

## **APPENDIX D**

### **Field Forms**

**Form 1: Typical Bore Log Form Used to Describe Split Spoon Samples**

**Form 2: The Unified Soil Classification System (USCS)**

**Form 3: Soil Classification Log**

**Form 4: Overburden Monitoring Well Construction Diagram**

**Form 5: Field Activity Daily Log**

**Form 6: Analytical Request/Chain-of-Custody**

**Form 7: Test Equipment and Calibration Log**

**THIS PAGE INTENTIONALLY LEFT BLANK**

### Form 1. Typical Bore Log Form used to Describe Split-Spoon Samples

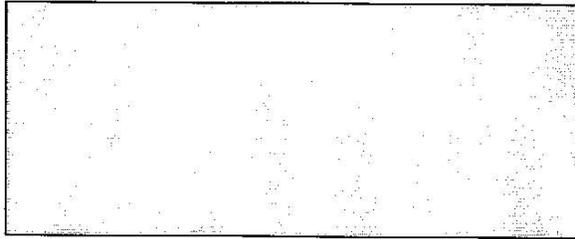
|   |  |  |                 |                                    |                            |
|---|--|--|-----------------|------------------------------------|----------------------------|
| <b>HTRW DRILLING LOG</b>                            |  | DISTRICT   |                 | HOLE NUMBER                        |                            |
| 1. COMPANY NAME                                     |  | 2. DRILL SUBCONTRACTOR                                       |                 | SHEET <u>1</u> OF <u>  </u> SHEETS |                            |
| 3. DATE   |  | 4. LOCATION  |                 |                                    |                            |
| 5. NAME OF DRILLER                                  |  | 6. MANUFACTURER'S DESCRIPTION OF DRILL                       |                 |                                    |                            |
| 7. SIZE AND TYPE OF DRILLING AND SAMPLING EQUIPMENT |  | 8. HOLE LOCATION   |                 |                                    |                            |
|   |  | 9. SURFACE ELEVATION   |                 |                                    |                            |
|   |  | 10. DATE STARTED   |                 | 11. DATE COMPLETED                 |                            |
| 12. OVERBURDEN THICKNESS                            |  | 13. DEPTH OF GROUNDWATER ENCOUNTERED                         |                 |                                    |                            |
| 13. DEPTH DRILLED INTO ROCK                         |  | 14. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED |                 |                                    |                            |
| 14. TOTAL DEPTH OF HOLE                             |  | 15. OTHER WATER LEVEL MEASUREMENTS (SPECIFY)                 |                 |                                    |                            |
| 16. GEOTECHNICAL SAMPLES                            |  | OBTAINED   | UNOBTAINED      | 16. TOTAL NUMBER OF CORE BOARDS    |                            |
| 17. SAMPLES FOR CHEMICAL ANALYSIS                   |  | VOC  | METALS          | SVOC                               | Asst./Pb                   |
|   |  | Manganese  | Other (Specify) | Cyanide/Trich                      | 17. TOTAL CORE RECOVERY %  |
|   |  | SAMPLING   | MONITORING WELL | OTHER (SPECIFY)                    | 18. SIGNATURE OF INSPECTOR |
|   |  |  |                 |                                    |                            |
| 19. DESCRIPTION OF HOLE                             |  |  |                 | SCALE 1 inch = 1 foot              |                            |
| LOCATION SKETCH/COMMENTS                            |  |  |                 |                                    |                            |
| PROJECT   |  |  |                 | HOLE NO.                           |                            |

**Form 1. Typical Bore Log Form used to Describe Split-Spoon Samples (Concluded)**

| HTRW DRILLING LOG |   | SITE                            | LOCATION                            | HOLE NUMBER                    |                |
|-------------------|---|---------------------------------|-------------------------------------|--------------------------------|----------------|
| PROJECT #         |   | DISTRICT                        | INSPECTOR<br><b>PATRICIA WESTON</b> |                                |                |
|                   |   |                                 | SHEET<br><b>2</b>                   | SHEETS<br>OF                   |                |
| ELEV.<br>(a)      | DEPTH<br>(ft.)<br>(b)   | DESCRIPTION OF MATERIALS<br>(c) | USCS<br>CLASS.<br>(d)               | FIELD SCREEN<br>RESULTS<br>(e) | REMARKS<br>(f) |
|                   | 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18<br>19<br>20 |                                 |                                     |                                |                |

## Form 2. The Unified Soil Classification System (USCS)

Revised 07-12-02



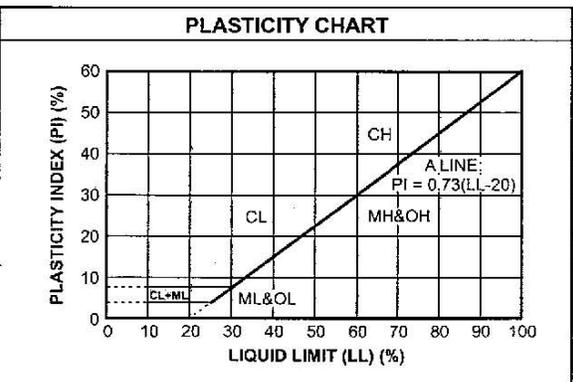
# UNIFIED SOIL CLASSIFICATION SYSTEM

| UNIFIED SOIL CLASSIFICATION AND SYMBOL CHART  |  |  |
|---|--|--|
| <b>COARSE-GRAINED SOILS</b><br>(more than 50% of material is larger than No. 200 sieve size.) |  |  |
| <b>GRAVELS</b><br>More than 50% of coarse fraction larger than No. 4 sieve size               | Clean Gravels (Less than 5% fines)       |  |
|   | GW                                       | Well-graded gravels, gravel-sand mixtures, little or no fines  |
|   | GP                                       | Poorly-graded gravels, gravel-sand mixtures, little or no fines  |
|   | Gravels with fines (More than 12% fines) |  |
|   | GM                                       | Silty gravels, gravel-sand-silt mixtures   |
|   | GC                                       | Clayey gravels, gravel-sand-clay mixtures  |
| <b>SANDS</b><br>50% or more of coarse fraction smaller than No. 4 sieve size                  | Clean Sands (Less than 5% fines)         |  |
|   | SW                                       | Well-graded sands, gravelly sands, little or no fines  |
|   | SP                                       | Poorly graded sands, gravelly sands, little or no fines  |
|   | Sands with fines (More than 12% fines)   |  |
|   | SM                                       | Silty sands, sand-silt mixtures  |
|   | SC                                       | Clayey sands, sand-clay mixtures   |
| <b>FINE-GRAINED SOILS</b><br>(50% or more of material is smaller than No. 200 sieve size.)    |  |  |
| <b>SILTS AND CLAYS</b><br>Liquid limit less than 50%  | ML                                       | Inorganic silts and very fine sands, rock flour, silty of clayey fine sands or clayey silts with slight plasticity |
|   | CL                                       | Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays                  |
|   | OL                                       | Organic silts and organic silty clays of low plasticity  |
| <b>SILTS AND CLAYS</b><br>Liquid limit 50% or greater   | MH                                       | Inorganic silts, micaceous or diatomaceous fine sandy or silty soils, elastic silts                                |
|   | CH                                       | Inorganic clays of high plasticity, fat clays  |
|   | OH                                       | Organic clays of medium to high plasticity, organic silts  |
| <b>HIGHLY ORGANIC SOILS</b>   | PT                                       | Peat and other highly organic soils  |

| LABORATORY CLASSIFICATION CRITERIA |   |  |
|------------------------------------|---|--|
| GW                                 | $C_u = \frac{D_{60}}{D_{10}}$ greater than 4; $C_c = \frac{D_{30}}{D_{10} \times D_{60}}$ between 1 and 3 |  |
| GP                                 | Not meeting all gradation requirements for GW   |  |
| GM                                 | Atterberg limits below "A" line or P.I. less than 4   | Above "A" line with P.I. between 4 and 7 are borderline cases requiring use of dual symbols                  |
| GC                                 | Atterberg limits above "A" line with P.I. greater than 7  |  |
| SW                                 | $C_u = \frac{D_{60}}{D_{10}}$ greater than 4; $C_c = \frac{D_{30}}{D_{10} \times D_{60}}$ between 1 and 3 |  |
| SP                                 | Not meeting all gradation requirements for GW   |  |
| SM                                 | Atterberg limits below "A" line or P.I. less than 4   | Limits plotting in shaded zone with P.I. between 4 and 7 are borderline cases requiring use of dual symbols. |
| SC                                 | Atterberg limits above "A" line with P.I. greater than 7  |  |

Determine percentages of sand and gravel from grain-size curve. Depending on percentage of fines (fraction smaller than No. 200 sieve size), coarse-grained soils are classified as follows:

Less than 5 percent ..... GW, GP, SW, SP  
 More than 12 percent ..... GM, GC, SM, SC  
 5 to 12 percent ..... Borderline cases requiring dual symbols



**THIS PAGE INTENTIONALLY LEFT BLANK**

### Form 3. Soil Classification Log

#### ASTM Soil Classification & USCS Group Symbols

|                                  |                                |                    |                      | Group Symbol         |                                 |   | Group Name                              |   |
|----------------------------------|--------------------------------|--------------------|----------------------|----------------------|---------------------------------|---|---|---|
| <b>&gt;50% Sand &amp; Gravel</b> | GRAVEL<br>% gravel<br>> % sand | ≤5% fines          | Well-graded          | GW                   | <15% sand                       |   | Well-graded GRAVEL                      |   |
|                                  |                                |                    | Poorly-graded        | GP                   | ≥15% sand                       |   | Well-graded GRAVEL with Sand            |   |
|                                  |                                | 10% fines          | Well-graded          | fines - ML or MH     | OW-GM                           | <15% sand                               |   | Poorly graded GRAVEL                    |
|                                  |                                |                    |                      | fines - CL or CH     | OW-GC                           | ≥15% sand                               |   | Poorly graded GRAVEL with Sand          |
|                                  |                                |                    |                      |                      |                                 | <15% sand                               |   | Well-graded GRAVEL with Silt            |
|                                  |                                |                    | Poorly-graded        | fines - ML or MH     | GP-GM                           | ≥15% sand                               |   | Well-graded GRAVEL with Silt and Sand   |
|                                  |                                |                    |                      | fines - CL or CH     | GP-GC                           | <15% sand                               |   | Well-graded GRAVEL with Clay            |
|                                  |                                |                    |                      |                      |                                 | ≥15% sand                               |   | Well-graded GRAVEL with Clay and Sand   |
|                                  |                                | ≥15% fines         | Well-graded          | fines - ML or MH     | GM                              | <15% sand                               |   | Well-graded GRAVEL with Clay and Sand   |
|                                  |                                |                    |                      | fines - CL or CH     | GC                              | ≥15% sand                               |   | Poorly graded GRAVEL with Silt          |
|                                  |                                |                    |                      |                      |                                 | <15% sand                               |   | Poorly graded GRAVEL with Silt and Sand |
|                                  |                                |                    | Poorly-graded        | fines - ML or MH     | GP-GM                           | ≥15% sand                               |   | Poorly graded GRAVEL with Silt and Sand |
|                                  | fines - CL or CH               |                    |                      | GP-GC                | <15% sand                       |   | Poorly graded GRAVEL with Clay          |   |
|                                  |                                |                    |                      |                      | ≥15% sand                       |   | Poorly graded GRAVEL with Clay and Sand |   |
|                                  | SAND<br>% sand ><br>% gravel   | ≤5% fines          | Well-graded          | SW                   | <15% gravel                     |   | Silty GRAVEL                            |   |
|                                  |                                |                    |                      |                      |                                 | ≥15% gravel                             |   | Silty GRAVEL with Sand                  |
|                                  |                                |                    |                      |                      |                                 | <15% gravel                             |   | Clayey GRAVEL                           |
|                                  |                                |                    | Poorly-graded        |                      |                                 | ≥15% gravel                             |   | Clayey GRAVEL with Sand                 |
|                                  |                                |                    |                      |                      |                                 | <15% gravel                             |   | Well-graded SAND                        |
|                                  |                                |                    |                      |                      |                                 | ≥15% gravel                             |   | Well-graded SAND with Gravel            |
|                                  |                                | 10% fines          | Well-graded          | fines - ML or MH     | SW-SM                           | <15% gravel                             |   | Poorly graded SAND                      |
|                                  |                                |                    |                      | fines - CL or CH     | SW-SC                           | ≥15% gravel                             |   | Poorly graded SAND with Gravel          |
|                                  |                                |                    |                      |                      |                                 | <15% gravel                             |   | Well-graded SAND with Silt              |
|                                  |                                |                    | Poorly-graded        | fines - ML or MH     | SP-SM                           | ≥15% gravel                             |   | Well-graded SAND with Silt and Gravel   |
| fines - CL or CH                 |                                |                    |                      | SP-SC                | <15% gravel                     |   | Well-graded SAND with Clay              |   |
|                                  |                                |                    |                      |                      | ≥15% gravel                     |   | Well-graded SAND with Clay and Gravel   |   |
| ≥15% fines                       | Well-graded                    | fines - ML or MH   | SM                   | <15% gravel          |                                 | Poorly graded SAND with Silt            |   |   |
|                                  |                                | fines - CL or CH   | SC                   | ≥15% gravel          |                                 | Poorly graded SAND with Silt and Gravel |   |   |
|                                  |                                |                    |                      | <15% gravel          |                                 | Poorly graded SAND with Clay            |   |   |
|                                  | Poorly-graded                  |                    |                      | ≥15% gravel          |                                 | Poorly graded SAND with Clay and Gravel |   |   |
|                                  |                                |                    |                      | <15% gravel          |                                 | Poorly graded SAND with Clay and Gravel |   |   |
|                                  |                                |                    |                      | ≥15% gravel          |                                 | Clayey SAND                             |   |   |
| <b>50% or More Fines</b>         | Low-Plasticity Clay            | <30% sand & gravel | CL                   | <15% sand & gravel   | <15% Sand and Gravel            |   | Lean CLAY                               |   |
|                                  |                                |                    |                      | 15-25% sand & gravel | % sand ≥ % gravel               | <15% gravel                             | Lean CLAY with Sand                     |   |
|                                  |                                |                    | % sand < % gravel    | <15% gravel          |                                 | Lean CLAY with Gravel                   |   |   |
|                                  |                                | ≥30% sand & gravel | CL                   | % sand ≥ % of gravel | ≥15% gravel                     | <15% gravel                             | Sandy lean CLAY                         |   |
|                                  |                                |                    |                      | % sand < % gravel    | <15% sand                       | ≥15% gravel                             | Sandy lean CLAY with Gravel             |   |
|                                  |                                |                    | % sand < % gravel    | <15% sand            | ≥15% sand                       | Gravelly lean CLAY                      |   |   |
|                                  | Low-Permeability Silt          | <30% sand & gravel | ML                   | 15% sand & gravel    | 15% sand & gravel               |   | Silty lean CLAY with Sand               |   |
|                                  |                                |                    |                      | 15-25% sand & gravel | % sand ≥ % gravel               | <15% gravel                             | Silty lean CLAY with Gravel             |   |
|                                  |                                |                    | % sand < % gravel    | % sand < % gravel    | <15% gravel                     | Sandy SILT                              |   |   |
|                                  |                                | ≥30% sand & gravel | ML                   | % sand ≥ % of gravel | ≥15% gravel                     | <15% gravel                             | Sandy SILT with Gravel                  |   |
|                                  |                                |                    |                      | % sand < % gravel    | <15% sand                       | ≥15% gravel                             | Gravelly SILT                           |   |
|                                  |                                |                    | % sand < % gravel    | <15% sand            | ≥15% sand                       | Gravelly SILT with Sand                 |   |   |
|                                  | Plastic Clay                   | <30% sand & gravel | CH                   | <15% sand & gravel   | <15% sand & gravel              |   | Fat CLAY                                |   |
|                                  |                                |                    |                      | 15-25% sand & gravel | % sand ≥ % gravel               | <15% gravel                             | Fat CLAY with Sand                      |   |
|                                  |                                |                    | % sand < % gravel    | % sand < % gravel    | <15% gravel                     | Fat CLAY with Gravel                    |   |   |
|                                  |                                | ≥30% sand & gravel | CH                   | % sand ≥ % of gravel | ≥15% gravel                     | <15% gravel                             | Sandy fat CLAY                          |   |
|                                  |                                |                    |                      | % sand < % gravel    | <15% sand                       | ≥15% gravel                             | Sandy fat CLAY with Gravel              |   |
|                                  |                                |                    | % sand < % gravel    | <15% sand            | ≥15% sand                       | Gravelly fat CLAY                       |   |   |
|                                  | Plastic Silt                   | <30% sand & gravel | MH                   | <15% sand & gravel   | <15% sand & gravel              |   | Elastic SILT                            |   |
|                                  |                                |                    |                      | 15-25% sand & gravel | % sand > % gravel               | <15% gravel                             | Elastic SILT with Sand                  |   |
|                                  |                                |                    | % sand < % gravel    | % sand < % gravel    | <15% gravel                     | Elastic SILT with Gravel                |   |   |
|                                  |                                | ≥30% sand & gravel | MH                   | % sand ≥ % of gravel | ≥15% gravel                     | <15% gravel                             | Sandy elastic SILT                      |   |
|                                  |                                |                    |                      | % sand < % gravel    | <15% sand                       | ≥15% gravel                             | Sandy elastic SILT with Gravel          |   |
|                                  |                                |                    | % sand < % gravel    | <15% sand            | ≥15% sand                       | Gravelly elastic SILT                   |   |   |
| Organics (Peat or Bay Mud)       | <30% sand & gravel             | OU/OH              | <15% sand & gravel   | <15% sand & gravel   |                                 | Organic SOIL                            |   |   |
|                                  |                                |                    | 15-25% sand & gravel | % sand ≥ % gravel    | <15% gravel                     | Organic SOIL with Sand                  |   |   |
|                                  |                                | % sand < % gravel  | % sand < % gravel    | <15% gravel          | Organic SOIL with Gravel        |   |   |   |
|                                  | ≥30% sand & gravel             | OU/OH              | % sand ≥ % of gravel | ≥15% gravel          | <15% gravel                     | Sandy Organic SOIL                      |   |   |
|                                  |                                |                    | % sand < % gravel    | <15% sand            | ≥15% gravel                     | Sandy Organic SOIL with Gravel          |   |   |
|                                  |                                | % sand < % gravel  | <15% sand            | ≥15% sand            | Gravelly Organic SOIL           |   |   |   |
|                                  |                                |                    | ≥15% sand            |                      | Gravelly Organic SOIL with Sand |   |   |   |



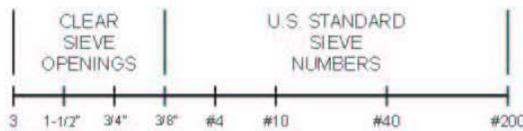
### Form 3. Soil Classification Log (Concluded 3 of 3)

#### CONSISTENCY OF COHESIVE SOILS

| CONSISTENCY | UNCONFINED COMPRESSIVE STRENGTH (TONS PER SQUARE FOOT) |
|-------------|--|
| VERY SOFT   | LESS THAN 0.25   |
| SOFT        | 0.25 to 0.50   |
| FIRM        | 0.50 to 2.0  |
| HARD        | 2.0 to 4.0   |
| VERY HARD   | MORE THAN 4.0  |

#### DENSITY OF GRANULAR SOILS

| DENSITY      | STANDARD PENETRATION RESISTANCE <sup>(1)</sup> |
|--------------|--|
| VERY LOOSE   | 0-4  |
| LOOSE        | 5-10   |
| MEDIUM DENSE | 11-30  |
| DENSE        | 31-50  |
| VERY DENSE   | OVER 50  |



<sup>(1)</sup> STANDARD PENETRATION RESISTANCE IS THE NUMBER OF BLOWS REQUIRED TO DRIVE A 2-INCH O.D. SPLIT BARREL SAMPLER 12 INCHES USING A 140-POUND HAMMER FALLING FREELY THROUGH 30 INCHES. THE SAMPLER IS DRIVEN 18 INCHES AND THE NUMBER OF BLOWS RECORDED FOR EACH 6-INCH INTERVAL. THE SUMMATION OF THE FINAL TWO INTERVALS IS THE STANDARD PENETRATION RESISTANCE.



| COBBLES | GRAVEL |      | SAND   |        |      | SILT AND CLAY |
|---------|--------|------|--------|--------|------|---------------|
|         | COARSE | FINE | COARSE | MEDIUM | FINE |               |

USCS CLASSIFICATION FOR SOILS

#### COARSE-GRAINED SOILS

|   |    |   |
|---|----|---|
| CLEAN GRAVELS<br>(LITTLE OR NO FINES)               | GW | WELL-GRADED GRAVELS,<br>GRAVEL-SAND MIXTURES,<br>LITTLE OR NO FINES   |
|   | GP | POORLY GRADED GRAVELS,<br>GRAVEL-SAND MIXTURES,<br>LITTLE OR NO FINES |
| GRAVELS WITH FINES<br>(APPRECIABLE AMOUNT OF FINES) | GM | SILTY GRAVELS,<br>GRAVEL-SAND-SILT MIXTURES                           |
|   | GC | CLAYEY GRAVELS,<br>GRAVEL-SAND-CLAY MIXTURES                          |
| CLEAN SANDS<br>(LITTLE OR NO FINES)                 | SW | WELL-GRADED SANDS,<br>GRAVELLY SANDS,<br>LITTLE OR NO FINES           |
|   | SP | POORLY-GRADED SANDS,<br>GRAVELLY SANDS,<br>LITTLE OR NO FINES         |
| SANDS WITH FINES<br>(APPRECIABLE AMOUNT OF FINES)   | SM | SILTY SANDS,<br>SAND-SILT MIXTURES                                    |
|   | SC | CLAYEY SANDS,<br>SAND-CLAY MIXTURES                                   |

#### FINE-GRAINED/HIGHLY ORGANIC SOILS

|  |    |  |
|--|----|--|
| SILTS AND CLAYS<br>LIQUID LIMIT<br>(LESS THAN 50)    | ML | INORGANIC SILTS AND VERY FINE SANDS, ROCK FLOUR, SILTY OR CLAYEY FINE SANDS OR CLAYEY SILTS WITH SLIGHT PLASTICITY |
|  | CL | INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS                  |
|  | OL | ORGANIC SILTS AND ORGANIC SILTY CLAYS OF LOW PLASTICITY  |
| SILTS AND CLAYS<br>LIQUID LIMIT<br>(GREATER THAN 50) | MH | INORGANIC SILTS, MICACEOUS OR DIATOMACEOUS FINE SANDY OR SILTY SOILS   |
|  | CH | INORGANIC CLAYS OF HIGH PLASTICITY, FAT CLAYS  |
|  | OH | ORGANIC CLAYS OF MEDIUM TO HIGH PLASTICITY, ORGANIC SILTS  |
| HIGHLY ORGANIC SOILS                                 | PT | PEAT, HUMUS, SWAMP SOILS WITH HIGH ORGANIC CONTENTS  |

**THIS PAGE INTENTIONALLY LEFT BLANK**

### Form 4. Overburden Monitoring Well Construction Diagram

| OVERBURDEN<br>MONITORING WELL<br>CONSTRUCTION DIAGRAM   |  | WELL NO. _____ |
|---|--|----------------|
| PROJECT _____<br>PROJECT NO. _____<br>DATE _____ BORING NO.: _____<br>ELEVATION _____<br>FIELD _____<br>GEOLOGIST _____ | DRILLER _____<br>DRILLING METHOD _____<br>DEVELOPMENT METHOD _____   |                |
|   | ELEVATION OF TOP OF SURFACE CASING: _____<br>ELEVATION OF TOP OF RISER PIPE: _____<br>STICK-UP TOP OF SURFACE CASING: _____<br>STICK-UP RISER PIPE: _____<br>TYPE OF SURFACE SEAL: _____<br><br>I.D. OF SURFACE CASING: _____<br>TYPE OF SURFACE CASING: _____<br><br>RISER PIPE I.D. _____<br>TYPE OF RISER PIPE: _____<br><br>BOREHOLE DIAMETER: _____<br>TYPE OF BACKFILL: _____<br><br>ELEVATION/DEPTH TOP OF SEAL: _____<br>TYPE OF SEAL: _____<br><br>DEPTH TOP OF SAND PACK: _____<br><br>ELEVATION/DEPTH TOP OF SCREEN: _____<br>TYPE OF SCREEN: _____<br>SLOT SIZE X LENGTH: _____<br>TYPE OF SAND PACK: _____<br><br>ELEVATION/DEPTH BOTTOM OF SCREEN: _____<br><br>ELEVATION/DEPTH BOTTOM OF SAND PACK: _____<br>TYPE OF BACKFILL BELOW OBSERVATION WELL: _____<br><br>ELEVATION/DEPTH OF HOLE: _____ |                |
| <b>NOT TO SCALE</b>   |  |                |

**THIS PAGE INTENTIONALLY LEFT BLANK**



**THIS PAGE INTENTIONALLY LEFT BLANK**

Form 6. Analytical Request/Chain-of-Custody

Ref. Document # \_\_\_\_\_

Page \_\_\_\_\_ of \_\_\_\_\_

\_\_\_\_\_

Project Contact: \_\_\_\_\_  
(Name & phone #)

Send Report To: \_\_\_\_\_  
Phone/Fax Number: \_\_\_\_\_  
Address: \_\_\_\_\_  
City: \_\_\_\_\_

Project Number: \_\_\_\_\_  
Project Name / Location: \_\_\_\_\_  
Purchase Order #: \_\_\_\_\_

Shipment Date: \_\_\_\_\_  
Waybill/Airbill Number: \_\_\_\_\_  
Lab Destination: \_\_\_\_\_  
Lab Contact Name / ph. #: \_\_\_\_\_

| Analyses Requested |  |  |  |  |  |  |  |  |  |  |  | Turn Around Time Requested |
|--------------------|--|--|--|--|--|--|--|--|--|--|--|----------------------------|
|                    |  |  |  |  |  |  |  |  |  |  |  |                            |
|                    |  |  |  |  |  |  |  |  |  |  |  |                            |
|                    |  |  |  |  |  |  |  |  |  |  |  |                            |
|                    |  |  |  |  |  |  |  |  |  |  |  |                            |
|                    |  |  |  |  |  |  |  |  |  |  |  |                            |
|                    |  |  |  |  |  |  |  |  |  |  |  |                            |
|                    |  |  |  |  |  |  |  |  |  |  |  |                            |
|                    |  |  |  |  |  |  |  |  |  |  |  |                            |
|                    |  |  |  |  |  |  |  |  |  |  |  |                            |
|                    |  |  |  |  |  |  |  |  |  |  |  |                            |
|                    |  |  |  |  |  |  |  |  |  |  |  |                            |

Sampler's Name(s): \_\_\_\_\_

| Sample ID Number | Sample Description | Collection Information |      |     | Matrix | # of containers | Container type | Preservative |      |                  |                                |     |  |  |  |  |  |  |  |  |  |  |  |
|------------------|--------------------|------------------------|------|-----|--------|-----------------|----------------|--------------|------|------------------|--------------------------------|-----|--|--|--|--|--|--|--|--|--|--|--|
|                  |                    | Date                   | Time | G/C |        |                 |                | HCL          | NaOH | HNO <sub>3</sub> | H <sub>2</sub> SO <sub>4</sub> | Ice |  |  |  |  |  |  |  |  |  |  |  |
|                  |                    |                        |      |     |        |                 |                |              |      |                  |                                |     |  |  |  |  |  |  |  |  |  |  |  |
|                  |                    |                        |      |     |        |                 |                |              |      |                  |                                |     |  |  |  |  |  |  |  |  |  |  |  |
|                  |                    |                        |      |     |        |                 |                |              |      |                  |                                |     |  |  |  |  |  |  |  |  |  |  |  |
|                  |                    |                        |      |     |        |                 |                |              |      |                  |                                |     |  |  |  |  |  |  |  |  |  |  |  |
|                  |                    |                        |      |     |        |                 |                |              |      |                  |                                |     |  |  |  |  |  |  |  |  |  |  |  |
|                  |                    |                        |      |     |        |                 |                |              |      |                  |                                |     |  |  |  |  |  |  |  |  |  |  |  |
|                  |                    |                        |      |     |        |                 |                |              |      |                  |                                |     |  |  |  |  |  |  |  |  |  |  |  |
|                  |                    |                        |      |     |        |                 |                |              |      |                  |                                |     |  |  |  |  |  |  |  |  |  |  |  |
|                  |                    |                        |      |     |        |                 |                |              |      |                  |                                |     |  |  |  |  |  |  |  |  |  |  |  |

Special Instructions: \_\_\_\_\_

QC/Data Package Level Required: \_\_\_\_\_  
I      II      III      IV/Project Specific: \_\_\_\_\_

|                        |                            |                    |                            |
|------------------------|----------------------------|--------------------|----------------------------|
| Relinquished By: _____ | Date: _____<br>Time: _____ | Received By: _____ | Date: _____<br>Time: _____ |
| Relinquished By: _____ | Date: _____<br>Time: _____ | Received By: _____ | Date: _____<br>Time: _____ |
| Relinquished By: _____ | Date: _____<br>Time: _____ | Received By: _____ | Date: _____<br>Time: _____ |

- G/C Codes**  
C = Composite      G = Grab
- Matrix Codes**  
DW = Drinking Water      SO = Soil  
GW = Ground Water      SL = Sludge  
WW = Waste Water      CP = Chip Samples  
SW = Surface Water      WP = Wipe Samples  
LIQ = Other Liquid      SOL = Other Solid  
AS = Air Sample      SED = Sediment





**THIS PAGE INTENTIONALLY LEFT BLANK**