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State of Utah

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Department of  
Environmental Quality

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Executive Director

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

RECEIVED

SEP 08 2011

OGM PRICE FIELD OFFICE

September 1, 2011

Bob Brobst, P.E.  
Biosolids Coordinator, 8P-W-P  
U. S. Environmental Protection Agency  
Region VIII  
1595 Wynkoop Street  
Denver, Colorado 80202-1129

Dear Mr. Brobst:

Subject: White Oak Mine Reclamation Site

Attached are the results from the reconnaissance inspection that I conducted on August 4, 2011.

Thank you for your input, if you have any questions, suggestions or comments please call me at (801) 536-4384, or email me at mschmitz@utah.gov.

Sincerely,

Mark Schmitz, Environmental Scientist  
Permits & Compliance Section

MS:st

Enclosures (3)

cc: Central Utah Public Health Department  
John Chartier, District Engineer  
Priscilla Burton, Utah Department of Natural Resources

Mschmitz/wp/White Oak Mine Insp. Ltr. 2011



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

# Water Compliance Inspection Report

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

Transaction Code		NPDES				yr/mo/day		Inspection Type	Inspector	Fac. Type
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
1	2	3	4	5	6	7	8	9	10	11
Remarks										
21										
Inspection Work Days		Facility Self-Monitoring Evaluation Rating				BI	QA	Reserved		
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
67	68	69	70	71	72	73	74	75	76	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)	Entry Time/ Date	Permit Effective Date
	10:00 am	N/A
White Oak Mine Reclamation Site	Exit Time/ Date	Permit Expiration Date
	2:00 p.m.	N/A
Name(s) of On-Site Representative(s)/Title(s)/Phone and Fax Number(s)	Other Facility Data (e.g., SIC NAICS, and other descriptive information)	
Priscilla Burton, Utah Department of Natural Resources, Division of Oil, Gas and Mining, Environmental Scientist and Project Manager		
Name, Address of Responsible Official/Title/Phone and Fax Number	Contacted	
	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

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

<input 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 type="checkbox"/> Effluent/Receiving Waters	<input checked="" type="checkbox"/> Operations & Maintenance	<input type="checkbox"/> Combined Sewer Overflow	
<input type="checkbox"/> Flow Measurement	<input checked="" 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
<input type="text"/>	_____
<input type="text"/>	_____
<input type="text"/>	_____
<input type="text"/>	_____

Name(s) and Signature(s) of Inspector(s)	Agency/Office/Phone and Fax Number(s)	Date:
Mark Schmitz, Biosolids Coordinator 	Division of Water Quality (801) 536-4384	September 1, 2011
Name and Signature of Management Q A Reviewer	Agency/Office/Phone and Fax Number(s)	Date:
John Kennington, P.E., UPDES Engineering Section Manager 	Division of Water Quality (801) 536-4380	September 1, 2011

## INSPECTION PROTOCOL

UPDES Permit #: N/A  
Inspection Type: Biosolids Inspection  
Inspection Date: August 4, 2011

Mark Schmitz, Biosolids Coordinator, with the Utah Division of Water Quality, met with Priscilla Burton, with the Utah Department of Natural Resources, Division of Oil, Gas and Mining, Environmental Scientist and Project Manager (DNR).

## FACILITY DESCRIPTION

Location: Latitude 39° 40.02' 11" N  
Longitude 111° 11' 14" 75' W

Process: N/A

## INSPECTION SUMMARY

Last fall, Priscilla and I consulted with Bob Brobst, P.E., EPA Region 8, on the on appropriate biosolids agronomic rates to revegetate part of the old mine site. We contacted the Price River Improvement District (Price WWTP) and the Spanish Fork City WWTP. Between the two of them they donated 193 DMT of Class B biosolids (Class A biosolids with respect to heavy metals). The DWQ kicked in another \$45,000 dollars on top of the \$300,000 the DNR had committed to this reclamation project to help haul the biosolids to the site. I went to look at the site with Priscilla in July 2010, and we were lucky enough to be there during a thunderstorm event and collect some samples, as Whiskey Creek is usually only flowing during spring runoff and storm events. (Please see attached). Whiskey Creek is a tributary to Mud Creek which flows to Scofield Reservoir which is impaired for phosphorus. (please see attached photos).

I will try to visit the site again next summer to what progress has been made.

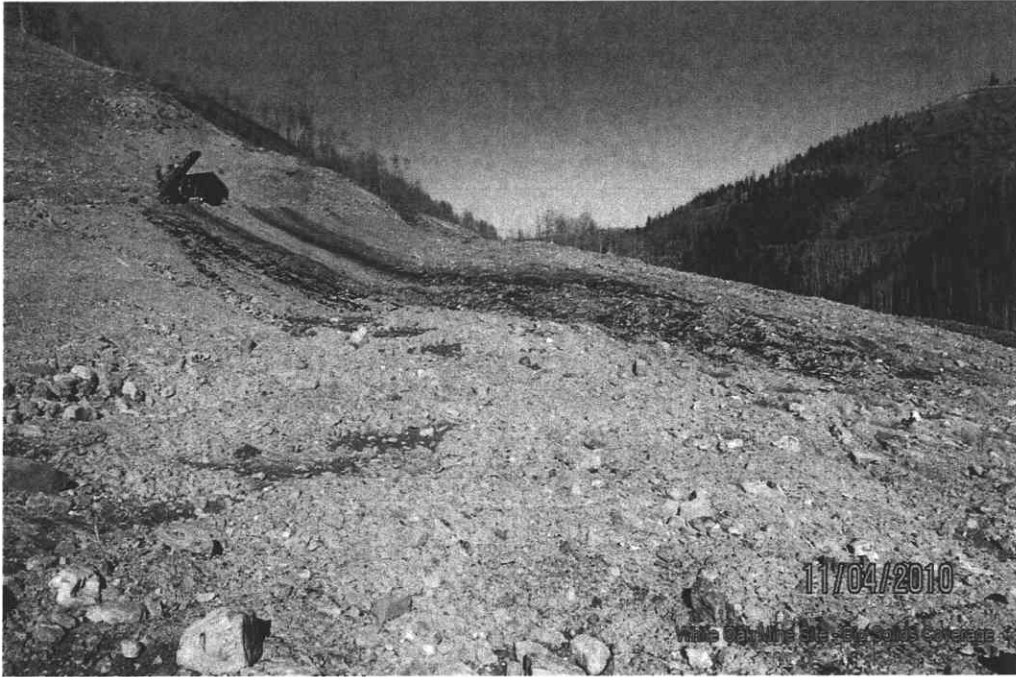


Photo 1 above



Photo 2

Photo 3 description is partially correct. Photo 3 is the reclaimed access to the small sinkhole. It was also used to gather rock for the rip rap channel. The reclaimed road in photo 3 is also shown at the bottom of photo 2, being used by the track hoe. Priscilla Burton  
9/9/11

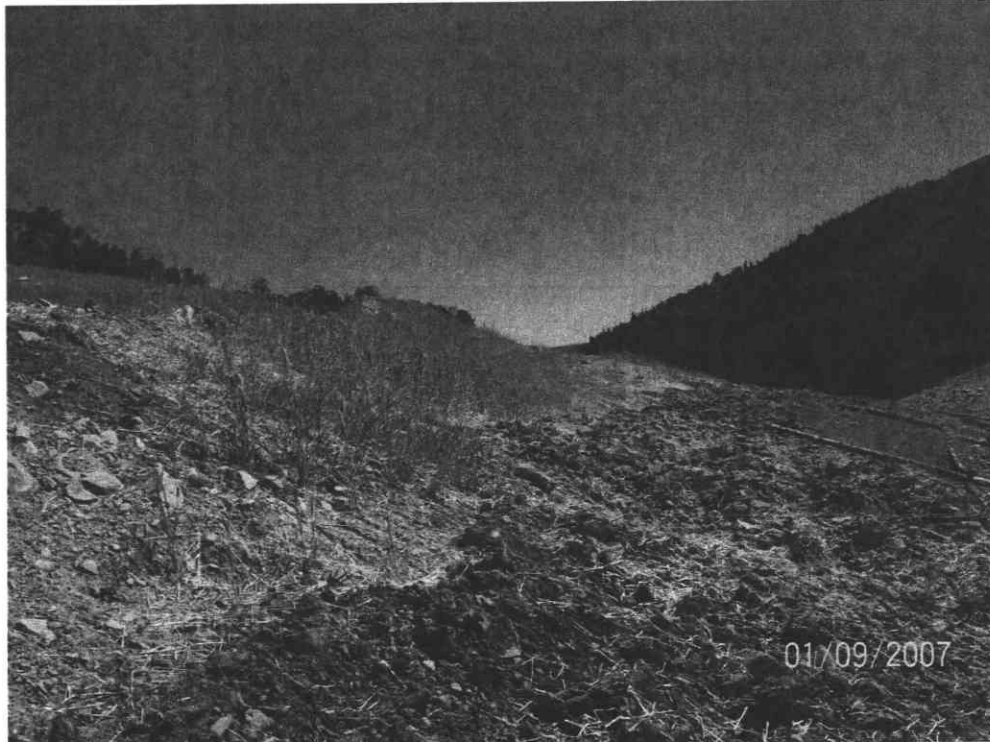


Photo 3, the roughed up area on the right was the access road to put in the rip-rap below. It was reseeded by hand after the rip-rap was completed.

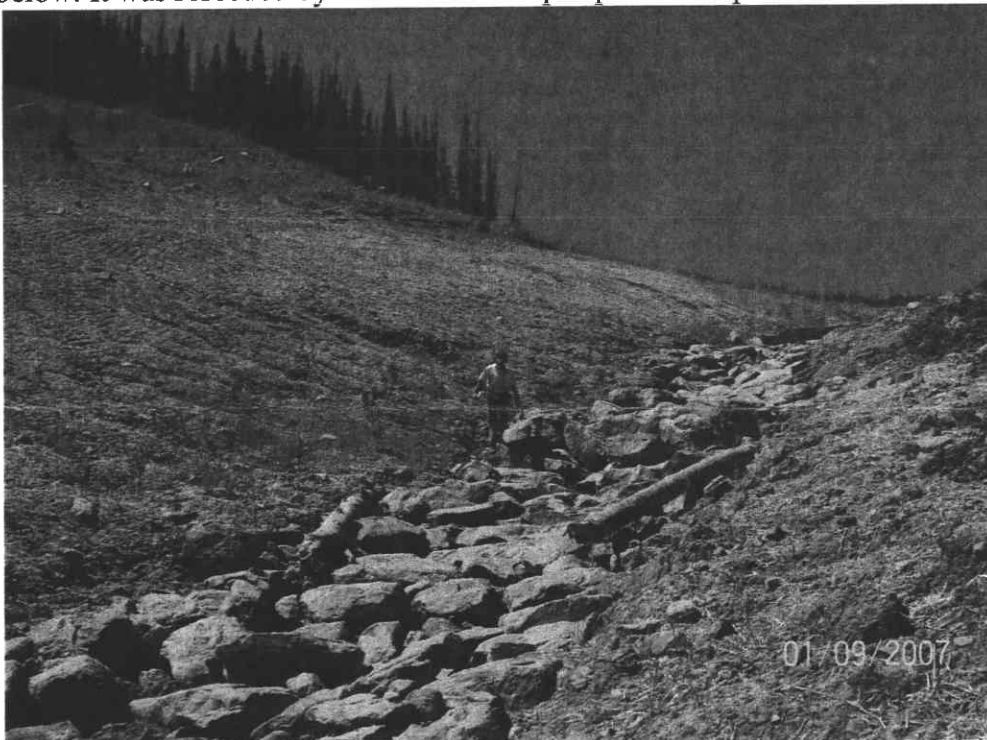


Photo 4- wrong dates on photos 3 & 4, the correct dates are 8/4/11. Priscilla and rip-rap along Whiskey Creek.

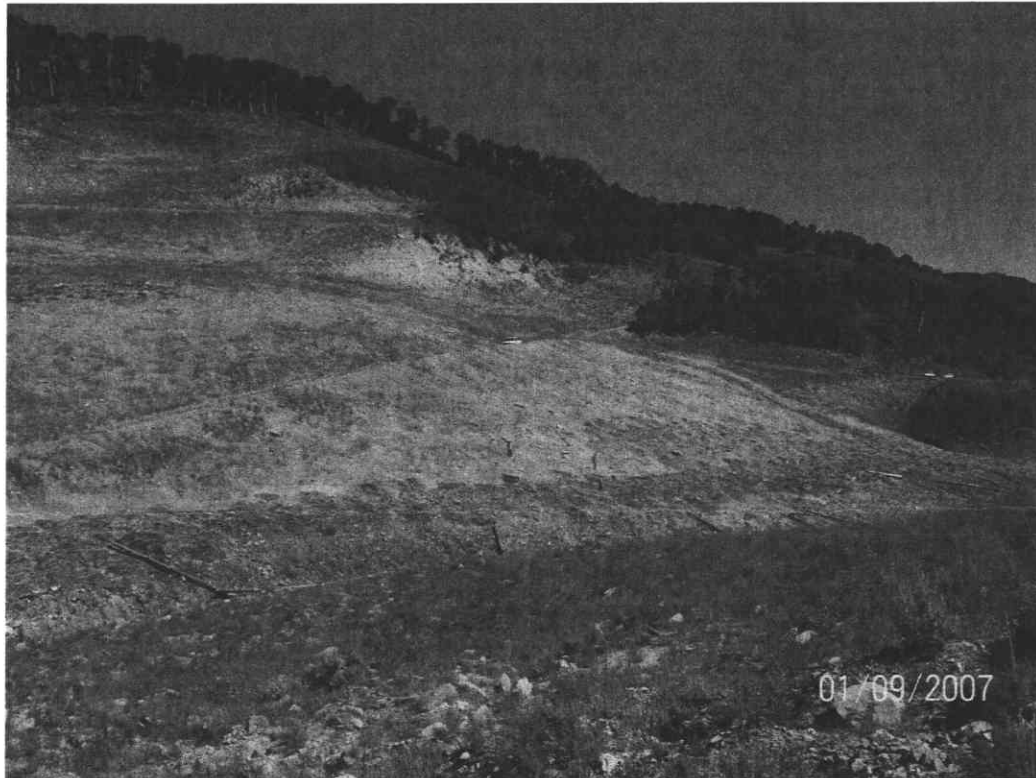


Photo 5-the area on the bottom was reclaimed 30 years ago.

Above description is incorrect. The bottom of the frame is the west facing slope of the white Oak mine. It was reclaimed at the same time as the east facing slopes, in 2004. The west facing slope was not re-disturbed by the white Oak restoration project in 2010.

Emalla Burton  
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**OGMCOAL - White Oak site analytical**

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**From:** Kevin Lundmark  
**To:** Mark Schmitz  
**Date:** 9/8/2010 7:50 AM  
**Subject:** White Oak site analytical  
**CC:** OGMCOAL; Priscilla Burton  
**Attachments:** 20100908083221.pdf

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Hi Mark,

I've attached the analytical results for the sample I collected from Whiskey Creek during our site visit on 29 July 2010. The measured field parameters at the time of sampling were pH = 8.24, temperature = 14.1 C. Please let me know if you have any questions.

Thanks,  
Kevin

Kevin Lundmark  
Environmental Scientist II  
Division of Oil, Gas & Mining  
[kevinlundmark@utah.gov](mailto:kevinlundmark@utah.gov)  
(801)538-5352