Baker

**Baker Environmental, Inc.**
Airport Office Park, Building 3
420 Rouser Road
Coraopolis, Pennsylvania 15108

(412) 269-6000
FAX (412) 269-2002

September 12, 1995

Commander
Atlantic Division
Naval Facilities Engineering Command
1510 Gilbert Street (Building N-26)
Norfolk, Virginia 23511-6299

Attn: Mr. Lance Laughmiller
Navy Technical Representative
Code 18235

Re: Contract N62470-89-D-4814
Navy CLEAN, District III
Contract Task Order (CTO) 0312
IDW Removal
Operable Unit No. 9 (Site 73)
MCB, Camp Lejeune, North Carolina

Dear Mr. Laughmiller:

This letter report summarizes the investigative-derived waste (IDW) disposal activities conducted at Operable Unit No. 9 (Site 73), Marine Corps Base, Camp Lejeune, North Carolina. The IDW was generated during the remedial investigation activities conducted from April 3 through May 25, 1995, and was contained in two (6,500-gallon) tankers, one (1,000 gallon) polyethylene tanker, and one roll-off box (20 cubic yards).

The water in one of the tankers, was discharged on-site on June 20, 1995, since no contaminants were detected which would result in increased human health or ecological risks.

In a letter dated August 2, 1995, Baker Environmental provided details concerning sample collection and analytical findings of the remaining IDW, and provided conclusions and recommendations with respect to handling and disposal. The recommendations were subsequently approved by the Navy/Marine Corps. One addition to the recommendations was that the water contained in the remaining tankers was unable to be treated by the Hadnot Point Shallow Aquifer Remedial Action System. However, this water was able to be taken off-base as a nonhazardous waste water and transported to HOH Corporation, a Treatment Storage Disposal Facility (TSDF) located in Winston-Salem North Carolina. The remainder of this letter report provides a summary of the disposal activities conducted under this CTO.

DISPOSAL

Based on LANTDIV/MCB Camp Lejeune approval, Baker arranged for the disposal of the following:

- 6,678 gallons of nonhazardous well development and purge water
- 20 cubic yards of nonhazardous drilling and mud cuttings

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Based on the nonhazardous determination of the IDW, the roll-off box contents were emptied on site and then graded. The roll-off box was then removed from Site 73. The development and purge water was removed via a vacuum truck and transported to HOH Corporation for disposal. Two trips were necessary to deplete all of the waste water. Both the 6,500-gallon and the 1,000-gallon polyethylene tankers were removed from Site 73. The Nonhazardous Profile Sheet, along with the Nonhazardous Waste Manifests, are provided in Attachment A.

Baker appreciates the opportunity to serve LANTDIV on this important project. If you have any questions, please do not hesitate to call me at (412) 269-4695.

Sincerely,

BAKER ENVIRONMENTAL, INC.

Malcolm W. Petroccia
Project Manager

MWP/PAM/lq

Attachments

cc: Mr. Neal Paul, IRP Director, MCB Camp Lejeune (w/attachments)
Mr. John Riggs Environmental Control Specialist, MCB Camp Lejeune (w/attachments)
Ms. Lee Ann Rapp, Code 1832 (w/o attachments)
Ms. Beth Collier, Code 02115 (w/o attachments)

# Attachment A

# MATERIAL PROFILE

HOH CORP Environmental Management

1701 Vargrave St., Winston-Salem, NC 27107 • 910-727-4644 • Fax 910-727-8840

**Name of Waste Stream** Groundwater (Ref 73 TK615 / 73 POLY 01)

Approved ☐ Yes ☐ No Date _____ Initials _____

Generator Name Marine Corps Base - Camp Lejeune
Facility Address Sneads Ferry Base
Camp Lejeune
Site 73
City Camp Lejeune
State NC Zip 28542
EPA Identification Number NC6170022580
County: Onslow

Technical Contact John Riggs / Kenn Webb c/o Shamrock Env. Corp.
Title EMD - MCB Camp Lejeune
Phone (910) 451-5068 Ext. 9103751989
Fax (910) 451-5948 Ext. 9103751801
Billing Address Shamrock Environmental Corp.
PO Box 14987
City Greensboro
State NC Zip 27415

**Physical Characteristics at 70°F**

Physical State: Liquid ✓ Semisolid ____ Solid ____
Layers: None ✓ Two ____ Multilayers ____
Free Liquids (%) 100 Precipitated Solids (%) <1
Viscosity: Low ✓ Medium ____ High ____
Is Material Pumpable? Yes ✓ No ____ Polymerizable? Yes ____ No ✓
Specific Weight (lbs/gal) 8.34 or Specific Gravity (g/cc) ____
Appearance clear (slight sediment) Odor NA
Flash Point (cc): Exact ____ ≤60°F ____ 61°F - 100°F ____ 101°F - 140°F ____
141°F - 200°F ____ >200°F X
BTU/lb. NONE Ash (%) <1% Water (%) >99%
pH (avg) 7 Range ____ to ____
Reactivity (Reactive with): NA

Is Sample Available Upon Request?
Yes ✓
No ____

Process Generating Waste
Rate of Generation one time Container Type/Size tanker 5000 gal EPA Waste No. NONE State Waste No. NONE

1. Does this waste contain spent solvents? (F001 through F005) Y ____ N ✓
2. Is this waste listed for Dioxin as defined in 40 CFR 262.31? (F020 and F026-28) Y ____ N ✓
3. Is this waste INFECTIOUS? Y ____ N ✓
   Is it RADIOACTIVE? Y ____ N ✓
   Does it contain PCB's > 50 ppm? Y ____ N ✓
4. If you answered yes to questions 1, 2 or 3, DO NOT CONTINUE.
   Please contact your HOH Technical Sales Representative for assistance.

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All below Regulatory Limits

| Metals (ppm) | | Metals (ppm) | | Metals (ppm) | |
|---|---|---|---|---|---|
| Total | TCLP | Total | TCLP | Total | Total |
| As | | CR (Total) | | Be | Si |
| Ag | | CR (Hex) | | Ti | Na |
| Cd | | Hg | | Sb | Ni |
| Ba | | Se | | S | Cu |
| Pb | | Other | | P | Zn |

## Chemical Constituents (Must Total 100%)

| | | | |
|---|---|---|---|
| Water from groundwater | >99% | | |
| Sediment | <1% | | |
| (from monitoring well development) | | | |

*(Please Attach All MSDS's, Sample Analysis and Additional Info.)*

Other: (Specify in PPM)

Free Cyanide 0 PCB's 0

Free Sulfide 0

Phenolics 0

Total Organic Halogens (%)

Fluorine 0 Bromine 0

Chlorine 0

Frequency of Generation

7000-8000 Gallons per

Tons per

Drums per

Other

Week

Month

Quarter

Year

One Time

I certify that all information on this form is complete and factual (including attached information) and is an accurate representation of the known and suspected hazards of the waste to be disposed.

Generator's Signature

9/08/96
Date

# NON-HAZARDOUS WASTE MANIFEST

HOH CORP Environmental Management

1701 Vargrave St., Winston-Salem, NC 27107 • 910-727-4644 • Fax 910-727-8840

Bill to: Shamrock Env. Corp (Return manifest to K. Webb)
Job # 95-R0012

Manifest # 031501 Date: 8/15/95

Generator: Marine Corps Base, Camp Lejeune
IR Division - EMD Building 67
MCB Camp Lejeune, NC 28542

Phone No: (910) 451-5068
EPA ID No: NC6170022580
Contact: John Riggs - MCB/EMD

**Process which generated waste:**

I certify that the materials described below are properly described, classified, packaged, marked and labeled, and are in proper condition to be transported in commerce under the applicable regulations of the State, the Environmental Protection Agency and the Department of Transportation. I certify that the waste described below is non-hazardous. I certify that the specific waste was delivered to the carrier named below for legal treatment, storage, or disposal at the site indicated.

Date 8/15/95 Signature [signature]

| Description of Waste | Circle Form | Quantity | Circle Units | Container No. | Container Type |
|---|---|---|---|---|---|
| Groundwater from | Solid | | Cu. Yards/Drums/Tons | | |
| development of | Liquid | 5230 | Gallons/Drums | 1 | TT |
| monitoring wells | Gas | | Pounds | | |
| (Lab Job 73TK615 73POLY01) | Sludge | | Cu. Yards/Drums/Tons | | |

Transporter: Shamrock Environmental Corp.
PO Box 14987 Greensboro, NC 27415

Unit Numbers: RT3/RT2
Phone No: (910) 375-1989
EPA ID No: NCD009942144
Vehicle License Tag Number(s) LZ 5016 NC
Container: tanker RT2

I certify that the specified waste was transferred in a registered (licensed) vehicle to the disposal treatment, storage, or disposal facility named below and was accepted.

[signature] 8/15/95 [signature] 8/15/95
Pick-up Driver's Signature Date Delivering Driver's Signature Date

Facility: HOH Corp
1701 Vargrave St.
Winston-Salem, NC 27107

Phone No: 910-727-4644
Permit No: 34-11TP
Contact: David Bryant

Handling Method:

I certify that the Transporter above delivered the specified material to this facility and was accepted and properly handled in the above manner. We are authorized and qualified by the State of NC to handle this material.

Date 8/15/95 Signature [signature]

ORIGINAL - Destination Retain WHITE | COPY 2 - Return to Generator YELLOW | COPY 3 - Transporter Retain PINK | COPY 4 - Generator Retain GOLDENROD

# NON-HAZARDOUS WASTE MANIFEST

HOH CORP Environmental Management

1701 Vargrave St., Winston-Salem, NC 27107 • 910-727-4644 • Fax 910-727-8840

Bill to: Shamrock Environmental Corp
Job # 95-R0012

Manifest # 081601 Date: 8/16/95

Generator: Marine Corps Base, Camp Lejeune Phone No: (910) 451-5068
IR Division - EMD Building 67 EPA ID No: NC 6170022590
MCB Camp Lejeune, NC 28542 Contact: John Riggs - MCB/EMD

**Process which generated waste:**

I certify that the materials described below are properly described, classified, packaged, marked and labeled, and are in proper condition to be transported in commerce under the applicable regulations of the State, the Environmental Protection Agency and the Department of Transportation. I certify that the waste described below is non-hazardous. I certify that the specific waste was delivered to the carrier named below for legal treatment, storage, or disposal at the site indicated.

Date 8/16/95 Signature [signature]

| Description of Waste | Circle Form | Quantity | Circle Units | Container No. | Container Type |
|---|---|---|---|---|---|
| Groundwater from | Solid | | Cu. Yards/Drums/Tons | | |
| development of | Liquid | 1,448 | Gallons/Drums | 1 | TT |
| monitoring wells | Gas | | Pounds | | |
| (Job # 73TK615) | Sludge | | Cu. Yards/Drums/Tons | | |

Transporter: Shamrock Environmental Corp. Phone No: (910) 375 1949
PO Box 14987 Greensboro, NC 27415 EPA ID No: NC 0000 942144
Vehicle License Tag Number(s) LX-1561 Container: VT-2 VAC TRUCK

Unit Numbers:

I certify that the specified waste was transferred in a registered (licensed) vehicle to the disposal treatment, storage, or disposal facility named below and was accepted.

[signature] 8-16-95
*Pick-up Driver's Signature* *Date* *Delivering Driver's Signature* *Date*

Facility: HOH Corp Phone No: 910-727-4644
1701 Vargrave St. Permit No: 34-11TP
Winston-Salem, NC 27107 Contact: David Bryant

Handling Method:

I certify that the Transporter above delivered the specified material to this facility and was accepted and properly handled in the above manner. We are authorized and qualified by the State of NC to handle this material.

Date 8/18/95 Signature [signature]

ORIGINAL - Destination Retain WHITE | COPY 2 - Return to Generator YELLOW | COPY 3 - Transporter Retain PINK | COPY 4 - Generator Retain GOLDENROD