

## **APPENDIX D**

### **Field Forms**

**Form 1: Groundwater Purge Log**

**Form 2: Water Quality Meter Field Calibration Log**

**Form 3: Analysis Request and Chain of Custody Record**

**Form 4: Groundwater Level Data Form**

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## Form 1. Groundwater Purge Log



### GROUNDWATER PURGE LOG Kirtland Air Force Base, Bulk Fuels Facility Spill

**Project Name:** \_\_\_\_\_ **Well ID No.:** \_\_\_\_\_  
**Site / SWMU No.:** \_\_\_\_\_ **Date:** \_\_\_\_\_  
**Weather:** \_\_\_\_\_ **Time:** \_\_\_\_\_  
**Field Crew:** \_\_\_\_\_ **Crew Signature:** \_\_\_\_\_  
**Review Signature:** \_\_\_\_\_ **Date Review:** \_\_\_\_\_

#### WELL OBSERVATIONS

**Protective Casing / Vault:** - Intact - Damaged -      **Locked:** Yes - No      **Well ID Mark:** Yes - No

**Notes:**

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#### CALCULATIONS

|  |     |                                |                  |
|--|-----|--------------------------------|------------------|
| (A) Depth to Well Bottom                                     | ft  | (J) Filter Pack Volume (H x I) | gal              |
| (B) Pre-Purge Depth to Water                                 | ft  | (K) Min Purge Volume (E + J)   | gal              |
| (C) Water Column Height (A-B)                                | ft  | <b>EQUIPMENT / MODEL</b>       | <b>ID NUMBER</b> |
| (D) Casing Factor: 4"=0.65 5"=1.02                           |     | Parameter Meter                |                  |
| (E) One Well Casing Volume (C x D):                          | gal | Turbidity Meter                |                  |
| (F) Depth to Top of Screen                                   | ft  | Pump                           |                  |
| (G) Depth to Bottom of Screen                                | ft  | Field Alkalinity               |                  |
| (H) Saturated Filter Pack Length (G - F, or B)               | ft  |                                |                  |
| (I) Casing/Borehole Factor<br>4/10 = 1.2, 5/10 = 1.07, _____ |     |                                |                  |

#### PURGING INFORMATION

**Description first water purged:**

| Date and / or Time | Gallons Removed | Depth to Ground-water | Temp (°C) | pH | Spec Cond (mS/cm <sup>2</sup> ) | DO (mg/L) | ORP (mV) | Turbidity (NTU) | Comment |
|--------------------|-----------------|-----------------------|-----------|----|---------------------------------|-----------|----------|-----------------|---------|
|                    |                 |                       |           |    |                                 |           |          |                 |         |
|                    |                 |                       |           |    |                                 |           |          |                 |         |
|                    |                 |                       |           |    |                                 |           |          |                 |         |
|                    |                 |                       |           |    |                                 |           |          |                 |         |
|                    |                 |                       |           |    |                                 |           |          |                 |         |
|                    |                 |                       |           |    |                                 |           |          |                 |         |
|                    |                 |                       |           |    |                                 |           |          |                 |         |
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**Form 3. Analysis Request and Chain of Custody Record**



**ANALYSIS REQUEST AND  
CHAIN OF CUSTODY RECORD**

Reference Document No:

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Project Number: 140705  
 Project Name: Kirtland AFB  
 Sample Coordinator: Mark Lyon  
 Turnaround Time:

Samples Shipment Date: 01 JAN 2011  
 Lab Destination: Empirical Laboratories, Inc.  
 Lab Contact: Kim Kostzer  
 Project Contact: Pamela Moss  
 Carrier/Waybill No.: Fed Ex

Bill To: Shaw Environmental, Inc. - Accounts P  
 PO Box 96519  
 Baton Rouge LA 70884

Report To: Pamela Moss  
 7604 Technology Way, Suite 300  
 Denver CO 80237

Special Instructions:

Possible Hazard Identification: Radiological   
 Non-hazard  Flammable  Skin Irritant  Poison B  Unknown   
 Sample Disposal: Return to Client  Disposal by Lab  Archive (mos.)

|   |                |   |                |
|---|----------------|---|----------------|
| 1. Relinquished By<br>(Signature/Affiliation) | Date:<br>Time: | 1. Received By<br>(Signature/Affiliation) | Date:<br>Time: |
| 2. Relinquished By<br>(Signature/Affiliation) | Date:<br>Time: | 2. Received By<br>(Signature/Affiliation) | Date:<br>Time: |
| 3. Relinquished By<br>(Signature/Affiliation) | Date:<br>Time: | 3. Received By<br>(Signature/Affiliation) | Date:<br>Time: |

Comments:

| Sample No | Sample Name | Sample Date | Sample Time | Container | Ctr Qty | Preservative | Requested Testing Program | Sample Vol | Units | Fil | CID | Condition On Receipt |
|-----------|-------------|-------------|-------------|-----------|---------|--------------|---------------------------|------------|-------|-----|-----|----------------------|
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