or after July 1, 2005.

INSTRUCTIONS

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INSPECTION PROTOCOL

UPDES Permit #: UT0025640 - West Ridge Mine
Inspection Type: Reconnaissance Inspection (RI) + Compliance Sampling Inspection (CSI)
Inspection Date: June 30, 2009
Weather Conditions: Sunny and warm, ~ 75 °F.

Jeff Studenka of the Division of Water Quality (DWQ) met with Dave Shaver at the UtahAmerican Energy, Inc., West Ridge Mine facility (West Ridge) as well as DOGM and BLM personnel to observe the initial stream channel abatement activities. The purpose for the site visit was to once again perform reconnaissance and compliance sampling inspections as a result of continued elevated total iron concentrations in the mine water discharge, while already on site for the coal fines abatement activities. Since the previous CSI on 4/29/2009, West Ridge has continued pursuing water distribution options underground to increase settling time and to reduce the amount of coal fines present in the discharge, as TSS concentrations have been reduced to within permit limitations on a consistent basis. Concurrently, the process has begun for removing the coal fines deposited along the stream channel as West Ridge has recently constructed four catchment basin structures (A, C, E, & F) downstream to collect the coal fines for subsequent removal.

FACILITY DESCRIPTION

Location: 794 North "C" Canyon Road, near East Carbon, Utah
Coordinates: Outfall 001 – 39° 36' 45" North latitude, 110° 26' 26" West longitude
Outfall 002 – 39° 36' 58" North latitude, 110° 26' 10" West longitude

Average Flow: ~ 1 MGD (Outfall 002, mine water discharge)

Receiving water: "C" Canyon Ephemeral Drainage → Grassy Trail Creek

Process: Underground coal mining operation utilizing long-wall technology. Water from the mine is conveyed to a below ground collection area, where it is treated for iron via chemical flocculent and then continuously pumped out of the mine and discharged to the surface via Outfall 002. Surface water runoff is conveyed to an above ground settling pond system with a single discharge point (Outfall 001). Outfall 001 has not discharged to date.

INSPECTION SUMMARY

The reconnaissance inspection was limited to outside the mine where the water collection and distribution systems are exposed. The two outfall locations were observed as well as the receiving waters of "C" Canyon Drainage, Grassy Trail Creek and the treatment operations at Catchment Basin "A." As part of the CSI, DWQ collected discharge compliance grab samples @ 11:00 am from Outfall 002 for TDS, TSS, total iron, and oil & grease parameters and the results will be compared to the June 2009 DMR as soon as both are available. At the time of the inspections, the mine water discharge was the only flow in "C" Canyon and the discharge was observed downstream in Grassy Trail Creek as well. At Outfall 002, the discharge appeared to be mostly clear with black coal fines still heavily deposited along the bottom and edges of the stream channel. Extensive photos of the stream channel were

collected and provided by West Ridge and will be included in the DWQ file. Therefore, no additional photos were collected by DWQ at this time as part of the inspection process.

OBSERVATIONS

As noted above, the discharge at Outfall 002 appeared to be mostly clear. Coal fines remain deposited along the bottom and edges of the stream channel downstream beyond the DOGM permit boundary, while significantly decreasing from one catchment basin structure to the next. At the time of the inspection, the clear waters of Grassy Trail Creek were observed downstream beyond the overpass on US 6 Hwy.

DEFICIENCIES

No additional deficiencies were noted however the numeric effluent violation still exists as June's first sample for total iron exceeded the permit limit. The initial CSI on 2-4-2009 noted a deficiency for numeric effluent violations since total iron concentrations had exceeded the daily maximum permit limit of 1.3 mg/L for four of the previous six months and also total suspended solids (TSS) have exceeded the monthly average permit limit of 25 mg/L for five of the previous six months, both of which triggered Significant Non-Compliance in EPA's ICIS data management system in February 2009. This has been addressed under separate cover with a Notice of Violation (NOV) dated February 10, 2009 and a subsequent response from West Ridge received by DWQ on March 30, 2009. A Settlement Agreement (SA) has been finalized and was previously mailed and now hand delivered to West Ridge. Upon agreement from West Ridge, the SA will formally resolve the alleged violations above.

REQUIREMENTS

1. Continue implementing your corrective action plan to treat the mine water and subsequent discharges for elevated total iron and TSS concentrations and return the West Ridge facility to full compliance with your UPDES Permit on a more consistent basis.
2. Continue to inform DWQ with updates of your corrective action plan as we discussed to eliminate the coal fines in the mine water discharge and along the stream channel downstream of Outfall 002.
3. Signature approval of the draft SA is required ASAP to formally resolve the numeric effluent violations as discussed above. Failure to respond in a timely manner will cause expiration of the draft SA as proposed.



United States Environmental Protection Agency
Washington, D.C. 20460

Water Compliance Inspection Report

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Remarks					
21					
Inspection Work Days 1	Facility Self-Monitoring Evaluation Rating 5	BI N	QA N	Reserved	
67	69	70	71	72	73 74 75 80

Section B: Facility Data

Name and Location of Facility Inspected (For industrial users discharging to POTW, also include POTW name and NPDES permit number) ANDALEX Centennial Mines Project ~8 miles NE of Price, UT 6750 North Airport Road Price, UT 84501	Entry Time/ Date 3:10 pm/6-30-2009	Permit Effective Date 12-1-2006
	Exit Time/ Date 3:30 pm/6-30-2009	Permit Expiration Date 11-30-2011
Name(s) of On-Site Representative(s)/Title(s)/Phone and Fax Number(s) N/A	Other Facility Data (e.g., SIC NAICS, and other descriptive information) Bituminous Coal Underground Mining Facility SIC Code 1222 NAICS 212112 Inactive Facility, No Discharges Since 2008. SEE ATTACHED	
Name, Address of Responsible Official/Title/Phone and Fax Number Bruce Hill, President David Shaver, Resident Agent P.O. Box 910 East Carbon, UT 84520 (435) 888-4017	Contacted <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

Section C: Areas Evaluated During Inspection (Check only those areas evaluated)

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Name(s) and Signature(s) of Inspector(s) JEFF STUDENKA, ENVIRONMENTAL SCIENTIST <i>Jeff Studenka</i>	Agency/Office/Phone and Fax Number(s) DWQ (801) 538-6779	Date: 7-20-09
Name and Signature of Management Q A Reviewer MIKE HERKIMER, MANAGER UPDES IES SECTION <i>Mike Herkimer</i>	Agency/Office/Phone and Fax Number(s) DWQ (801) 538-6058	Date: 7/21/09

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INSPECTION PROTOCOL

UPDES Permit #: UT0025674 - Andalex Tower Mine
Inspection Type: Reconnaissance Inspection
Inspection Date: June 30, 2009
Weather: Sunny, warm ~ 80°F

Jeff Studenka of the Division of Water Quality (DWQ) visited the ANDALEX Resources, Inc., Centennial Mines Project Tower Facility, while already in the area. The purpose for the site visit was to perform a reconnaissance inspection to verify the inactive status of the facility since the mine water discharge has ceased in early September 2008. There were no deficiencies from the last inspection for follow up (December 2008).

FACILITY DESCRIPTION

Location: Approximately 8 miles NE of Price, Utah on Airport Road.
Coordinates: Outfall 001 (sed. pond) – 39° 43' 37" latitude, -110° 43' 18" longitude
Outfall 002 (mine water) – 39° 43' 49" latitude, -110° 43' 18" longitude
Outfall 003 (sed. pond) – 39° 43' 25" latitude, -110° 43' 18" longitude
Outfall 004 (mine water) – 39° 42' 10" latitude, -110° 44' 20" longitude

Average Flow: (no discharges since Sept. 2008)

Receiving waters: Deadman Canyon ephemeral drainage → Hayes Wash → Price River.

Process: Prior to Sept. 2008, this was an active underground coal mining operation utilizing long-wall technology. Water from the mine was conveyed to below ground settling areas and pump stations, where it was then piped out of the mine from three pump stations and discharged to Deadman Canyon drainage (Outfall 004). Since September 2008, the mine water pumps have been shut off and removed, and there has been no discharge and none is expected into the foreseeable future. Surface water runoff is conveyed to two above ground settling ponds (001 & 003) that have not discharged to date and are not expected to discharge in the foreseeable future. Outfall 002 has not discharge in many years and it is not expected to discharge in the foreseeable future since the mine is inactive and shut down. The mine portals have been sealed and the facility remains inactive and closed.

INSPECTION SUMMARY

The outfall locations and sedimentation ponds were observed as well as the receiving water drainage of Deadman Canyon, which was dry at the time of the inspection. There were no deficiencies observed and no further action is necessary as the facility is shut down.

DEFICIENCIES

None.

REQUIREMENTS

None.