



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:	C0250005
Inspection Type:	COMPLETE
Inspection Date:	Wednesday, December 07, 2016
Start Date/Time:	12/7/2016 9:00:00 AM
End Date/Time:	12/8/2016 4:00:00 PM
Last Inspection:	Wednesday, November 16, 2016

Representatives Present During the Inspection:	
OGM	Priscilla Burton
OGM	Cheryl Parker
Company	Kirk Nicholes
Company	Drew Christensen

Inspector: Priscilla Burton
 Weather: sun 25-35 F
 InspectionID Report Number: 5721

Accepted by: DHADDOCK
 12/14/2016

Permittee: **ALTON COAL DEVELOPMENT LLC**
 Operator: **ALTON COAL DEVELOPMENT LLC**
 Site: **COAL HOLLOW**
 Address: **463 North 100 West, Suite 1, CEDAR CITY UT 84720**
 County: **KANE**
 Permit Type: **PERMANENT COAL PROGRAM**
 Permit Status: **ACTIVE**

Current Acreages

721.00	Total Permitted
394.00	Total Disturbed
144.50	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:

Pit 6 in the North Lease is being mined. Box trucks were moving coal from Pit 6 to the crusher in the facilities yard. A coal blast occurred last week in Pit 6. An area of coal below the Pit 6 North highwall is prepared for a blast next week. Three haul trucks, the PC 2000 and a loader were dedicated to mining activity in the North Lease. Overburden is being moved from Pit 6 East side into Pits 4 and 5. In the South Lease, a dozer was removing topsoil from the 10 acre Pit B1 mining area. In the last month, 40,000 Tons of coal was mined from the portion of Pit B1 in the footprint of the former excess spoil pile. The UG Mine is idle.

We reviewed paperwork. Checked culverts and ditches and ponds. Observed topsoil piles, bond release areas, and topsoil salvage from Pit B1. Observed and commented upon excessive coal fine dust at the facility entrance. Observed mining in Pit 6. NOV 21191 was issued for failure to protect the topsoil at the North Lease.

Refer to Dwg 5-3 Facilities Layout and Dwg 5-3A for culverts and ditches in the South Lease, along with Dwg 5-3C for culverts and ditches in Pit 10, Underground Mine. Refer to Dwg 5-47 for North Lease Facilities Layout. Refer to Bond Release Figures 1 and 2, Task 5306, for BRP1-9 and BRP1-10 Bond release areas.

Beverly Wisner, DOGM Bonding Technician, accompanied us on the inspection.

Inspector's Signature: **Priscilla Burton**

Digitally signed by Priscilla Burton
 DN: cn=Priscilla Burton, o, ou,
 email=priscillaburton@utah.gov, c=US
 Date: 2016.12.15 14:11:06 -0700'

Date Friday, December 09, 2016

Priscilla Burton,
 Inspector ID Number: 37

Note: This inspection report does not constitute an official finding of compliance with the regulatory program of the Division of Oil, Gas and Mining.
 telephone (801) 538-5340 • facsimile (801) 359-3940 • 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 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 checked="" type="checkbox"/>	<input 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 type="checkbox"/>	<input type="checkbox"/>
4.d Hydrologic Balance: Water Monitoring	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7. Coal Mine Waste, Refuse Piles, Impoundments	<input checked="" type="checkbox"/>	<input 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 checked="" type="checkbox"/>	<input 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 type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15. Cessation of Operations	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
18. Support Facilities, Utility Installations	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
19. AVS Check	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
20. Air Quality Permit	<input checked="" type="checkbox"/>	<input 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

1. Permits, Change, Transfer, Renewal, Sale

Task 5261, Pit 10 Borrow Area approved 9/28/2016.

Tasks 5278 and 5302, Pit B1 Borrow Area amendment was approved 10/27/2016.

The related NOV 21183 was terminated on 10/25/2016.

Task 5311 Sage Grouse Mitigation Update was approved 10/23/2016.

Task 5287 Oversight Inspection is under review. Task 5291 Area 1 Expanded is under review.

Task 5306 Phase I Bond Release is under review.

NOV 21191 was issued during this inspection for failure to protect the topsoil at the North Lease.

3. Topsoil

South Lease:

Topsoil Pile #1 was stable and well vegetated.

Topsoil was removed from Stockpile #2 this Fall to reclaim Lower Robinson Creek diversion and 2016 Phase 1 bond release areas. The newly formed West border of Topsoil pile #2 was re-bermed. The area of removal was seeded. The new boundary of the pile is shown on the attached map.

Topsoil #4 was consumed this year in reclamation of 2015-2016 Phase 1 bond release areas.

Pit B1: Topsoil has been recently removed from a strip along the length of the Excess Spoil highwall and the South permit boundary. A dozer was pushing topsoil into piles within the 7.45 acre Pit B1 addition circumscribed by B-1T_U and B-1T_L ditches. Pit B1 topsoil from both locations will be placed in topsoil pile #6 shown on Dwg 2-2.

The toe of the Excess Spoil topsoil was quite dry and can now be moved to its designated location on BRP1-2 above former Pits 1 & 2. There was a breach in the upper berm of this topsoil pile.

North Lease:

The North Lease topsoil pile has been partially utilized for reclamation. The remaining pile has been encroached upon by Pit 6. Our track along the high wall of Pit 6 is attached. Our GPS track along the highwall is attached. This track was on topsoil. R645-301-234.230 requires that topsoil is placed in a stable location. Therefore NOV 21191 was issued for failure to protect the topsoil.

4.a Hydrologic Balance: Diversions

South Lease (designs are in App. 5-2):
B-1T-U and B-1T-L the pit B1 upper and lower ditch/berm were newly cut in approximately 18 inches below the topsoil.

East of the boneyard, D3 requires repair and armoring to bring the ditch back to design standards of 4.5 ft wide and 2h:1v side slopes.

C7 outlet in the facilities yard has eroded the receiving ditch and requires riprap at the outflow. This work was completed promptly.

C2, C3, C4, C6 and C13 were partially or completely plugged and the required maintenance was completed promptly.

C6, C11, and C16 were more than 50% plugged and required maintenance. This work was requested to be completed promptly.

Underground Mine:

Culverts P10-02, P10-03, P10-04, P10-05, P10-06, P10-08 require maintenance. Ditch P10-NO2 requires maintenance. Ditches P10-SO1 (mid section above the former cascading drainage), P10 S03 (at its beginning) and P10SO4 (at bathhouse waterline) must be completed. Riprap in ditch P10-R04 requires better placement. Culvert P10-08 requires maintenance.

North Lease:

D6 along the south border of BRP1-10 requires maintenance. This work was requested promptly. D5 was recently maintained and looks good.

4.b Hydrologic Balance: Sediment Ponds and Impoundments

Quarterly P.E. certified inspection of the ponds was conducted on 11/16/2016. All pond sediment elevations were below 60% (cleanout). Ponds were photographed. Pond 1 is cleaned of sediment from around the edges. Pond 1B had both inlets repaired and was cleaned out. Pond 1 and 1B clean out was placed on the excess spoils pile for placement in the Pit B1 backfill. Pond 2 had sediment removed from the inlet. Pond 3 was cleaned out. Pond 2 and 3 sediments have been placed in the excess spoil pile for soil suitability testing.

4.e Hydrologic Balance: Effluent Limitations

Discharge reports for October and November were not available at the mine. These were requested to be sent by email.

5. Explosives

Blasting records were reviewed. Blast #65 (on Nov. 16) was conducted in Pit B1 coal. Note: The nearest structure to Pit B1 is the Lambs pond, about 1/2 mile West.

There is an inconsistency in numbering the blasts that occurred in Pit 5: blast #61 (on Oct. 10) was the 3rd blast in pit 5 and blast #62 (on Oct 25) was the 5th blast in Pit 5. Blast #66 (on Dec. 1st) was the 3rd blast in Pit 6 coal. At the North end of Pit 6 an area of coal had been cleared for the next blast during the week of December 12.

6. Disposal of Excess Spoil, Fills, Benches

The 3rd quarter certified report of the spoils pile at the North Lease stated that 13,000 CY remained as of 11/16/2016. The report further stated that 264,000 CY had been placed in backfill. During the inspection it appeared that the North Lease spoil had been completely utilized in backfill.

South Lease: The 3rd Quarter report (11/16/2016) stated total and remaining capacity, which by difference indicates 389,000CY excess spoil remaining.

7. Coal Mine Waste, Refuse Piles, Impoundments

Coal mine waste from pond clean-outs is piled on the former excess spoil pile and will be placed in the Pit B1 backfill.

8. Noncoal Waste

Trash has accumulated along the out slopes of berms on the primary haul road to the topsoil storage location. Collected trash seen at the East pond 2 laydown yard needs to be removed.

9. Protection of Fish, Wildlife and Related Environmental Issues

Equipment and supplies must be removed from berms East of the bone yard and at the repair yard berm to C9. The repair yard berm was cleared promptly.

Ducks were in Pond 4. Coyote tracks seen in Lower Robinson. Coal fines were observed in Lower Robinson Creek immediately NW of the air monitoring site.

10. Slides and Other Damage

Within Pit 10 there continues to be slides and slope instability concerns along the northern highwall face. The Division witnessed small sloughing during the inspection and the recent instability above the sump is clear within the Division inspection photos. Ditch P10-N02 on the bench above the face has not been properly maintained which has resulted in water pooling above the failing slope face. The Permittee committed to repairing and grading the bench to stop the pooling of water.

11. Contemporaneous Reclamation

Approximately 130 CY fill has been removed from the Lower Robinson Creek to restore flow into the reclaimed channel. Straw bales were removed from the downstream Transition Zone. The straw was scattered as mulch on the fill slope of the reclaimed temporary diversion. In the location of the fill removal, the Creek slopes are not yet at final grade. Riprap needs to be installed as well. Once completed the Permittee will file a report with the USACE as a condition of the Stream Alteration Permit. Reclaimed Lower Robinson Diversion was seeded last month.

12. Backfilling And Grading

The North Lease BRP1-10 appears to have been backfilled and graded back to AOC to the extent possible within the bond release areas. The Permittee was actively hauling overburden from Pit 6 and end dumping above Pit 4/5 for the reclamation of Pits 5.

13. Revegetation

South Lease second year reclamation above Pits 5 & 6 has been grazed to the point where grasses did not produce seed heads. According to the operator, the fences around the property are being cut to allow cattle access.

16.a Roads: Construction, Maintenance, Surfacing

All haul roads appeared to be maintained within the North Lease Permit area. In the South Lease there were significant coal fines on the haul roads to the raw coal and crusher pad and throughout the loadout facilities that were stirred up by truck traffic. (CP) South lease primary roads required maintenance as described below under drainage controls.

Rock size fragments (7 - 10 cm) of coal are seen scattered along the County road from the North Lease to the Facilities entrance outside the permit area. One spill location on the road had been cleaned up, but still generated a lot of dust with passing trucks.

The County road at the entrance to the facilities yard was recently widened to accommodate box trucks and tandem coal trucks. The turn is still a tight one and chunks of coal that have fallen off trucks have been ground to a fine dust. The dust is carried by wind and water. Locations of coal fine dust were noted on undisturbed land inside and outside the permit area. We observed the opacity of the dust behind the vehicles traveling through the entrance gate. The opacity appeared to be above the limit established by the Air Quality permit. On the second day of this inspection, the water truck was seen watering the roads.

16.b Roads: Drainage Controls

South Lease:

Erosion of the East side borrow ditch of the Primary haul road north of C13 and through the berm of the raw coal pad must be repaired. Coal fines should be scooped up in this location to reduce dust. This work was requested to be completed promptly.

A new culvert was installed along the county road at the facilities entrance. Coal fines are entering the ditch to Robinson Creek at this location (see air quality discussion below.) The ASCA at the facilities entrance requires maintenance.

East of pond 2, erosion of the the primary haul road drainage and erosion from the laydown yard must be repaired. The drainage from this location could be controlled with a half pipe. This work was requested to be completed promptly.

Borrow ditches are required along the County Road portion of the primary haul road in the South Lease (North and South of culvert CR1). This was promptly completed.

North Lease:

D9 and ASCA #1 on the South Haul Road required maintenance which was completed promptly.

17. Other Transportation Facilities

All fuel was properly stored. Fuel containment has a new steel shelf structure that looks very tidy.

18. Support Facilities, Utility Installations

A broken water well valve was noted at the water tanks (near C7 inlet). Water tanks can not be filled until the valve is repaired. The water truck has been filling from ponds in the South Lease for several months while the ponds were being drawn down.

20. Air Quality Permit

We discussed the requirements of the Air Quality permit DAQE AN140470005 (issued 11/20/2015) with regard traffic speed and opacity limits and whether more could be done to implement these limits. We observed high dust volumes along the primary haul road to the raw coal stockpile pad, and the primary loadout road near C6 and at the pond 1 spillway outlet, and the primary road at the facilities gate. We observed the box trucks had sides raised by two feet and were overfilled. We observed rock spills along the length of the county road outside the permit area. The spilled coal gets finely ground and becomes dust under the truck traffic. We took GPS points of coal fine deposition inside and outside the permit area. Outside the facilities gate, the accumulation is approximately 1/4 inch.

21. Bonding and Insurance

Bond release application Task 5306 is under review. The minimum required posted bond for the Coal Hollow mine to \$9,594,000 while Alton Coal Company currently maintains a bond of \$12,750,000 with the Division. The Permittee will not reduce the held bond amount at this point as it will apply to contemporaneous mining reclamation and operations in the North and South Private leases.

The insurance certificate was re-newed on 12/6/2016, with an expiration date of 11/17/2016 (Incoming 12082016.pdf).

22. Other

The ditch North of Pit 10 running across the former topsoil pile #4 should be shown on a map. Culvert 17 is described as a 12 inch culvert on Dwg 5-3 and 5-3A. This culvert was a 4 inch PVC pipe. No designs could be found for this culvert installation. C17 should be installed as described on the drawings.



Citation for Non-Compliance Utah Coal Regulatory Program

1594 West North Temple, Salt Lake City, UT 84114
Phone: (801) 538-5340 Fax: (801) 359-3940

Citation #: (Field Issued)

Permit Number: 025/0005

Date Issued: 12/8/16

NOTICE OF VIOLATION CESSATION ORDER (CO) FAILURE TO ABATE CO

Permittee Name: Alton Coal Development

Inspector Number and ID: 37

Mine Name: Coal Hollow

Date and Time of Inspection: 12/7 to 12/8/16

Certified Return Receipt Number:

Date and Time of Service: 12/8/16 3:00pm

Nature of condition, practice, or violation:

Failure to protect topsoil at the North lease. North lease topsoil stockpile has been encroached upon by Pit 6. North lease topsoil forms the pit 6 high wall.

Provisions of Act, regulations, or permit violated:

R645-301-234.210, stockpiled materials will be placed on a stable site within the permit area.

This order requires Cessation of ALL mining activities. (Check box if appropriate.)

Condition, practice, or violation is creating an imminent danger to health or safety of the public.

Permittee is/has been conducting mining activities without a Permit.

Condition, practice, or violation is causing or can reasonably be expected to cause significant, imminent environmental harm to land, air, or water resources.

Permittee has failed to abate Violation(s) included in Notice of Violation or Cessation Order within time for abatement originally fixed or subsequently extended.

This order requires Cessation of PORTION(S) of mining activities.

Mining activities to be ceased immediately: Yes No

Abatement Times (if applicable).

Action(s) required: Yes No

Remove topsoil from above the pit 6 high wall until the topsoil sits on stable ground. Reform a berm around the base of the topsoil pile on stable ground

B. Kirk Nicholas
(Print) Permittee Representative

Priscilla Burton
(Print) DOGM Representative

B. Kirk Nicholas
Permittee Representative's Signature - Date

Priscilla Burton 12/8/16
DOGM Representative's Signature - Date

SEE REVERSE SIDE Of This Form For Instructions And Additional Information

ATTACHMENT A – Photos	
 <p>A landscape photograph showing a large, flat, brownish area, likely a topsoil salvage pit. The foreground is covered in sparse, dry vegetation and some scattered rocks. In the background, there are trees and a clear sky.</p>	<p>PHOTO 1 Topsoil salvage Pit B1</p>
 <p>A landscape photograph showing a large, flat, brownish area, likely a topsoil pile. The foreground is covered in sparse, dry vegetation and some scattered rocks. In the background, there are trees and a clear sky.</p>	<p>PHOTO 2 Topsoil Pile #1 foreground of raw coal pile.</p>
 <p>A landscape photograph showing a large, flat, brownish area, likely a topsoil pile. The foreground is covered in sparse, dry vegetation and some scattered rocks. In the background, there are trees and a clear sky.</p>	<p>PHOTO 3 Standing on Topsoil #2 berm looking at former footprint of pile.</p>
 <p>A landscape photograph showing a large, flat, brownish area, likely a topsoil pile. The foreground is covered in sparse, dry vegetation and some scattered rocks. In the background, there are trees and a clear sky.</p>	<p>PHOTO 4 North Lease Topsoil Pile at PTI 6 highwall edge, Subject of NOV 21191.</p>

ATTACHMENT A – Photos continued



PHOTO 5 Ditch B-1T-U under construction



PHOTO 6 ditch D3 needs maintenance



PHOTO 7
P10-NO2 needs maintenance



PHOTO 8
P10-S01 not completed

ATTACHMENT A – Photos continued



PHOTO 9

P10—S03 reach is not completed to outlet of P10-10.

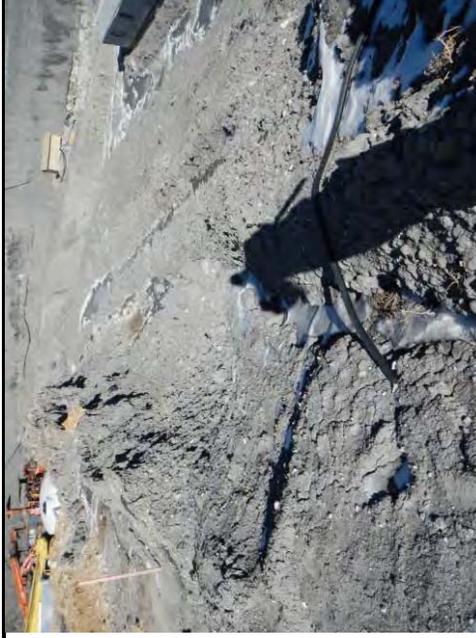


PHOTO 10

P10-S04 requires improvement at bathroom water line.



PHOTO 11

P10-R04 riprap and Culvert P10-08 outlet require maintenance



PHOTO 12

Pond 1 requires further sediment removal.

ATTACHMENT A – Photos continued



PHOTO 13
Pond 1B



PHOTO 14
Pond 2

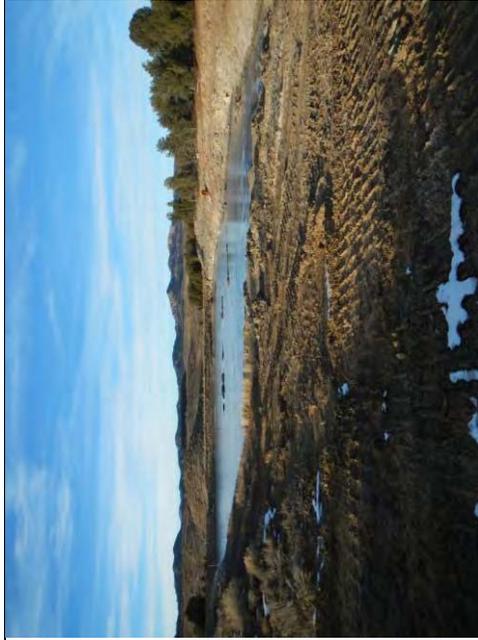


PHOTO 15
Pond 3



PHOTO 16
Pond 4

ATTACHMENT A – Photos continued



PHOTO 17 Coal fine accumulation on berm and road



PHOTO 18 Coal fines on haul road berm



PHOTO 19 Coal fines create dust.



PHOTO 20 Truck traffic creates dust at entrance.

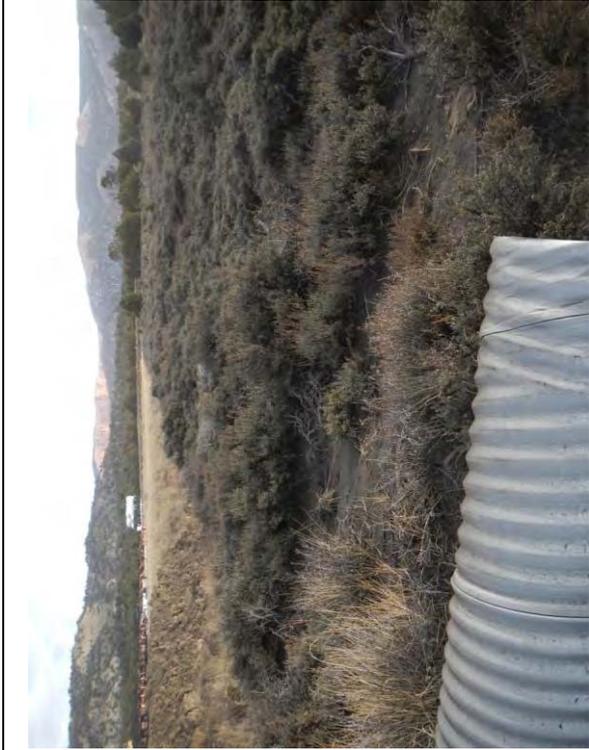


PHOTO 21 Coal dust on undisturbed within the permit area



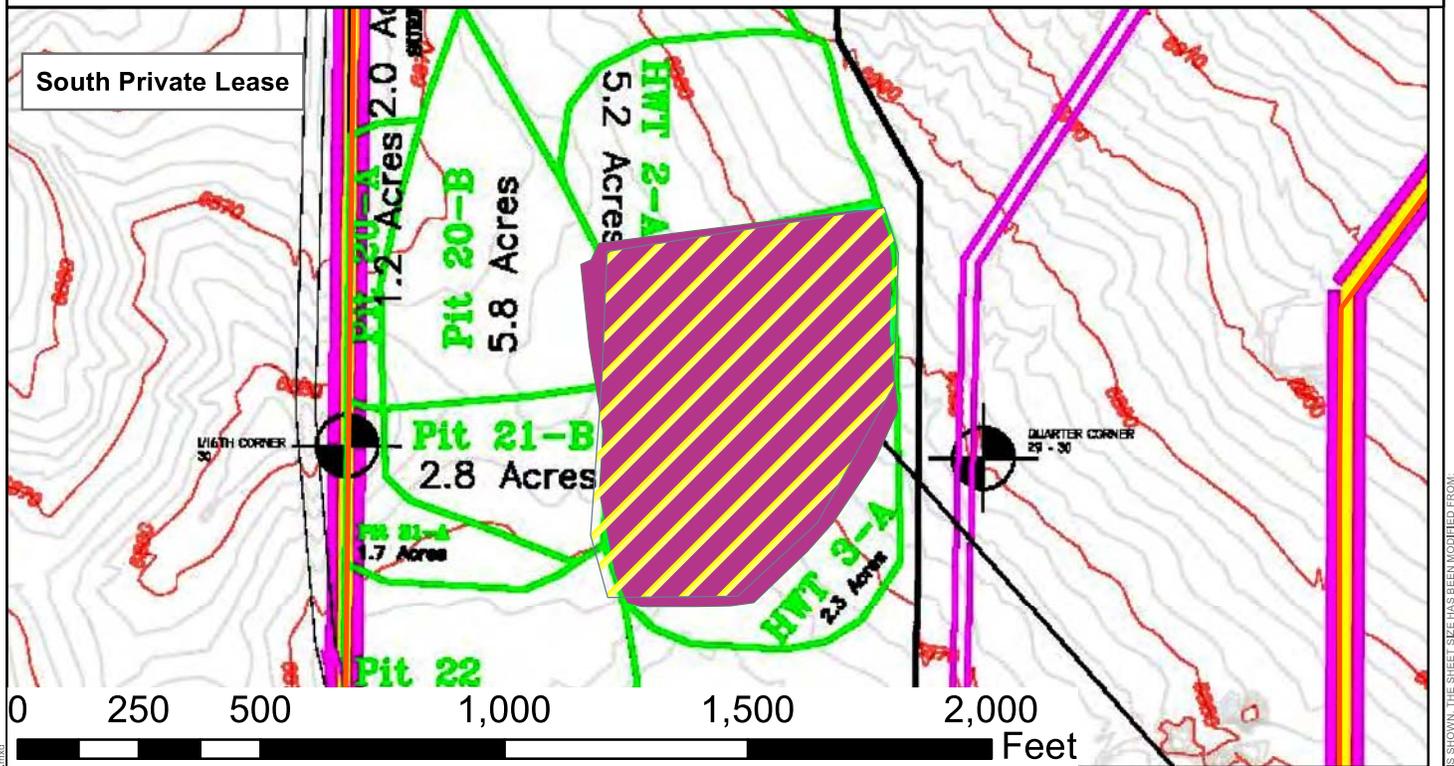
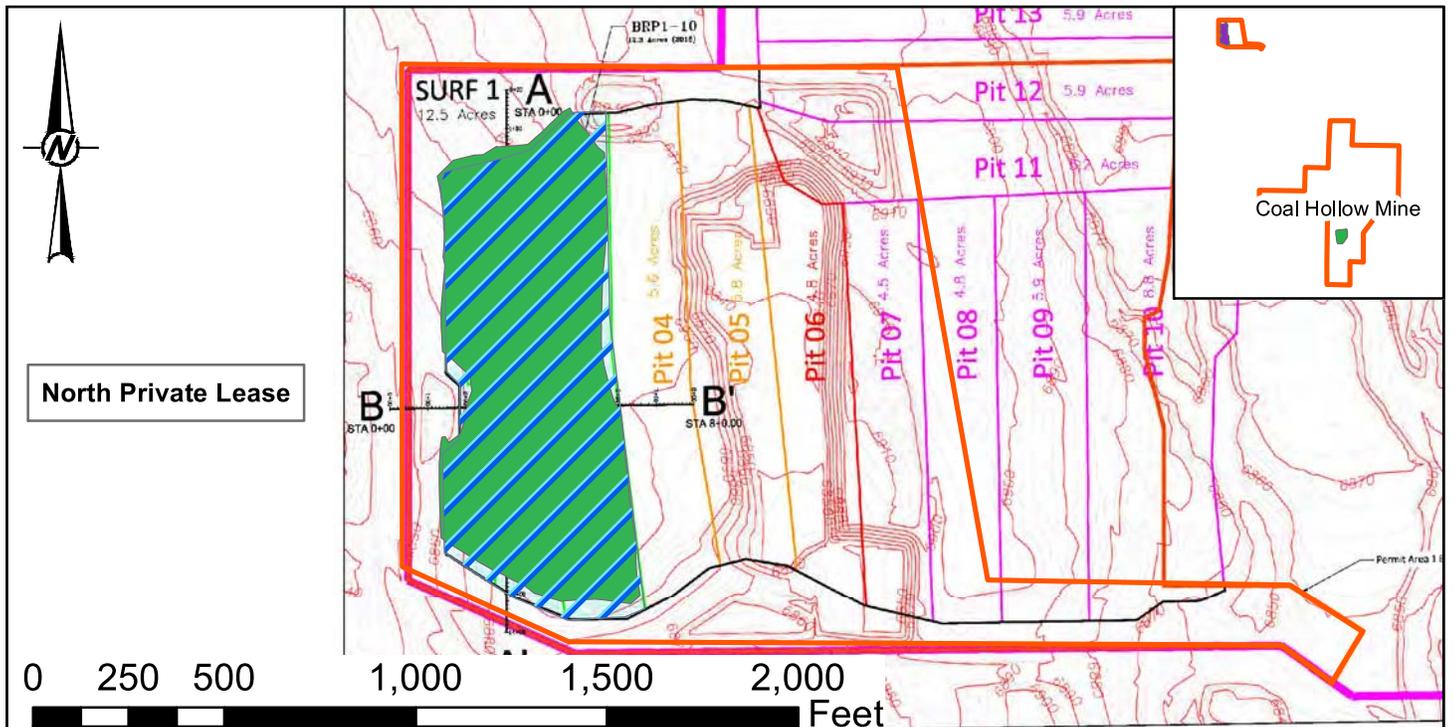
PHOTO 22 Coal fines in Robinson Creek



PHOTO 23 South Lease reclaimed Pit 6 coal fines on cow pie.



PHOTO 24 Further from haul road, reclaimed SL Pit 5 topsoil is not covered with coal fines, but reclaimed area is heavily grazed.



Legal Description of Area		Division Inspection	
	BRP1-09		BRP1-09
	BRP1-10		BRP1-10
name	Area	Name	Area
BRP1-09	9.16946	BRP1-09	9.76702
BRP1-10	12.4223	BRP1-10	11.7178

NOTES

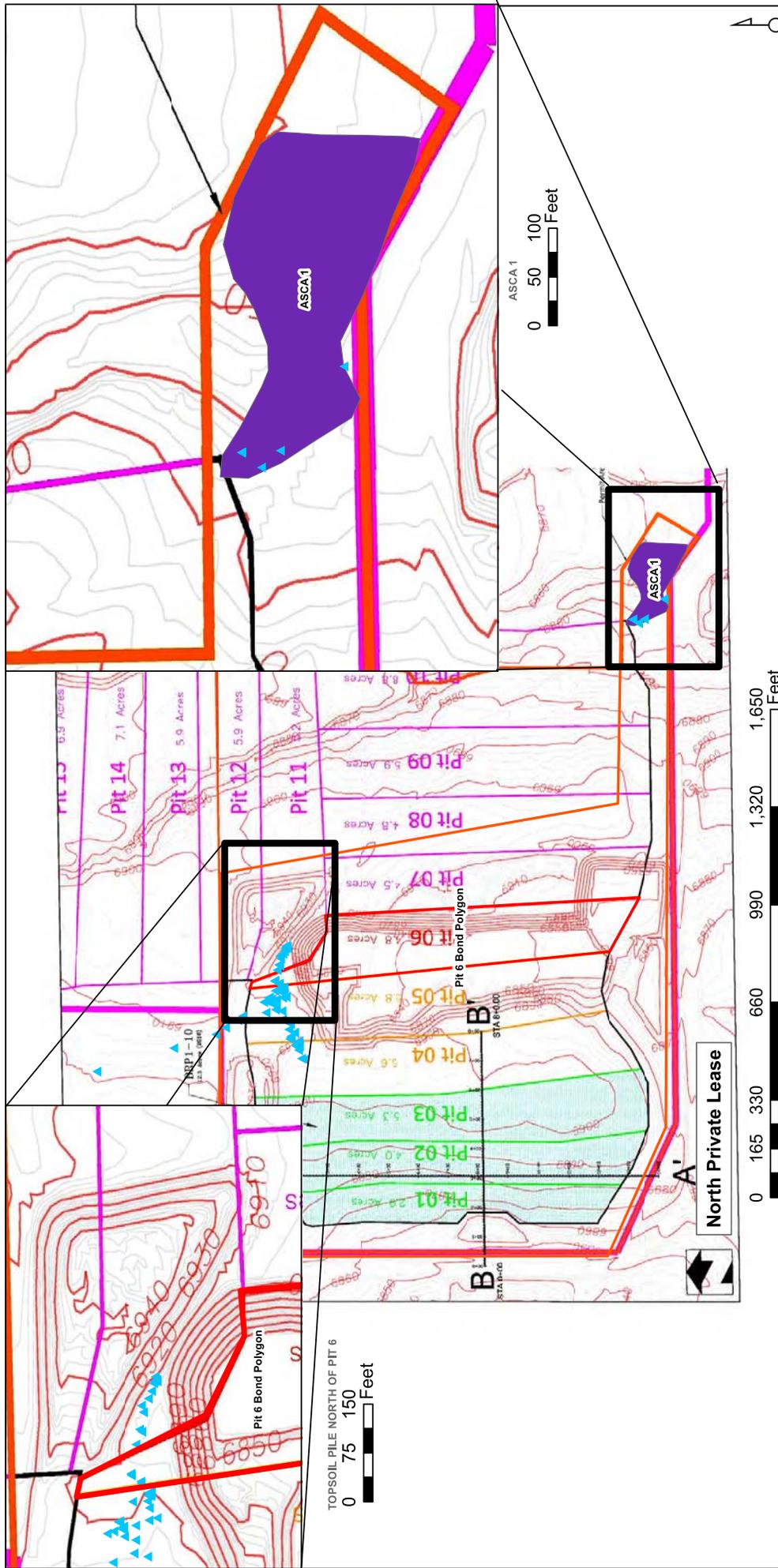
1. DIVISION INSPECTION CONDUCTED ON 11/29/16 AND 12/07/16
2. DIVISION INSPECTION POLYGONS ARE FROM FIELD GPS GARMIN ETREX
3. PERMITTEE BOND RELEASE POLYGONS ARE DRAWING OF PROVIDED LEGAL REFERENCES WITHIN THE BOND RELEASE APPLICATION

CLIENT ALTON COAL DEVELOPMENT			
PROJECT COAL HOLLOW C/025/005			
TITLE PHASE I BOND RELEASE TASK #5306			
YYYY-MM-DD	2016-12-13		
PREPARED	CHERYL PARKER		
DESIGN	CHERYL PARKER		
REVIEW	PRISCILLA BURTON		
APPROVED	####		
PROJECT Coal Hollow	MINE Alton Coal Development	Ref. C/025/005	FIGURE 1



Path: P:\GROUPS\ALLOGAME\Coal\025005 - Coal Hollow - MCD\5306 Phase I Bond Release.mxd

1 in IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM:



Legend

- Division Inspection Areas:
 - Pit 6 Bond Polygon (Red outline)
 - Division Day 2 Track (Blue outline)
 - ASCA 1 (Purple fill)
- Permit Area:
 - Active (Orange outline)

CLIENT
ALTON COAL DEVELOPMENT
NORTH PRIVATE LEASE

PROJECT
COAL HOLLOW
C/025/005

TITLE
DECEMBER 7-8, 2016
COMPLETE INSPECTION

DATE
2016-12-13

PREPARED
CHERYL PARKER

DESIGN
CHERYL PARKER

REVIEW
PRISCILLA BURTON

APPROVED
###

PROJECT
MINE
Coal Hollow

FIGURE
Ref. C/025/005

UTAH COAL PROGRAM

NOTES

- DIVISION INSPECTION CONDUCTED ON 12/7/16 AND 12/8/16
- DIVISION INSPECTION POLYGONS ARE FROM FIELD GPS GAMMIN, ETREX.
- INSPECTION POLYGONS FROM FIGURE 2 FROM TASK 3306 AND WAS THE SITS TOPOGRAPHY OF 11/3/2016

THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN. THE SHEET SIZE HAS BEEN ADJUSTED FROM...

Granite Seed - Lehi
1697 W 2100 N
Lehi, UT 84043

MIX Name: Sage Grass Mix
MIX # 171201

MIX Name: Sage Grass Mix
MIX # 1-40873

% Pure Common Name	Variety	G + D or H	Origin
40.09	TRIT-CALÉ	94-TZ	WA
9.28	SALTBUSH, FOURMING	51-TZ	UT
7.72	WESTERN WHEATGRASS	92-TZ	WA
6.07	BL. BUNCH WHEATGRASS	75-TZ	OR
5.32	BITTERBUSH ANTELOPE	53-TZ	ID
5.04	SLENDER WHEATGRASS	93 + 1 = 94	CA
4.98	LUPINE MOUNTAIN	95-TZ	UT
4.93	INDIAN RICEGRASS	9 + 93 = 96	WA
4.78	MOUNTAIN SNOWBERRY	99-TZ	UT
2.79	UTAH NORTHERN SWEETVETCH	85-TZ	WY
2.75	GLOBEMALLOW, SCARLET	86-TZ	UT
0.99	SHOWY GOLDENEYE	96-TZ	UT
0.54	BLUEGRASS, KENTUCKY	87 + 0 = 87	WA
0.50	BLUEGRASS, SANDBERG	95-TZ	MT
0.49	PENSTEMON, PALMER	97-TZ	UT

Date Tested: 16-Sep-15
 0.15 Other Crop
 3.30 Inert Matter
 0.04 Weed Seed
 Net Weight: 44.90 Lbs PLS
 Coverage: 2,800 Acres
 Noxious Weed: NONE FOUND

NOTICE TO BUYER LIMITATIONS OF WARRANTIES AND REMEDIES

Crop yield and quality are dependent upon many factors beyond the control of the labeled seller and NO WARRANTY is made for crop yield and quality. The labeled seller warrants that all seed sold has been labeled as required under applicable state and federal seed law and that the seed conforms to the label description, within recognized tolerances. THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THE DESCRIPTION ON THE LABEL.

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Will Call:
Kevin Heaton

Granite Seed - Lehi
1697 W 2100 N
Lehi, UT 84043

MIX Name: Sage Grass Mix - Broadcast
MIX # 171202

MIX Name: Sage Grass Mix
MIX # 1-40873

% Pure Common Name	Variety	G + D or H	Origin
34.87	WINTERFAT	VNS	NM
7.29	BLACK SAGEBRUSH	98-TZ	UT
4.29	SAGEBRUSH BASIN BIG	93-TZ	UT
0.74	SAGEBRUSH LOUISIANA	79-TZ	ID
		91-TZ	WY

Date Tested: 22-Sep-15
 0.10 Other Crop
 53.01 Inert Matter
 0.00 Weed Seed
 Net Weight: 3.30 Lbs PLS
 Coverage: 2,800 Acres
 Noxious Weed: NONE FOUND
 7.38 Lbs Bulk

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Will Call:
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From: Granite Seed - Lehi
1697 W 2100 N
Lehi, UT 84043

4 of 11

Granite Seed - Lehi
1697 W 2100 N
Lehi, UT 84043

Mix Name: Pasture Mix

1-33688

Mix # 162169

Pasture Mix

Mix Name: Pit 10 Mix

1-41729

Mix # 172565

Pit 10 Mix

% Pure	Common Name	Variety	G + D or H	Origin
44.08	TRITICALE	Quickguard II	83 + 0 = 83	WA
9.73	INTERMEDIATE WHEATGRASS	Dane	94 + 0 = 94	SD
7.22	WESTERN WHEATGRASS	Barton	95 - TZ	WA
5.26	MILKVETCH DICER	Lutana	15 + 72 = 87	MT
4.92	SMALL BURNET	Delar	93 + 0 = 93	OR
4.86	WILD RYE RUSSIAN	Swift	94 + 0 = 94	CAN
4.86	ALFALFA	Ladak 65	67 + 27 = 94	MT
4.76	THICKSPIKE WHEATGRASS	Schwendimar	91 + 5 = 96	WA
2.63	BROMEGRASS SMOOTH	Manchester	87 + 0 = 87	WA
2.54	BROMEGRASS MEADOW	Fest	90 - TZ	CAN
2.36	BLUE FLAX LEWIS	Accor	56 + 11 = 67	WA
1.22	UTAH NORTHERN SWEETVETCH	NS	94 - TZ	WY
1.14	SWEETCLOVER	Yellow Blossom	96 + 4 = 100	CAN
0.96	ORCHARDGRASS	Palute	95 + 0 = 95	OR
0.51	BROMEGRASS KENTUCKY	Orger	88 + 0 = 88	WA
0.48	TIMOTHY	Orger	95 + 0 = 95	CAN
0.10	YARROW, WESTERN	NS	93 + 0 = 93	OR

0.01	Other Crop	Date Tested:	22-DEC-14
2.35	Inert Matter	Hard Seed:	5.15
0.01	Weed Seed	NOXIOUS WEED: NONE	

Net Weight	47.30	Lbs PLUS	54.67	Lbs Bulk
Coverage: 2.5 Acres				

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Ship To:
Kevin Heaton
30 South Main St
Panguitch, UT 84759

% Pure	Common Name	Variety	G + D or H	Origin
32.26	TRITICALE	Quickguard II	93 + 0 = 93	WA
22.58	TALL WHEATGRASS	Abar	93 + 0 = 93	SC
15.31	CRESTED WHEATGRASS	Hycrest II	98 - TZ	MT
9.98	BROMEGRASS SMOOTH	Carlton	96 + 0 = 96	CAN
6.67	SWEETCLOVER	Yellow Blossom	84 + 6 = 90	CAN
6.19	WHEATGRASS RS HYBRID	AC Sallander	97 - TZ	CAN
3.26	ALFALFA	Ladak	71 + 21 = 92	MT
1.56	TRIKALI SACATON	NS	32 + 64 = 96	NM

0.06	Other Crop	Date Tested:	22-DEC-15
2.70	Inert Matter	Hard Seed:	1.09
0.03	Weed Seed	NOXIOUS WEED: NONE FOUND	

Net Weight	15.25 Lbs PLUS	16.66 Lbs Bulk
Coverage: 3.000 Acres		

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