

**GW-100**

**General  
Correspondence**

**YEAR(S): 2010 - 2014**

## **Lowe, Leonard, EMNRD**

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**From:** Jones, Brad A., EMNRD  
**Sent:** Wednesday, August 04, 2010 12:56 PM  
**To:** fordyce1@slb.com; VonGonten, Glenn, EMNRD  
**Cc:** Lowe, Leonard, EMNRD; Powell, Brandon, EMNRD; gcrabtree@envirotech-inc.com  
**Subject:** FW: Perlite insulation disposal.  
**Attachments:** Schlumberger\_Farmington\_Perlite.pdf

Based upon the laboratory analytical results provided, OCD hereby approves of your request pursuant to 19.15.35.8 NMAC (formerly, Rule 712) for disposal of the proposed non-domestic waste at a solid waste facility. The following waste(s) is approved:

Perlite Insulation - "other wastes as applicable" pursuant to Subparagraph (n) of 19.15.35.8C(3) NMAC [based upon review of MSDS]

Waste Management is responsible for the review of any additional testing that they request beyond the testing parameters specified under the provisions of Section 8 of 19.15.35 NMAC. Please confirm with the San Juan Regional County Landfill (SJRCCL) of any additional testing they might require and their willingness to accept such waste prior to delivery.

Please be advised that approval of this request does not relieve the owner / operator of liability should operations result in pollution of surface water, ground water or the environment. Nor does approval relieve the owner / operator of its responsibility to comply with any other applicable governmental authority's rules and regulations.

If you have any questions regarding this matter, please do not hesitate to contact me.

**Brad A. Jones**  
*Environmental Engineer*  
*Environmental Bureau*  
*NM Oil Conservation Division*  
*1220 S. St. Francis Drive*  
*Santa Fe, New Mexico 87505*  
*E-mail: [brad.a.jones@state.nm.us](mailto:brad.a.jones@state.nm.us)*  
*Office: (505) 476-3487*  
*Fax: (505) 476-3462*

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**From:** Greg Crabtree [mailto:gcrabtree@envirotech-inc.com]  
**Sent:** Wednesday, August 04, 2010 11:14 AM  
**To:** VonGonten, Glenn, EMNRD  
**Subject:** Perlite insulation disposal.

Mr. von Gotten,

Attached is the waste manifest for the Perlite Insulation that needs to be disposed of at Waste Management's San Juan County Regional Landfill. Below is correspondence between Schlumberger and Lenard Lowe requesting the documentation from the OCD regarding the OCD stance on the disposal. I would appreciate any help you could give in regards to this matter.

Thanks,

Greg Crabtree

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**From:** Andrew S Fordyce  
**Sent:** Friday, July 23, 2010 3:21 PM  
**To:** 'leonard.lowe@state.nm.us'; 'Brandon.Powell@state.nm.us'  
**Subject:** Perlite insulation disposal.

Leonard & Brandon,

I've been asked to scrap (cut up and dispose of) an old liquid nitrogen storage tank that has not been used for years. This storage vessel is actually a tank within a tank and has a commonly used insulation material in between the two tanks called perlite. Before I can cut up the tank for scrap metal, I need to have Riley Industrial come to our facility and vacuum out the perlite insulation which we planned to dispose of at the local Waste Management land fill. Waste Management has asked that I check with the OCD to see if this was regulated, needed an approval, etc. I've attached the WM profile sheet that I filled out and an MSDS that I downloaded from the internet.

Please advise.

Thanks in advance,

Andy Fordyce  
Schlumberger Well Services  
Operations Manager; Farmington, NM  
[fordyce1@slb.com](mailto:fordyce1@slb.com)  
1-505-325-5096



## Generator's Non-hazardous Waste Profile Sheet

Requested Disposal Facility: Landfill in Farmington, NM Profile Number: \_\_\_\_\_  
☐ Renewal for Profile Number: \_\_\_\_\_ Waste Approval Expiration Date: \_\_\_\_\_  
☐ Check here if there are multiple generating locations for this waste. Attach additional locations.

**A. Waste Generator Facility Information (must reflect location of waste generation/origin)**

1. Generator Name: Schlumberger Well Services  
 2. Site Address: 3106 Bloomfield Hwy. 7. Email Address: fordyce1@slb.com  
 3. City/ZIP: Farmington / 87401 8. Phone: 505-599-1735 9. FAX: 505-327-0317  
 4. State: New Mexico 10. NAICS Code: \_\_\_\_\_  
 5. County: San Juan 11. Generator USEPA ID #: NM0094137254  
 6. Contact Name/Title: Andy Fordyce / Ops Manager 12. State ID# (if applicable): \_\_\_\_\_

**B. Customer Information** ☐ same as above

P. O. Number: \_\_\_\_\_

1. Customer Name: Riley Industrial Services Inc. 6. Phone: 505-327-4947 FAX: \_\_\_\_\_  
 2. Billing Address: 2615 San Juan Blvd. 7. Transporter Name: Riley Industrial Services Inc  
 3. City, State and ZIP: Farmington, NM 87401 8. Transporter ID # (if appl.): \_\_\_\_\_  
 4. Contact Name: David Brackney 9. Transporter Address: 2615 San Juan Blvd.  
 5. Contact Email: \_\_\_\_\_ 10. City, State and ZIP: Farmington, NM 87401

**C. Waste Stream Information**

## 1. DESCRIPTION

a. Common Waste Name: Perlite (Expanded)  
 State Waste Code(s): CAS Number 93763-70-3

b. Describe Process Generating Waste or Source of Contamination:

Perlite material used as insulation in nitrogen storage tank that is being scrapped.

c. Typical Color(s): White / Gray  
 d. Strong Odor? ☐ Yes ☒ No Describe: \_\_\_\_\_  
 e. Physical State at 70°F: ☒ Solid ☐ Liquid ☐ Powder ☐ Semi-Solid or Sludge ☐ Other: \_\_\_\_\_  
 f. Layers? ☐ Single layer ☐ Multi-layer ☒ NA  
 g. Water Reactive? ☐ Yes ☒ No If Yes, Describe: \_\_\_\_\_  
 h. Free Liquid Range (%): \_\_\_\_\_ to \_\_\_\_\_ ☒ NA(solid)  
 i. pH Range: \_\_\_\_\_ to \_\_\_\_\_ ☒ NA(solid)  
 j. Liquid Flash Point: ☐ < 140°F ☐ 140°- 199°F ☐ ≥ 200°F ☒ NA(solid)  
 k. Flammable Solid: ☐ Yes ☒ No

l. Physical Constituents: List all constituents of waste stream - (e.g. Soil 0-80%, Wood 0-20%): ☐ (See Attached)

Constituents (Total Composition Must be ≥ 100%)	Lower Range	Unit of Measure	Upper Range	Unit of Measure
1. <u>Silicon</u>	<u>32</u>	<u>%</u>	<u>35</u>	<u>%</u>
2. <u>Aluminum</u>	<u>6</u>	<u>%</u>	<u>8</u>	<u>%</u>
3. <u>Potassium</u>	<u>3</u>	<u>%</u>	<u>4</u>	<u>%</u>
4. <u>Sodium</u>	<u>3</u>	<u>%</u>	<u>4</u>	<u>%</u>
5. <u>Trace elements: Iron, calcium, magnesium, bound water.</u>	<u>4</u>	<u>%</u>	<u>6</u>	<u>%</u>
6. <u>Oxygen</u>	<u>45</u>	<u>%</u>	<u>52</u>	<u>%</u>

## 2. ESTIMATED QUANTITY OF WASTE AND SHIPPING INFORMATION

a. ☒ One Time Event ☐ Base ☐ Repeat Event  
 b. Estimated Annual Quantity: 37 ☐ Tons ☒ Cubic Yards ☐ Drums ☐ Gallons ☐ Other (specify): \_\_\_\_\_  
 c. Shipping Frequency: \_\_\_\_\_ Units per ☐ Month ☐ Quarter ☐ Year ☒ One Time ☐ Other  
 d. Is this a U.S. Department of Transportation (USDOT) Hazardous Material? (If yes, answer e.) ☐ Yes ☒ No  
 e. USDOT Shipping Description (if applicable): \_\_\_\_\_

3. SAFETY REQUIREMENTS (Handling, PPE, etc.): Appropriate PPE for nuisance dust may be required (dust mask / goggles).



## Generator's Non-hazardous Waste Profile Sheet

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### D. Regulatory Status (Please check appropriate responses)

1. Waste Identification:
  - a. Does the waste meet the definition of a USEPA listed or characteristic hazardous waste as defined by 40 CFR Part 261? ☐ Yes ☒ No  
1. If yes, please complete a hazardous waste profile.
  - b. Does the waste meet the definition of a state hazardous waste other than identified in D.1.a? ☐ Yes ☒ No  
1. If yes, please complete a hazardous waste profile.
2. Is this waste included in one or more of categories below (Check all that apply)? If yes, attach supporting documentation. ☐ Yes ☒ No
  - ☐ Delisted Hazardous Waste
  - ☐ Excluded Wastes Under 40CFR 261.4
  - ☐ Treated Hazardous Waste Debris
  - ☐ Treated Characteristic Hazardous Waste
3. Is the waste from a Federal (40 CFR 300, Appendix B) or state mandated clean-up? If yes, see instructions. ☐ Yes ☒ No
4. Does the waste represented by this waste profile sheet contain radioactive material? ☐ Yes ☒ No
  - a. If yes, is disposal regulated by the Nuclear Regulatory Commission? ☐ Yes ☐ No
  - b. If yes, is disposal regulated by a State Agency for radioactive waste/NORM? ☐ Yes ☐ No
5. Does the waste represented by this waste profile sheet contain Polychlorinated Biphenyls (PCBs)? ☐ Yes ☒ No  
(If yes, list in Chemical Composition - C.1.1.)
  - a. If yes, are the PCBs regulated by 40 CFR 761? ☐ Yes ☐ No
  - b. If yes, is it remediation waste from a project being performed under the Self-Implementing option provided in 40 CFR 761.61(a)? ☐ Yes ☐ No
  - c. If yes, were the PCBs imported into the US? ☐ Yes ☐ No
6. Does the waste contain untreated, regulated medical or infectious waste? ☐ Yes ☒ No
7. Does the waste contain asbestos? ☐ Yes ☒ No
  - a. If Yes, ☐ Friable ☐ Non Friable
8. Is this profile for remediation waste from a facility that is a major source of Hazardous Air Pollutants (Site Remediation NESHAP, 40 CFR 63 subpart GGGGG)? ☐ Yes ☒ No
  - a. If yes, does the waste contain <500 ppmw VOHAPs at the point of determination? ☐ Yes ☐ No

### E. Generator Certification (Please read and certify by signature below)

By signing this Generator's Waste Profile Sheet, I hereby certify that all:

1. Information submitted in this profile and all attached documents contain true and accurate descriptions of the waste material;
2. Relevant information within the possession of the Generator regarding known or suspected hazards pertaining to this waste has been disclosed to WM/the Contractor;
3. Analytical data attached pertaining to the profiled waste was derived from testing a representative sample in accordance with 40 CFR 261.20(c) or equivalent rules; and
4. Changes that occur in the character of the waste (i.e. changes in the process or new analytical) will be identified by the Generator and disclosed to WM (and the Contractor if applicable) prior to providing the waste to WM (and the contractor if applicable).
5. Check all that apply:
  - ☐ a. Attached analytical pertains to the waste. Identify laboratory & sample ID #'s and parameters tested: \_\_\_\_\_ # Pages: \_\_\_\_\_
  - ☐ b. Only the analysis identified on the attachment pertain to the waste (identify by laboratory & sample ID #'s and parameters tested). Attachment #: \_\_\_\_\_
  - ☒ c. Additional information necessary to characterize the profiled waste has been attached (other than analytical, such as MSDS). Indicate the number of attached pages: MSDS, 4 pages
  - ☒ d. I am an agent signing on behalf of the Generator, and the delegation of authority to me from the Generator for this signature is available upon request.

Certification: Andrew S Fordyce Title: Operations Manager  
Company Name: Schlumberger Well Services Name (Print): Schlumberger Well Services  
Date: 7/22/10

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# Material Safety Data Sheet – Perlite

## I. Product Identification

**Trade Name (as labeled)** Supreme Perlite (Expanded)  
**Manufacturers Name** Supreme Perlite Company  
**Website & Email:** [www.perlite.com](http://www.perlite.com)  
[info@perlite.com](mailto:info@perlite.com)  
**Address:** 4600 N. Suttle Rd.  
Portland, OR 97217  
**Phone Number:** 503-286-4333  
**Date Revised:** 07/03/2007 Rev. 2

## II. Product Ingredients

<b>Ingredient Name</b>	<b>CAS Number</b>	<b>%</b>	<b>PEL</b>	<b>TLV(total)</b>
Perlite	93763-70-3	100	15 mg/M3	10mg/M3

A mineral composed of sodium potassium aluminum silicate of variable composition.

Perlite is considered a nuisance dust (also called "Particulates Not Otherwise Classified (PNOC) by ACGIH).

HMIS Code: Health – 0, Fire – 0, Reactivity – 0, Personal Protection – X.

Alpha-Cristobalite & Tridymite: Less than 0.1%

Alpha Quartz: <0.1% below detectable limits

## III. Physical Properties

<b>Vapor Density (air=1)</b>	N/A	<b>Melting point or range. °F</b>	2000+
<b>Specific Gravity</b>	2.35	<b>Boiling point or range. °F</b>	N/A
<b>Solubility in Water</b>	<1%	<b>Evaporation rate (butyl acetate = 1)</b>	N/A
<b>Vapor Pressure (mmHg @ 20°C)</b>	N/A		

**Appearance and odor:** White to off white granules, no odor.

**HOW TO DETECT THIS SUBSTANCE** (warning properties of substance as a gas, vapor, dust or mist)

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Visual only (dust). No gas, vapors, or mist emitted.

-----**IV. Fire and Explosion**-----

**Flash Point, °F (give method)** Perlite is a fully oxidized, non-flammable mineral. It is noncombustible and non-flammable.

**Auto ignition temp., °F** N/A

**Flammable limits in air, Vol. %** N/A lower (LEL) N/A upper (UEL) N/A

**Fire extinguishing materials:** N/A

\_\_\_\_\_ water spray      \_\_\_\_\_ carbon dioxide      \_\_\_\_\_ other

\_\_\_\_\_ foam      \_\_\_\_\_ dry chemical

**Special fire fighting procedures:** N/A

**Usual fire & explosion hazards:** N/A

-----**V. Health Hazard Information**-----

**SYMPTOMS OF EXPOSURE for each potential route of exposure**

**Inhaled:** Coughing

**Contact with skin or eyes:** Possible eye irritation from dust particles; wear eye protection.

**Absorbed through skin:** N/A

**Swallowed:** N/A

**HEALTH EFFECTS OR RISKS FROM EXPOSURE.**

**Acute:** None

**Chronic:** Excessive inhalation over long period may cause harmful irritation; use mask suitable for nuisance dust.

**Target Organ:** None

**FIRST AID: EMERGENCY PROCEDURES**

**Eye Contact:** Attempt to wash out with clear water; if unable, have particle removed by doctor.

**Skin Contact:** None

**Inhaled:** Remove affected individual from dusty area to area with clean air.

Swallowed: None

**SUSPECTED CANCER AGENT?**

☒ **No:** This product's ingredients are not found in below lists.

**YES:** ☐ Federal OSHA ☐ NTP ☐ IARC

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE**

Any respiratory illnesses, which a nuisance dust may aggravate.

-----**VI Reactivity Data**-----

**Stability:** ☒ Stable ☐ Unstable

**Incompatibility:** Hydrofluoric Acid

**Hazardous Polymerization:** ☐ May occur ☒ Will not occur

**Conditions to avoid:** None in designed use.

**Hazardous Decomposition Products:** May react with hydrofluoric acid form toxic gas.

-----**VII. Spill, Leak & Disposal Procedures**-----

**Spill response procedures (include employee protection measures):**

Vacuum clean or sweep material; Use respirators suitable for nuisance dust & eye protection.

**Preparing wastes for disposal (container types, neutralization, etc.):**

Dispose in bulk or containers according to local dump requirements. No special treatment required.

**NOTE: Dispose of all wastes in accordance with federal, state and local regulations.**

-----**VIII. SPECIAL HANDLING INFORMATION**-----

**Ventilation and engineering controls:**

Maintain dust level below TLV.

**Respiratory protection (type):**

Masks suitable for nuisance dust.

**Eye protection (type):**

Protective goggles.



**Gloves (specify material):**

Not required.

**Work practices, hygienic practices:**

Use good housekeeping to avoid transient dust.

**Other handling and storage requirements:**

Use good housekeeping to avoid transient dust.

**Protective measures during maintenance of contaminated equipment:**

No special equipment, other than respirators and goggles.

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As of the date of this document, the foregoing information is believed to be accurate and is provided in good faith to comply with applicable federal and state laws. However, no warranty or representation with respect to such information is intended or given, and it is the responsibility of the user to comply with all applicable federal, state and local laws and regulations

## **Lowe, Leonard, EMNRD**

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**From:** Andrew S Fordyce [fordyce1@slb.com]  
**Sent:** Sunday, July 25, 2010 9:20 PM  
**To:** Lowe, Leonard, EMNRD; Powell, Brandon, EMNRD  
**Subject:** C-141 for Schlumberger (Farmington, NM)  
**Attachments:** C-141\_Farmington\_Schlumberger\_7-25-10.pdf

Leonard & Brandon,

Please see attached Form C-141 regarding the acid leak at the Schlumberger Well Services facility in Farmington, NM.  
Please feel free to contact me should you have any questions.

Regards,

Andy Fordyce  
Schlumberger Well Services  
Operations Manager; Farmington, NM  
[fordyce1@slb.com](mailto:fordyce1@slb.com)  
1-505-325-5096

07/25/10 E-MAIL ATTACHMENT *Kowe*

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural Resources  
Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-141  
Revised October 10, 2003

Submit 2 Copies to appropriate  
District Office in accordance  
with Rule 116 on back  
side of form

## Release Notification and Corrective Action

### OPERATOR

☒ Initial Report ☐ Final Report

Name of Company Schlumberger Technology Corporation	Contact Andy Fordyce
Address 3106 Bloomfield Highway, Farmington, NM 87401	Telephone No. 505.325.5096
Facility Name Schlumberger Well Services - Farmington	Facility Type Base Facility (not a well site)
Surface Owner (not a well site)	Mineral Owner (not a well site)
Lease No. N/A	

### LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
P	14	29N	13W					San Juan

Latitude N36.43.159° Longitude W108.10.154°

### NATURE OF RELEASE

Type of Release: 28% HCl leak occurred inside an impervious lined secondary containment. All was contained. No spill occurred outside of containment.	Volume of Release maximum 1200 gallons of 28% HCl inside a lined impervious secondary containment	Volume Recovered All
Source of Release: Leak occurred around valve associated with a pump	Date and Hour of Occurrence July 11, 2010; Time unknown. FD in charge of scene.	Date and Hour of Discovery FD advised around 8:30 PM MST, July 11, 2010 that there were several inches of liquid inside the impervious secondary containment. It should be noted that there were no signs of leakage the day before, Saturday, July 10, 2010, by our personnel.
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom? Courtesy calls were made to 24 hr NM spill hotline manned by Dept of Public Safety and to NM Emergency Response Commission on July 11, 2010, around 8:28 PM MST and 9:40 PM MST respectively, advising that the FD was managing an alleged spill of acid at our facility. The spill did not exceed a CERCLA RQ.	
By Whom? Bob Hazelwood	Date and Hour: around 8:30 PM MST Sunday July 11, 2010, FD advised that there was liquid inside the lined impervious containment	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. N/A	
If a Watercourse was Impacted, Describe Fully.* N/A. The leak was contained within a lined impervious containment		
Describe Cause of Problem and Remedial Action Taken.* The leak occurred due to corrosion around a valve associated with the pump. The valve and associated plumbing have been decommissioned and are not being replaced. The tank associated with this line is empty and being decommissioned as well. It should be noted that we are in the initial stages of shutting down and decommissioning the acid plant completely.		
Describe Area Affected and Cleanup Action Taken.*  The FD was in charge of the scene and managed the neutralization of 28% HCL that had leaked from a valve inside the lined impervious containment with soda ash. Envirotech (our 3 <sup>rd</sup> party contractor), upon approval from FD, completed the final neutralization steps and transferred the neutralized material into tanks for profiling and disposal. Envirotech also washed the containment and collected the washwaters in a tank for disposal as well. Waste profiles were prepared and approved by Ashland, for disposal as non-hazardous waste, with scheduled pick-up July 26, 2010.  It should be noted that the FD released the property back to Schlumberger on Monday, July 12, early afternoon.		

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

		<u>OIL CONSERVATION DIVISION</u>	
Signature: <u>Andrew S Fordyce</u>		Approved by District Supervisor:	
Printed Name: <u>Andy Fordyce</u>			
Title: <u>Operations Manager</u>		Approval Date:	Expiration Date:
E-mail Address: <u>fordyce1@slb.com</u>		Conditions of Approval:	Attached <input type="checkbox"/>
Date: <u>7/25/10</u> Phone: <u>505 325 5096</u>			

\* Attach Additional Sheets If Necessary

## **Lowe, Leonard, EMNRD**

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**From:** Andrew S Fordyce [fordyce1@slb.com]  
**Sent:** Friday, July 23, 2010 3:21 PM  
**To:** Lowe, Leonard, EMNRD; Powell, Brandon, EMNRD  
**Subject:** Perlite insulation disposal.  
**Attachments:** Schlumberger\_Farmington\_Perlite.pdf

Leonard & Brandon,

I've been asked to scrap (cut up and dispose of) an old liquid nitrogen storage tank that has not been used for years. This storage vessel is actually a tank within a tank and has a commonly used insulation material in between the two tanks called perlite. Before I can cut up the tank for scrap metal, I need to have Riley Industrial come to our facility and vacuum out the perlite insulation which we planned to dispose of at the local Waste Management land fill. Waste Management has asked that I check with the OCD to see if this was regulated, needed an approval, etc. I've attached the WM profile sheet that I filled out and an MSDS that I downloaded from the internet.

Please advise.

Thanks in advance,

Andy Fordyce  
Schlumberger Well Services  
Operations Manager; Farmington, NM  
[fordyce1@slb.com](mailto:fordyce1@slb.com)  
1-505-325-5096



# Generator's Non-hazardous Waste Profile Sheet

Requested Disposal Facility: Landfill in Farmington, NM

Profile Number: \_\_\_\_\_

☐ Renewal for Profile Number: \_\_\_\_\_

Waste Approval Expiration Date: \_\_\_\_\_

☐ Check here if there are multiple generating locations for this waste. Attach additional locations.

## A. Waste Generator Facility Information (must reflect location of waste generation/origin)

1. Generator Name: Schlumberger Well Services2. Site Address: 3106 Bloomfield Hwy.7. Email Address: fordyce1@slb.com3. City/ZIP: Farmington / 874018. Phone: 505-599-17359. FAX: 505-327-03174. State: New Mexico

10. NAICS Code: \_\_\_\_\_

5. County: San Juan11. Generator USEPA ID #: NM00941372546. Contact Name/Title: Andy Fordyce / Ops Manager

12. State ID# (if applicable): \_\_\_\_\_

## B. Customer Information ☐ same as above

P. O. Number: \_\_\_\_\_

1. Customer Name: Riley Industrial Services Inc.6. Phone: 505-327-4947

FAX: \_\_\_\_\_

2. Billing Address: 2615 San Juan Blvd.7. Transporter Name: Riley Industrial Services Inc3. City, State and ZIP: Farmington, NM 87401

8. Transporter ID # (if appl.): \_\_\_\_\_

4. Contact Name: David Brackney9. Transporter Address: 2615 San Juan Blvd.

5. Contact Email: \_\_\_\_\_

10. City, State and ZIP: Farmington, NM 87401

## C. Waste Stream Information

### 1. DESCRIPTION

a. Common Waste Name: Perlite (Expanded)State Waste Code(s): CAS Number 93763-70-3

b. Describe Process Generating Waste or Source of Contamination:

Perlite material used as insulation in nitrogen storage tank that is being scrapped.

c. Typical Color(s): White / Grayd. Strong Odor? ☐ Yes ☒ No Describe: \_\_\_\_\_e. Physical State at 70°F: ☒ Solid ☐ Liquid ☐ Powder ☐ Semi-Solid or Sludge ☐ Other: \_\_\_\_\_f. Layers? ☐ Single layer ☐ Multi-layer ☒ NAg. Water Reactive? ☐ Yes ☒ No If Yes, Describe: \_\_\_\_\_h. Free Liquid Range (%): \_\_\_\_\_ to \_\_\_\_\_ ☒ NA(solid)i. pH Range: \_\_\_\_\_ to \_\_\_\_\_ ☒ NA(solid)j. Liquid Flash Point: ☐ < 140°F ☐ 140°- 199°F ☐ ≥ 200°F ☒ NA(solid)k. Flammable Solid: ☐ Yes ☒ Nol. Physical Constituents: List all constituents of waste stream - (e.g. Soil 0-80%, Wood 0-20%): ☐ (See Attached)

Constituents (Total Composition Must be ≥ 100%)	Lower Range	Unit of Measure	Upper Range	Unit of Measure
1. <u>Silicon</u>	<u>32</u>	<u>%</u>	<u>35</u>	<u>%</u>
2. <u>Aluminum</u>	<u>6</u>	<u>%</u>	<u>8</u>	<u>%</u>
3. <u>Potassium</u>	<u>3</u>	<u>%</u>	<u>4</u>	<u>%</u>
4. <u>Sodium</u>	<u>3</u>	<u>%</u>	<u>4</u>	<u>%</u>
5. <u>Trace elements: Iron, calcium, magnesium, bound water.</u>	<u>4</u>	<u>%</u>	<u>6</u>	<u>%</u>
6. <u>Oxygen</u>	<u>45</u>	<u>%</u>	<u>52</u>	<u>%</u>

### 2. ESTIMATED QUANTITY OF WASTE AND SHIPPING INFORMATION

a. ☒ One Time Event ☐ Base ☐ Repeat Eventb. Estimated Annual Quantity: 37 ☐ Tons ☒ Cubic Yards ☐ Drums ☐ Gallons ☐ Other (specify): \_\_\_\_\_c. Shipping Frequency: \_\_\_\_\_ Units per ☐ Month ☐ Quarter ☐ Year ☒ One Time ☐ Otherd. Is this a U.S. Department of Transportation (USDOT) Hazardous Material? (If yes, answer e.) ☐ Yes ☒ No

e. USDOT Shipping Description (if applicable): \_\_\_\_\_

### 3. SAFETY REQUIREMENTS (Handling, PPE, etc.): Appropriate PPE for nuisance dust may be required (dust mask / goggles).



## Generator's Non-hazardous Waste Profile Sheet

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### D. Regulatory Status (Please check appropriate responses)

1. Waste Identification:
  - a. Does the waste meet the definition of a USEPA listed or characteristic hazardous waste as defined by 40 CFR Part 261? ☐ Yes ☒ No  
1. If yes, please complete a hazardous waste profile.
  - b. Does the waste meet the definition of a state hazardous waste other than identified in D.1.a? ☐ Yes ☒ No  
1. If yes, please complete a hazardous waste profile.
2. Is this waste included in one or more of categories below (Check all that apply)? If yes, attach supporting documentation. ☐ Yes ☒ No
  - ☐ Delisted Hazardous Waste ☐ Excluded Wastes Under 40CFR 261.4
  - ☐ Treated Hazardous Waste Debris ☐ Treated Characteristic Hazardous Waste
3. Is the waste from a Federal (40 CFR 300, Appendix B) or state mandated clean-up? If yes, see instructions. ☐ Yes ☒ No
4. Does the waste represented by this waste profile sheet contain radioactive material? ☐ Yes ☒ No
  - a. If yes, is disposal regulated by the Nuclear Regulatory Commission? ☐ Yes ☐ No
  - b. If yes, is disposal regulated by a State Agency for radioactive waste/NORM? ☐ Yes ☐ No
5. Does the waste represented by this waste profile sheet contain Polychlorinated Biphenyls (PCBs)? ☐ Yes ☒ No  
(If yes, list in Chemical Composition - C.1.1.)
  - a. If yes, are the PCBs regulated by 40 CFR 761? ☐ Yes ☐ No
  - b. If yes, is it remediation waste from a project being performed under the Self-Implementing option provided in 40 CFR 761.61(a)? ☐ Yes ☐ No
  - c. If yes, were the PCBs imported into the US? ☐ Yes ☐ No
6. Does the waste contain untreated, regulated medical or infectious waste? ☐ Yes ☒ No
7. Does the waste contain asbestos? ☐ Yes ☒ No
  - a. If Yes, ☐ Friable ☐ Non Friable
8. Is this profile for remediation waste from a facility that is a major source of Hazardous Air Pollutants (Site Remediation NESHAP, 40 CFR 63 subpart GGGGG)? ☐ Yes ☒ No
  - a. If yes, does the waste contain <500 ppmw VOHAPs at the point of determination? ☐ Yes ☐ No

### E. Generator Certification (Please read and certify by signature below)

By signing this Generator's Waste Profile Sheet, I hereby certify that all:

1. Information submitted in this profile and all attached documents contain true and accurate descriptions of the waste material;
2. Relevant information within the possession of the Generator regarding known or suspected hazards pertaining to this waste has been disclosed to WM/the Contractor;
3. Analytical data attached pertaining to the profiled waste was derived from testing a representative sample in accordance with 40 CFR 261.20(c) or equivalent rules; and
4. Changes that occur in the character of the waste (i.e. changes in the process or new analytical) will be identified by the Generator and disclosed to WM (and the Contractor if applicable) prior to providing the waste to WM (and the contractor if applicable).
5. Check all that apply:
  - ☐ a. Attached analytical pertains to the waste. Identify laboratory & sample ID #'s and parameters tested: \_\_\_\_\_ # Pages: \_\_\_\_\_
  - ☐ b. Only the analysis identified on the attachment pertain to the waste (identify by laboratory & sample ID #'s and parameters tested). Attachment #: \_\_\_\_\_
  - ☒ c. Additional information necessary to characterize the profiled waste has been attached (other than analytical, such as MSDS). Indicate the number of attached pages: MSDS, 4 pages
  - ☒ d. I am an agent signing on behalf of the Generator, and the delegation of authority to me from the Generator for this signature is available upon request.

Certification: Andrew S. Jorjyca Title: Operations Manager  
Company Name: Schlumberger Well Services Name (Print): Schlumberger Well Services  
Date: 7/22/10

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# Material Safety Data Sheet – Perlite

## I. Product Identification

**Trade Name (as labeled)** Supreme Perlite (Expanded)

**Manufacturers Name** Supreme Perlite Company

**Website & Email:** [www.perlite.com](http://www.perlite.com)  
[info@perlite.com](mailto:info@perlite.com)

**Address:** 4600 N. Suttle Rd.  
Portland, OR 97217

**Phone Number:** 503-286-4333

**Date Revised:** 07/03/2007 Rev. 2

## II. Product Ingredients

<b>Ingredient Name</b>	<b>CAS Number</b>	<b>%</b>	<b>PEL</b>	<b>TLV(total)</b>
Perlite	93763-70-3	100	15 mg/M3	10mg/M3

A mineral composed of sodium potassium aluminum silicate of variable composition.

Perlite is considered a nuisance dust (also called "Particulates Not Otherwise Classified (PNOC) by ACGIH).

HMIS Code: Health – 0, Fire – 0, Reactivity – 0, Personal Protection – X.

Alpha-Cristobalite & Tridymite: Less than 0.1%

Alpha Quartz: <0.1% below detectable limits

## III. Physical Properties

<b>Vapor Density (air=1)</b>	N/A	<b>Melting point or range. °F</b>	2000+
<b>Specific Gravity</b>	2.35	<b>Boiling point or range. °F</b>	N/A
<b>Solubility in Water</b>	<1%	<b>Evaporation rate (butyl acetate = 1)</b>	N/A
<b>Vapor Pressure (mmHg @ 20°C)</b>	N/A		

**Appearance and odor:** White to off white granules, no odor.

**HOW TO DETECT THIS SUBSTANCE** (warning properties of substance as a gas, vapor, dust or mist)



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Visual only (dust). No gas, vapors, or mist emitted.

-----IV. Fire and Explosion-----

**Flash Point, °F (give method)** Perlite is a fully oxidized, non-flammable mineral. It is noncombustible and non-flammable.

**Auto ignition temp., °F** N/A

**Flammable limits in air, Vol. %** N/A lower (LEL) N/A upper (UEL) N/A

**Fire extinguishing materials:** N/A

\_\_\_\_\_ water spray      \_\_\_\_\_ carbon dioxide      \_\_\_\_\_ other

\_\_\_\_\_ foam      \_\_\_\_\_ dry chemical

**Special fire fighting procedures:** N/A

**Usual fire & explosion hazards:** N/A

-----V. Health Hazard Information-----

**SYMPTOMS OF EXPOSURE for each potential route of exposure**

**Inhaled:** Coughing

**Contact with skin or eyes:** Possible eye irritation from dust particles; wear eye protection.

**Absorbed through skin:** N/A

**Swallowed:** N/A

**HEALTH EFFECTS OR RISKS FROM EXPOSURE.**

**Acute:** None

**Chronic:** Excessive inhalation over long period may cause harmful irritation; use mask suitable for nuisance dust.

**Target Organ:** None

**FIRST AID: EMERGENCY PROCEDURES**

**Eye Contact:** Attempt to wash out with clear water; if unable, have particle removed by doctor.

**Skin Contact:** None

**Inhaled:** Remove affected individual from dusty area to area with clean air.

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Swallowed: None

**SUSPECTED CANCER AGENT?**

☒ **No:** This product's ingredients are not found in below lists.

**YES:** ☐ Federal OSHA ☐ NTP ☐ IARC

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE**

Any respiratory illnesses, which a nuisance dust may aggravate.

-----**VI Reactivity Data**-----

**Stability:** ☒ Stable ☐ Unstable

**Incompatibility:** Hydrofluoric Acid

**Hazardous Polymerization:** ☐ May occur ☒ Will not occur

**Conditions to avoid:** None in designed use.

**Hazardous Decomposition Products:** May react with hydrofluoric acid form toxic gas.

-----**VII. Spill, Leak & Disposal Procedures**-----

**Spill response procedures (include employee protection measures):**

Vacuum clean or sweep material; Use respirators suitable for nuisance dust & eye protection.

**Preparing wastes for disposal (container types, neutralization, etc.):**

Dispose in bulk or containers according to local dump requirements. No special treatment required.

**NOTE: Dispose of all wastes in accordance with federal, state and local regulations.**

-----**VIII. SPECIAL HANDLING INFORMATION**-----

**Ventilation and engineering controls:**

Maintain dust level below TLV.

**Respiratory protection (type):**

Masks suitable for nuisance dust.

**Eye protection (type):**

Protective goggles.

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**Gloves (specify material):**

Not required.

**Work practices, hygienic practices:**

Use good housekeeping to avoid transient dust.

**Other handling and storage requirements:**

Use good housekeeping to avoid transient dust.

**Protective measures during maintenance of contaminated equipment:**

No special equipment, other than respirators and goggles.

---

As of the date of this document, the foregoing information is believed to be accurate and is provided in good faith to comply with applicable federal and state laws. However, no warranty or representation with respect to such information is intended or given, and it is the responsibility of the user to comply with all applicable federal, state and local laws and regulations

## **Lowe, Leonard, EMNRD**

---

**From:** Erin Scott [scott85@slb.com]  
**Sent:** Thursday, July 15, 2010 8:38 AM  
**To:** Lowe, Leonard, EMNRD  
**Subject:** Schlumberger Farmington

Dear Mr. Lowe:

I am Erin Scott, Schlumberger's Well Services West Division Operations Manager located in Denver, Colorado. Mr. Fordyce, in Farmington, reports to me.

When notified of the incident, I immediately travelled to Farmington, with Tom Pulick, our Rockies Health Safety and Environment Manager. I want to assure you, that prior to my arrival in Farmington, our personnel and our environmental clean-up contractor, EnviroTech, were cooperating fully with local public safety authorities who had taken charge of the site. Once the fire department released the property back to Schlumberger on Monday afternoon, we spent the remainder of the afternoon investigating the incident and ensuring proper clean up. Based on our preliminary findings, a leak occurred from a valve attached to the piping on one of our storage tanks, and released 28% hydrochloric acid in water into our lined (impervious) secondary containment. None of the acid was released outside of the containment.

Please note that we are closely monitoring clean-up and remediation activity. We have been in direct communication with the Mayor's Office in Farmington. Schlumberger is fully cognizant of its environmental responsibilities and intends to comply with those responsibilities fully and completely. You can expect a full and timely written report as we obtain a complete assessment of what occurred at our site. In the interim, please feel free to call me at any time should you have additional comments or questions. My office number in Denver is (303) 595-1811 and my cell phone number is (303) 204-8402.

Thank you,

Erin

*Erin Scott*

Schlumberger  
Well Services West Division Operations Manager  
Tel: (303) 595-1811  
Cell: (303) 204-8402  
[Scott85@slb.com](mailto:Scott85@slb.com)

## **Lowe, Leonard, EMNRD**

---

**From:** Lowe, Leonard, EMNRD  
**Sent:** Tuesday, July 13, 2010 4:49 PM  
**To:** 'Andrew S Fordyce'  
**Cc:** VonGonten, Glenn, EMNRD; Powell, Brandon, EMNRD  
**Subject:** RE: Update

**Importance:** High

Mr. Andrew Fordyce,

I advise that Schlumberger update themselves on their current discharge plan permit GW-100 for Spill Reporting and Unauthorized Discharges. Schlumberger committed to its renewed permit on October 2008. **Schlumberger is currently in violation of their discharge plan permit.**

Highlighting your current situation: **Condition 15 Spill Reporting** and **Condition 18 Unauthorized Discharges**. OCD Rule 116 is now Part 29 (19.15.29 NMAC).

OCD will expect a full written report upon conclusions of total findings. Submit the report to the Santa Fe OCD office and to the local District III OCD office, attention to **Mr. Brandon Powell**, 1000 Rio Brazo Road, Aztec N.M., 87410.

Thank you for your attention.

llowe

### **Leonard Lowe**

Environmental Engineer  
Oil Conservation Division/EMNRD  
1220 S. St. Francis Drive  
Santa Fe, N.M. 87505  
Office: 505-476-3492  
Fax: 505-476-3462  
E-mail: [leonard.lowe@state.nm.us](mailto:leonard.lowe@state.nm.us)  
Website: <http://www.emnrd.state.nm.us/ocd/>

---

**From:** Andrew S Fordyce [<mailto:fordyce1@slb.com>]  
**Sent:** Tuesday, July 13, 2010 3:47 PM  
**To:** Lowe, Leonard, EMNRD  
**Subject:** FW: Update

Leonard,

The Farmington Fire Department (FFD) was called on Sunday afternoon by a neighbor and advised that an unusual odor was coming from this facility. The FFD notified Schlumberger. FFD assumed control of the facility, investigated the report, and responding to the incident. Neighboring roadways were temporarily closed as a precaution. They discovered that a diluted acid solution had leaked from tank plumbing into a secondary containment area. The volume of the solution in the secondary containment did not exceed the reportable quantity for the material. The situation was mitigated by pumping the liquid into another tank and the residual was then neutralized. The FFD relinquished control of the facility early Monday afternoon. A third party company is working today to finish cleaning the secondary containment area.

The facility's NMOCD discharge permit number is GW-100.

Regards,

Andy Fordyce  
Schlumberger Well Services  
Operations Manager; Farmington, NM  
[fordyce1@slb.com](mailto:fordyce1@slb.com)  
1-505-325-5096

---

**From:** Jamie McFarland [mailto:[JMcfarland@farmington.oilfield.slb.com](mailto:JMcfarland@farmington.oilfield.slb.com)]  
**Sent:** Tuesday, July 13, 2010 11:31 AM  
**To:** Andrew S Fordyce  
**Subject:** FW: Update

---

**From:** Lowe, Leonard, EMNRD [mailto:[Leonard.Lowe@state.nm.us](mailto:Leonard.Lowe@state.nm.us)]  
**Sent:** Tuesday, July 13, 2010 10:21 AM  
**To:** JMcfarland@farmington.oilfield.slb.com  
**Subject:** Update

Ms. Jamie McFarland,

Spill: OCD was made aware of a certain spill noted at your Farmington facility.

Please update the OCD on the status of your facilities situation.

Thank you ,

llowe

**Leonard Lowe**  
Environmental Engineer  
Oil Conservation Division/EMNRD  
1220 S. St. Francis Drive  
Santa Fe, N.M. 87505  
Office: 505-476-3492  
Fax: 505-476-3462  
E-mail: [leonard.lowe@state.nm.us](mailto:leonard.lowe@state.nm.us)  
Website: <http://www.emnrd.state.nm.us/o cd/>

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# THE DAILY TIMES

FARMINGTON NEW MEXICO

## Farmington acid spill leads to neighborhood evacuation

— By Ryan Boetel — The Daily Times

Posted: 07/13/2010 12:26:22 AM MDT

FARMINGTON — An acid leak Sunday at Schlumberger Well Services prompted 911 calls describing burning throats and eyes, and stopped traffic on Bloomfield Highway from Dustin Street to Browning Parkway until Monday morning.

No one was seriously injured in the spill, which was reported to the Farmington Fire Department at about 5 p.m. Sunday by employees from a nearby business, Battalion Chief Troy Brown said.

"It appears some acid leaked out of the tank," Brown said. "We don't know why."

Firefighters originally tried to neutralize the acid with soda ash, which was ineffective.

"(The spill) was bigger than I expected," Brown said.

The last major acid leak in Farmington was at a Halliburton Oil Services in June 2006.

As firefighters in hazardous material suits pumped the 1,200 gallons of acid into another tank early Monday morning, conditions took a turn for the worse and nearly 50 people who live in the area were evacuated, Brown said.

High temperatures and strong winds kept the acid vapor at bay Sunday night and residents originally were told to stay inside and not to use their air

conditioners.

After midnight, the temperature and wind speed dropped, causing the vapor to become more potent in the area.

The fire department calculated wind speed and ground trajectory and determined the neighborhood south of Browning Parkway on Hines Road needed to be evacuated.

"We felt it was a dangerous situation and we needed to get those

people out of there," Brown said.

Twenty-three people were evacuated to Bluffview Elementary School just before 3 a.m. Monday, said Donna Wade, a disaster response coordinator for the Red Cross.

Police evacuated about 50 people in the middle of the night who were threatened by a plume of acid vapor, Farmington Police Sgt. Pat Cordell said.

Kelly Miller, who lives in the area, said it was a frustrating night.

He was on his way home at 6 p.m. Sunday and was stopped by roadblocks near the Rimrock Hotel on Bloomfield Highway.

His fiancée was in the home, and he was not allowed to go there. He spent the night trying to sleep in his car until he was allowed to return home at 8 a.m.

"It was frustrating because nothing that happened made sense," he said. "If they're going to detain us I understand, but if they're not letting me come

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