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GREG BELL
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

Inspection Report

Permit Number:	C0070038
Inspection Type:	COMPLETE
Inspection Date:	Friday, November 14, 2014
Start Date/Time:	11/14/2014 10:00:00 AM
End Date/Time:	11/14/2014 1:00:00 PM
Last Inspection:	Thursday, October 23, 2014

Inspector: Cheryl Parker

Weather: Partly Cloudy, low 40's upper 30's

InspectionID Report Number: 4021

Accepted by: JHELFRIC

12/1/2014

Representatives Present During the Inspection:	
OGM	Cheryl Parker
OGM	Keenan Storrar
OGM	Daron Haddock
Company	Dennis Ware

Permitee: **PLATEAU MINING CORP**
 Operator: **PLATEAU MINING CORP**
 Site: **WILLOW CREEK MINE**
 Address: **PO BOX 30, HELPER UT 84526-0030**
 County: **CARBON**
 Permit Type: **PERMANENT COAL PROGRAM**
 Permit Status: **ACTIVE**

Current Acreages

14,662.49	Total Permitted
95.40	Total Disturbed
187.85	Phase I
187.85	Phase II
92.45	Phase III

Mineral Ownership

- Federal
- State
- County
- Fee
- Other

Types of Operations

- Underground
- Surface
- Loadout
- Processing
- Reprocessing

Report summary and status for pending enforcement actions, permit conditions, Division Orders, and amendments:

Division representatives met at the Price Field office with Dennis Ware at 10 am for review of Permittee's documents. All permits, insurance, and bond are current and up-to-date. A field inspection of the School House refuse pile, Crandall Canyon shaft reclamation, and main facility areas was also conducted. The Crandall Canyon shaft reclaimed areas appear to be stable with no change in elevation. Due to storm events this fall above the design storm limits minor drainage repairs and culvert maintenance were conducted at the School House refuse pile and ditches along the Crandall Canyon shaft reclamation site.

No violations were issued.

Inspector's Signature:

Cheryl Parker,

Digitally signed by Cheryl Parker, P.E. M.S.
DN: cn=Cheryl Parker, P.E. M.S., o=DOG&M, ou=Mine Engineer,
email=cherylparker@utah.gov, c=US
Date: 2014.12.02 15:36:55 -0700

Date Tuesday, November 18, 2014



Inspector ID Number: 70

1594 West North Temple, Suite 1210, PO Box 145801, Salt Lake City, UT 84114-5801
Note: This inspection report does not constitute an affidavit of compliance with the regulatory program of the Division of Oil, Gas and Mining.
 telephone (801) 538-3340 • facsimile (801) 539-3940 • TTY (801) 538-7458 • www.ogm.utah.gov

REVIEW OF PERMIT, PERFORMANCE STANDARDS PERMIT CONDITION REQUIREMENTS

1. Substantiate the elements on this inspection by checking the appropriate performance standard.
 - a. For COMPLETE inspections provide narrative justification for any elements not fully inspected unless element is not appropriate to the site, in which case check Not Applicable.
 - b. For PARTIAL inspections check only the elements evaluated.
2. Document any noncompliance situation by reference the NOV issued at the appropriate performance standard listed below.
3. Reference any narratives written in conjunction with this inspection at the appropriate performance standard listed below.
4. Provide a brief status report for all pending enforcement actions, permit conditions, Divison Orders, and amendments.

	Evaluated	Not Applicable	Comment	Enforcement
1. Permits, Change, Transfer, Renewal, Sale	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. Signs and Markers	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3. Topsoil	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4.a Hydrologic Balance: Diversions	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4.b Hydrologic Balance: Sediment Ponds and Impoundments	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4.c Hydrologic Balance: Other Sediment Control Measures	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4.d Hydrologic Balance: Water Monitoring	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4.e Hydrologic Balance: Effluent Limitations	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5. Explosives	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6. Disposal of Excess Spoil, Fills, Benches	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7. Coal Mine Waste, Refuse Piles, Impoundments	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
8. Noncoal Waste	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
9. Protection of Fish, Wildlife and Related Environmental Issues	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
10. Slides and Other Damage	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
11. Contemporaneous Reclamation	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
12. Backfilling And Grading	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
13. Revegetation	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
14. Subsidence Control	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
15. Cessation of Operations	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
16.a Roads: Construction, Maintenance, Surfacing	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
16.b Roads: Drainage Controls	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
17. Other Transportation Facilities	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
18. Support Facilities, Utility Installations	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
19. AVS Check	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
20. Air Quality Permit	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
21. Bonding and Insurance	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
22. Other	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

1. Permits, Change, Transfer, Renewal, Sale

The DOGM Permit for the site was reviewed for any special conditional requirements and expiration. The current Willow Creek Permit was issued on 3/21/11 and will expire on 4/24/16. The permittee expressed the intent to seek bond release in 2015. Special conditions outlined in Attachment A to the permit are no longer required as outlined in a Memorandum in 6/20/2012 (Task #3924). The site is completely reclaimed and is not required to have a UPDES permit. The insurance is current expiring on 12/13/14 and states adequate coverage, covering explosives and due on occurrences.

2. Signs and Markers

The Mine and Permit identification signs were inspected at all three locations (School House Refuse pile, Rail Load-Out, Crandall Canyon, and west of the former Facilities) and found to be in working order. Photo 1 shows the information on the signs, which meet the minimum requirements of R645.521.200-.244 Coal Rules.

3. Topsoil

No topsoil piles remain as all available topsoil was applied during reclamation. There are no signs of instability or erosion above expected levels at any of the locations, as seen in Photo 2. The pocking of the soil near the old main facilities and up Crandall Canyon has assisted with reducing erosion of topsoil and promoting vegetation, as seen in Photo 3 of rail load out area.

4.a Hydrologic Balance: Diversions

A large rain event occurred in September of 2014 causing extensive runoff in many reclaimed areas. At the reclaimed School House refuse Pile, the runoff deposited sediment in the small basin just upstream of the culvert and filled culvert. The basin has been cleaned of sediment and the channel bed in the zone of deposition has been re-stabilized with rip-rap. The culvert will be cleaned in the next few weeks.

In Crandall Canyon, runoff deposited sediment in ditches running along the road and blocked a couple culverts. The ditches have been cleaned of sediment and only one culvert remains to be cleaned. This culvert will be cleaned in the next few weeks.

4.b Hydrologic Balance: Sediment Ponds and Impoundments

There are currently no sediment ponds or impoundments within the Willow Creek mine reclamation area.

4.c Hydrologic Balance: Other Sediment Control Measures

Vegetation has grown in and stabilized all reclaimed areas. While sediment erosion plugged the culvert at the base of the reclaimed School House refuse pile it is considered a minor amount considering the catchment size and no noticeable rilling or gulying occurred along the length of the slope. The primary source of sediment that plugged culverts in Crandall Canyon was from undisturbed watersheds boarding the permit area.

4.d Hydrologic Balance: Water Monitoring

The Permittee was released of all water monitoring requirements at the time of phase 2 bond release.

4.e Hydrologic Balance: Effluent Limitations

The Permittee was released of all water monitoring requirements at the time of phase 2 bond release.

5. Explosives

The insurance certificate showed the coverage, XCU, for explosives as required by R645-524. No explosives are stored at the site.

6. Disposal of Excess Spoil, Fills, Benches

The site has been completely reclaimed and is currently in Phase 2 Bond release.

7. Coal Mine Waste, Refuse Piles, Impoundments

The site has been completely reclaimed and is currently in Phase 2 Bond release.

8. Noncoal Waste

The site is reclaimed with no signs of non-coal waste materials.

9. Protection of Fish, Wildlife and Related Environmental Issues

The site appeared stable along all drainage banks with ample vegetation for local wildlife to forage on.

10. Slides and Other Damage

The site experienced several storm events in September-October 2014 that were above the required design capacity of the site's drainage systems. Maintenance and repairs were conducted along the ditches and culverts along Crandall Canyon and School House Refuse Pile. The lower section of the reclaimed School House Refuse pile had to be reconstructed to place rip-rap that had slide down to the culvert. Repairs to the area can be seen in photo 4. The culvert under frontage road of Hwy 6 was partially blocked at the time of inspection due to a shortage of equipment to finish the maintenance work in the area. The culvert, shown in photo 5, is scheduled to be cleaned out within a week.

The site appeared to be stable with no signs of rills or instability at the time of inspection.

11. Contemporaneous Reclamation

The site has been completely reclaimed and is currently in Phase 2 Bond release. No mining operations are taking place at any of the sites.

12. Backfilling And Grading

The site appears to have been backfilled and graded back to AOC to the extent possible.

13. Revegetation

The site appears to have a healthy established vegetation population with no or few invasive or noxious weeds seen at any of the areas

14. Subsidence Control

The Survey of the Crandall Canyon shafts in October 2014 showed no signs of movement. Both shafts appear to be stable with no signs of subsidence.

15. Cessation of Operations

The site has been completely reclaimed and is currently in Phase 2 Bond release.

16.a Roads: Construction, Maintenance, Surfacing

Roads appeared to be in good maintained along Crandall Canyon and School House Refuse pile with no rills or headcuts along the road or shoulders.

16.b Roads: Drainage Controls

Ditches and culverts along Crandall Canyon were cleared by a maintenance crew to allow for proper drainage. See photo 6 and 7 of a culvert along Candall Canyon.

17. Other Transportation Facilities

The site has been completely reclaimed and is currently in Phase 2 Bond release.

18. Support Facilities, Utility Installations

The site has been completely reclaimed and is currently in Phase 2 Bond release.

19. AVS Check

501c was checked 11/24/14 with no change

20. Air Quality Permit

There are no air permits or monitoring requirements for the site. The site has been completely reclaimed and is currently in Phase 2 Bond release.

21. Bonding and Insurance

The current bond and insurance certificate were verified. The bond was amended from \$1,424,514 to \$489,166 in 2012 when the Permittee applied and was granted Phase II bond release. The insurance certificate expires 12/19/2014 with adequate coverage terms with payout on occurrence.



Photo 1 Permit Sign



Photo 2 Vegetation on School House Refuse Pile



Photo 3 Pocking at reclaimed Rail Load-Out Facility



Photo 4 Repairs on lower School House refuse pile



Photo 5 Culvert under Frontage road of Hwy6



Photo 6 Culvert up Crandall Canyon



Photo 7 Looking along cleared out culvert to other side