

express SW165
RECEIVED

SOLID WASTE LANDFILL ANNUAL REPORT
For Calendar year 2011

FEB 29 2012
UTAH DIVISION OF
SOLID & HAZARDOUS WASTE
2012.00573

Administrative Information (Please enter all the information requested below)

Facility Name: Materion Natural Resources
Facility Mailing Address: P. O. Box 815
(Number & Street, Box and/or Route)
City: Delta Zip Code: 84624
County: Millard Permit Number: 0302R1

Owner

Name: Materion Natural Resources Phone No.: 435.864.2701
Owner Mailing Address: P. O. Box 815
(Number & Street, Box and/or Route)
City: Delta State: Utah Zip Code: 84624
Contact Name: Porter W. Gregory III Contact Title: President
Contact's Mailing Address: P. O. Box 815 Delta, UT 84624
Phone No.: 435.864.2701 Contact's Email Address: greg.gregory@materion.com

Operator (Complete this section only if the operator is not an employee of the Owner shown above)

Name: _____ Phone No.: _____
Owner Mailing Address: _____
(Number & Street, Box and/or Route)
City: _____ State: Utah Zip Code: _____
Contact Name: _____ Contact Title: _____
Contact's Mailing Address: _____
Phone No.: _____ Contact's Email Address: _____

Facility Type and Status

- Class I Class IIIb Class V Facility Closed during the year
 Class II Class IVa Class VI
 Class IIIa Class IVb Date Closed: _____

Annual Disposal (Tons received at the facility for disposal)

Waste Type	Waste Origin				Total 42.2 Tons	Measurement	
	In-State		Out-of-State			Tons	Cubic Yards
Self-Generated							
Municipal	0.00	N/A	0.00	N/A	0.00	N/A	<input type="checkbox"/>
Industrial	0.00	N/A	0.00	N/A	0.00	N/A	<input type="checkbox"/>
C/D*	0.00	N/A	0.00	N/A	0.00	N/A	<input type="checkbox"/>

*C/D waste includes all waste going to a Class IV or VI landfill cell

Conversion Factor Used

- None Used Site Specific From Rules List Site Specific Conversion: _____

Recycling

Material Recycled: 0.00 N/A Reported in Tons Cubic Yards

Utah Disposal Fee

Disposal fee required to be paid to State Yes No (If yes please show fees paid below)

Municipal: _____ Industrial: _____ C/D: _____ Annual: _____

Municipal, Industrial and C/D are fees paid by Commercial Facilities. Annual fee is paid by facilities operated by a municipality

Current Landfill Remaining Capacity

Tons: _____ Cubic Yards: 49,628.00 Acre: _____ Years: _____

Acres Currently Open: _____ Acres Currently Closed: _____

Financial Assurance

Current Closure Cost Estimate: \$12,856.00

Current Post-Closure Cost Estimate: \$2,363.00

Current Amount or Balance in Mechanism: \$90,207.00

(If facility permit has been renewed and if balance does not equal or exceed total for closure and post-closure care please contact the Division)

Current Financial Assurance Mechanism: Letter of Credit, as per permit

(ie. Bond, Trust Fund, Corporate or government Test etc.)

Current Financial Assurance Mechanism Holder: JPMorgan Chase Bank

(ie. Name of Bond Company, Bank etc. Account number)

Financial Assurance: Each facility must recalculate the cost of closure and post-closure care to account for inflation and design changes each year. The inflation factor can be found on the Division web page. Facilities that are using a trust account should include a copy of the most recent account statement.

Note Facilities using "Local Government Financial Test" or the "Corporate Financial Test" must provide the information required in R315-309-8(4) or R315-309-9(3) each year.

Other Reports and Information to be Submitted with Annual Report

Ground Water Monitoring: Class I and V landfills only. Check if exempt

Explosive Gas Monitoring: Class I, II and V landfills only. Check if exempt

Does the facility have a landfill gas collection system Yes No

If yes please briefly describe use of gas, e.g., flared or used for electricity generation.

Training Report: A report of all training programs or procedures completed by facility personnel during the year.

Signature: Porter W. Gregory III

Date: Feb. 27, 2012

Signature should be by an executive officer, general partner, proprietor, elected official, or a duly authorized representative. A duly authorized representative must meet the requirements of the solid waste rules (UAC R315-310-2(4)(d)).

Type Name: Porter W. Gregory III

Title: President

RECEIVED

FEB 29 2012

UTAH DIVISION OF
SOLID & HAZARDOUS WASTE



MATERION

NATURAL RESOURCES
P.O. Box 815, Delta, UT 84624
435.864.2701 f 435.864.4004 www.materion.com

February 23, 2012

Utah Division of Solid & Hazardous Waste
195 North 1950 West
P.O. Box 144880
Salt Lake City, UT 84114-4880
Attn: Matt Sullivan

Re: Materion Landfill Closure and Post Closure Estimated Costs

Dear Matt:

For year ending 2011, the estimated closure and post closure costs are as shown. The information used was based on a report by JBR on March 24, 2009 on "Application for Renewal of Class IIIb Landfill Permit #0302R1(Revised) for Brush Resources (Now Materion Natural Resources).

In this report are the locations of the existing landfill and the proposed expansion locations of the landfill areas (3).

On page 21 of this report, the estimated costs for Closure plus Post Closure was \$88,038 for all 3 landfills which are 3 acres in surface area. This is equivalent to \$0.6737/sq.ft (43,560 sq. ft. per acre).

The estimated total surface disturbance as of end of 2011 was 21,916 sq. ft in north west landfill (inside tailings pond), which is the only area that has been used for landfill since 2009.

For 2009 costs, 21,916 sq. ft X \$0.6737/sq.ft. = \$14,765.

For 2010, the escalation factor was 1.009479

For 2011, the escalation factor was 1.02105

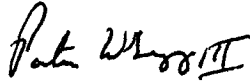
Thus for 2011, the needed funds for Closure and Post Closure is calculated to be \$15,219.

There is a Standby Letter of Credit with JPMorgan Chase Bank in Chicago, IL for \$90,207 for the Landfill Closure and Post Closure costs.

Therefore, there are sufficient funds to cover the Landfill Closure and Post Closure costs at this time.

This memo addresses the calculations used in estimating closure and post closure costs for the Materion landfill and the Letter of Credit. If you have any questions, please contact us.

Sincerely,

A handwritten signature in black ink, appearing to read "Porter W. Gregory III". The signature is written in a cursive style with a large initial "P".

Porter W. Gregory III
President

C: file

Otto:m:/environmental/2011/2011Mill Landfill closureAndPostClosurecosts.doc

JPMorgan Chase Bank, N.A.
Global Trade Services
131 South Dearborn, 5th Floor
Mail Code: IL1-0236
Chicago, IL 60603-5506

FEB 1, 2012
OUR L/C NO.: CLS410992
APPLICANT REF. NO.: CLS410992
AMENDMENT NO.: 3

TO:
UTAH DIVISION OF SOLID & HAZARDOUS
WASTE
288 N 1460 WEST
PO BOX 144880
SALT LAKE CITY UT 84114-4880 USA

APPLICANT:
MATERION NATURAL RESOURCES INC.
10 MILES NORTH HIGHWAY 6
DELTA, UT 84624

IN ACCORDANCE WITH INSTRUCTIONS RECEIVED, THE ABOVE REFERENCED STANDBY
LETTER OF CREDIT HAS BEEN AMENDED AS FOLLOWS:

RECEIVER'S REFERENCE: NONREF

L/C INCREASED BY: USD1,207.00

TO A NEW AGGREGATE AMOUNT OF USD90,207.00

ALL OTHER TERMS AND CONDITIONS OF THE CREDIT REMAIN UNCHANGED.

E. Albrasi

AUTHORIZED SIGNATURE



State of Utah

GARY HERBERT
Governor

GREG BELL
Lieutenant Governor

Department of
Environmental Quality

Amanda Smith
Executive Director

DIVISION OF SOLID AND
HAZARDOUS WASTE
Scott T. Anderson
Director

Solid and Hazardous Waste Control Board
Kevin Murray, *Chair*
Kory Coleman, *Vice-Chair*
Brian E. Brower
Scott Bruce
Jeff Coombs, MPH, LEHS
R. Ryan Dupont, Ph.D.
Larry A. Ellertson
Brett Mickelson
Brad Mertz
Gary Mossor
Dennis Riding
Dwayne Woolley
Amanda Smith
Scott T. Anderson
Executive Secretary

November 9, 2011

Alex Boulton, President
Materion Natural Resources, Inc.
P.O. Box 815
Delta, Utah 84624

RE: Inspection of Class IIIb Landfill

Dear Mr. Boulton:

The Class IIIb Landfill at Materion Natural Resources, Inc. was inspected by the Division of Solid and Hazardous Waste on October 26, 2011. We appreciate the assistance of Joe Morris and Bryce Moody during the inspection.

The landfill was well operated and determined to be in compliance with the permit requirements evaluated, as noted in the enclosed checklist. The required record keeping and routine inspections were reviewed and found to be acceptable. Please check with your front office and ensure that your monthly landfill site inspection reports are kept with your other required landfill records and documents.

If you have any questions, please call Matt Sullivan at (801) 536-0241.

Sincerely,

Scott T. Anderson, Director
Division of Solid and Hazardous Waste

STA/MS/kk

Enclosure: Inspection Checklist

TN201101058

195 North 1950 West • Salt Lake City, UT
Mailing Address: P.O. Box 144880 • Salt Lake City, UT 84114-4880
Telephone (801) 536-0200 • Fax (801) 536-0222 • T.D.D. (801) 536-4414
www.deq.utah.gov

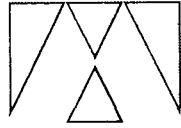
Printed on 100% recycled paper

8. ok

9. INSP ok

 ok
 ok
 ok
 9.

SHW Inspec
HW Inspec



MATERION
Natural Resources

Class III Landfill Inspection Sheet
2011

<u>Date Inspected</u>	<u>Inspected By:</u>	<u>Notes</u>
January		
February		
March		
April		
May		
June		
July		
August		
September 28 2011	<i>Erin Muehl</i>	
October 31 2011	<i>Erin Muehl</i>	
November 30 2011	<i>Erin Muehl</i>	
December 30-2011	<i>Erin Muehl</i>	

OPERATOR TRAINING CERTIFICATION CHECKLIST

LABORER

TASK HAZARDS

- | | | | |
|------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| 1 - AIR - HIGH PRESSURE | <input checked="" type="checkbox"/> | 12 - LANDFILL SAFETY | <input checked="" type="checkbox"/> |
| 2 - CHEMICALS | <input checked="" type="checkbox"/> | 13 - LIFTING | <input checked="" type="checkbox"/> |
| 3 - COMPRESSED GAS CYLINDERS | <input checked="" type="checkbox"/> | 14 - MOVING MACHINERY (PICKING ORE) | <input checked="" type="checkbox"/> |
| 4 - DERMAL SENSITIVITY | <input checked="" type="checkbox"/> | 15 - LOAD/UNLOAD PRODUCT | <input checked="" type="checkbox"/> |
| 5 - DRUM BALER | <input checked="" type="checkbox"/> | 16 - MECHANICAL | <input checked="" type="checkbox"/> |
| 6 - DUST AND FUMES | <input checked="" type="checkbox"/> | 17 - NOISE | <input checked="" type="checkbox"/> |
| 7 - ELECTRICAL | <input checked="" type="checkbox"/> | 18 - PPE | <input checked="" type="checkbox"/> |
| 8 - FALL PROTECTION | <input checked="" type="checkbox"/> | 19 - RESTRICTED AREAS | <input checked="" type="checkbox"/> |
| 9 - HAND POWER TOOLS | <input checked="" type="checkbox"/> | 20 - STEAM | <input checked="" type="checkbox"/> |
| 10 - HOT SLURRY | <input checked="" type="checkbox"/> | 21 - TRUCKS | <input checked="" type="checkbox"/> |
| 11 - LADDERS | <input checked="" type="checkbox"/> | 22 - TANK ENTRY/CONFINED SPACE | <input checked="" type="checkbox"/> |

EQUIPMENT USED:

- | | | | |
|-----------------|-------------------------------------|---------------|-------------------------------------|
| ATV/Mule/Kubota | <input checked="" type="checkbox"/> | Forklift, Cat | <input checked="" type="checkbox"/> |
| Forklift, Yale | <input checked="" type="checkbox"/> | Loader, 906 | <input checked="" type="checkbox"/> |
| Loader, 950 | <input checked="" type="checkbox"/> | | |

AREA'S STANDARD OPERATING PROCEDURES:

HSMS/BMP PROCEDURES:

DEMONSTRATED COMPETENCE:

Comments: _____

Employee: Phil Adams Date: 12-20-11

Dept. Trainer: By - Murr Date: 12.20.11

OPERATOR TRAINING CERTIFICATION CHECKLIST

LABORER

TASK HAZARDS

- | | | | |
|---------------------------------|-------------------------------------|--|-------------------------------------|
| 1 - AIR - HIGH PRESSURE | <input checked="" type="checkbox"/> | 12 - LANDFILL SAFETY | <input checked="" type="checkbox"/> |
| 2 - CHEMICALS | <input checked="" type="checkbox"/> | 13 - LIFTING | <input checked="" type="checkbox"/> |
| 3 - COMPRESSED GAS
CYLINDERS | <input checked="" type="checkbox"/> | 14 - MOVING MACHINERY
(PICKING ORE) | <input checked="" type="checkbox"/> |
| 4 - DERMAL SENSITIVITY | <input checked="" type="checkbox"/> | 15 - LOAD/UNLOAD PRODUCT | <input checked="" type="checkbox"/> |
| 5 - DRUM BALER | <input checked="" type="checkbox"/> | 16 - MECHANICAL | <input checked="" type="checkbox"/> |
| 6 - DUST AND FUMES | <input checked="" type="checkbox"/> | 17 - NOISE | <input checked="" type="checkbox"/> |
| 7 - ELECTRICAL | <input checked="" type="checkbox"/> | 18 - PPE | <input checked="" type="checkbox"/> |
| 8 - FALL PROTECTION | <input checked="" type="checkbox"/> | 19 - RESTRICTED AREAS | <input checked="" type="checkbox"/> |
| 9 - HAND POWER TOOLS | <input checked="" type="checkbox"/> | 20 - STEAM | <input checked="" type="checkbox"/> |
| 10 - HOT SLURRY | <input checked="" type="checkbox"/> | 21 - TRUCKS | <input checked="" type="checkbox"/> |
| 11 - LADDERS | <input checked="" type="checkbox"/> | 22 - TANK ENTRY/CONFINED
SPACE | <input checked="" type="checkbox"/> |

EQUIPMENT USED:

- | | | | |
|-----------------|-------------------------------------|---------------|-------------------------------------|
| ATV/Mule/Kubota | <input checked="" type="checkbox"/> | Forklift, Cat | <input checked="" type="checkbox"/> |
| Forklift, Yale | <input checked="" type="checkbox"/> | Loader, 906 | <input checked="" type="checkbox"/> |
| Loader, 950 | <input checked="" type="checkbox"/> | | |

AREA'S STANDARD OPERATING PROCEDURES:

HSMS/BMP PROCEDURES:

DEMONSTRATED COMPETENCE:

Comments: _____

Employee: Tina Brown Date: 12-20-11

Dept. Trainer: B. Muddy Date: 12-20-11

OPERATOR TRAINING CERTIFICATION CHECKLIST

LABORER

TASK HAZARDS

- | | | | |
|---------------------------------|-------------------------------------|--|-------------------------------------|
| 1 - AIR – HIGH PRESSURE | <input checked="" type="checkbox"/> | 12 - LANDFILL SAFETY | <input checked="" type="checkbox"/> |
| 2 - CHEMICALS | <input checked="" type="checkbox"/> | 13 - LIFTING | <input checked="" type="checkbox"/> |
| 3 - COMPRESSED GAS
CYLINDERS | <input checked="" type="checkbox"/> | 14 - MOVING MACHINERY
(PICKING ORE) | <input checked="" type="checkbox"/> |
| 4 - DERMAL SENSITIVITY | <input checked="" type="checkbox"/> | 15 - LOAD/UNLOAD PRODUCT | <input checked="" type="checkbox"/> |
| 5 - DRUM BALER | <input checked="" type="checkbox"/> | 16 - MECHANICAL | <input checked="" type="checkbox"/> |
| 6 - DUST AND FUMES | <input checked="" type="checkbox"/> | 17 - NOISE | <input checked="" type="checkbox"/> |
| 7 - ELECTRICAL | <input checked="" type="checkbox"/> | 18 - PPE | <input checked="" type="checkbox"/> |
| 8 - FALL PROTECTION | <input checked="" type="checkbox"/> | 19 - RESTRICTED AREAS | <input checked="" type="checkbox"/> |
| 9 - HAND POWER TOOLS | <input checked="" type="checkbox"/> | 20 - STEAM | <input checked="" type="checkbox"/> |
| 10 - HOT SLURRY | <input checked="" type="checkbox"/> | 21 - TRUCKS | <input checked="" type="checkbox"/> |
| 11 - LADDERS | <input checked="" type="checkbox"/> | 22 - TANK ENTRY/CONFINED
SPACE | <input checked="" type="checkbox"/> |

EQUIPMENT USED:

ATV/Mule/Kubota

Forklift, Yale

Loader, 950

Forklift, Cat

Loader, 906

AREA'S STANDARD OPERATING PROCEDURES:

HSMS/BMP PROCEDURES:

DEMONSTRATED COMPETENCE:

Comments: _____

Employee: Brook Moody

Date: 12-20-11

Dept. Trainer: Bn - Mule

Date: 12-20-11



MATERION

Natural Resources

Class III Landfill Inspection Sheet 2011

<u>Date Inspected</u>	<u>Inspected By:</u>	<u>Notes</u>
January		
February		
March		
April		
May		
June		
July		
August		
September 28 2011	<i>Erin Muddy</i>	
October 31 2011	<i>Erin Muddy</i>	
November 20 2011	<i>Erin Muddy</i>	
December 20 2011	<i>Erin Muddy</i>	

LANDFILL
DEPOSIT
SITE

TOTAL SURFACE AREA
115,194 SQ. FT.

21,916 SQ. FT. USED
93,278 SQ. FT. AVAILABLE

TOTAL VOLUME

$125,700 \text{ FT}^2 \times 12'-0''\text{H} = 1,508,400 \text{ FT}^3$
 $= (55,867 \text{ yds}^3)$

2/13/12

$125,700 \text{ FT}^2 \times 10'-8''\text{H} = 1,339,962 \text{ FT}^3$
 $= (49,628 \text{ yds}^3)$

6,240 yds³ USED
49,628 yds³ AVAILABLE

2/13/12

