



State of Utah

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Lieutenant Governor

Department of
Environmental Quality

Amanda Smith
Executive Director

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

0007/091 Incoming

cc: Steve C.
Steve D.

OK

July 19, 2010

CERTIFIED MAIL
(Return Receipt Requested)

Mr. David Hibbs, President & CEO
UtahAmerican Energy, Inc.
West Ridge Resources, Inc.
P.O. Box 910
East Carbon, UT 84520-0910

Subject: Inspection Reports – UPDES Permit No. UT0025640, West Ridge Mine

Dear Mr. Hibbs:

On July 14, 2010 I met with Mr. Dave Shaver and Ms. Dana Marrelli at your offices to conduct Reconnaissance and Compliance Sampling Inspections in regards to the West Ridge Mine and your UPDES permit referenced above. Specifically we discussed the current status of the excessive total iron concentrations and coal fines in the mine water discharge, which was then followed by a tour of the stream channel where samples were collected and photos were taken.

Enclosed are copies of the inspection reports for your records. Please review the "Findings & Deficiencies" and "Requirements & Corrective Actions" sections of the narrative report and **provide written response to our offices by August 6, 2010.** This may be submitted either by parcel post (attn: Jeff Studenka) or by e-mail as indicated herein. If you have any questions, please contact me at (801) 536-4395 or by e-mail at jstudenka@utah.gov.

Sincerely,

Jeff Studenka, Environmental Scientist
UPDES IES Section

Enclosures

cc (w/encl): Stephanie Gieck, EPA Region VIII
Claron Bjork, SE District Health Department
Dave Ariotti, SE District Engineer
Daron Haddock, Division of Oil Gas & Mines
Mr. David Shaver, West Ridge Mine

F:\wp\Genwal-Westridge-Tower Mines\West Ridge Mine\RI+CSI July 2010 covltr.doc

195 North 1950 West • Salt Lake City, UT
Mailing Address: P.O. Box 144870 • Salt Lake City, UT 84114-4870
Telephone (801) 536-4300 • Fax (801) 536-4301 • T.D.D. (801) 536-4414

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JUL 21 2010

DIV. OF OIL, GAS & MINING



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 U T 0 0 0 2 5 6 4 0	yr/mo/day 1 0 0 7 1 4	Inspection Type S	Inspector S	Fac. Type 2
1	2	3	11	12	17
Remarks					
21					
Inspection Work Days 2	Facility Self-Monitoring Evaluation Rating 2	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 10:10 am/ 7-14-2010	Permit Effective Date 5-1-2006
	Exit Time/ Date 1:15 pm/ 7-14-2010	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, phone (435) 888-4017, fax (435) 888-4002 Dana Marrelli, phone (435) 888-4026	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 David Hibbs, President and CEO UtahAmerican Energy, Inc. P.O. Box 910 East Carbon, UT 84520 (435) 888-4000	Contacted Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	

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 checked="" 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 A 0 0 1 2	SEV Description Numeric Effluent Violations

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) 536-4395	Date: 7-19-2010
N/A		
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) 536-4390	Date: 7/19/2010



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 100714	Inspection Type R	Inspector S	Fac. Type 2
21	Remarks	66			
Inspection Work Days 2	Facility Self-Monitoring Evaluation Rating 2	BI N	QA N	Reserved	
67	69	70	71	72	73 74 75 80

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<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 A 0 0 2 2	SEV Description Narrative Standard Effluent Violation

Name(s) and Signature(s) of Inspector(s) JEFF STUDENKA, ENVIRONMENTAL SCIENTIST 	Agency/Office/Phone and Fax Number(s) DWQ (801) 536-4395	Date: 7-19-2010
N/A		
Name and Signature of Management Q A Reviewer MIKE HERKIMER, MANAGER UPDES IES SECTION 	Agency/Office/Phone and Fax Number(s) DWQ (801) 536-4390	Date: 7/19/2010

INSPECTION PROTOCOL

UPDES Permit #: UT0025640 - West Ridge Mine
Inspection Type: Reconnaissance Inspection + Compliance Sampling Inspection (CSI)
Inspection Date: July 14, 2010
Weather Conditions: Sunny and hot, ~ 85 °F.

Jeff Studenka of the Division of Water Quality (DWQ) and Steve Christensen and Joe Helfrich of Division of Oil, Gas & Mining (DOG M) met with Dave Shaver and Dana Marrelli at the Utah American Energy, Inc., West Ridge Mine facility (West Ridge) to observe coal fines in the stream channel as reported by West Ridge on 7-7-2010. The purpose for DWQ's site visit was to perform reconnaissance and compliance sampling inspections as a result of continued elevated total iron concentrations in the mine water discharge, as well as to observe coal fines in the stream channel down gradient from Outfall 002. Since the previous DWQ inspection on 8/11/2009, 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. TSS concentrations have previously been reduced to within permit limitations on a consistent basis, however total iron concentrations have been above the UPDES permit limit of 1.3 mg/L 4 of the past 6 months. In addition, recent reports of black water and coal fines in the mine water discharge downstream from outfall 002 have prompted further action since the stream channel abatement activities of 2009.

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: ~ 1-1.5 MGD (Outfall 002, mine water discharge)

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

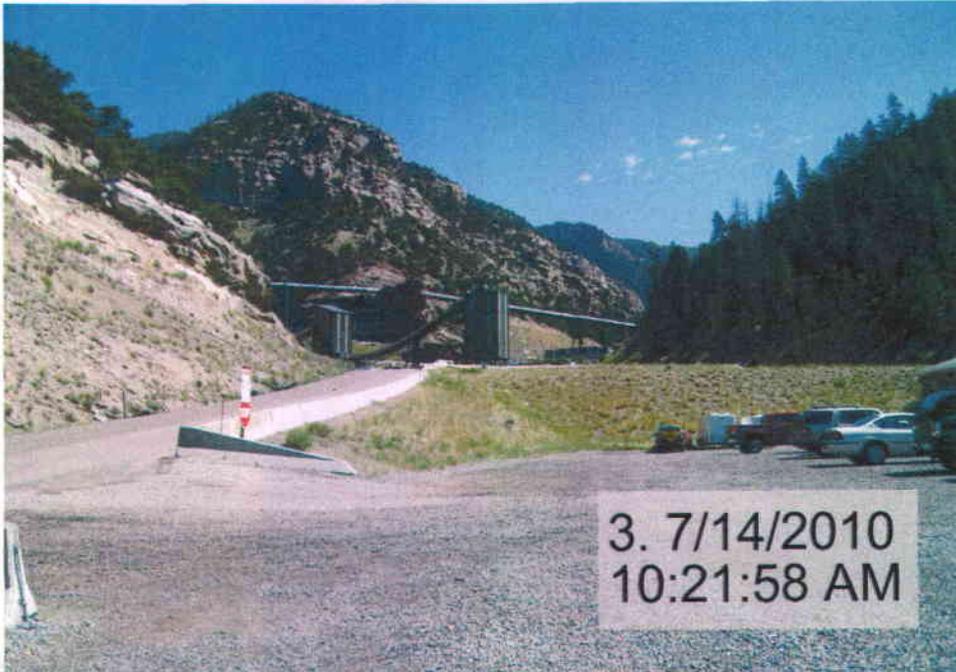
Process: Underground coal mining operation utilizing long-wall technology. Water from the mine is conveyed to a below ground collection area, where it is treated for iron via chemical flocculent and then continuously pumped out of the mine and discharged to the surface via Outfall 002. Surface water runoff is directed 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 from Outfall 002 to Grassy Trail Creek including Catchment Basin A and former Basin C & E locations. As part of the CSI, DWQ collected discharge compliance grab samples @ 11:10 am from Outfall 002 for TSS and total iron parameters and the results will be compared to the July 2010 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 at the US-6 crossing, with no evidence of coal fines observed there. At Outfall 002, the

West Ridge Mine 7-14-2010

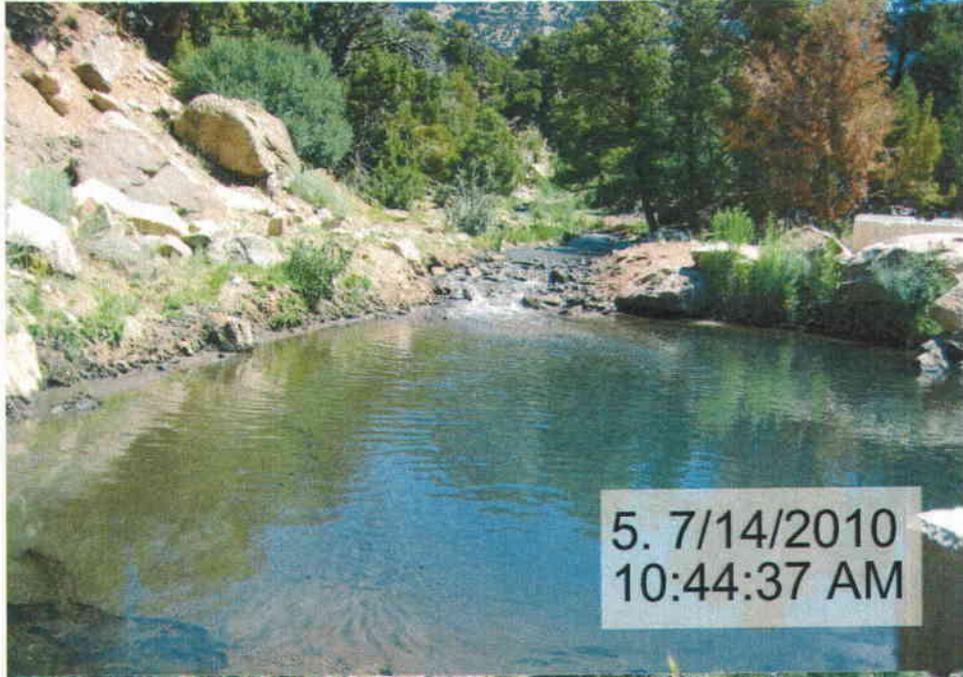




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4. 7/14/2010
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5. 7/14/2010
10:44:37 AM



6. 7/14/2010
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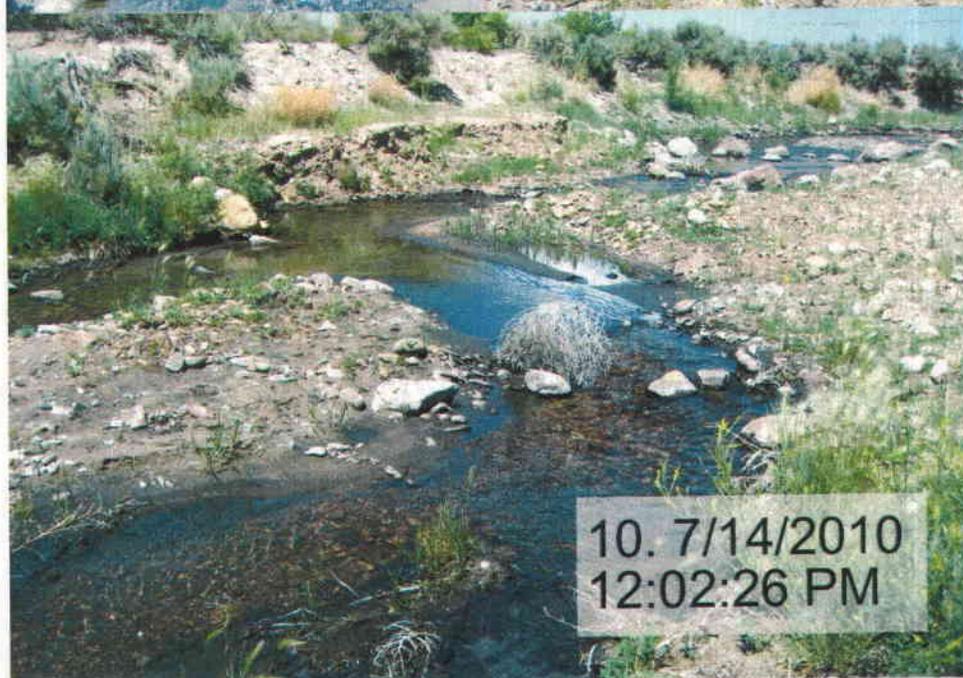
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8. 7/14/2010
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9. 7/14/2010
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10. 7/14/2010
12:02:26 PM



Location MAP

