



OGMCOAL DNR &lt;ogmcoal@utah.gov&gt;

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## 0070039 Dugout WRS nutrimulch application

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**Priscilla Burton** <priscillaburton@utah.gov>  
To: OGMCOAL DNR <ogmcoal@utah.gov>

Wed, Jan 10, 2018 at 4:08 PM

An application of nutrimulch was made to the Contemporaneous and test plot areas during the 2017 reclamation work on the Dugout Waste Rock Site. The site was seeded in the first week of January 2018 (email sent to file 1/3/2018 includes seed mix).

----- Forwarded message -----

From: **Bill King** <bking@bowieresources.com>  
Date: Wed, Jan 10, 2018 at 2:02 PM  
Subject: Dugout WRS Mulch  
To: "Priscilla Burton (priscillaburton@utah.gov)" <priscillaburton@utah.gov>

Priscilla,

Attached is the analysis for the B-grade Nutri-Mulch that was applied to the Dugout refuse pile.

150 CY of nutria-mulch was used for reclamation

The area of the reclaimed site was 84,000 ft<sup>2</sup>

This provided just over ½ inch coverage of nutria-mulch fertilizer

If you have any questions let me know.

**William King**

Mining Engineer



**Canyon Fuel Company, LLC**

**A Subsidiary of Bowie Resource Partners, LLC**  
**Dugout Canyon Mine**

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**Grade B Nutri-Mulch Analysis.pdf**

24K

# STUKENHOLTZ LABORATORY, INC.

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## Compost Analysis

800/745-8290  
/000-0000

NUTRI-MULCH  
PO BOX 368

MORONI UT 84646

Grower: NUTRI-MULCH

Sample ID.: SLUDGE ROW 5

Report No.: 98896  
Account No.: 2087  
Date Received: 11/02/16  
Date Reported: 11/02/16

<u>Nutrients Analyzed</u>	<u>Analysis Dry Wt. Basis</u>	<u>lb./Ton on As Recv'd Basis</u>
Total N, %	3.26	49.42
Total C, %	31.88	483.30
C:N Ratio	9.8:1	
Nitrate N, ppm	8	0.01
P <sub>2</sub> O <sub>5</sub> , %	2.26	34.26
K <sub>2</sub> O, %	1.50	22.74
Calcium, %	4.62	70.04
Magnesium, %	1.03	15.61
Sulfur, %	0.52	7.88
Zinc, ppm	128	0.194
Iron, ppm	1930	2.93
Manganese, ppm	96	0.146
Copper, ppm	230	0.350
Boron, ppm	23	0.035
Sodium, %	0.11	1.668
pH	8.7	
Salts as EC, mmhos	7.0	
Dry Matter	75.8	1,516

Notes: PHOSPHORUS%: 0.99  
POTASSIUM%: 1.25

Supervised by: Paul Stukenholtz

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