

0005



State of Utah

GARY R. HERBERT
Governor

Department of
Environmental Quality

Amanda Smith
Acting Executive Director

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

C/007/039 Incoming
C/007/039
C/007/018

August 17, 2008⁹

Vicky S. Miller, Environmental Engineer
Canyon Fuel Company, LLC - Dugout Canyon Mine
P.O. Box 1029
Wellington, Utah 84542

Dear Ms. Miller:

Subject: Inspection Reports – UPDES Permit Nos. UT0025593 (Dugout Mine), UT0023680 (Soldier Creek Mine), and UTG040012 (Banning Loadout).

On August 11, 2009 Division of Water Quality staff met with you and Mr. Chris Hansen to conduct compliance evaluation, reconnaissance, and storm water inspections in regards to the UPDES Permit facilities referenced above. Specifically we discussed the current conditions at each facility and the permit renewal process for the Dugout Mine, which was followed by an accompanying tour of each facility, including the outfalls, sediment basins, effluent discharges and receiving waters as appropriate. No deficiencies were noted during the inspections and no written response is required at this time.

Enclosed are copies of the inspection reports for your records. I appreciated the efforts of you and Mr. Hansen to facilitate the inspections. 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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INSPECTION PROTOCOL

UPDES Permit #: UT0025593 – Dugout Mine
Inspection Type: Compliance Evaluation Inspection (CEI) + Storm Water Inspection
Inspection Date: August 11, 2009
Weather Conditions: Sunny, hot ~80°F

Jeff Studenka and Mike Herkimer of the Division of Water Quality (DWQ) met with Vicky Miller and Chris Hansen at the Canyon Fuel Company Dugout Mine Facility (Dugout). The purpose and scope of the inspection were explained, the U.S. EPA Region 8 NPDES Inspection Checklist was completed, and a full facility tour was conducted. This permit is up for renewal by December 1, 2009, therefore a CEI was being performed. There were no deficiencies listed from the previous inspection for follow up (8-12-2008). This inspection was limited to the above ground mine facility operations where the water collection and distribution systems are exposed in both Dugout and Pace Canyons. A discussion regarding the upcoming permit renewal and process was followed by a full facility tour, where the sediment ponds, outfall locations and receiving waters were all observed.

FACILITY DESCRIPTION

Location: Up Nine Mile Canyon Road, off Hwy. US 6 near Wellington, Utah.
Coordinates: Outfall 001 – 39° 41' 01" latitude, -110° 32' 44" longitude
Outfall 002 – 39° 40' 56" latitude, -110° 32' 52" longitude
Outfall 003 – 39° 41' 18" latitude, -110° 32' 29" longitude
Outfall 004 – 39° 36' 40" latitude, -110° 36' 43" longitude
Outfall 005 – 39° 40' 17" latitude, -110° 30' 29" longitude
Outfall 006 – 39° 40' 14" latitude, -110° 30' 32" longitude

Average Flow: ~0.35 MGD total (combined outfalls 001 & 005 for 2009)

Receiving waters: Dugout Creek & Pace Canyon Creek → Clark Valley Alfalfa fields
[Grassy Trail Creek → Price River during run off events]

Process: Active underground coal mining operation. Surface water runoff at the main facility is conveyed to an above ground settling pond with a discharge point (Outfall 002) to Dugout Creek. Continuous mine water discharge is pumped via outfalls 001 & 005, which at the time of the inspection were both discharging (001 to Dugout Creek and 005 to Pace Canyon Creek). The discharges do not reach downstream waters for most months of each year, as it is diverted to nearby farm fields. The water storage tank at the main facility is regularly discharged via outfall 003, but was not discharging at the time of the inspection. Outfall 004 is from the dry waste rock pile area that has not discharged to date and outfall 006 is from a sediment trap culvert in Pace Canyon that was also dry and not discharging. Outfalls 004 & 006 have not discharged to date.

INSPECTION SUMMARY

Sampling & Recordkeeping: The DMR files were reviewed and compared to the laboratory reports and field notes for May 2009. Effluent flows and pH are instantaneously measured on site and on a twice monthly basis as required. Calibrations checks for pH are performed prior to each use and recorded in a daily log journal. Samples for TSS, TDS, and total iron are collected twice per month

and sent overnight to ACZ labs in Steamboat Springs, Colorado for analyses. Effluent data information provided on the DMR was consistent with the data reported on the laboratory bench sheets and field notes. Sampling procedures were discussed and the appropriate numbers of samples are being collected and analyzed each month within the appropriate holding times as required.

Flow: As mentioned above, effluent flows from mine water discharges (001 & 005) come from two separate areas and are measured by two in-line electrical meters located underground in the mine just prior to the final effluent discharge into Dugout and Pace Canyon Creeks. Mine water flow via outfall 001 has a Rosemount meter readout in the adjacent pump house, which at the time of the inspection was reading 327 gal/min. The flow meters meet the requirements of the permit for instantaneous measurements. Currently there are no secondary flow measurement capabilities from the mine water discharges. Any effluent flows from Outfalls 002, 003, 004 & 006 are measured by utilizing a 5-gallon bucket and stopwatch to obtain gallons per minute.

Storm Water: The Storm Water Pollution Prevention Plan (SWPPP) was verified to be on site, certified and current as recently updated in July 2009. All surface water runoff is directed to the on site sedimentation basins. Regular inspections have been conducted and recorded as part of the SWPPP.

Site Walk & Tour: A visual tour of the facility and surrounding areas were conducted where the sediment ponds, outfall locations and receiving waters were all observed. The sedimentation pond for the main coal facility in Dugout Canyon (Outfall 002) had recently been cleaned out and contained a small amount of water as conditions have been dry again this year. At the time of the inspection, Outfalls 001 & 005 were flowing clear and steady with no problems observed. There was very minimal or no upstream flow at either location as is normal this time of year. Outfalls 002, 003, 004 & 006 were not discharging. Photos were collected for the file and are attached herein with a photo log.

DEFICIENCIES

No deficiencies with respect to the UPDES permit were noted during the inspection.

REQUIREMENTS

None.

ATTACHMENTS

1. US EPA Region 8 NPDES Inspection Checklist
2. Thirteen site photos and photo log
3. DWQ generated DMR monitoring audit form



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 UT0025593	yr/mo/day 090811	Inspection Type C	Inspector S	Fac. Type 2
1	2	3	11	12	17
Remarks					
21					
Inspection Work Days 2	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) CANYON FUEL CO. DUGOUT CANYON MINE Up Nine Mile Canyon Road NE of Wellington, UT	Entry Time/ Date 9:30 am / 8-11-2009	Permit Effective Date 12-1-2004
	Exit Time/ Date 2:30 pm / 8-11-2009	Permit Expiration Date 11-30-2009
Name(s) of On-Site Representative(s)/Title(s)/Phone and Fax Number(s) Vicky Miller, Environmental Engineer, 435-636-2869 Chris Hansen, Environmental Coordinator, 435-448-2669 Dave Spillman, Manager of Technical Services, 435-636-2872	Other Facility Data (e.g., SIC NAICS, and other descriptive information) Bituminous Coal Underground Mining Facility SIC Code 1222 NAICS 212112	
Name, Address of Responsible Official/Title/Phone and Fax Number Dave Spillman, Manager of Technical Services Canyon Fuel Company, LLC P.O. Box 1029 Wellington, UT 84542 (435) 636-2872	Contacted <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
SEE ATTACHED		

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 checked="" type="checkbox"/> Storm Water	
<input checked="" type="checkbox"/> Effluent/Receiving Waters	<input checked="" type="checkbox"/> Operations & Maintenance	<input type="checkbox"/> Combined Sewer Overflow	
<input checked="" 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: 8-14-09
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) 538-6058	Date: 8/17/09

INSTRUCTIONS

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

Column 1: Transaction Code: Use N, C, or D for New, Change, or Delete. All inspections will be *new* unless there is an error in the data entered.

Columns 3-11: NPDES Permit No. Enter the facility's NPDES permit number - third character in permit number indicates permit type for U=unpermitted, G=general permit, etc. (*Use the Remarks columns to record the State permit number, if necessary.*)

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).

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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.

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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.



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

Water Compliance Inspection Report

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USEPA REGION 8 NPDES INSPECTION CHECKLIST

NPDES PERMIT #: UT0025593

INSPECTION DATE: 8-11-09

FACILITY: DUGOUT Canyon Mine

Vicky Miller, Chris Hansen, Dave Spillman

on site: 9:30 am

off site: 2:30 pm

weather: Sunny ~ 80°F

DWG personnel: J. Studenka, M. Herkimer

I. PERMIT VERIFICATION

YES NO Inspection observations verify information contained in permit.

Yes No N/A 1. Current copy of permit on site. (Permit renewal by Dec. 1, 2009)

Yes No N/A 2. Name, mailing address, contact, and phone number are correct in PCS. If not, indicate correct information on Form 3560.

3. Brief description of the wastewater treatment plant:

Mine water is collected in at least 3 sumps and is directed to piping which is then pumped out above ground to outfalls 004 + 005. (Plus sed ponds above ground)

Yes No N/A 4. Facility is as described in permit. If not, what is different? _____

Yes No N/A 5. EPA/State has been notified of any new, different, or increased loading to the WWTP.

Yes No N/A 6. Number and location of discharge points are as described in the permit. **6 total**

Yes No N/A 7. Name of receiving water(s) is/are correct. DUGOUT CREEK + Pace Canyon Creek (001) → (003) (005 + 006)

Comments:

II. RECORDKEEPING AND REPORTING EVALUATION

YES NO Records and reports are maintained as required by permit.

Yes No N/A 1. All required information is current, complete, and reasonably available.

Yes No N/A 2. Information is maintained for the required 3 year period. SVRS

3. Sampling and analysis data are adequate and include:

Yes No N/A

a. Dates, times, locations of sampling.

Yes No N/A

b. Initials of individual performing sampling.

Yes No N/A

c. Referenced analytical methods and techniques in conformance with 40 CFR Part 136. DA Lab Reports

Yes No N/A

d. Results of analyses and calibration.

Yes No N/A

e. Dates of analyses (and times if required by permit).

Yes No N/A

f. Initials of person performing analyses.

Yes No N/A

g. Instantaneous flow at grab sample stations.

Yes No N/A
Yes No N/A

- 4. Sampling and analysis completed on parameters specified in permit.
- 5. Sampling and analysis done in frequency specified by permit.

Comments: May 2009 DMR data audited

Yes NO
Yes No N/A

DMR completion meets the self-monitoring reporting requirements.

- 1. Monitoring for required parameters is performed more frequently than required by permit. Parameter(s) AS required

Yes No N/A

- 2. Analytical results are consistent with the data reported on the DMRs.

Yes No N/A

- 3. All data collected are summarized on the DMR.

Yes No N/A

- 4. Monthly, weekly, and/or daily average loading values are calculated properly and reported on the DMR. (Effluent loadings are calculated using effluent flow.)

Yes No N/A

- 5. The geometric mean is calculated and recorded for fecal coliform data. only TDS loading required

Yes No N/A

- 6. Weekly and monthly averaging is calculated properly and reported on the DMR.

Yes No N/A

- 7. The maximum and minimum values of all data points are reported properly. TSS only required

Yes No N/A

- 8. The number of exceedances column (No. Ex.) is completed properly.

Comments: May 2009 DMR file audited - All holding times met, no problems identified.

WHOLE EFFLUENT TOXICITY TESTING AND REPORTING NO BIOMONITORING REQUIREMENTS

Yes NO N/A

WET sampling by permittee adequate to meet the conditions of the permit.

Yes No
Yes No
Yes No

- a. Chain of custody used.
- b. Method of shipment and preservation adequate (iced to 4°C).
- c. Type of sample collected _____ (as required by permit).
- d. Holding time met (received w/in 36 hours).

Yes No N/A

- 2. Lab reports/chain of custody sheets indicate temperature of sample at receipt by lab.

a. Indicate temperature _____

Yes No N/A

- 3. Permittee has copy of the latest edition of testing methods or Region 8 protocol. (Latest version is July 1993 - Colorado has its own guidance.)

Yes No N/A

- 4. Permittee reviews WET lab reports for adherence to test protocols.

Yes No N/A

- 5. Lab has provided quality control data, i.e., reference toxicant control charts.

Yes No N/A
Yes No N/A
Yes No N/A

- 6. Permittee has asked lab for QC data.
- 7. Permittee maintains copies of WET lab reports on site for required 3 year period, and makes them available for review by inspectors.
- 8. Evaluation and review of WET data by permittee adequate such that no follow up at lab is necessary. (Follow up to be conducted by EPA and/or State.)

Comments: Passed WET test in 2004 during initial permit development.

IV. FACILITY SITE REVIEW

Industrial site, not WWTP

YES NO

Treatment facility properly operated and maintained.

Yes No N/A

- 1. Standby power or other equivalent provision is provided. Specify type: Generators for safety reasons + evacuations.

Yes No N/A

- 2. Facility has an alarm system for power or equipment failures. What kind of problems has the facility experienced due to power failures? none

Yes No N/A

- 3. Treatment control procedures are established for emergencies. NOT WWTP

Yes No N/A

- 4. Facility can be by-passed (internal, collection system, total). Describe by-pass procedures: NOT WWTP

Yes No N/A

- 5. Regulatory agency was notified of any bypassing (treated and/or untreated).

Dates: _____

Yes No N/A

- 6. WWTP has adequate capacity to ensure against hydraulic and/or organic overloads.

Yes No N/A

- 7. All treatment units, other than back-up units, are in service. If not, what and why?

Sed ponds in service & cleaned out regularly

Yes No N/A

- 8. O&M manual available and up-to-date.

Yes No N/A

- 9. Procedures for plant O&M, including preventive maintenance schedules, are established and performed on time.

Yes No N/A

- 10. Adequate spare parts and supplies inventory (including flow meters) are maintained, as well as major equipment specifications and/or repair manuals.

Yes No N/A

- 11. Up-to-date maintenance and repair records are kept for major pieces of equipment.

→ Not WWTP, O&M not evaluated

12. Number of qualified operators and staff.

How many?

Certification Level

NOT WWTP

_____	_____
_____	_____
_____	_____

n/a

Yes No N/A

13. Certification level meets State requirement?

14. What procedures or practices are used to train new operators? n/a

V. SAFETY EVALUATION

YES NO

Facility has the necessary safety equipment.

Yes No N/A

1. Procedures are established for identifying out-of-service equipment. What are they?

Lock out / Tag-out

Yes No N/A

2. Personal protective clothing provided (safety helmets, ear protectors, goggles, gloves, rubber boots with steel toes, eye washes in labs).

Yes No N/A

3. Laboratory safety devices (eyewash and shower, fume hood, proper labeling and storage, pipette suction bulbs) available. no lab on site

Yes No N/A

4. Plant has general safety structures such as rails around or covers over tanks, pits, or wells. Plant is enclosed by a fence.

Yes No N/A

5. Portable hoists for equipment removal available.

Yes No N/A

6. All electrical circuitry enclosed and identified.

Yes No N/A

7. Chlorine safety is adequate and includes:

no chlorine on site for

mine water discharges

- a. NIOSH-approved 30-minute air pack.
- b. All standing chlorine cylinders chained in place.
- c. All personnel trained in the use of chlorine.
- d. Chlorine repair kit.
- e. Chlorine leak detector tied into plant alarm system.
- f. Ventilation fan with an outside switch.
- g. Posted safety precautions.

Yes No N/A

8. Warning signs (no smoking, high voltage, nonpotable water, chlorine hazard, watch-your-step, and exit) posted.

Yes No N/A

9. Gas/explosion controls such as pressure-vacuum relief valves, no smoking signs, explosimeters, and drip traps present near anaerobic digesters, enclosed screening or degritting chambers, and sludge-piping or gas-piping structures. NOT WWTP

Yes No N/A

10. Emergency phone numbers listed. (on signage)



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 UT0023680	yr/mo/day 090811	Inspection Type R	Inspector S	Fac. Type 2
Remarks					
Inspection Work Days 1	Facility Self-Monitoring Evaluation Rating 5	BI N	QA N	Reserved	

Section B: Facility Data

Name and Location of Facility Inspected (For industrial users discharging to POTW, also include POTW name and NPDES permit number) CANYON FUEL CO. SOLDIER CREEK MINE (inactive facility) Up Nine Mile Canyon Road NE of Wellington, UT	Entry Time/ Date 12:20 pm / 8-11-2009	Permit Effective Date 4-1-2006
	Exit Time/ Date 12:30 pm / 8-11-2009	Permit Expiration Date 3-31-2011
Name(s) of On-Site Representative(s)/Title(s)/Phone and Fax Number(s) Vicky Miller, Environmental Engineer, 435-636-2869 Chris Hansen, Environmental Coordinator, 435-448-2669	Other Facility Data (e.g., SIC NAICS, and other descriptive information) (Idled and unstaffed) Bituminous Coal Underground Mining Facility SIC Code 1222 NAICS 212112	
Name, Address of Responsible Official/Title/Phone and Fax Number Dave Spillman, Manager of Technical Services Canyon Fuel Company, LLC P.O. Box 1029 Wellington, UT 84542 (435) 636-2872	Contacted Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	SEE ATTACHED

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 checked="" 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: 8-14-09
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) 538-6058	Date: 8/17/09

INSPECTION PROTOCOL

UPDES Permit #: UT0023680 – Soldier Creek Mine
Inspection Type: Reconnaissance Inspection + Storm Water Inspection
Inspection Date: August 11, 2009
Weather Conditions: Sunny and hot, ~80°F

Jeff Studenka and Mike Herkimer of the Division of Water Quality (DWQ) met with Vicky Miller and Chris Hansen of the Canyon Fuel Company Soldier Creek inactive coal mine facility. The purpose for the site visit was to perform an inspection while already in the area.

FACILITY DESCRIPTION

Location: 13 miles up Nine Mile Canyon Road, off Hwy. US 6 near Wellington, Utah

Coordinates: Outfall 001 – 39° 42' 02" latitude, -110° 36' 39" longitude
Outfall 002 – 39° 41' 52" latitude, -110° 36' 46" longitude
Outfall 003 – 39° 42' 09" latitude, -110° 36' 38" longitude

Average Flow: No discharges since 1999, inactive mine facility.

Receiving water: Soldier Creek → Price River

Process: Inactive underground coal mining operation. The mine portals are sealed and there is no discharge of mine water (Outfalls 001 & 003). Surface water is conveyed to an above ground settling pond with a discharge point (Outfall 002) to Soldier Creek.

INSPECTION SUMMARY

There were no deficiencies noted during the last inspection for follow up (8-12-2008). This inspection was limited to outside the facility fencing where the water collection and distribution systems are exposed. The dry sediment pond, outfall location and receiving waters were observed with no deficiencies. At the time of the inspection, the sedimentation pond was dry with no evidence of any recent discharges and the receiving stream of Soldier Creek was at very low flow and near dry conditions. The Storm Water Pollution Prevention Plan is located at the main offices at the Dugout Mine site and was verified to be current and certified as last updated in January 2009.

DEFICIENCIES

No deficiencies with respect to the UPDES permit were noted during the inspection.

REQUIREMENTS

None.



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 UTG040011	yr/mo/day 090811	Inspection Type ~	Inspector S	Fac. Type 2
1	2	3	11	12	17
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) CANYON FUEL CO. BANNING LOADOUT (inactive facility) ~ 10 miles East of Wellington, UT off US 6 near the UT HWY 123 interchange	Entry Time/ Date 2:45 pm /8-11-2009	Permit Effective Date 5-1-2008
	Exit Time/ Date 3:00 pm/ 8-11-2009	Permit Expiration Date 4-30-2013
Name(s) of On-Site Representative(s)/Title(s)/Phone and Fax Number(s) Vicky Miller, Environmental Engineer, 435-636-2869 Chris Hansen, Environmental Coordinator, 435-448-2669	Other Facility Data (e.g., SIC NAICS, and other descriptive information) Former Coal Mining Services and Support Facility SIC Code 1241 NAICS 213113 Non-discharging, inactive facility since 2000. In the process of reclamation. SEE ATTACHED	
Name, Address of Responsible Official/Title/Phone and Fax Number Dave Spillman, Manager of Technical Services Canyon Fuel Company, LLC P.O. Box 1029 Wellington, UT 84542 (435) 636-2872	Contacted <input checked="" type="checkbox"/> Yes <input 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 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 checked="" 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: 8-14-09
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) 538-6058	Date: 8/17/09



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 G 0 4 0 0 1 1	yr/mo/day 0 9 0 8 1 1	Inspection Type R	Inspector S	Fac. Type 2
1	2	3	11	12	17
Remarks					
21					
66					
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

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<input checked="" type="checkbox"/> Effluent/Receiving Waters	<input type="checkbox"/> Operations & Maintenance	<input type="checkbox"/> Combined Sewer Overflow	
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Section D: Summary of Findings/Comments

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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) 538-6058	Date: 8/17/09

INSPECTION PROTOCOL

UPDES Permit #: UTG040011 – Banning Loadout
Inspection Type: Reconnaissance Inspection + Storm Water Inspection
Inspection Date: August 11, 2009
Weather Conditions: Sunny and hot, ~80°F

Jeff Studenka and Mike Herkimer of the Division of Water Quality (DWQ) met with Vicky Miller and Chris Hansen of the Canyon Fuel Company inactive Banning rail load out facility. The purpose for the site visit was to perform an inspection while already in the area.

FACILITY DESCRIPTION

Location: ~10 miles East of Wellington, Utah off Hwy. US 6 at the SW intersection of Utah Hwy. 123. Coordinates: 39° 31' 00" latitude, -110° 34' 00" longitude.

Average Flow: No discharges, inactive facility since 2000

Receiving waters: Unnamed Tributary → Grassy Trail Creek → Price River

Process: Inactive former rail car coal load out facility. Most of the equipment and scrap steel have been removed while the lone sedimentation pond and outfall location remain intact. The facility is in the process of being reclaimed.

INSPECTION SUMMARY

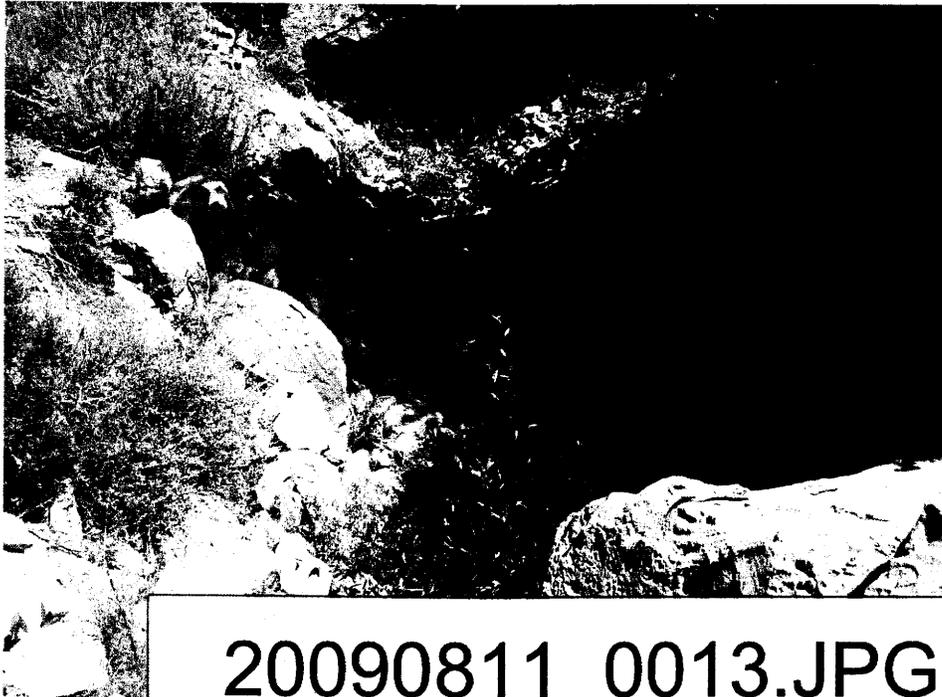
There were no deficiencies noted during the last inspection for follow up (8-12-2008). The dry sedimentation pond, outfall location and dry receiving water streambed were observed with no deficiencies. The Storm Water Pollution Prevention Plan is located at the main offices at the Dugout Mine site and was verified to be current and certified as last updated in January 2009.

DEFICIENCIES

No deficiencies with respect to the UPDES permit were noted during the inspection.

REQUIREMENTS

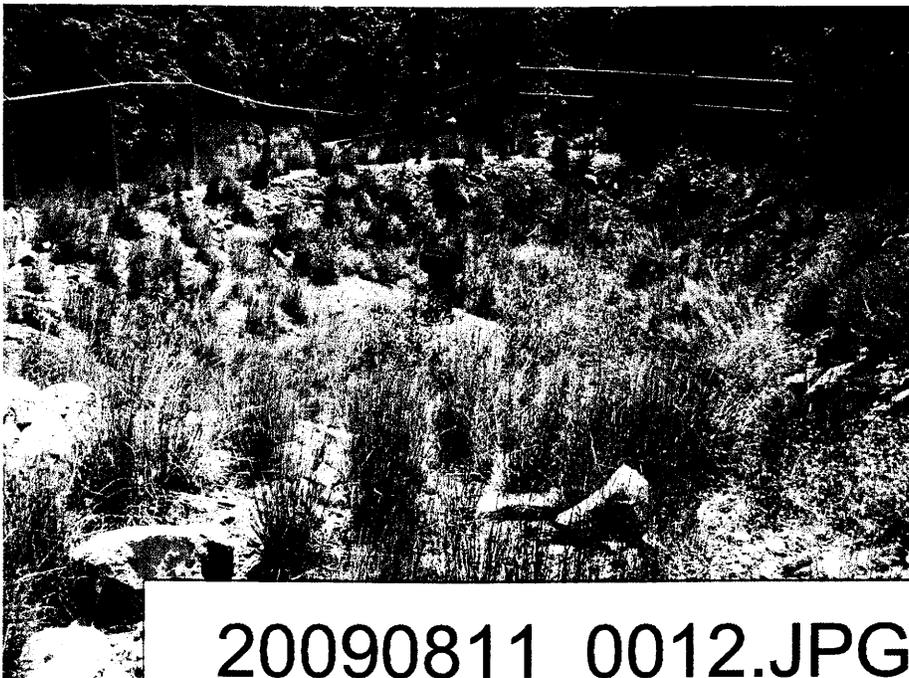
None.



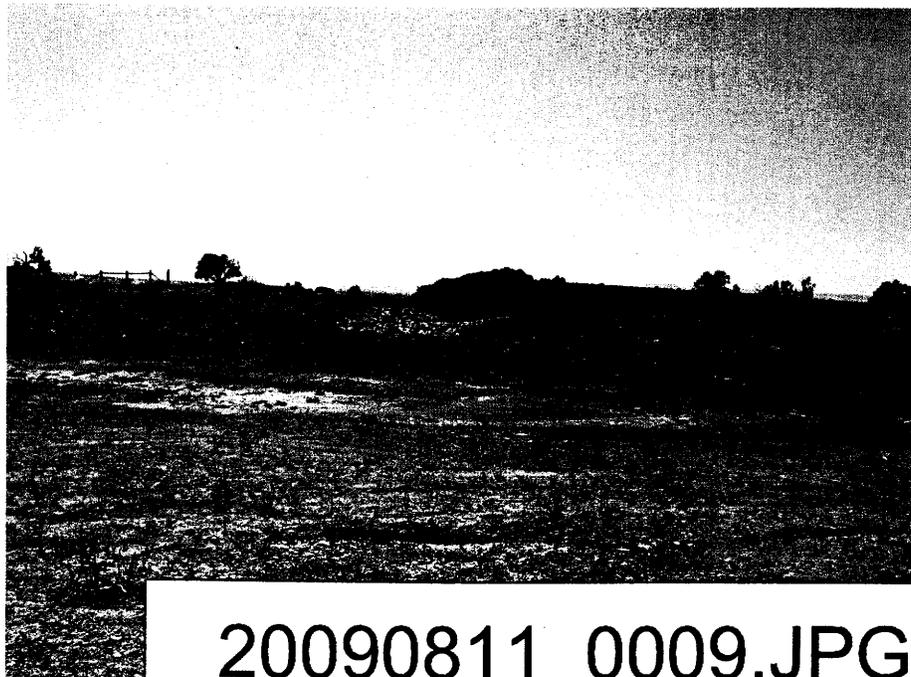
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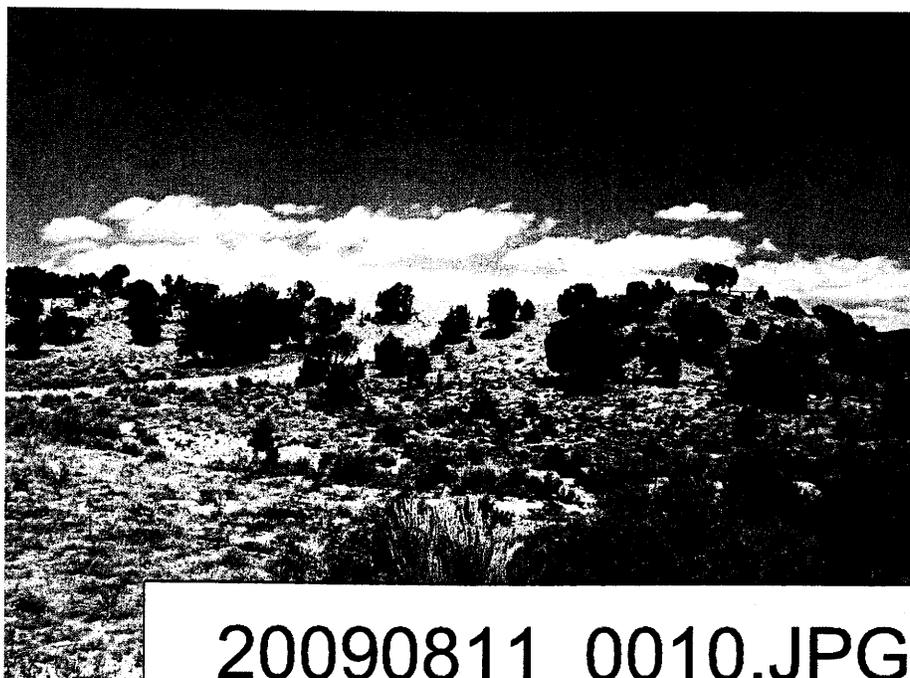
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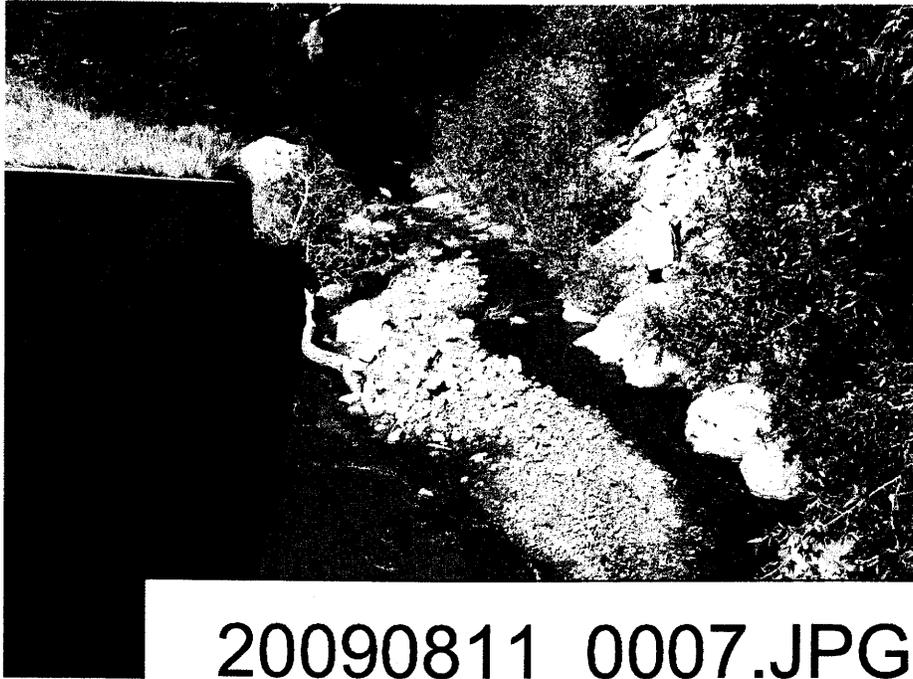
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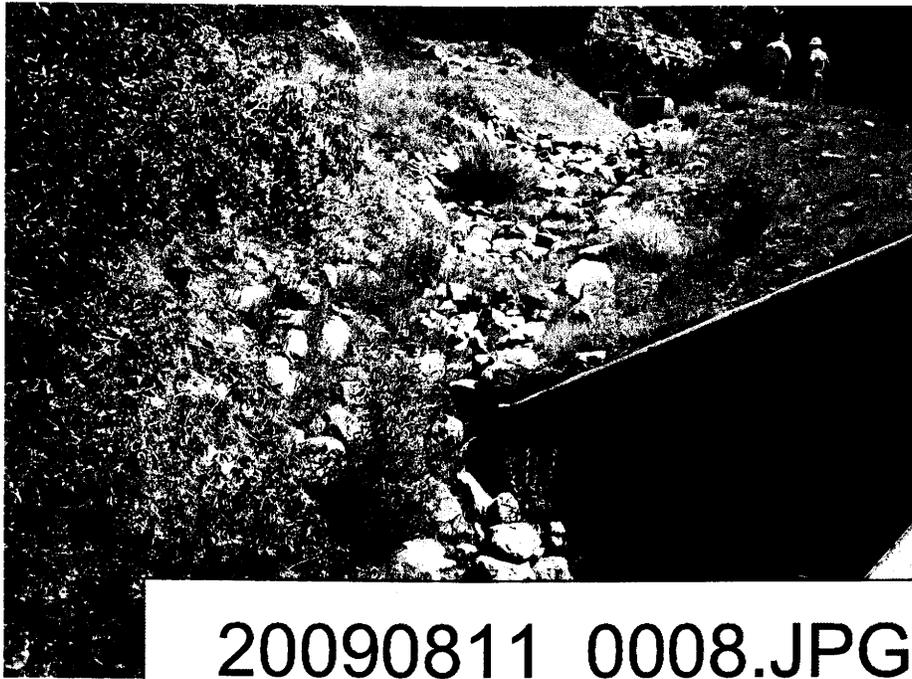
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20090811_0010.JPG



20090811_0007.JPG



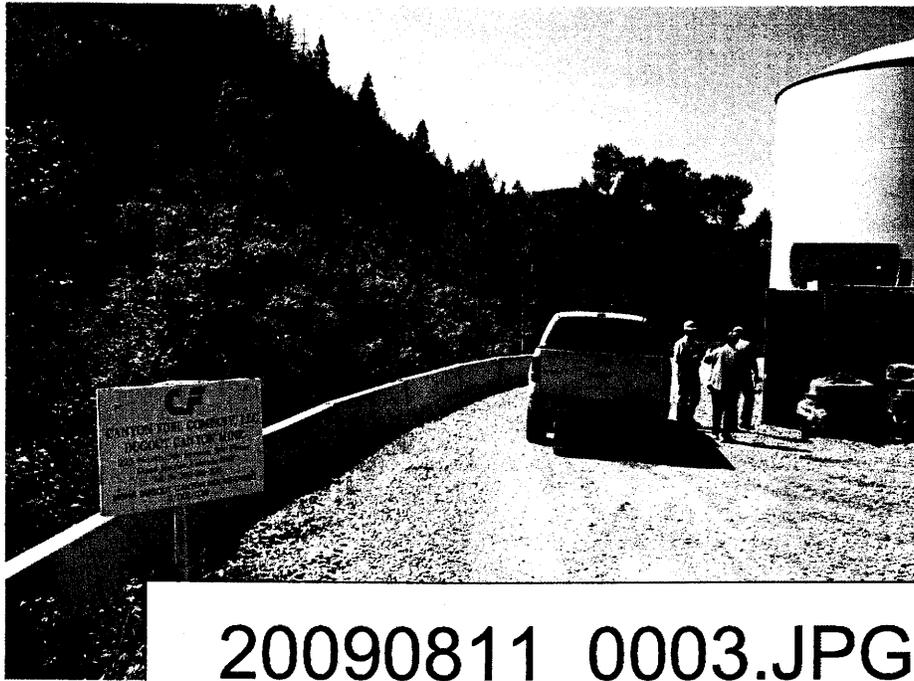
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20090811_0005.JPG



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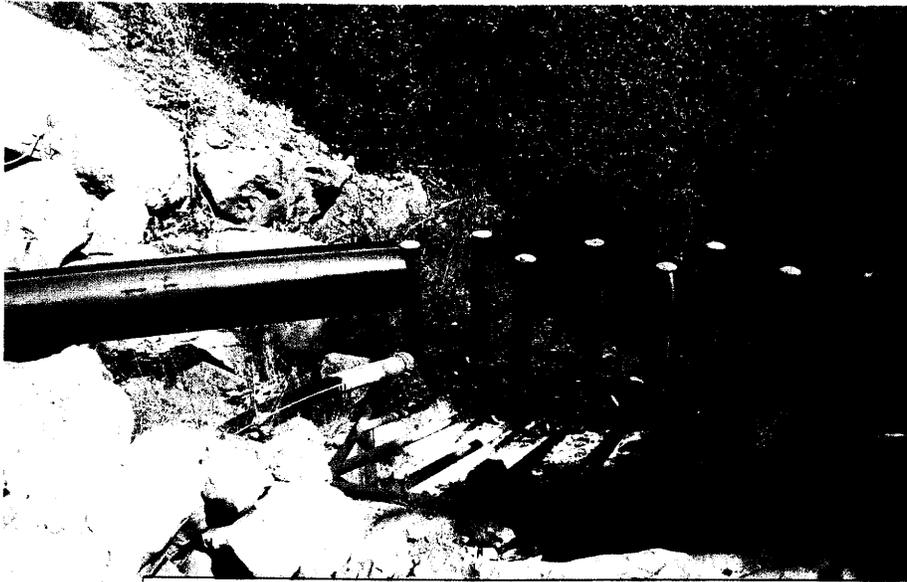


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20090811_0004.JPG

Dugout Mine CEI 8-11-2009



20090811_0001.JPG



20090811_0002.JPG

Facility: Canyon Fuel Company Dugout Mine (UT0025593)

DMR Audited: May 2009

Parameter	Required Monitoring Frequency, Type	Actual Monitoring Frequency	Type of Permit Violation	Notes
Flow Rate	twice/month, measured	twice/month	none	On site instantaneous measurements
pH	twice/month, grab	twice/month	none	On site instantaneous measurements
TDS	twice/month, grab	twice/month	none	Salinity-Offset tracking provided each month also
TSS effluent	twice/month, grab	twice/month	none	
Oil & Grease	twice/month, visual/grab	twice/month	none	visual tests, grab samples only if sheen observed
Total Iron	twice/month, grab	twice/month	none	

VIII. COMPLIANCE SCHEDULE STATUS REVIEW

Na

YES NO

The permittee is meeting the compliance schedule

N/A

1. Is the facility subject to a compliance schedule either in its permit or in an order? If facility is subject to an order, note docket number: _____

2. What milestones remain in the schedule? _____

(Attach additional sheets as necessary.)

Yes No *N/A*

3. Facility is in compliance with unachieved milestones.

Yes No *N/A*

4. Facility has missed milestone dates, but will still meet the final compliance date.

IX. PERMITTEE SAMPLING EVALUATION

YES NO

Sampling meets the requirements and intent of the permit.

Yes No *N/A*

1. Samples are taken at sampling location specified by permit.

Yes No *N/A*

2. Locations are adequate for representative samples.

Yes No *N/A*

3. Flow proportioned samples are obtained. *Grab only*

Yes No *N/A*

4. Permittee is using method of sample collection required by permit.
 Required method: Grab
 If not, method being used is:
 Grab
 Manual
 Automatic composite

Yes No *N/A*

5. Sample collection procedures adequate and include:

Yes No *N/A*

a. Sample refrigeration during compositing. *Grab only*

Yes No *N/A*

b. Proper preservation techniques. *Lab preserves + ice*

Yes No *N/A*

c. Containers in conformance with 40 CFR 136.3.

Specify any problems: Lab provided containers, no problems identified.

Comments:

SWPPP on site, last updated July 2009

2. Flow Verification

Accuracy of Flow Measurement (Secondary against Primary)	
	Type and size of primary device
	EFF:
Reading from primary standard, feet and inches	N/A
Equivalent to actual flow, mgd	
Facility-recorded flow from secondary device, mgd	
Percent Error	
Correction Factor	

Fill in above only if the primary device has been correctly installed, or if correction factor is known.

Comments:

Primary only

VII. LABORATORY QUALITY ASSURANCE

YES NO

Laboratory procedures meet the requirements and intent of the permit.

Yes No N/A

1. Commercial laboratory is used.

Parameters	TSS, TDS, Iron
Name	ACZ Labs
Address	2773 Downhill Drive
Contact	Steamboat Springs, CO
Phone	800-334-5493

Yes No N/A

2. According to the permittee, commercial laboratory is State certified (ND & UT only).

Yes No N/A

3. Written laboratory quality assurance manual is available, if the facility does its own lab work.

pH only (SOP in development, instruction manuals)

Yes No N/A

4. Quality control procedures are used. Specify: Calibration checks

before each sampling system

Yes No N/A

5. Calibration and maintenance of laboratory instruments and equipment is satisfactory.

Yes No N/A

6. Samples are analyzed in accordance with 40 CFR 136. (Per lab reports)

pH Meter

Yes No N/A

7. Results of last DMR/QA test available. Date: _____

Yes No N/A

8. Facility lab does analyses for other permittees. If yes, list the facilities and their permit numbers.

Yes No N/A

1. Venturi meter is installed downstream from a straight and uniform section of pipe?

B. Secondary Flow Measurement

Primary only

1. General

1. What are the most common problems that the operator has had with the secondary flow measurement device? *N/A*

Yes No N/A
Yes No N/A
Yes No N/A

2. Flow records properly kept.
a. All charts maintained in a file.
b. All calibration data kept.

Yes No N/A

3. Secondary device calibration records are kept.
a. Frequency of secondary device calibration: / year.
4. Frequency of flow totalizer calibration: / year.

Yes No N/A

5. Secondary instruments (totalizers, recorders, etc.) are properly operated, calibrated, and maintained.

Floats

Type and model: *N/A* EFF

Bubblers

Type and model: *N/A* EFF

Ultrasonic

Type and model: *N/A* EFF

Electrical

Type and model: *N/A* EFF

Comments:

Flows from Sed ponds are measured by utilizing a 5-gal. bucket & stopwatch during discharging events, which only occur once per year when sed pond (002) is cleaned out. SW discharges do not happen but very rarely.

- Yes No N/A 5. Sides of flume throat are vertical and parallel.
- Yes No N/A 6. Side walls of flume are vertical and smooth.
- Yes No N/A 7. Flume head is being measured at proper location. *(Location dependent on flume type - see NPDES Compliance Inspection Manual or ISCO book.)*
- Yes No N/A 8. Flume is under free flow conditions at all times. *(Flume is not submerged.)*

Weirs

Type: na EFF

- Yes No N/A 1. Weir is level.
- Yes No N/A 2. Weir plate is plumb and its top edges are sharp and clean.
- Yes No N/A 3. Downstream edge of weir is chamfered at 45°.
- Yes No N/A 4. There is free access for air below the nappe of the weir.
- Yes No N/A 5. Upstream channel of weir is straight for at least four times the depth of water level, and free from disturbing influences.
- Yes No N/A 6. Distance from sides of weir to side of channel at least 2H.
- Yes No N/A 7. Area of approach channel at least 8 x nappe area for upstream distance of 15H. *(If not, is velocity of approach too high?)*
- Yes No N/A 8. Weir is under free-flow conditions at all times. *(Weir is not submerged.)*
- Yes No N/A 9. The stilling basin of the weir is of sufficient size and clear of debris.
- Yes No N/A 10. Head measurements are properly made by facility personnel.
- Yes No N/A 11. Weir is free from leakage.

3. Closed Channel Primary Measuring Devices

Electromagnetic Meters

Type and model: na EFF

- Yes No N/A 1. There is a straight length of pipe or channel before and after the flowmeter of at least 5 to 20 diameters.
- Yes No N/A 2. There are no sources of electric noise in the near vicinity.
- Yes No N/A 3. Magnetic flowmeter is properly grounded.
- Yes No N/A 4. Full pipe requirement is met.

Ultrasonic Meters

Type and model: na EFF

- Yes No N/A 11. Plant is generally clean, free from open trash areas.
- Yes No N/A 12. MSDS sheets, if required, are accessible by employees.

Comments:

VI. FLOW MEASUREMENT

YES NO FLOW MEASUREMENT MEETS THE REQUIREMENTS AND INTENT OF PERMIT

A. PRIMARY EFFLUENT FLOW MEASUREMENT

1. General

Type of primary flow measurement device: 2 in-line electrical flow meters underground
Readout in pump house: Rosemount = 327 gpm

- Yes No N/A 1. Primary flow measuring device is properly installed and maintained.
Where? prior to each outfall
- Yes No N/A 2. Flow measured at each outfall. Number of outfalls: 6 (SIX)
- 3. Frequency of routine inspection of primary flow device by operator:
1/day week or more as needed
- 4. Frequency of routine cleaning of primary flow device by operator:
1/week. N/A
- Yes No N/A 5. Influent flow is measured before all return lines.
- Yes No N/A 6. Effluent flow is measured after all return lines.
- Yes No N/A 7. Proper flow tables are used by facility personnel.
- 8. Design flow: ~2000 gpm (OOD + OOS - Minewater discharge)
- Yes No N/A 9. Flow measurement equipment adequate to handle expected ranges of flow rate.

2. Open Channel Primary Flow Measuring Devices

Flumes
 Type and size: N/A EFF

- Yes No N/A 1. Flume is located in a straight section of the open channel, without bends immediately upstream or downstream.
- Yes No N/A 2. Flow entering flume appears reasonably well distributed across the channel and free of turbulence, boils, or other distortions.
- Yes No N/A 3. Flume is clean and free of obstructions, debris or deposits.
- Yes No N/A 4. All dimensions of flume accurate and level.