



SAMPLE TRANSMITTAL FORM / CHAIN OF CUSTODY

(To be submitted prior to testing. Samples received without proper documentation will not be opened until receipt of completed Chain of Custody)

I. Sample Size

- | | |
|--|---|
| A. Municipal Wastewater or Water Treatment | 2-4 gallons sludge/ 1 gallon of overlying water |
| B. Industrial Process | 3-5 gallons sludge/ 2 gallons overlying water for every 10% in-situ solids |
| C. Pond/Lake/River Sediment | 4-5 gallons sludge / 2 gallons overlying water for every 10% in-situ solids |
| D. Other | Please contact lab (616) 575-8693 |

II. If solids concentration of sample (percent dry weight) is likely 20% or higher, dilution will be required.

- Provide sample of on-site water in separate container for anticipated dilution.
- Testing will include solids determination. This value will be for verification.
- Unless otherwise noted, the solids concentration of the homogenized sample will be used as the in situ solids concentration.

*Please note that the solids concentration of the sample provided will be used for calculations related to the project development unless otherwise requested.

III. Labeling – With permanent marker, label each sample container and lid with date, name and description.

IV. Packaging

A. Biological Samples (i.e. municipal wastewater biosolids)

1. Place in closed and sealed containers inside a sturdy closable cooler.
2. Containers inside cooler should be sealed with tape to prevent leakage.
3. Include frozen ice packs to preserve sample during shipping.

B. Other Samples (i.e. sediment)

1. Five-gallon buckets with sealed top, or
2. Smaller containers (sealed) inside a sturdy cooler.

C. Containers, coolers, or other forms of packaging will not be returned to client unless specified on this form. All costs incurred with returned materials will be the client's responsibility, and we ask that a return label or UPS or FedEx number for shipping be included with the original shipment or on this form.

V. Shipping

A. Biological Samples- Should be shipped "next day" to arrive Monday-Friday. Monday or Tuesday shipping preferred.

B. Other Samples- Should be shipped based on customer priorities

VI. Notes and Considerations

A. Representative Sample- Care should be taken to collect representative samples. In some cases, composite samples should be collected. As noted above there are specific limitations to the test accuracy based on composite samples. Speak to your WaterSolve representative about these limitations. To the extent practical, the sample(s) should represent a volumetric average of the solids to be processed. Note that the volume provided is not the volume of the entire lagoon/pond, etc. rather it is the just the solids portion. If variations in character or solids concentration are anticipated between areas, separate discrete samples totaling the volumes listed above should be provided.

B. Dangerous/ Hazardous Materials- When testing is requested on dangerous or hazardous materials (per USDOT and/or RCRA Standards), contact WaterSolve LLC prior to shipping. The tested material will be returned to client at client's expense.

C. Water (Filtrate) Clarity- Unless instructed otherwise, water clarity of conditioned residual is typically important to the potential dewatering or settling application. If there are specific requirements for filtrate (water leaving geotextile tube) clarity, it should be noted. If solids separation is the primary objective, and water clarity is not a primary objective, it should also be noted.

D. This testing is done simply as a recommended process and not to be relied upon as an expertise and customer should retain its own expert consultation for proper sampling collection.

Enclose this completed form within a water tight plastic bag or shipping enclosure taped to the outside of the container, e-mail (lab@gowatersolve.com) or fax (616-575-9031) the completed form prior to shipment to Attn: Lab - WaterSolve. Samples should be sent to:

WaterSolve, LLC
Attn: Laboratory
5031 68th Street
Caledonia, MI 49316



5031 68th Street SE
 Caledonia, MI 49316
 Phone (616)575-8693
 www.gowatersolve.com

Chain of Custody Record

Pg. ____ of ____
 COC# Lab

For Lab Use Only

Received By _____
 Date Received _____
 Lab Bin # _____
 WS Job # _____
 Project Lab Tech. _____

Client Name _____ Project Name _____
 Address _____ Client Project No./P.O. No. _____
 City, State Zip _____ Contact/Report To _____
 Phone/Email _____ Invoice To _____

Analysis Requested

Geotextile Dewatering	Settling Application	Other* (comments)	Total Suspended Solid	Turbidity	pH	Other** (comments)	Other*** (comments)
-----------------------	----------------------	-------------------	-----------------------	-----------	----	--------------------	---------------------

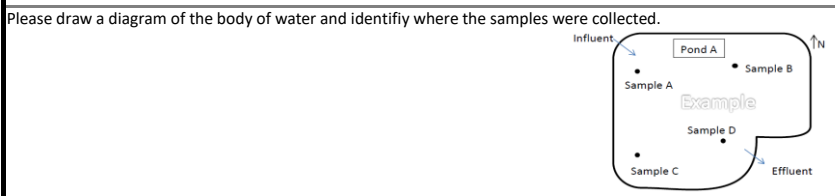
Please note any known hazardous material contained in the samples or any other helpful information about the samples below.

Schedule	Matrix Code	Sample Number	Field Sample ID	Container ID/Type	Sample Date	Sample Time	Comp	Grab	Matrix	Limit mg/L	Limit NTU	Limit range	Limit Units	Limit Units	Sample Comments
			1												
			2												
			3												
			4												
			5												

Sampled By (print) _____ Is this sample designated as hazardous waste per RCRA? () No () Yes (comments) _____ Sample Comments _____
 Sampler's Signature _____
 Company _____ How Shipped? Hand _____ Carrier _____ Tracking No. _____
 Relinquished by _____ Date _____ Time _____ Received by _____ Date _____ Time _____

Project Information

Briefly describe the project objectives: _____
 Type of Material/Residual ___ Municipal Wastewater ___ Municipal Water Treatment ___ Lake/Pond/River Sediment (circle one) ___ Industrial/Process ___ Mine Drainage ___ Other _____
 Application ___ Geotextile Tube Dewatering ___ Settling ___ Clarification ___ Mechanical Dewatering ___ Thickening ___ Other _____
 How was the sample obtained? ___ Individual Core(s) (Best sample collection technique with only solids from core, discard overlying water, overlying water should be sent separately) ___ Composite (PLEASE NOTE, while a composite sample may give us an indication of an average treatment scenario, it does not indicate pockets of concern for treatment effectiveness or areas that may require a higher or lower dose of chemistry, or contain higher in-situ solids since the area of concern may be masked by factors of dilution from other areas) ___ Other _____
 Are there specific requirement or permit limitations? (i.e. filtrate turbidity, TSS, or other parameters) _____ Where will the filtrate/treatment effluent be discharged? _____ Solids concentration of sample (% dry weight solids) if known _____ % In-situ _____ %



Project Comments _____