

As a measure of success of the dust control plan and to establish a baseline, Consol has agreed to establish transects according NRCS guidelines. ~~Prior to production,~~ Consol ~~will has~~ contacted ~~NRCS~~ for assistance in establishing a baseline on the area East of the road on Consol property. ~~Theis~~ baseline ~~will consist~~s of three transects, each containing three sample sites. ~~Once The transects are in place, their location will be submitted to DOGM for inclusion in the MRP.~~ The sample points will be clearly marked for field identification. ~~Once production resumes and a stockpile is created~~ ~~These~~ nine sample sites will be monitored ~~annually~~ ~~monthly~~ to calculate the % coal fines on the surface soil. ~~On 5/04/04 t~~The NRCS ~~has indicated that they would~~ instructed ~~DOGM and~~ mine personnel, ~~and a representative from JBR consulting~~ from the Field Book for Sampling Soils, on the method to determine % cover. Records of the initial baseline and ~~the monthly observations a subsequent determination in 2008 follow.~~ ~~All future monitoring reports will be submitted in the annual report will be kept on site.~~

Inserted 01/2004
Inserted 02/2004
Revised 5/2004
Revised 7/08

Chapter X-C Page 5b

File in:

Confidential

Shelf

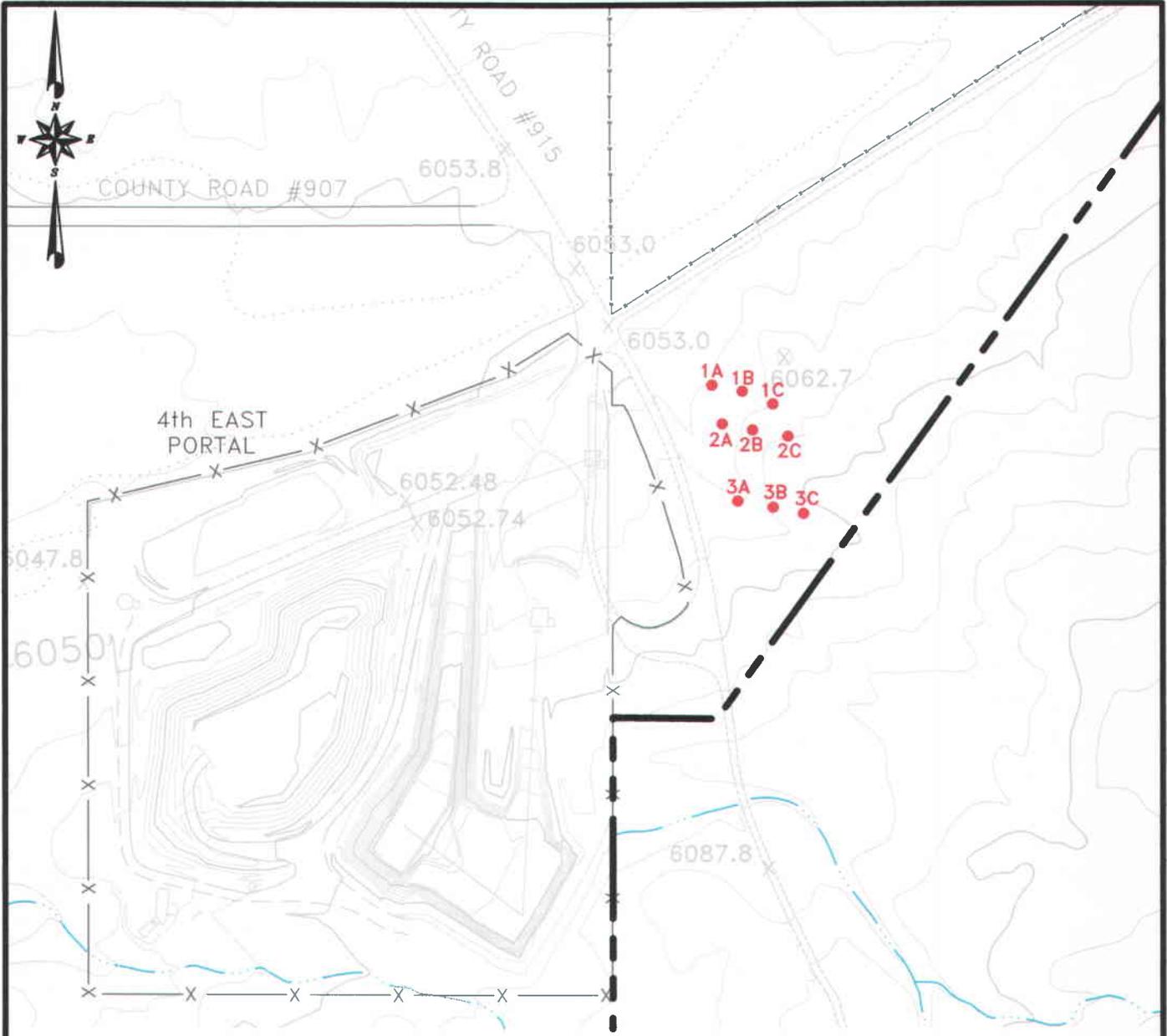
Expandable

Refer to Record No. 0042 Date 07232008

In C 0150015, 2008, In Coming

For additional information

G:\UC982\18 - Federal lease extension\DUST_PLOT\FIG-DUST_PLOT.dwg, 7/22/2008 12:03:51 PM



SAMPLE POINT	GEOGRAPHIC (NAD83)		NORTHING	EASTING
	LATITUDE	LONGITUDE		
1A	38 52 29.7	111 13 58.3	6759049.9	1716475.6
1B	38 52 29.6	111 13 57.7	6759040.0	1716523.1
1C	38 52 29.4	111 13 57.1	6759019.9	1716570.6
2A	38 52 29.1	111 13 58.1	6758989.3	1716491.6
2B	38 52 29.0	111 13 57.5	6758979.3	1716539.1
2C	38 52 28.9	111 13 56.8	6758969.4	1726594.5
3A	38 52 27.9	111 13 57.8	6758867.9	1716515.7
3B	38 52 27.8	111 13 57.1	6758858.0	1716571.1
3C	38 52 27.7	111 13 56.5	6758848.0	1716618.6



4th EAST PORTAL DUST SAMPLE SITES
 CH. 10, PART C PAGE 5C

CONSOL ENERGY
 CONSOLIDATION COAL COMPANY
 EMERY MINE PERMIT 015/015
 INSERTED 7/08



State of Utah

Department of
Natural Resources

MICHAEL R. STYLER
Executive Director

Division of
Oil, Gas & Mining

JOHN R. BAZA
Division Director

JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

Representatives Present During the Inspection:	
OGM	Steve Demczak Environmental Scientist III
OGM	Jerriann Ernsten Environmental Scientist II
OGM	Priscilla Burton Environmental Scientist III

Inspection Report

Permit Number:	C0150015
Inspection Type:	TECHNICAL
Inspection Date:	Tuesday, May 04, 2004
Start Date/Time:	5/4/2004 10:30:00 AM
End Date/Time:	5/4/2004 1:45:00 PM
Last Inspection:	Thursday, April 22, 2004

Inspector: Priscilla Burton, Environmental Scientist III

Weather: sun, 80's, light breeze from the south and east

Inspection ID Report Number: 258

Accepted by: dhaddock

5/17/2004

Permittee: CONSOLIDATION COAL CO
 Operator: CONSOLIDATION COAL CO SESSER OPERATIONS
 Site: EMERY DEEP MINE
 Address: PO BOX 566, SESSER IL 62884
 County: EMERY
 Permit Type: PERMANENT COAL PROGRAM
 Permit Status: ACTIVE

Current Acreages

5,180.00	Total Permitted
247.00	Total Disturbed
	Phase I
	Phase II
	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:

DOG M staff met with Leland Sasser, NRCS and Carla Knoop, JBR Environmental Consultants, Inc. at the Emery 4th East Portal to establish existing (baseline) conditions east of the county road. Three transects were laid out due east of the county road with survey points marked at 50 ft intervals along the transects. Each of the nine survey points was observed for % live cover, % coal surface cover, and depth of coal cover. The presence or absence of cryptogams was also noted. In the nine survey locations, coal covers between 60 - 90% of the surface to a depth of 0.25mm to 2.5cm.

Post-It® Fax Note	7871	Date	2-15-08	# of pages	4
To	John Goffarth	From	Priscilla Burton		
Co./Dept.	Consol	Co.	DOG M - Utah		
Phone #		Phone #	(435)613-3733		
Fax #	(618)625-6844	Fax #			

Inspector's Signature:

Date Thursday, May 06, 2004

Priscilla Burton, Environmental Scientist III
 Inspector ID Number: 37

Note: This inspection report does not constitute an affidavit of compliance with the regulatory program of the Division of Oil, Gas and Mining.

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Permit Number: C0150015
 Inspection Type: TECHNICAL
 Inspection Date: Tuesday, May 04, 2004

Inspection Continuation Sheet

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 type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Signs and Markers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Topsoil	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.a Hydrologic Balance: Diversions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.b Hydrologic Balance: Sediment Ponds and Impoundments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.c Hydrologic Balance: Other Sediment Control Measures	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.d Hydrologic Balance: Water Monitoring	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.e Hydrologic Balance: Effluent Limitations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Explosives	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Disposal of Excess Spoil, Fills, Benches	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Coal Mine Waste, Refuse Piles, Impoundments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. Noncoal Waste	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. Protection of Fish, Wildlife and Related Environmental Issues	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
10. Slides and Other Damage	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11. Contemporaneous Reclamation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12. Backfilling And Grading	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13. Revegetation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14. Subsidence Control	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15. Cessation of Operations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16.a Roads: Construction, Maintenance, Surfacing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16.b Roads: Drainage Controls	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
17. Other Transportation Facilities	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
18. Support Facilities, Utility Installations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
19. AVS Check	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
20. Air Quality Permit	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
21. Bonding and Insurance	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
22. Other	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Permit Number: C0150015
Inspection Type: TECHNICAL
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Inspection Continuation Sheet**Page 3 of 4****9. Protection of Fish, Wildlife and Related Environmental Issues**

The mine has been idle and the coal stockpile has been absent from the site since the summer of 2003. The abatement plan to N03-39-1-1 (January 9, 2002) included establishing baseline conditions prior to the mine resuming operations at the 4th East portal (anticipated in the next month). In an effort to establish the baseline without bias, Mr. Leland Sasser of the Natural Resources Conservation Service (NRCS) provided his expert opinion on % coal surface cover. Also present during the technical visit was Ms. Carla Knoop of JBR Consultants, representing Consol Energy at the request of John Gefferth. The first transect was established opposite the 8th fence post from the corner. The transect runs due east for 150 feet with survey points located at 50', 100', and 150' from the road and labeled 1A, 1B, 1C, respectively. The second transect was located opposite the crusher and 50 feet from the first transect along the county road (opposite the 15th fence post from the corner). This second transect also runs due east with survey points also at 50 foot intervals, labeled 2A, 2B, 2C. The last transect was located 125 feet from the second transect, opposite the 30th fence post from the corner with three survey points at 50 foot intervals labeled 3A, 3B, 3C. The convention was established that the stakes denoting the survey points are placed in the southeast corner of the survey area. To outline the area of interest, a three by three foot square was placed on the spot with the stake snugly against the southeast corner of the square. Photographs were taken of all survey sites. The following information was gathered by the group.

SITE 1A: 85% coal surface cover, 1 - 3 mm thick ; 20% live cover mostly galleta grass and grease wood and annual weeds, 1 cryptogam 1/2 inch X 1/4 inch in size.

SITE 1B: 65% coal surface cover, 1/2 - 2mm in depth, 20% live cover mostly prickly pear, galleta, blue grama, 3 colonies of cryptogams 2 X 1/2 in, 2 X 1/2 in, 1/2 X 1/4 in;

SITE 1C: 60% coal surface cover between 0.25 and 2 mm thick, 25% live cover mostly low grey sage, galleta grass and 1 quarter size cryptogam, 40% cover by pebbles; lichen on 2 or 3 rocks; SITE 2A: 85-90% coal surface cover between 1 - 4 mm, 40% live cover mostly Wyoming big sage, Indian Rice grass, Galleta Grass, Greasewood branches extending into square, and annual weeds, no cryptogams.;

SITE 2B: 80% coal fines between 1/2 to 4 mm deep, 20% live cover of prickly pear, shadscale seedlings, ricegrass, and one 1 x 1 ft colony of cryptogams in the NE corner;

SITE 2C: 20% coal cover consisting of loose fines up to 2mm thick; 2% live cover of astragalus, galleta, and a little onion (related to death camas), 70% rock cover, no cryptogams;

SITE 3A: 85% surface cover coal fines from 1/2 mm up to 1 cm thick, 20% live cover of Indian ricegrass, Sand drop seed aka "tickle grass", big sage, shadscale and 2 quarter size cryptogams; Site 3B 75% coal cover between 1/4 and 4 mm thick, 10 - 15% live cover of galleta grass, shadscale seedlings, no cryptogams.;

SITE 3C 90% coal fines between 1/4 mm and 1.5 cm depth, 15-20 % live cover of WY big sage, Indian rice grass, low grey sage, galleta, shadscale seedling, phlox, and 1 X 1 ft cryptogam colony in the NW corner, 1 quarter size cryptogam in the SE corner, 1 Quarter size cryptogam in the middle of the east side.

Ms Knoop will meet with the DOGM inspector regularly to re-evaluate the established

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Inspection Date: Tuesday, May 04, 2004

Inspection Continuation Sheet**Page 4 of 4**

survey points (once operations resume) as a means of monitoring off-site deposition of coal fines. Ms. Knoop will pinpoint the survey sites using a GPS unit during the next observation time.

The existing condition of the road culverts leading into the riparian area north of the 4th East portal site was noted and photographed to establish baseline conditions for the road drainage as well.

21. Bonding and Insurance

This form incorrectly lists the bonded and permit area and should be changed. The permit area is 5,060 acres. Permit Boundaries Map, Plate III-9 shows the entire permit boundary. In addition, Plate III-9 shows surface areas affected by date. Plate III-9 also shows the bonded area. The acreage of the bonded area equals 442.5 acres which includes the 66.7 acres of existing disturbance and the 375.8 acres of Potential Surface Operations Area (see Table III-1 of Chapter III for a breakdown of the acreages).

**Emery Mine 4th East Portal
Coal Dust Plots**

Site	Coal Surface Cover (%) and Thickness		Live Vegetative Cover (%)		Presence of Cryptogams		Notes	
	5/4/04	2/26/08	5/4/04	2/26/08	5/4/04	2/26/08	5/4/04	2/26/08
1A	85 (1-3mm)	85 (up to 3 mm)	20	15	one-1/2 x1/4 in	Several, largest 1.5x1"		
1B	65 (1/2-2mm)	70 (2 mm avg)	20	20	Three 2x1/2, 2x1/2, 1/2x1/4 in	At least 4 small colonies		
1C	60 (.25-2mm)	50 (<1 mm)	25	15	One 1/4 in	4+, varying sizes	Lichen, rock & bedrock	Lichen, rock & bedrock
2A	85-90 (1-4mm)	60 (up to 3 mm)	40	5	none	None observed		Stake uprooted
2B	80 (1/2-4mm)	85 (up to 4 mm)	20	25	One 1x1 in	4 colonies, 1.5"		
2C	20 (up to 2mm)	20 (surface only)	2	15	none	None observed	70 % rock	Pebble cover
3A	85 (1/2-1mm)	60 (up to 6 mm)	20	20	Two 1/4in	None observed		
3B	75 (1/4-4mm)	70 (up to 4 mm)	10-15	10	none	7 or 8 up to 2"		
3C	90 (1/4-1.5mm)	85 (<1 mm)	15-20	15	three 1x1, 1/4x1/4, 1/4x1/4in	1 appx 1.25"		

General Comments and Observations:

- 1) Stakes were in place at all sites, except for Site 2A. Attempts were made to orient the plot frame along the same general alignment as during the 2004 survey, but it is obvious by vegetation that some variation occurred.
- 2) Due to the season, vegetation was dormant and no annual forbs or grasses were present. While some species were identifiable and recorded in the field notes, they are not given here.
- 3) Based upon visual observation and recollection of 2004 conditions, coal has generally become more vertically mixed with native particles. This makes thickness of coal cover, in particular, difficult to assess.

Inserted 7/08