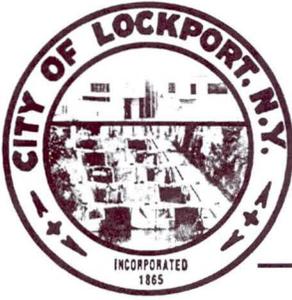


Appendix L
AQUEOUS IDW



CITY OF LOCKPORT
WASTEWATER TREATMENT PLANT & COMPOST FACILITY
611 WEST JACKSON STREET
LOCKPORT, NY 14094
PHONE: (716) 433-1612 FAX: (716) 433-1397

Doug Sibolski, Chief Operator

February 22, 2013

Kevin Connare
Project Manager
URS Corporation
77 Goodell St.
Buffalo, NY 14203

Re: Disposal of liquid wastewater from Remedial Site in Niagara Falls
(The former Lake Ontario Ordnance Works-LOOW)

Dear Mr. Connare,

After review of the analytical results on the water collected at the remedial site, permission is granted to dispose of said water to the Lockport Wastewater Treatment Facility of approximately 14,000 gallons. Green Environmental Specialists, Inc. is your choice to haul the water from the site and is an approved hauler at our facility. The only restriction that is being placed upon disposal of the water will be limited to 3000 gallons per one day.

We will bill the Septic Hauler for all charges and they, in turn, will bill URS. Any surcharges/fees at our facility will be waived.

If you have any questions, please contact my office at (716) 433-1613 ext 304.

Sincerely,

Victoria A. Haehnle
Pretreatment Coordinator
Lockport WWTP

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NY 7890108973	2. Page 1 of 1	3. Emergency Response Phone	4. Waste Tracking Number
	5. Generator's Name and Mailing Address US ARMY CORP OF ENGINEERS 1776 Niagara St. Buffalo, NY 14207 716-999-4229		Generator's Site Address (if different than mailing address) Niagara Falls Storage Site 1347 Plancher Rd Lewiston, NY 14092	
6. Transporter 1 Company Name Western New York Septic Tank Cng.		U.S. EPA ID Number		
7. Transporter 2 Company Name		U.S. EPA ID Number		
8. Designated Facility Name and Site Address CITY OF LOCKPORT WASTEWATER TREATMENT PLANT 611 Jackson St. Lockport, NY 14094 716-432-1612		U.S. EPA ID Number		
9. Waste Shipping Name and Description NON REGULATED WATER		10. Containers		11. Total Quantity
		No.	Type	12. Unit W/Vol.
1. Non Regulated Material Not Regulated by DOT		1	TT	3000 GAL
2.				
3.				
4.				
13. Special Handling instructions and Additional Information None				
14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.				
Generator's/Offor's Printed/Typed Name On Behalf of USACE			Month Day Year 5/1/13	
15. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: Date leaving U.S.:				
16. Transporter Acknowledgment of Receipt of Materials Transporter Signature: Date leaving U.S.: Transporter 2 Printed/Typed Name: Signature: Month Day Year: 5/1/13				
17. Discrepancy 17a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection Manifest Reference Number:				
17b. Alternate Facility (or Generator)		U.S. EPA ID Number		
Facility's Phone:				
17c. Signature of Alternate Facility (or Generator)		Month Day Year		
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a. Month Day Year: 5/1/13				

NON-HAZARDOUS WASTE MANIFEST		1. Generator ID Number NY 729010 R003	2. Page 1 of 1	3. Emergency Response Phone	4. Waste Tracking Number	
5. Generator's Name and Mailing Address US Army Corp of Engineers 1776 Montross St Rt 540, NY 14207 Generator's Phone: 716-229-2229			Generator's Site Address (if different than mailing address) Niagara Falls Storage Site 1377 Plattsburgh Rd Niagara Falls, NY 14202			
6. Transporter 1 Company Name Western New York Seismic Tank & Lin.			U.S. EPA ID Number			
7. Transporter 2 Company Name			U.S. EPA ID Number			
8. Designated Facility Name and Site Address CITY OF LOCKPORT WASTE WATER TREATMENT PLANT 611 JACKSON ST LOCKPORT, NY 14094 Facility's Phone: 716-422-1613			U.S. EPA ID Number			
GENERATOR	9. Waste Shipping Name and Description		10. Containers		11. Total Quantity	12. Unit Wt./Vol.
			No.	Type		
	1. Non Regulated Material Not Regulated by DOT		1	TT	3000	Gal
	2.					
	3.					
4.						
13. Special Handling Instructions and Additional Information None						
14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.						
Generator's/Officer's Printed/Typed Name [Redacted] on behalf of USACE			Signature [Redacted]		Month Day Year 5 2 13	
TRANSPORTER INT'L	15. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____					
	16. Transporter Signature (for exports only): _____					
	16. Transporter Signature (for imports only): _____					
DESIGNATED FACILITY	17. Discrepancy					
	17a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection					
	17b. Alternate Facility (or Generator) _____ U.S. EPA ID Number _____					
	17c. Signature of Alternate Facility (or Generator) _____ Month Day Year _____					
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in item 17a						
Printed/Typed Name [Redacted]			Signature [Redacted]		Month Day Year 5 2 13	

NON-HAZARDOUS WASTE MANIFEST		1. Generator ID Number NY 9890102973	2. Page 1 of 1	3. Emergency Response Phone	4. Waste Tracking Number
5. Generator's Name and Mailing Address US Army Corp of Engineers 1176 Niagara ST Buffalo, NY 14207 Generator's Phone: 716-299-4079			Generator's Site Address (if different than mailing address) Niagara Falls Storage Site 1207 Plattsburgh Rd Lewiston NY 14092		
6. Transporter 1 Company Name Waste Services New York Septic Tank Inc.			U.S. EPA ID Number		
7. Transporter 2 Company Name			U.S. EPA ID Number		
8. Designated Facility Name and Site Address CITY OF LOCKPORT WASTEWATER TREATMENT PLANT 611 JACKSON ST LOCKPORT, NY 14094 Facility's Phone: 716-432-1612			U.S. EPA ID Number		
9. Waste Shipping Name and Description NON REGULATED MATERIAL NOT REGULATED BY DOT		10. Containers No. Type 1 TTT		11. Total Quantity 3000	12. Unit Wt./Vol. GAL
13. Special Handling Instructions and Additional Information None					
14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.					
Generator's/Offeror's Printed/Typed Name AN BEHLE REVIRE		Signature		Month Day Year 05 03 2013	
Transporter Signature (for exports only):		<input type="checkbox"/> Export from U.S.		Port of entry/exit: Date leaving U.S.:	
16. Transporter Acknowledgment of Receipt of Materials					
Transporter 1 Print		Signature		Month Day Year 5 3 13	
Transporter 2 Print		Signature		Month Day Year	
17. Discrepancy					
17a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection					
17b. Alternate Facility (or Generator) Manifest Reference Number: U.S. EPA ID Number					
17c. Signature of Alternate Facility (or Generator) Month Day Year					
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a					
Print Name		Signature		Month Day Year 5 3 13	

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number

NY 7290108993

2. Page 1 of 1

3. Emergency Response Phone

4. Waste Tracking Number

5. Generator's Name and Mailing Address

US Army Corp of Engineers
1776 Niagara St.
Buffalo, NY 14201
716-249-4329

Generator's Site Address (if different than mailing address)

Niagara Falls Storage Site
1377 Platteville Rd
Lewiston, NY 14092

Generator's Phone:

6. Transporter 1 Company Name

Western New York Septic Tank Clog

U.S. EPA ID Number

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

CITY OF LOCKPORT waste water treatment plant
611 Jackson St.
Lockport, NY 14094
716-433-1612

U.S. EPA ID Number

9. Waste Shipping Name and Description

Non Regulated
waste water

10. Containers

No. Type

11. Total Quantity

12. Unit Wt./Vol.

1. NON REGULATED MATERIAL
NON REGULATED BY DOT

1 TT 500#
3000 Gal.

13. Special Handling Instructions and Additional Information

None

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, a id are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offereor's Printed/Typed Name

ON BEHALF OF USACE

Signature

Harold J. [Signature]

Month Day Year

Transporter Signature (for exports only):

Port of entry/exit:
Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Signature

David Kam

Month Day Year

5 6 13

Transporter 2 Printed/Typed Name

Signature

Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space

Quantity

Type

Residue

Partial Rejection

Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)

U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)

Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Signature

Month Day Year

[Signature]

5 6 13

Appendix L
SOLID IDW



RADIOACTIVE WASTE GENERATOR CERTIFICATION

Receipt and Disposal of Certain Very Low Concentration of Radioactive Material at
Wayne Disposal, Inc. (MID 048 090 633)

Project Name: _____

I, being first authorized, do hereby certify that all of the following are true to the best of my knowledge:

1. That no shipment sent to Wayne Disposal, Inc. (WDI) from the aforementioned project will contain any high-level or low-level radioactive waste or any radioactive material generally licensed under 10 CFR 31.7, 31.10, 31.12, or 40.22 or any material that would require WDI to have a specific or a general radioactive material license from the NRC.
2. That the average radioactivity concentration in each shipment sent to WDI from the aforementioned project will not exceed the limits shown in Table 1 below.

Table 1

Nuclide	Concentration (pCi/gram)
U-238	75
U-234	75
Th-230	75
Ra-226	50
Pb-210	50
Po-210	50
U-235	4
Pa-231	4
Ac-227	4
Th-232	13
Ra-228	13
Th-228	13

On Behalf of USAAC

Generator Signature

Printed Name

US Army Corps of Engineers
Company

Health Physicist
Title

5/17/13
Date

The generator's signature *MUST* appear on this form. If the generator has authorized a third party to certify this document, a written notice must accompany this submittal.



GENERATOR APPROVAL NOTIFICATION

Customer: WASTE TECHNOLOGY SERVICES

July 1, 2013

ENVIRONMENTAL MANAGER
US ARMY CORPS OF ENGINEERS
ATTN: [REDACTED]
1776 NIAGARA STREET
BUFFALO, NY 14207

This Generator Approval Notification acknowledges the acceptability of waste material(s) into the noted EQ facility(s) identified below and ensures that each facility has the appropriate permit(s) issued by federal and state regulatory agencies to properly transport, treat, and/or dispose of the waste material(s).

The Approval(s) listed below are based upon characterization information supplied to EQ by the Customer and the Generator (if other than the Customer). The Customer is ultimately responsible for the accuracy and completeness of all such information, whether provided by the Customer or the Generator. The Customer must notify EQ immediately upon knowledge of any changes to this information. The Approval and all wastes which are transported, delivered, or tendered to EQ under this Approval shall be subject to the Standard Terms and Conditions associated with the original Waste Profile Form. (The Standard Terms and Conditions are incorporated into the Waste Profile Form as Page 4.)

The Approval(s) will expire on the date(s) noted. Any new Approvals obtained from EQ on future business will be valid for a period of one (1) year from the date of issuance. Within 60 days of the Approval Expiration Date, you will be notified of the requirements for recertification.

Generator: US ARMY CORPS OF ENGINEERS

EPA ID No.: NY7890108973

Waste Common Name: NFSS IDW DEBRIS, FUSRAP WTS#34651 (KSW)

Waste Code(s): NORM

Comments:

Approval No.: F1334651WTSWDI

Expiration Date: 04/17/2014

EQ Facility Name & ID Number: Wayne Disposal, Inc. (MID048090633)



GENERATOR APPROVAL NOTIFICATION

Customer: WASTE TECHNOLOGY SERVICES

July 1, 2013

ENVIRONMENTAL MANAGER
US ARMY CORPS OF ENGINEERS
ATTN: [REDACTED]
1776 NIAGARA STREET
BUFFALO, NY 14207

This Generator Approval Notification acknowledges the acceptability of waste material(s) into the noted EQ facility(s) identified below and ensures that each facility has the appropriate permit(s) issued by federal and state regulatory agencies to properly transport, treat, and/or dispose of the waste material(s).

The Approval(s) listed below are based upon characterization information supplied to EQ by the Customer and the Generator (if other than the Customer). The Customer is ultimately responsible for the accuracy and completeness of all such information, whether provided by the Customer or the Generator. The Customer must notify EQ immediately upon knowledge of any changes to this information. The Approval and all wastes which are transported, delivered, or tendered to EQ under this Approval shall be subject to the Standard Terms and Conditions associated with the original Waste Profile Form. (The Standard Terms and Conditions are incorporated into the Waste Profile Form as Page 4.)

The Approval(s) will expire on the date(s) noted. Any new Approvals obtained from EQ on future business will be valid for a period of one (1) year from the date of issuance. Within 60 days of the Approval Expiration Date, you will be notified of the requirements for recertification.

Generator: US ARMY CORPS OF ENGINEERS

EPA ID No.: NY7890108973

Waste Common Name: SITE INVESTIGATION SOIL, FUSRAP WTS#34650 (KSW)

Waste Code(s): NONE

Comments:

Approval No.: F1334650WTSWDI

Expiration Date: 04/17/2014

EQ Facility Name & ID Number: Wayne Disposal, Inc. (MID048090633)



RICK SNYDER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF ENVIRONMENTAL QUALITY
LANSING



DAN WYANT
DIRECTOR

June 14, 2013

[REDACTED]
Director of Operations
Michigan Disposal, Inc. and
Wayne Disposal, Inc.
49350 North I-94 Service Drive
Belleville, Michigan 48111-1854

[REDACTED] [REDACTED] [REDACTED]
SUBJECT: Receipt and Disposal of Certain Very Low Concentrations of Radioactive
Material from the Niagara Falls Storage Site (NFSS) at Wayne Disposal, Inc.;
MID 048 090 633

Wayne Disposal, Inc. (WDI) has proposed accepting, for disposal at their facility, investigation-derived soils and other debris containing very low concentrations of radioactive material from the NFSS about four miles northeast of Lewiston, New York.

Niagara Falls Storage Site (NFSS) Summary

The U.S. Army Corps of Engineers (USACE) Buffalo District is evaluating conditions at the NFSS under the Comprehensive Environmental Response, Compensation, and Liability Act as part of its Formerly Utilized Sites Remedial Action Program. In 1944 the NFSS was used by the Manhattan Engineer District to store radioactive residues and wastes from uranium ore processing. Radioactive wastes and residues continued to be brought to the site for storage until 1952. In 1982 the Department of Energy began clean-up and consolidation of the radioactive wastes and residues in an earthen containment cell known as the Interim Waste Containment Structure constructed on the property, which was completed in 1986. The investigation-derived waste proposed for disposal was from subsurface investigations designed to better delineate limits of residual uranium impacts at the site in support of a feasibility study.

The USACE allows the disposal of radioactively-contaminated materials at properly licensed Resource Conservation and Recovery Act Subtitle C disposal facilities. The facility must be authorized by a federal or state regulator to accept radioactive materials in accordance with their facility license and all applicable laws and regulations.

Authorization Determination

Staff of the Radiological Protection Program (RPP), Office of Waste Management and Radiological Protection, Department of Environmental Quality (DEQ), has reviewed the documentation received from WDI describing the material proposed for disposal from the

[REDACTED]
Page 2
June 14, 2013

Niagara Falls Storage Site. In accordance with the process outlined in the August 4, 2010, letter from DEQ to WDI, regarding Disposal of Certain Radioactive Material at WDI, the RPP has determined that WDI may accept the proposed material from the Niagara Falls Storage Site for disposal at their facility as long as WDI complies with all of the conditions listed in the subject letter.

If you have any questions, or if we can be of additional assistance, please contact me via telephone; skowronekr@michigan.gov; or DEQ, P.O. Box 30241, Lansing, Michigan 48909-7741.

Sincerely,

[REDACTED]
Radiological Protection Section
Office of Waste Management and
Radiological Protection
517-241-1253

RS:JK

cc: [REDACTED] The Environmental Quality Company
[REDACTED], The Environmental Quality Company
[REDACTED] Van Buren Township
[REDACTED] DEQ
[REDACTED], DEQ
[REDACTED], DEQ
[REDACTED], DEQ



WASTE PROFILE FORM

For assistance in completing this document or for additional information on EQ's service offerings, please visit our website at www.egonline.com or call 800-592-5489.

EQ - The Environmental Quality Company will choose the appropriate facility and method of waste management for your waste from the technologies offered at each EQ operation.

If you wish to direct this waste to a specific EQ facility(s) or treatment technology please indicate here:

EQ - WAYNE DISPOSAL

Waste Common Name: SITE INVESTIGATION SOIL, WTS#34650 (KSW)

Section 1 - Generator & Customer Information

Generator EPA ID # NY7-890-108-973

Generator US ARMY CORPS OF ENGINEERS

Facility Address NFSS, 1397 PLETCHER ROAD

City LEWISTON State NY Zip _____

24-hour Emergency Response Number () - _____

Mailing Address 1776 NIAGARA STREET

City BUFFALO State NY Zip 14207

Generator Contact [REDACTED]

Title _____

Phone (716) 879-4289 Fax (716) 879-4356

E-mail [REDACTED]@USACE.ARMY.MIL

Internal Use Only: EQ Division _____

EQ Customer No. 583

Invoicing Company WASTE TECHNOLOGY SERVICES

Address 435 NORTH 2ND STREET

City LEWISTON State NY Zip 14092

Country USA

Invoicing Contact ACCOUNTS PAYABLE

Phone (716) 754-5400 Fax (716) 754-8001

Technical Contact [REDACTED]

Phone (716) 754-5400 Fax (716) 754-8001

Cell Phone (716) 870-6760

E-mail [REDACTED]@WTSONLINE.COM

Section 2 - Shipping & Packaging Information

2.1) Shipping Volume & Frequency:

a) Volume of Waste to be Shipped:

23 DM55

b) Frequency: One Time Month Quarter Year Other

2.2) DOT Information

a) Is this a U.S. Department of Transportation (USDOT) Hazardous Material? Yes No

b) If "Yes", indicate the proper shipping name per 49 CFR 172.101 Hazardous Materials Table:

NON-REGULATED MATERIAL (SITE INVESTIGATION SOIL), NR

Section 3 - Special Properties

3.1) Color BLACK/BROWN

3.2) Odor None Ammonia Amines Mercaptans Sulfur Organic Acid Amines/Ammonia
 Other: _____

3.3) Consistency at 70 °F: Solid Dust/Powder Debris Sludge Liquid Gas/Aerosol Varies

3.4) What is the pH? ≤2 2.1-4.9 5-10 10.1-12.4 ≥12.5 N/A

3.5) What is the flash point? <90° F 90-139° F 140-199° F ≥200° F N/A

3.6) Does this waste exhibit any of the following properties? **(check all that apply)**

- | | | | | |
|--|---|--|---|--------------------------------------|
| <input checked="" type="checkbox"/> None | <input type="checkbox"/> Free Liquids | <input type="checkbox"/> Metal Fines | <input type="checkbox"/> Water Reactive | <input type="checkbox"/> Biohazard |
| <input type="checkbox"/> Shock Sensitive | <input type="checkbox"/> Oily Residue | <input type="checkbox"/> Dioxins | <input type="checkbox"/> Furans | <input type="checkbox"/> Aluminum |
| <input type="checkbox"/> Asbestos -non- friable | <input type="checkbox"/> Asbestos - friable | <input type="checkbox"/> Other Radioactive | <input type="checkbox"/> Air Reactive | <input type="checkbox"/> Isocyanates |
| <input type="checkbox"/> Biodegradable Sorbents | <input type="checkbox"/> Pyrophoric | <input type="checkbox"/> Reactive Sulfide | <input type="checkbox"/> Reactive Cyanide | <input type="checkbox"/> Explosives |
| <input type="checkbox"/> Temperature Controlled Organic Peroxide | <input type="checkbox"/> NORM | <input type="checkbox"/> TENORM | | |

Section 4 - Composition and Generating Process

4.1) Provide a physical and chemical composition of the waste (e.g. soil, water, PPE, debris, etc.). List the percent ranges of the material, either estimated or known.

DEBRIS, SMALL STONES 0. to 1. %
SITE INVESTIGATION SOIL 99. to 100. %

4.2) Provide a description of the generating process. *Remediation & IDW Sites: please provide a site history.*

INVESTIGATION OF PROPERTY. UNIMPORTANT QUANTITY OF SOURCE MATERIAL. PLEASE SEE ATTACHED ADDENDUM FOR SITE HISTORY.

4.3) Are there any known previous handling or treatment issues involving this waste? Yes* No

*If yes, describe: _____

Section 5 - Hazardous Wastes

As determined by 40 CFR, Part 261 and State Rules:

Please list applicable waste code(s):

5.1) Is this waste exempted from RCRA? Yes No

If Yes, please provide exemption: _____

5.2) Is this an EPA RCRA listed hazardous waste (F, K, P or U)? Yes No

a) For F006-F009, F012, does this come from a generator that conducts a cyanide plating process? Yes No

5.3) Is this an EPA RCRA characteristic hazardous waste (D001-D043)? Yes No

5.4) Do any State Specific Hazardous Waste Codes apply? Yes No

If you answered 'no' to 5.2, 5.3 and 5.4, please proceed to Section 6.

5.5) EPA Source Code: _____ EPA Form Code: _____

5.6) Waste Code Determination Is Based On: Generator Knowledge Analysis MSDS

Analysis and/or MSDS may be required for review and approval for hazardous and non-hazardous waste streams.

5.7) Does this waste exceed Land Disposal Restriction levels? Yes No

a) Is this stream a wastewater (WW) or non-wastewater (NWW)? WW NWW

b) If this waste stream is greater than 50% soil, does it meet the alternative soil treatment standards of 40 CFR 268.49? Yes No

c) Does this waste contain greater than 50% debris, by volume? Yes No
(Debris is greater than 2.5 inches in size.)

d) If the debris is larger than 3 ft x 3 ft x 3 ft, please provide the approximate dimensions and weight: _____

5.8) If this is a characteristic hazardous waste, does it contain Underlying Hazardous Constituents? Yes* No

*If Yes, please list: _____

For a complete list of UHC constituents, please refer to 40 CFR 268.48

Section 6 - Non-Hazardous Wastes

Please list applicable waste code(s):

6.1) Do any State Specific Non-Hazardous Waste Codes apply? Yes No

6.2) Is this a Universal (UNIV) waste or a Recyclable Good (RG)? UNIV RG N/A

6.3) Is this waste used oil as defined by 40 CFR Part 279? Yes No

a) If yes, is the total halogen content of the used oil waste stream greater than 1,000 ppm? Yes No

b) If yes, what is the source of the halogen content?

This is a metalworking oil/fluid containing chlorinated paraffins.

This is a used oil contaminated with chlorofluorocarbons from refrigeration units.

This oil contains halogenated solvents. List specific solvents: _____

Other, describe: _____

Section 7 - TSCA Information

- 7.1) What is the concentration of PCBs in the waste? None 0-49 ppm 50-499 ppm 500+ ppm
- 7.2) Does the waste contain PCB contamination from a source with a concentration ≥ 50 ppm? Yes No Unknown
- If you answered "none" or '0-49 ppm' to 7.1 and "no" to 7.2, please proceed to Section 8.**
- 7.3) Has this waste been processed into a non-liquid form? Yes* No
*If yes, what was the concentration of PCBs prior to processing? 0-499 ppm 500+ ppm
- 7.4) Is this non-liquid PCB waste in the form of soil, rags, debris, or other contaminated media? Yes No
- 7.5) Are you a PCB capacitor manufacturer or a PCB equipment manufacturer? Yes No
- 7.6) Has the PCB Article (e.g., transformer, hydraulic machine, PCB-contaminated electrical equipment) been drained/flushed of all PCBs and decontaminated in accordance with 40 CFR 761.60(b)? Yes No N/A

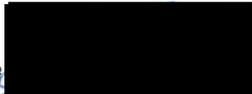
Section 8 - Clean Air Act Information

- 8.1) Is this waste subject to regulation under 40 CFR, Part 264, Subpart CC (VOC > 500 ppmw)? Yes No
- 8.2) Is this waste subject to regulation under 40 CFR, Part 63, Subpart DD (VOHAP > 500 ppmw)? Yes No
- 8.3) Is the site, or waste, subject to any other NESHAP/MACT standard(s)? Yes* No
- *If Yes this document serves as notification that this waste contains chemicals required to be managed in accordance with Part 61 62 63 Subpart _____ of NESHAP/MACT standards.
- 8.4) Does this waste stream contain Benzene? Yes No
- If you answered "no" to 8.4, please proceed to Section 9.**
- 8.5) Does the waste stream come from a facility subject to 40 CFR 61, Subpart FF (Benzene NESHAP)? Yes No
- If Yes, please provide the SIC/NAICS code: _____
- If you answered "no" to 8.5, please proceed to Section 9.**
- 8.6) Does your facility manage the waste subject to Benzene NESHAP in a manner other than shipping off-site? Yes No
- If Yes, please specify: _____
- 8.7) Is the generating source of this waste a facility with Total Annual Benzene (TAB) ≥ 10 Mg/year? Yes No
- 8.8) Does the waste contain >10% water? Yes No
- 8.9) What is the TAB quantity for your facility? _____ Mg/year
- 8.10) What is the total Benzene concentration in your waste? _____ Percent or _____ ppmw.

Supporting analysis must be attached. Do not use TCLP analytical results. Acceptable laboratory methods include 8020, 8240, 8260, 602 and 624.

Section 9 - Certification

I certify that all information (including attachments) is complete and factual and is an accurate representation of the known and suspected hazards, pertaining to the waste described herein. I authorize EQ's personnel to add supplemental information to the waste approval file, provided I am contacted and give verbal permission. I authorize EQ's personnel to obtain a sample from any waste shipment for purposes of verification and confirmation. I agree that, if EQ approves the waste described herein, all such wastes that are transported, delivered, or tendered to EQ by Generator or on Generator's behalf shall be subject to, and Generator shall be bound by, the attached Standard Terms and Conditions.

Generator Signature  ted Name 
Company CORPS OF ENGINEERS Title HEALTH PHYSICIST Date 15 APR 2013

The generator's signature MUST appear on the EQ Waste Profile Form. If the generator has authorized a third party to certify this document, a written notice must accompany this submittal.

STANDARD TERMS AND CONDITIONS

The Agreement between the Customer and EQ - The Environmental Quality Company and/or its member companies (hereinafter "EQ") related to or associated with Delivered Waste, as herein defined, shall be governed by the following Standard Terms and Conditions in addition to the terms and conditions contained in any Waste Profile Form, Customer Approval Quote Confirmation, Generator Approval Notification, Notice of Waste Approval Expiration, and/or Credit Agreement associated with such Delivered Waste.

The Customer may use its standard forms (such as purchase orders, acknowledgments of orders, and invoices) to administer its dealings under this Agreement for convenience purposes, but all provisions thereof in conflict with these terms and conditions shall be deemed stricken.

Definitions

"Acceptable Waste" shall mean any hazardous waste, as defined under applicable State or federal law, determined by EQ as acceptable for treatment and/or disposal in accordance with this Agreement.

"Delivered Wastes" shall mean all wastes (i) which are transported, delivered, or tendered to EQ by the Customer; (ii) which the Customer has arranged for the transport, delivery or tender to EQ; or (iii) which are transported, delivered, or tendered to EQ under a Credit Agreement between the Customer and EQ.

"Non-Conforming Wastes" shall mean wastes that (a) are not in accordance in all material respects with the warranties, descriptions, specifications or limitations stated in the Waste Characterization Report and this Agreement; (b) have constituents or components of a type or concentration not specifically identified in the Waste Characterization Report (i) which increase the nature or extent of the hazard and risk undertaken by EQ in treating and/or disposing of the waste, or (ii) for whose treatment and/or disposal a Waste Management Facility is not designed or permitted, or (iii) which increase the cost of treatment and/or disposal of waste beyond that specified in EQ's price quote; or (c) are not properly packaged, labeled, described, or placarded, or otherwise not in compliance with United States Department of Transportation and United States Environmental Protection Agency regulations.

Control of Operations.

EQ shall have sole control over all aspects of the operation of any treatment and/or disposal facility of EQ receiving Delivered Wastes under this Agreement (hereinafter, "Waste Management Facility"), including, without limitation, maintaining EQ's desired volume of Acceptable Wastes being delivered to any Waste Management Facility by the Customer or any other person or entity.

Identification of Waste.

For each waste material to be transported, delivered, or tendered to EQ under this Agreement, the Customer shall provide, or cause to be provided, to EQ a representative sample of the waste material and a completed Waste Characterization Report containing a physical and chemical description or analysis of such waste material, which description shall conform with any and all guidelines for waste acceptance provided by EQ. On the basis of EQ's analysis of such representative sample of the waste material and such Waste Characterization Report, EQ will determine whether such wastes are Acceptable Wastes. EQ does not make any guarantee that it will handle any waste material or any particular quantity or type of waste material, and EQ reserves the right to the decline to transport, treat and/or dispose of waste material. The Customer shall promptly furnish to EQ any information regarding known, suspected or planned changes in the composition of the waste material. Further, the Customer shall promptly inform EQ of any change in the characteristic or condition of the waste material which becomes known to the Customer subsequent to the date of the Waste Characterization Report.

Non-Conforming Wastes.

In the event that EQ at any time discovers that any Delivered Waste is Non-Conforming Waste, EQ may reject or revoke its acceptance of the Non-Conforming Waste. The Customer shall have seven (7) days to direct an alternative lawful manner of disposition of the waste, unless it is necessary by reason of law or otherwise to move the Non-Conforming Waste prior to expiration of the seven (7) day period. If the Customer does not direct an alternative disposal, at its option, EQ may return any such Non-Conforming Wastes to the Customer, and the Customer shall pay or reimburse EQ for all costs and expenses incurred by EQ in connection with the receipt, handling, sampling, analyses, transportation and return to the Customer of such Non-Conforming Wastes. If it is impossible or impractical for EQ to return the Non-Conforming Waste to the Customer, the Customer shall reimburse EQ for all costs, of any type or nature whatsoever, incurred by EQ, solely because such Delivered Waste was Non-Conforming Waste (including, but not limited to, all costs associated with any remedial steps necessary, due to the nature of the Non-Conforming Waste, in connection with material with which the Non-Conforming Waste may have been commingled and all expenses and charges for analyzing, handling, locating, preparing for transporting, storing and disposing of any Non-Conforming Waste).

Customer Warranty - Acceptable Wastes.

All Delivered Wastes shall be Acceptable Wastes and shall conform in all material respects to the description and specifications contained in the Waste Characterization Report. The information set forth in the Waste Characterization Report or any manifest, placard or label associated with any Delivered Wastes, or otherwise represented by the Customer or the generator (if other than the Customer) to EQ, is and shall be true, accurate and complete as of the date of receipt of the involved waste by EQ.

Customer Warranty - Title to Wastes.

Either the Customer or the generator (if other than the Customer) shall hold clear title, free of any all liens, claims, encumbrances, and charges to Delivered Waste until such waste is accepted by EQ.

Customer Warranty - Compliance with Laws.

The Customer shall comply with all applicable federal, state and local environmental statutes, regulations, and other governmental requirements, as well as directives issued by EQ from time to time, governing the transportation, treatment and/or disposal of Acceptable Wastes, including, but not limited to, all packaging, manifesting, containerization, placarding and labeling requirements.

Customer Warranty - Updating Information.

If the Customer receives information that Delivered Waste or other hazardous waste described in the Waste Characterization Report, or some component of such waste, presents or may present a hazard or risk to persons, property or the environment which was not disclosed to EQ, or if the Customer or generator (if other than the Customer) has changed the process by which such waste results, the Customer shall promptly report such information to EQ in writing.

Customer Indemnity.

The Customer shall indemnify, defend and hold harmless EQ, and its affiliated or related companies, and all of their respective present or future officers, directors, shareholders, employees and agents from and against any and all losses, damages, liabilities, penalties, fines, forfeitures, demands, claims, causes of action, suits, costs and expenses (including, but not limited to, reasonable costs of defense, settlement, and reasonable attorneys' fees), which may be asserted against any or all of them by any person or any governmental agency, or which any or all of them may hereafter suffer, incur, be responsible for or pay out, as a result of or in connection with bodily injuries (including, but not limited to, death, sickness, disease and emotional or mental distress) to any person (including EQ's employees), damage (including, but not limited to, loss of use) to any property (public or private), or any requirements to conduct or incur expense for investigative, removal or remedial expenses in connection with contamination of or adverse effect on the environment, or any violation or alleged violation of any statutes, ordinances, orders, rules or regulations of any governmental entity or agency, caused or arising out of (i) a breach of this Agreement by the Customer, (ii) the failure of any warranty of the Customer to be true, accurate and complete, or (iii) any willful or negligent act or omission of the Customer, or its employees or agents in connection with the performance of this Agreement.

Force Majeure.

EQ shall not be liable for any failure to accept, receive, handle, treat, and/or dispose of Delivered Waste due to an act of God, fire, casualty, flood, war, strike, lockout, labor trouble, failure of public utilities, equipment failure, facility shutdown, injunction, accident, epidemic, riot, insurrection, destruction of operation or transportation facilities, the inability to procure materials, equipment, or sufficient personnel or energy in order to meet operational needs without the necessity of allocation, the failure or inability to obtain any governmental approvals or to meet Environmental Requirements (including, but not limited to voluntary or involuntary compliance with any act, exercise, assertion, or requirement of any governmental authority) which may temporarily or permanently prohibit operations of EQ, the Customer, or the Generator, or any other circumstances beyond the control of EQ which prevents or delays performance of any of its obligations under this Agreement.

Governing Laws

This Agreement shall in all respects be governed by and shall be construed in accordance with the laws of the State of Michigan applied to contracts executed and performed wholly within such state.

Bulk Disposal Charges

Quoted bulk disposal charges for solid materials will be billed by the cubic yard, if the waste density is less than 2,000lbs./cubic yard. If waste density is greater than 2,000 lbs./cubic yard, then bulk disposal charges will be billed by the ton, regardless of the approved container.



NORM / TENORM / EXEMPTED WASTE ADDENDUM

Generator Information

EPA ID No.: NY7890108973
 Generator Name: US ARMY CORPS OF ENGINEERS Site Name: NIAGARA FALLS STORAGE SITE
 Address: 1776 NIAGARA STREET Address: 1397 PLETCHER ROAD
 City, State, Zip: BUFFALO, NY 14207 City, State, Zip: LEWISTON, NY

SITE INVESTIGATION SOIL, WTS#34650 (KSW)

Waste Information

1. Does this waste contain NORM (Naturally Occurring Radioactive Material)? Yes No
2. Does this waste contain TENORM (Technologically Enhanced NORM)? Yes No
3. Does this waste contain Material Exempted from Disposal Restrictions? Yes No
4. Is this waste being generated at a facility that has, or formerly held a U.S. Nuclear Regulatory Commission or Agreement State license? Yes No

The waste is to be disposed of at:

- Wayne Disposal Site #2 Landfill Michigan Disposal Waste Treatment Plant
 49350 North I-94 Service Drive 49350 North I-94 Service Drive
 Belleville, MI 48111 Belleville, MI 48111

Please describe the process generating the waste: INVESTIGATION OF PROPERTY. UNIMPORTANT
 QUANTITY OF SOURCE MATERIAL.

The estimated volume of waste to be disposed of is:

- _____ Tons _____ Cubic Yards 23 Drums
 _____ Gallons Other, please specify: _____

The material is proposed to ship on the following dates: On or before 04/30/2013

Generator Certification

I certify that the concentration of Radium-226 in the waste does not exceed 50 picocuries per gram, averaged over any single shipment. I also understand that the proposed shipments are subject to independent confirmation testing by the Michigan Department of Environmental Quality.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision according to a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true and accurate. I am aware that there are significant penalties for submitting false information, including the possibility of imprisonment for knowing violations.



15 APR 2013

Date



ON BEHALF OF THE US ARMY CORPS OF ENGINEERS

Printed Name

Company

Please note: EQ will forward a copy of this addendum, with the appropriate analysis to the Michigan Department of Environmental Quality, Waste and Hazardous Materials Division, Radiological Protection and Medical Waste Section.



WASTE PROFILE FORM

For assistance in completing this document or for additional information on EQ's service offerings, please visit our website at www.egonline.com or call 800-592-5489.

EQ - The Environmental Quality Company will choose the appropriate facility and method of waste management for your waste from the technologies offered at each EQ operation.

If you wish to direct this waste to a specific EQ facility(s) or treatment technology please indicate here:

EQ - WAYNE DISPOSAL

Waste Common Name: SITE INVESTIGATION DEBRIS, WTS#34651 (KSW)

Section 1 - Generator & Customer Information

Generator EPA ID # NY7-890-108-973	<i>Internal Use Only: EQ Division</i> _____
Generator US ARMY CORPS OF ENGINEERS	EQ Customer No. 583
Facility Address NFSS, 1397 PLETCHER ROAD	Invoicing Company WASTE TECHNOLOGY SERVICES
City LEWISTON State NY Zip _____	Address 435 NORTH 2ND STREET
24-hour Emergency Response Number () - _____	City LEWISTON State NY Zip 14092
	Country USA
Mailing Address 1776 NIAGARA STREET	Invoicing Contact ACCOUNTS PAYABLE
City BUFFALO State NY Zip 14207	Phone (716) 754-5400 Fax (716) 754-8001
Generator Contact [REDACTED]	Technical Contact [REDACTED]
Title _____	Phone (716) 754-5400 Fax (716) 754-8001
Phone (716) 879-4289 Fax (716) 879-4356	Cell Phone (716) 870-6760
E-mail [REDACTED]@USACE.ARMY.MIL	E-mail [REDACTED]@WTSONLINE.COM

Section 2 - Shipping & Packaging Information

2.1) Shipping Volume & Frequency:

a) Volume of Waste to be Shipped: 90 CUFT, 23 DM55

b) Frequency: One Time Month Quarter Year Other

2.2) DOT Information

a) Is this a U.S. Department of Transportation (USDOT) Hazardous Material? Yes No

b) If "Yes", indicate the proper shipping name per 49 CFR 172.101 Hazardous Materials Table:
NON-REGULATED MATERIAL (SITE INVESTIGATION DEBRIS), NR

Section 3 - Special Properties

3.1) Color VARIES

3.2) Odor None Ammonia Amines Mercaptans Sulfur Organic Acid Amines/Ammonia
 Other: _____

3.3) Consistency at 70 °F: Solid Dust/Powder Debris Sludge Liquid Gas/Aerosol Varies

3.4) What is the pH? ≤2 2.1-4.9 5-10 10.1-12.4 ≥12.5 N/A

3.5) What is the flash point? <90° F 90-139° F 140-199° F ≥200° F N/A

3.6) Does this waste exhibit any of the following properties? **(check all that apply)**

<input checked="" type="checkbox"/> None	<input type="checkbox"/> Free Liquids	<input type="checkbox"/> Metal Fines	<input type="checkbox"/> Water Reactive	<input type="checkbox"/> Biohazard
<input type="checkbox"/> Shock Sensitive	<input type="checkbox"/> Oily Residue	<input type="checkbox"/> Dioxins	<input type="checkbox"/> Furans	<input type="checkbox"/> Aluminum
<input type="checkbox"/> Asbestos -non- friable	<input type="checkbox"/> Asbestos - friable	<input type="checkbox"/> Other Radioactive	<input type="checkbox"/> Air Reactive	<input type="checkbox"/> Isocyanates
<input type="checkbox"/> Biodegradable Sorbents	<input type="checkbox"/> Pyrophoric	<input type="checkbox"/> Reactive Sulfide	<input type="checkbox"/> Reactive Cyanide	<input type="checkbox"/> Explosives
<input type="checkbox"/> Temperature Controlled Organic Peroxide	<input type="checkbox"/> NORM	<input type="checkbox"/> TENORM		

Section 4 - Composition and Generating Process

4.1) Provide a physical and chemical composition of the waste (e.g. soil, water, PPE, debris, etc.). List the percent ranges of the material, either estimated or known.

DEBRIS (CONCRETE, METAL, ETC.) _____ 99. to _____ 100. %
SOIL, SMALL STONES _____ 0. to _____ 1. %

4.2) Provide a description of the generating process. *Remediation & IDW Sites: please provide a site history.*

INVESTIGATION OF PROPERTY. UNIMPORTANT QUANTITY OF SOURCE MATERIAL. SEE ATTACHED ADDENDUM FOR SITE HISTORY.

4.3) Are there any known previous handling or treatment issues involving this waste? Yes* No

*If yes, describe: _____

Section 5 - Hazardous Wastes

As determined by 40 CFR, Part 261 and State Rules:

Please list applicable waste code(s):

5.1) Is this waste exempted from RCRA? Yes No

If Yes, please provide exemption: _____

5.2) Is this an EPA RCRA listed hazardous waste (F, K, P or U)? Yes No

a) For F006-F009, F012, does this come from a generator that conducts a cyanide plating process? Yes No

5.3) Is this an EPA RCRA characteristic hazardous waste (D001-D043)? Yes No

5.4) Do any State Specific Hazardous Waste Codes apply? Yes No

If you answered 'no' to 5.2, 5.3 and 5.4, please proceed to Section 6.

5.5) EPA Source Code: _____ EPA Form Code: _____

5.6) Waste Code Determination Is Based On: Generator Knowledge Analysis MSDS

Analysis and/or MSDS may be required for review and approval for hazardous and non-hazardous waste streams.

5.7) Does this waste exceed Land Disposal Restriction levels? Yes No

a) Is this stream a wastewater (WW) or non-wastewater (NWW)? WW NWW

b) If this waste stream is greater than 50% soil, does it meet the alternative soil treatment standards of 40 CFR 268.49? Yes No

c) Does this waste contain greater than 50% debris, by volume? Yes No
(Debris is greater than 2.5 inches in size.)

d) If the debris is larger than 3 ft x 3 ft x 3 ft, please provide the approximate dimensions and weight: _____

5.8) If this is a characteristic hazardous waste, does it contain Underlying Hazardous Constituents? Yes* No

*If Yes, please list: _____

For a complete list of UHC constituents, please refer to 40 CFR 268.48

Section 6 - Non-Hazardous Wastes

Please list applicable waste code(s):

6.1) Do any State Specific Non-Hazardous Waste Codes apply? Yes No

6.2) Is this a Universal (UNIV) waste or a Recyclable Good (RG) ? UNIV RG N/A

6.3) Is this waste used oil as defined by 40 CFR Part 279? Yes No

a) If yes, is the total halogen content of the used oil waste stream greater than 1,000 ppm? Yes No

b) If yes, what is the source of the halogen content?

This is a metalworking oil/fluid containing chlorinated paraffins.

This is a used oil contaminated with chlorofluorocarbons from refrigeration units.

This oil contains halogenated solvents. List specific solvents: _____

Other, describe: _____

Section 7 - TSCA Information

- 7.1) What is the concentration of PCBs in the waste? None 0-49 ppm 50-499 ppm 500+ ppm
- 7.2) Does the waste contain PCB contamination from a source with a concentration \geq 50 ppm? Yes No Unknown
- If you answered "none" or "0-49 ppm" to 7.1 and "no" to 7.2, please proceed to Section 8.**
- 7.3) Has this waste been processed into a non-liquid form? Yes* No
 *If yes, what was the concentration of PCBs prior to processing? 0-499 ppm 500+ ppm
- 7.4) Is this non-liquid PCB waste in the form of soil, rags, debris, or other contaminated media? Yes No
- 7.5) Are you a PCB capacitor manufacturer or a PCB equipment manufacturer? Yes No
- 7.6) Has the PCB Article (e.g., transformer, hydraulic machine, PCB-contaminated electrical equipment) been drained/flushed of all PCBs and decontaminated in accordance with 40 CFR 761.60(b)? Yes No N/A

Section 8 - Clean Air Act Information

- 8.1) Is this waste subject to regulation under 40 CFR, Part 264, Subpart CC (VOC > 500 ppmw)? Yes No
- 8.2) Is this waste subject to regulation under 40 CFR, Part 63, Subpart DD (VOHAP > 500 ppmw)? Yes No
- 8.3) Is the site, or waste, subject to any other NESHAP/MACT standard(s)? Yes* No
 *If Yes this document serves as notification that this waste contains chemicals required to be managed in accordance with Part 61 62 63 Subpart _____ of NESHAP/MACT standards.
- 8.4) Does this waste stream contain Benzene? Yes No
If you answered "no" to 8.4, please proceed to Section 9.
- 8.5) Does the waste stream come from a facility subject to 40 CFR 61, Subpart FF (Benzene NESHAP)? Yes No
 If Yes, please provide the SIC/NAICS code: _____
If you answered "no" to 8.5, please proceed to Section 9.
- 8.6) Does your facility manage the waste subject to Benzene NESHAP in a manner other than shipping off-site? Yes No
 If Yes, please specify: _____
- 8.7) Is the generating source of this waste a facility with Total Annual Benzene (TAB) \geq 10 Mg/year? Yes No
- 8.8) Does the waste contain >10% water? Yes No
- 8.9) What is the TAB quantity for your facility? _____ Mg/year
- 8.10) What is the total Benzene concentration in your waste? _____ Percent or _____ ppmw.

Supporting analysis must be attached. Do not use TCLP analytical results. Acceptable laboratory methods include 8020, 8240, 8260, 602 and 624.

Section 9 - Certification

I certify that all information (including attachments) is complete and factual and is an accurate representation of the known and suspected hazards, pertaining to the waste described herein. I authorize EQ's personnel to add supplemental information to the waste approval file, provided I am contacted and give verbal permission. I authorize EQ's personnel to obtain a sample from any waste shipment for purposes of verification and confirmation. I agree that, if EQ approves the waste described herein, all such wastes that are transported, delivered, or tendered to EQ by Generator or on Generator's behalf shall be subject to, and Generator shall be bound by, the attached Standard Terms and Conditions.

Generator Signa _____ Printed Name _____
ON BEHALF OF THE
 Company US ARMY CORPS OF ENGINEERS Title HEALTH PHYSICIST Date 15 APR 2013

The generator's signature MUST appear on the EQ Waste Profile Form. If the generator has authorized a third party to certify this document, a written notice must accompany this submittal.

STANDARD TERMS AND CONDITIONS

The Agreement between the Customer and EQ - The Environmental Quality Company and/or its member companies (hereinafter "EQ") related to or associated with Delivered Waste, as herein defined, shall be governed by the following Standard Terms and Conditions in addition to the terms and conditions contained in any Waste Profile Form, Customer Approval Quote Confirmation, Generator Approval Notification, Notice of Waste Approval Expiration, and/or Credit Agreement associated with such Delivered Waste.

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"Delivered Wastes" shall mean all wastes (i) which are transported, delivered, or tendered to EQ by the Customer; (ii) which the Customer has arranged for the transport, delivery or tender to EQ; or (iii) which are transported, delivered, or tendered to EQ under a Credit Agreement between the Customer and EQ.

"Non-Conforming Wastes" shall mean wastes that (a) are not in accordance in all material respects with the warranties, descriptions, specifications or limitations stated in the Waste Characterization Report and this Agreement; (b) have constituents or components of a type or concentration not specifically identified in the Waste Characterization Report (i) which increase the nature or extent of the hazard and risk undertaken by EQ in treating and/or disposing of the waste, or (ii) for whose treatment and/or disposal a Waste Management Facility is not designed or permitted, or (iii) which increase the cost of treatment and/or disposal of waste beyond that specified in EQ's price quote; or (c) are not properly packaged, labeled, described, or placarded, or otherwise not in compliance with United States Department of Transportation and United States Environmental Protection Agency regulations.

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Customer Warranty - Acceptable Wastes.

All Delivered Wastes shall be Acceptable Wastes and shall conform in all material respects to the description and specifications contained in the Waste Characterization Report. The information set forth in the Waste Characterization Report or any manifest, placard or label associated with any Delivered Wastes, or otherwise represented by the Customer or the generator (if other than the Customer) to EQ, is and shall be true, accurate and complete as of the date of receipt of the involved waste by EQ.

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Customer Indemnity.

The Customer shall indemnify, defend and hold harmless EQ, and its affiliated or related companies, and all of their respective present or future officers, directors, shareholders, employees and agents from and against any and all losses, damages, liabilities, penalties, fines, forfeitures, demands, claims, causes of action, suits, costs and expenses (including, but not limited to, reasonable costs of defense, settlement, and reasonable attorneys' fees), which may be asserted against any or all of them by any person or any governmental agency, or which any or all of them may hereafter suffer, incur, be responsible for or pay out, as a result of or in connection with bodily injuries (including, but not limited to, death, sickness, disease and emotional or mental distress) to any person (including EQ's employees), damage (including, but not limited to, loss of use) to any property (public or private), or any requirements to conduct or incur expense for investigative, removal or remedial expenses in connection with contamination of or adverse effect on the environment, or any violation or alleged violation of any statutes, ordinances, orders, rules or regulations of any governmental entity or agency, caused or arising out of (i) a breach of this Agreement by the Customer, (ii) the failure of any warranty of the Customer to be true, accurate and complete, or (iii) any willful or negligent act or omission of the Customer, or its employees or agents in connection with the performance of this Agreement.

Force Majeure.

EQ shall not be liable for any failure to accept, receive, handle, treat, and/or dispose of Delivered Waste due to an act of God, fire, casualty, flood, war, strike, lockout, labor trouble, failure of public utilities, equipment failure, facility shutdown, injunction, accident, epidemic, riot, insurrection, destruction of operation or transportation facilities, the inability to procure materials, equipment, or sufficient personnel or energy in order to meet operational needs without the necessity of allocation, the failure or inability to obtain any governmental approvals or to meet Environmental Requirements (including, but not limited to voluntary or involuntary compliance with any act, exercise, assertion, or requirement of any governmental authority) which may temporarily or permanently prohibit operations of EQ, the Customer, or the Generator, or any other circumstances beyond the control of EQ which prevents or delays performance of any of its obligations under this Agreement.

Governing Laws

This Agreement shall in all respects be governed by and shall be construed in accordance with the laws of the State of Michigan applied to contracts executed and performed wholly within such state.

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Quoted bulk disposal charges for solid materials will be billed by the cubic yard, if the waste density is less than 2,000lbs./cubic yard. If waste density is greater than 2,000 lbs./cubic yard, then bulk disposal charges will be billed by the ton, regardless of the approved container.



NORM / TENORM / EXEMPTED WASTE ADDENDUM

Generator Information

EPA ID No.: NY7890108973
Generator Name: US ARMY CORPS OF ENGINEERS Site Name: NIAGARA FALLS STORAGE SITE
Address: 1776 NIAGARA STREET Address: 1397 PLETCHER ROAD
City, State, Zip: BUFFALO, NY 14207 City, State, Zip: LEWISTON, NY

SITE INVESTIGATION DEBRIS, WTS#34651 (KSW)

Waste Information

- 1. Does this waste contain NORM (Naturally Occurring Radioactive Material)? Yes No
- 2. Does this waste contain TENORM (Technologically Enhanced NORM)? Yes No
- 3. Does this waste contain Material Exempted from Disposal Restrictions? Yes No
- 4. Is this waste being generated at a facility that has, or formerly held a U.S. Nuclear Regulatory Commission or Agreement State license? Yes No

The waste is to be disposed of at:

- Wayne Disposal Site #2 Landfill
49350 North I-94 Service Drive
Belleville, MI 48111
- Michigan Disposal Waste Treatment Plant
49350 North I-94 Service Drive
Belleville, MI 48111

Please describe the process generating the waste: INVESTIGATION OF PROPERTY. UNIMPORTANT
QUANTITY OF SOURCE MATERIAL

The estimated volume of waste to be disposed of is:

- _____ Tons
- _____ Cubic Yards
- 23 Drums
- _____ Gallons
- Other, please specify: 90 CUBIC FEET

The material is proposed to ship on the following dates: On or before 04/30/2013

Generator Certification

I certify that the concentration of Radium-226 in the waste does not exceed 50 picocuries per gram, averaged over any single shipment. I also understand that the proposed shipments are subject to independent confirmation testing by the Michigan Department of Environmental Quality.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision according to a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of criminal sanctions and/or civil penalties for knowing violations.

[Redacted Signature] 15 APR 2013
Date
[Redacted Name] ON BEHALF OF THE US ARMY CORPS
Printed Name Company OF ENGINEERS

Please note: EQ will forward a copy of this addendum, with the appropriate analysis to the Michigan Department of Environmental Quality, Waste and Hazardous Materials Division, Radiological Protection and Medical Waste Section.

NFSS Site Background

The Niagara Falls Storage Site (NFSS) is located at 1397 Pletcher Road in the Town of Lewiston. The NFSS represents a portion of the Lake Ontario Ordnance Works (LOOW), a former trinitrotoluene (TNT) production plant which shut down in 1943. Portions of the LOOW site were used by the USACE Manhattan Engineer District (MED) and U.S. Atomic Energy Commission (AEC) to store radioactive residues and other materials generated during the Manhattan Project beginning in 1944. Much of the radioactive residues sent to the NFSS originated from uranium processing activities conducted for MED and AEC at the Linde Air Products facility in Tonawanda, New York, the Mallinckrodt Chemical Works refinery in St. Louis, Missouri, and the Middlesex Sampling Plant in Middlesex, New Jersey.

Radiological constituents of concern at NFSS include isotopic uranium, isotopic thorium, and radium-226/228. Other constituents that occur on-site in lesser amounts include daughter products of the uranium series (Uranium-238 [U-238]) and, to some extent, the actinium series (Uranium-235 [U-235]). Some volatile organic compound (VOC) contaminants are also present at the site.

During previous remedial efforts, some of the radioactive wastes were removed from the site and the remaining wastes were consolidated into an engineered storage area referred to as the Interim Waste Containment Structure (IWCS). The investigation-derived waste identified in the EQ Waste Profile forms was from subsurface investigations designed to better delineate limits of residual uranium impacts at the site in support of a feasibility study.



WASTE PROFILE FORM

For assistance in completing this document or for additional information on EQ's service offerings, please visit our website at www.egonline.com or call 800-592-5489.

EQ - The Environmental Quality Company will choose the appropriate facility and method of waste management for your waste from the technologies offered at each EQ operation.

If you wish to direct this waste to a specific EQ facility(s) or treatment technology please indicate here:

EQ - WAYNE DISPOSAL

Waste Common Name: SITE INVESTIGATION SOIL, WTS#34650 (KSW)

Section 1 - Generator & Customer Information

Generator EPA ID # NY7-890-108-973

Generator US ARMY CORPS OF ENGINEERS

Facility Address NFSS, 1397 PLETCHER ROAD

City LEWISTON State NY Zip 14092

24-hour Emergency Response Number () - _____

Mailing Address ATTN: HAROLD LEGGETT
1776 NIAGARA STREET

City BUFFALO State NY Zip 14207

Generator Contact [REDACTED]

Title CONTRACTING OFC. REP

Phone (716) 879-4289 Fax (716) 879-4356

E-mail [REDACTED]@USACE.ARMY.MIL

Internal Use Only: EQ Division _____

EQ Customer No. 583

Invoicing Company WASTE TECHNOLOGY SERVICES

Address 435 NORTH 2ND STREET

City LEWISTON State NY Zip 14092

Country USA

Invoicing Contact ACCOUNTS PAYABLE

Phone (716) 754-5400 Fax (716) 754-8001

Technical Contact [REDACTED]

Phone (716) 754-5400 Fax (716) 754-8001

Cell Phone (716) 870-6760

E-mail [REDACTED]@WTSONLINE.COM

Section 2 - Shipping & Packaging Information

2.1) Shipping Volume & Frequency:

a) Volume of Waste to be Shipped: 23 DM55

b) Frequency: One Time Month Quarter Year Other _____

2.2) DOT Information

a) Is this a U.S. Department of Transportation (USDOT) Hazardous Material? Yes No

b) If "Yes", indicate the proper shipping name per 49 CFR 172.101 Hazardous Materials Table:
NON-REGULATED MATERIAL (SITE INVESTIGATION SOIL), NR

Section 3 - Special Properties

3.1) Color BLACK/BROWN

3.2) Odor None Ammonia Amines Mercaptans Sulfur Organic Acid Amines/Ammonia
 Other: _____

3.3) Consistency at 70 °F: Solid Dust/Powder Debris Sludge Liquid Gas/Aerosol Varies

3.4) What is the pH? ≤2 2.1-4.9 5-10 10.1-12.4 ≥12.5 N/A

3.5) What is the flash point? <90° F 90-139° F 140-199° F ≥200° F N/A

3.6) Does this waste exhibit any of the following properties? **(check all that apply)**

<input checked="" type="checkbox"/> None	<input type="checkbox"/> Free Liquids	<input type="checkbox"/> Metal Fines	<input type="checkbox"/> Water Reactive	<input type="checkbox"/> Biohazard
<input type="checkbox"/> Shock Sensitive	<input type="checkbox"/> Oily Residue	<input type="checkbox"/> Dioxins	<input type="checkbox"/> Furans	<input type="checkbox"/> Aluminum
<input type="checkbox"/> Asbestos -non- friable	<input type="checkbox"/> Asbestos - friable	<input type="checkbox"/> Other Radioactive	<input type="checkbox"/> Air Reactive	<input type="checkbox"/> Isocyanates
<input type="checkbox"/> Biodegradable Sorbents	<input type="checkbox"/> Pyrophoric	<input type="checkbox"/> Reactive Sulfide	<input type="checkbox"/> Reactive Cyanide	<input type="checkbox"/> Explosives
<input type="checkbox"/> Temperature Controlled Organic Peroxide	<input type="checkbox"/> NORM	<input type="checkbox"/> TENORM		

Section 4 - Composition and Generating Process

4.1) Provide a physical and chemical composition of the waste (e.g. soil, water, PPE, debris, etc.). List the percent ranges of the material, either estimated or known.

DEBRIS, SMALL STONES _____ 0. to _____ 1. %
SITE INVESTIGATION SOIL _____ 99. to _____ 100. %

4.2) Provide a description of the generating process. *Remediation & IDW Sites: please provide a site history.*

INVESTIGATION OF PROPERTY. UNIMPORTANT QUANTITY OF SOURCE MATERIAL. PLEASE SEE ATTACHED ADDENDUM FOR SITE HISTORY.

4.3) Are there any known previous handling or treatment issues involving this waste? Yes* No

*If yes, describe: _____

Section 5 - Hazardous Wastes

As determined by 40 CFR, Part 261 and State Rules:

Please list applicable waste code(s):

5.1) Is this waste exempted from RCRA? Yes No

If Yes, please provide exemption: _____

5.2) Is this an EPA RCRA listed hazardous waste (F, K, P or U)? Yes No

a) For F006-F009, F012, does this come from a generator that conducts a cyanide plating process? Yes No

5.3) Is this an EPA RCRA characteristic hazardous waste (D001-D043)? Yes No

5.4) Do any State Specific Hazardous Waste Codes apply? Yes No

If you answered 'no' to 5.2, 5.3 and 5.4, please proceed to Section 6.

5.5) EPA Source Code: _____ EPA Form Code: _____

5.6) Waste Code Determination Is Based On: Generator Knowledge Analysis MSDS

Analysis and/or MSDS may be required for review and approval for hazardous and non-hazardous waste streams.

5.7) Does this waste exceed Land Disposal Restriction levels? Yes No

a) Is this stream a wastewater (WW) or non-wastewater (NWW)? WW NWW

b) If this waste stream is greater than 50% soil, does it meet the alternative soil treatment standards of 40 CFR 268.49? Yes No

c) Does this waste contain greater than 50% debris, by volume? Yes No
(Debris is greater than 2.5 inches in size.)

d) If the debris is larger than 3 ft x 3 ft x 3 ft, please provide the approximate dimensions and weight:

5.8) If this is a characteristic hazardous waste, does it contain Underlying Hazardous Constituents? Yes* No

*If Yes, please list: _____

For a complete list of UHC constituents, please refer to 40 CFR 268.48

Section 6 - Non-Hazardous Wastes

Please list applicable waste code(s):

6.1) Do any State Specific Non-Hazardous Waste Codes apply? Yes No

6.2) Is this a Universal (UNIV) waste or a Recyclable Good (RG)? UNIV RG N/A

6.3) Is this waste used oil as defined by 40 CFR Part 279? Yes No

a) If yes, is the total halogen content of the used oil waste stream greater than 1,000 ppm? Yes No

b) If yes, what is the source of the halogen content?

This is a metalworking oil/fluid containing chlorinated paraffins.

This is a used oil contaminated with chlorofluorocarbons from refrigeration units.

This oil contains halogenated solvents. List specific solvents: _____

Other, describe: _____

Section 7 - TSCA Information

- 7.1) What is the concentration of PCBs in the waste? None 0-49 ppm 50-499 ppm 500+ ppm
- 7.2) Does the waste contain PCB contamination from a source with a concentration \geq 50 ppm? Yes No Unknown
If you answered "none" or '0-49 ppm' to 7.1 and "no" to 7.2, please proceed to Section 8.
- 7.3) Has this waste been processed into a non-liquid form? Yes* No
 *If yes, what was the concentration of PCBs prior to processing? 0-499 ppm 500+ ppm
- 7.4) Is this non-liquid PCB waste in the form of soil, rags, debris, or other contaminated media? Yes No
- 7.5) Are you a PCB capacitor manufacturer or a PCB equipment manufacturer? Yes No
- 7.6) Has the PCB Article (e.g., transformer, hydraulic machine, PCB-contaminated electrical equipment) been drained/flushed of all PCBs and decontaminated in accordance with 40 CFR 761.60(b)? Yes No N/A

Section 8 - Clean Air Act Information

- 8.1) Is this waste subject to regulation under 40 CFR, Part 264, Subpart CC (VOC > 500 ppmw)? Yes No
- 8.2) Is this waste subject to regulation under 40 CFR, Part 63, Subpart DD (VOHAP > 500 ppmw)? Yes No
- 8.3) Is the site, or waste, subject to any other NESHAP/MACT standard(s)? Yes* No
 *If Yes this document serves as notification that this waste contains chemicals required to be managed in accordance with Part 61 62 63 Subpart _____ of NESHAP/MACT standards.
- 8.4) Does this waste stream contain Benzene? Yes No
If you answered "no" to 8.4, please proceed to Section 9.
- 8.5) Does the waste stream come from a facility subject to 40 CFR 61, Subpart FF (Benzene NESHAP)? Yes No
 If Yes, please provide the SIC/NAICS code: _____
If you answered "no" to 8.5, please proceed to Section 9.
- 8.6) Does your facility manage the waste subject to Benzene NESHAP in a manner other than shipping off-site? Yes No
 If Yes, please specify: _____
- 8.7) Is the generating source of this waste a facility with Total Annual Benzene (TAB) \geq 10 Mg/year? Yes No
- 8.8) Does the waste contain >10% water? Yes No
- 8.9) What is the TAB quantity for your facility? _____ Mg/year
- 8.10) What is the total Benzene concentration in your waste? _____ Percent or _____ ppmw.

Supporting analysis must be attached. Do not use TCLP analytical results. Acceptable laboratory methods include 8020, 8240, 8260, 602 and 624.

Section 9 - Certification

I certify that all information (including attachments) is complete and factual and is an accurate representation of the known and suspected hazards, pertaining to the waste described herein. I authorize EQ's personnel to add supplemental information to the waste approval file, provided I am contacted and give verbal permission. I authorize EQ's personnel to obtain a sample from any waste shipment for purposes of verification and confirmation. I agree that, if EQ approves the waste described herein, all such wastes that are transported, delivered, or tendered to EQ by Generator or on Generator's behalf shall be subject to, and Generator shall be bound by, the attached Standard Terms and Conditions.

On Behalf of USACE

Generator Signature _____ Printed Name _____

Company US Army Corps of Engineers Title Health Physicist Date 5/17/13

The generator's signature MUST appear on the EQ Waste Profile Form. If the generator has authorized a third party to certify this document, a written notice must accompany this submittal.

STANDARD TERMS AND CONDITIONS

The Agreement between the Customer and EQ - The Environmental Quality Company and/or its member companies (hereinafter "EQ") related to or associated with Delivered Waste, as herein defined, shall be governed by the following Standard Terms and Conditions in addition to the terms and conditions contained in any Waste Profile Form, Customer Approval Quote Confirmation, Generator Approval Notification, Notice of Waste Approval Expiration, and/or Credit Agreement associated with such Delivered Waste.

The Customer may use its standard forms (such as purchase orders, acknowledgments of orders, and invoices) to administer its dealings under this Agreement for convenience purposes, but all provisions thereof in conflict with these terms and conditions shall be deemed stricken.

Definitions

"Acceptable Waste" shall mean any hazardous waste, as defined under applicable State or federal law, determined by EQ as acceptable for treatment and/or disposal in accordance with this Agreement.

"Delivered Wastes" shall mean all wastes (i) which are transported, delivered, or tendered to EQ by the Customer; (ii) which the Customer has arranged for the transport, delivery or tender to EQ; or (iii) which are transported, delivered, or tendered to EQ under a Credit Agreement between the Customer and EQ.

"Non-Conforming Wastes" shall mean wastes that (a) are not in accordance in all material respects with the warranties, descriptions, specifications or limitations stated in the Waste Characterization Report and this Agreement; (b) have constituents or components of a type or concentration not specifically identified in the Waste Characterization Report (i) which increase the nature or extent of the hazard and risk undertaken by EQ in treating and/or disposing of the waste, or (ii) for whose treatment and/or disposal a Waste Management Facility is not designed or permitted, or (iii) which increase the cost of treatment and/or disposal of waste beyond that specified in EQ's price quote; or (c) are not properly packaged, labeled, described, or placarded, or otherwise not in compliance with United States Department of Transportation and United States Environmental Protection Agency regulations.

Control of Operations.

EQ shall have sole control over all aspects of the operation of any treatment and/or disposal facility of EQ receiving Delivered Wastes under this Agreement (hereinafter, "Waste Management Facility"), including, without limitation, maintaining EQ's desired volume of Acceptable Wastes being delivered to any Waste Management Facility by the Customer or any other person or entity.

Identification of Waste.

For each waste material to be transported, delivered, or tendered to EQ under this Agreement, the Customer shall provide, or cause to be provided, to EQ a representative sample of the waste material and a completed Waste Characterization Report containing a physical and chemical description or analysis of such waste material, which description shall conform with any and all guidelines for waste acceptance provided by EQ. On the basis of EQ's analysis of such representative sample of the waste material and such Waste Characterization Report, EQ will determine whether such wastes are Acceptable Wastes. EQ does not make any guarantee that it will handle any waste material or any particular quantity or type of waste material, and EQ reserves the right to the decline to transport, treat and/or dispose of waste material. The Customer shall promptly furnish to EQ any information regarding known, suspected or planned changes in the composition of the waste material. Further, the Customer shall promptly inform EQ of any change in the characteristic or condition of the waste material which becomes known to the Customer subsequent to the date of the Waste Characterization Report.

Non-Conforming Wastes.

In the event that EQ at any time discovers that any Delivered Waste is Non-Conforming Waste, EQ may reject or revoke its acceptance of the Non-Conforming Waste. The Customer shall have seven (7) days to direct an alternative lawful manner of disposition of the waste, unless it is necessary by reason of law or otherwise to move the Non-Conforming Waste prior to expiration of the seven (7) day period. If the Customer does not direct an alternative disposal, at its option, EQ may return any such Non-Conforming Wastes to the Customer, and the Customer shall pay or reimburse EQ for all costs and expenses incurred by EQ in connection with the receipt, handling, sampling, analyses, transportation and return to the Customer of such Non-Conforming Wastes. If it is impossible or impractical for EQ to return the Non-Conforming Waste to the Customer, the Customer shall reimburse EQ for all costs, of any type or nature whatsoever, incurred by EQ, solely because such Delivered Waste was Non-Conforming Waste (including, but not limited to, all costs associated with any remedial steps necessary, due to the nature of the Non-Conforming Waste, in connection with material with which the Non-Conforming Waste may have been commingled and all expenses and charges for analyzing, handling, locating, preparing for transporting, storing and disposing of any Non-Conforming Waste).

Customer Warranty - Acceptable Wastes.

All Delivered Wastes shall be Acceptable Wastes and shall conform in all material respects to the description and specifications contained in the Waste Characterization Report. The information set forth in the Waste Characterization Report or any manifest, placard or label associated with any Delivered Wastes, or otherwise represented by the Customer or the generator (if other than the Customer) to EQ, is and shall be true, accurate and complete as of the date of receipt of the involved waste by EQ.

Customer Warranty - Title to Wastes.

Either the Customer or the generator (if other than the Customer) shall hold clear title, free of any all liens, claims, encumbrances, and charges to Delivered Waste until such waste is accepted by EQ.

Customer Warranty - Compliance with Laws.

The Customer shall comply with all applicable federal, state and local environmental statutes, regulations, and other governmental requirements, as well as directives issued by EQ from time to time, governing the transportation, treatment and/or disposal of Acceptable Wastes, including, but not limited to, all packaging, manifesting, containerization, placarding and labeling requirements.

Customer Warranty - Updating Information.

If the Customer receives information that Delivered Waste or other hazardous waste described in the Waste Characterization Report, or some component of such waste, presents or may present a hazard or risk to persons, property or the environment which was not disclosed to EQ, or if the Customer or generator (if other than the Customer) has changed the process by which such waste results, the Customer shall promptly report such information to EQ in writing.

Customer Indemnity.

The Customer shall indemnify, defend and hold harmless EQ, and its affiliated or related companies, and all of their respective present or future officers, directors, shareholders, employees and agents from and against any and all losses, damages, liabilities, penalties, fines, forfeitures, demands, claims, causes of action, suits, costs and expenses (including, but not limited to, reasonable costs of defense, settlement, and reasonable attorneys' fees), which may be asserted against any or all of them by any person or any governmental agency, or which any or all of them may hereafter suffer, incur, be responsible for or pay out, as a result of or in connection with bodily injuries (including, but not limited to, death, sickness, disease and emotional or mental distress) to any person (including EQ's employees), damage (including, but not limited to, loss of use) to any property (public or private), or any requirements to conduct or incur expense for investigative, removal or remedial expenses in connection with contamination of or adverse effect on the environment, or any violation or alleged violation of any statutes, ordinances, orders, rules or regulations of any governmental entity or agency, caused or arising out of (i) a breach of this Agreement by the Customer, (ii) the failure of any warranty of the Customer to be true, accurate and complete, or (iii) any willful or negligent act or omission of the Customer, or its employees or agents in connection with the performance of this Agreement.

Force Majeure.

EQ shall not be liable for any failure to accept, receive, handle, treat, and/or dispose of Delivered Waste due to an act of God, fire, casualty, flood, war, strike, lockout, labor trouble, failure of public utilities, equipment failure, facility shutdown, injunction, accident, epidemic, riot, insurrection, destruction of operation or transportation facilities, the inability to procure materials, equipment, or sufficient personnel or energy in order to meet operational needs without the necessity of allocation, the failure or inability to obtain any governmental approvals or to meet Environmental Requirements (including, but not limited to voluntary or involuntary compliance with any act, exercise, assertion, or requirement of any governmental authority) which may temporarily or permanently prohibit operations of EQ, the Customer, or the Generator, or any other circumstances beyond the control of EQ which prevents or delays performance of any of its obligations under this Agreement.

Governing Laws

This Agreement shall in all respects be governed by and shall be construed in accordance with the laws of the State of Michigan applied to contracts executed and performed wholly within such state.

Bulk Disposal Charges

Quoted bulk disposal charges for solid materials will be billed by the cubic yard, if the waste density is less than 2,000lbs./cubic yard. If waste density is greater than 2,000 lbs./cubic yard, then bulk disposal charges will be billed by the ton, regardless of the approved container.



NORM / TENORM / EXEMPTED WASTE ADDENDUM

Generator Information

EPA ID No.: NY7890108973
Generator Name: US ARMY CORPS OF ENGINEERS Site Name: NIAGARA FALLS STORAGE SITE
Address: 1776 NIAGARA STREET Address: 1397 PLETCHER ROAD
City, State, Zip: BUFFALO, NY 14207 City, State, Zip: LEWISTON, NY

SITE INVESTIGATION SOIL, WTS#34650 (KSW)

Waste Information

- 1. Does this waste contain NORM (Naturally Occurring Radioactive Material)? Yes No
- 2. Does this waste contain TENORM (Technologically Enhanced NORM)? Yes No
- 3. Does this waste contain Material Exempted from Disposal Restrictions? Yes No
- 4. Is this waste being generated at a facility that has, or formerly held a U.S. Nuclear Regulatory Commission or Agreement State license? Yes No

The waste is to be disposed of at:

- Wayne Disposal Site #2 Landfill 49350 North I-94 Service Drive Belleville, MI 48111
- Michigan Disposal Waste Treatment Plant 49350 North I-94 Service Drive Belleville, MI 48111

Please describe the process generating the waste: INVESTIGATION OF PROPERTY. UNIMPORTANT QUANTITY OF SOURCE MATERIAL.

The estimated volume of waste to be disposed of is:

- _____ Tons _____ Cubic Yards 23 Drums
- _____ Gallons Other, please specify: _____

The material is proposed to ship on the following dates: On or before 04/30/2013

Generator Certification

I certify that the concentration of Radium-226 in the waste does not exceed 50 picocuries per gram, averaged over any single shipment. I also understand that the proposed shipments are subject to independent confirmation testing by the Michigan Department of Environmental Quality.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision according to a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature _____ Date _____
Printed Name _____ Company _____

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SITE INVESTIGATION SOIL
WTS#34650

Isotope	Reported Activity	Specific Activity	Calculated Mass	Calculated Mass
	(pCi/g _{waste})	(Ci/g _{isotope})	(g _{isotope} /g _{waste})	(ppm isotope/waste)
Thorium 228	20.7	8.30E+02	2.49E-14	0.00
Thorium 230	3.428	1.90E-02	1.80E-10	0.00
Thorium 232	20.26	1.10E-07	1.84E-04	184.18
Thorium 234		2.30E+04	0.00E+00	0.00
Uranium 234	2.397	6.20E-03	3.87E-10	0.00
Uranium 235	0.1254	2.10E-06	5.97E-08	0.06
Uranium 238	2.321	3.30E-07	7.03E-06	7.03
Total			1.91E-04	191.28

**TASK 6: SOLID IDW ANALYTICAL RESULTS
 NIAGARA FALLS STORAGE SITE
 LEWISTON, NEW YORK**

Location ID		IDW	IDW	IDW	IDW	IDW
Sample ID		COOLER	MW944-945	MW946-949	MW950, 951,956-960	MW952-955
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		-	-	-	-	-
Date Sampled		12/19/12	12/19/12	12/19/12	12/19/12	12/19/12
Parameter	Units					
Volatile Organic Compounds						
1,1,1,2-Tetrachloroethane	UG/KG	28 U	5.9 U	6 U	6 U	6.3 U
1,1,1-Trichloroethane	UG/KG	28 U	5.9 U	6 U	6 U	6.3 U
1,1,2,2-Tetrachloroethane	UG/KG	28 U	5.9 U	6 U	6 U	6.3 U
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/KG	28 U	5.9 U	6 U	6 U	6.3 U
1,1,2-Trichloroethane	UG/KG	28 U	5.9 U	6 U	6 U	6.3 U
1,1-Dichloroethane	UG/KG	28 U	5.9 U	6 U	6 U	6.3 U
1,1-Dichloroethene	UG/KG	28 U	5.9 U	6 U	6 U	6.3 U
1,1-Dichloropropene	UG/KG	28 U	5.9 U	6 U	6 U	6.3 U
1,2,3-Trichlorobenzene	UG/KG	28 U	5.9 U	6 U	6 U	6.3 U
1,2,3-Trichloropropane	UG/KG	28 U	5.9 U	6 U	6 U	6.3 U
1,2,4-Trichlorobenzene	UG/KG	28 U	5.9 U	6 U	6 U	6.3 U
1,2,4-Trimethylbenzene	UG/KG	15,000	5.9 U	6 U	6 U	6.3 U
1,2-Dibromo-3-chloropropane	UG/KG	56 U	12 U	12 U	12 U	13 U
1,2-Dibromoethane (Ethylene dibromide)	UG/KG	28 U	5.9 U	6 U	6 U	6.3 U
1,2-Dichlorobenzene	UG/KG	28 U	5.9 U	6 U	6 U	6.3 U
1,2-Dichloroethane	UG/KG	28 U	5.9 U	6 U	6 U	6.3 U
1,2-Dichloroethene (cis)	UG/KG	28 U	5.9 U	6 U	6 U	6.3 U
1,2-Dichloroethene (total)	UG/KG	56 U	12 U	12 U	12 U	13 U
1,2-Dichloroethene (trans)	UG/KG	28 U	5.9 U	6 U	6 U	6.3 U
1,2-Dichloropropane	UG/KG	28 U	5.9 U	6 U	6 U	6.3 U
1,3,5-Trimethylbenzene (Mesitylene)	UG/KG	2,900	5.9 U	6 U	6 U	6.3 U
1,3-Dichlorobenzene	UG/KG	28 U	5.9 U	6 U	6 U	6.3 U

Flags assigned during chemistry validation are shown.

U - Not detected above the reported quantitation limit.

J - The reported concentration is an estimated value.

R - The data is rejected.

Made By_PRF 03/19/13_

Detection Limits shown are PQL

Advanced Selection: matrix=so, IDW
 I:\1176781\IDWProgram\EDMS_dev.nidf
 Printed: 3/19/2013 2:14:27 PM
 [MATRIX] = 'SO' AND [LOCID] LIKE 'IDW'

TASK 6: SOLID IDW ANALYTICAL RESULTS
NIAGARA FALLS STORAGE SITE
LEWISTON, NEW YORK

Location ID		IDW	IDW	IDW	IDW	IDW
Sample ID		COOLER	MW944-945	MW946-949	MW950, 951,956-960	MW952-955
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		-	-	-	-	-
Date Sampled		12/19/12	12/19/12	12/19/12	12/19/12	12/19/12
Parameter	Units					
Volatile Organic Compounds						
1,3-Dichloropropane	UG/KG	28 U	5.9 U	6 U	6 U	6.3 U
1,3-Dichloropropene (cis)	UG/KG	28 U	5.9 U	6 U	6 U	6.3 U
1,3-Dichloropropene (trans)	UG/KG	28 U	5.9 U	6 U	6 U	6.3 U
1,4-Dichloro-2-butene (trans)	UG/KG	56 U	12 U	12 U	12 U	13 U
1,4-Dichlorobenzene	UG/KG	28 U	5.9 U	6 U	6 U	6.3 U
1,4-Dioxane	UG/KG	2,200 U	470 U	480 U	480 U	500 U
2,2-Dichloropropane	UG/KG	28 U	5.9 U	6 U	6 U	6.3 U
2-Chlorotoluene	UG/KG	28 U	5.9 U	6 U	6 U	6.3 U
2-Chloro-1,3-butadiene	UG/KG	28 U	5.9 U	6 U	6 U	6.3 U
2-Hexanone	UG/KG	110 U	24 U	24 U	24 U	25 U
2-Nitropropane	UG/KG	56 U	12 U	12 U	12 U	13 U
4-Chlorotoluene	UG/KG	28 U	5.9 U	6 U	6 U	6.3 U
4-Isopropyltoluene (p-Cymene)	UG/KG	1,500	5.9 U	6 U	6 U	6.3 U
4-Methyl-2-pentanone	UG/KG	110 U	24 U	24 U	24 U	25 U
Acetone	UG/KG	160	24 U	1,600	24 U	8.5 J
Benzene	UG/KG	28 U	5.9 U	6 U	6 U	6.3 U
Bromobenzene	UG/KG	28 U	5.9 U	6 U	6 U	6.3 U
Bromochloromethane	UG/KG	28 U	5.9 U	6 U	6 U	6.3 U
Bromodichloromethane	UG/KG	28 U	5.9 U	6 U	6 U	6.3 U
Bromoform	UG/KG	28 U	5.9 U	6 U	6 U	6.3 U
Bromomethane	UG/KG	56 U	12 U	12 U	12 U	13 U
Carbon disulfide	UG/KG	28 U	5.9 U	6 U	1.7 J	6.3 U

Flags assigned during chemistry validation are shown.

U - Not detected above the reported quantitation limit.

J - The reported concentration is an estimated value.

R - The data is rejected.

Made By_PRF 03/19/13_

Detection Limits shown are PQL

TASK 6: SOLID IDW ANALYTICAL RESULTS
NIAGARA FALLS STORAGE SITE
LEWISTON, NEW YORK

Location ID		IDW	IDW	IDW	IDW	IDW
Sample ID		COOLER	MW944-945	MW946-949	MW950, 951,956-960	MW952-955
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		-	-	-	-	-
Date Sampled		12/19/12	12/19/12	12/19/12	12/19/12	12/19/12
Parameter	Units					
Volatile Organic Compounds						
Carbon tetrachloride	UG/KG	28 U	5.9 U	6 U	6 U	6.3 U
Chlorobenzene	UG/KG	28 U	5.9 U	6 U	6 U	6.3 U
Chloroethane	UG/KG	56 U	12 U	12 U	12 U	13 U
Chloroform	UG/KG	6.8 J	5.9 U	6 U	6 U	6.3 U
Chloromethane	UG/KG	56 U	12 U	12 U	12 U	13 U
Cyclohexane	UG/KG	7.1 J	12 U	12 U	12 U	13 U
Cyclohexanone	UG/KG	560 U	120 U	120 U	120 U	130 U
Dibromochloromethane	UG/KG	28 U	5.9 U	6 U	6 U	6.3 U
Dibromomethane	UG/KG	28 U	5.9 U	6 U	6 U	6.3 U
Dichlorodifluoromethane	UG/KG	56 U	12 U	12 U	12 U	13 U
Ethylbenzene	UG/KG	110	5.9 U	6 U	6 U	0.46 J
Ethyl methacrylate	UG/KG	28 U	5.9 U	6 U	6 U	6.3 U
Hexachlorobutadiene	UG/KG	28 U	5.9 U	6 U	6 U	6.3 U
Hexane	UG/KG	56 U	12 U	12 U	12 U	13 U
Isopropylbenzene (Cumene)	UG/KG	560 U	5.9 U	6 U	6 U	6.3 U
Methyl acetate	UG/KG	56 U	12 U	12 U	12 U	13 U
Methyl ethyl ketone (2-Butanone)	UG/KG	28 J	24 U	24 U	24 U	25 U
Methyl tert-butyl ether	UG/KG	28 U	5.9 U	6 U	6 U	6.3 U
Methylcyclohexane	UG/KG	5 J	12 U	12 U	12 U	13 U
Methylene chloride	UG/KG	56 U	12 U	12 U	12 U	13 U
Methyl methacrylate	UG/KG	28 U	5.9 U	6 U	6 U	6.3 U
Naphthalene	UG/KG	11,000	5.9 U	6 U	6 U	6.3 U

Flags assigned during chemistry validation are shown.

U - Not detected above the reported quantitation limit.

J - The reported concentration is an estimated value.

R - The data is rejected.

Made By_PRF 03/19/13_

Detection Limits shown are PQL

Advanced Selection: matrix=so, IDW
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 [MATRIX] = 'SO' AND [LOCID] LIKE 'IDW'

**TASK 6: SOLID IDW ANALYTICAL RESULTS
 NIAGARA FALLS STORAGE SITE
 LEWISTON, NEW YORK**

Location ID		IDW	IDW	IDW	IDW	IDW
Sample ID		COOLER	MW944-945	MW946-949	MW950, 951,956-960	MW952-955
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		-	-	-	-	-
Date Sampled		12/19/12	12/19/12	12/19/12	12/19/12	12/19/12
Parameter	Units					
Volatile Organic Compounds						
n-Butylbenzene	UG/KG	3,400	5.9 U	6 U	6 U	6.3 U
n-Propylbenzene	UG/KG	1,400	5.9 U	6 U	6 U	6.3 U
sec-Butylbenzene	UG/KG	1,300	5.9 U	6 U	6 U	6.3 U
Styrene	UG/KG	12 J	5.9 U	6 U	6 U	6.3 U
tert-Butylbenzene	UG/KG	28 U	5.9 U	6 U	6 U	6.3 U
Tetrachloroethene	UG/KG	16 J	0.76 J	6 U	6 U	6.3 U
Tetrahydrofuran	UG/KG	140 U	29 U	30 U	30 U	31 U
Toluene	UG/KG	11 J	5.9 U	2.1 J	2.2 J	6.3 U
Trichloroethene	UG/KG	28 U	5.9 U	6 U	6 U	6.3 U
Trichlorofluoromethane	UG/KG	28 U	5.9 U	6 U	6 U	6.3 U
Vinyl acetate	UG/KG	28 U	5.9 U	6 U	6 U	6.3 U
Vinyl chloride	UG/KG	56 U	12 U	12 U	12 U	13 U
Xylene (total)	UG/KG	500	12 U	12 U	12 U	2.7 J
Semivolatile Organic Compounds						
1,1-Biphenyl	UG/KG	300 J	390 U	390 U	390 U	410 U
1,2,4-Trichlorobenzene	UG/KG	370 U	390 U	390 U	390 U	410 U
1,2-Dichlorobenzene	UG/KG	370 U	390 U	390 U	390 U	410 U
1,3-Dichlorobenzene	UG/KG	370 U	390 U	390 U	390 U	410 U
1,4-Dichlorobenzene	UG/KG	370 U	390 U	390 U	390 U	410 U
1,4-Dioxane	UG/KG	370 U	390 U	390 U	390 U	410 U
2,2'-oxybis(1-Chloropropane)	UG/KG	370 U	390 U	390 U	390 U	410 U
2,4,5-Trichlorophenol	UG/KG	34,000	390 U	390 U	390 U	410 U

Flags assigned during chemistry validation are shown.

U - Not detected above the reported quantitation limit.

J - The reported concentration is an estimated value.

R - The data is rejected.

Made By_PRF 03/19/13_

Detection Limits shown are PQL

Advanced Selection: matrix-49_IDW
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 [MATRIX] > 'SO' AND [LOCID] LIKE 'IDW'

TASK 6: SOLID IDW ANALYTICAL RESULTS
NIAGARA FALLS STORAGE SITE
LEWISTON, NEW YORK

Location ID		IDW	IDW	IDW	IDW	IDW
Sample ID		COOLER	MW944-945	MW946-949	MW950, 951,956-960	MW952-955
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		-	-	-	-	-
Date Sampled		12/19/12	12/19/12	12/19/12	12/19/12	12/19/12
Parameter	Units					
Semivolatile Organic Compounds						
2,4,6-Trichlorophenol	UG/KG	370 U	390 U	390 U	390 U	410 U
2,4-Dichlorophenol	UG/KG	370 U	390 U	390 U	390 U	410 U
2,4-Dimethylphenol	UG/KG	370 U	390 U	390 U	390 U	410 U
2,4-Dinitrophenol	UG/KG	1,800 U	1,900 U	1,900 U	1,900 U	2,000 U
2,4-Dinitrotoluene	UG/KG	370 U	390 U	390 U	390 U	410 U
2,6-Dinitrotoluene	UG/KG	370 U	390 U	390 U	390 U	410 U
2-Chloronaphthalene	UG/KG	1,700	390 U	390 U	390 U	410 U
2-Chlorophenol	UG/KG	370 U	390 U	390 U	390 U	410 U
2-Methylnaphthalene	UG/KG	3,700	390 U	390 U	390 U	410 U
2-Methylphenol (o-cresol)	UG/KG	370 U	390 U	390 U	390 U	410 U
2-Nitroaniline	UG/KG	1,800 U	1,900 U	1,900 U	1,900 U	2,000 U
2-Nitrophenol	UG/KG	370 U	390 U	390 U	390 U	410 U
3&4-Methylphenol	UG/KG	730 U	770 U	790 U	780 U	820 U
3,3'-Dichlorobenzidine	UG/KG	1,800 U	1,900 U	1,900 U	1,900 U	2,000 U
3-Nitroaniline	UG/KG	1,800 U	1,900 U	1,900 U	1,900 U	2,000 U
4,6-Dinitro-2-methylphenol	UG/KG	1,800 U	1,900 U	1,900 U	1,900 U	2,000 U
4-Bromophenyl-phenylether	UG/KG	370 U	390 U	390 U	390 U	410 U
4-Chloro-3-methylphenol	UG/KG	370 U	390 U	390 U	390 U	410 U
4-Chloroaniline	UG/KG	370 U	390 U	390 U	390 U	410 U
4-Chlorophenyl-phenylether	UG/KG	370 U	390 U	390 U	390 U	410 U
4-Nitroaniline	UG/KG	1,800 U	1,900 U	1,900 U	1,900 U	2,000 U
4-Nitrophenol	UG/KG	1,800 U	1,900 U	1,900 U	1,900 U	2,000 U

Flags assigned during chemistry validation are shown.

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R - The data is rejected.

Made By_PRF 03/19/13_

Detection Limits shown are PQL

Advanced Selection: matrix=so, IDW
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[MATRIX] = 'SO' AND [LOCID] LIKE 'IDW'

**TASK 6: SOLID IDW ANALYTICAL RESULTS
 NIAGARA FALLS STORAGE SITE
 LEWISTON, NEW YORK**

Location ID		IDW	IDW	IDW	IDW	IDW
Sample ID		COOLER	MW944-945	MW946-949	MW950, 951,956-960	MW952-955
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		-	-	-	-	-
Date Sampled		12/19/12	12/19/12	12/19/12	12/19/12	12/19/12
Parameter	Units					
Semivolatile Organic Compounds						
Acenaphthene	UG/KG	370 U	390 U	390 U	390 U	410 U
Acenaphthylene	UG/KG	370 U	390 U	390 U	390 U	410 U
Acetophenone	UG/KG	370 U	390 U	390 U	390 U	410 U
Aniline	UG/KG	370 U	390 U	390 U	390 U	410 U
Anthracene	UG/KG	370 U	390 U	390 U	390 U	410 U
Atrazine	UG/KG	370 U	390 U	390 U	390 U	410 U
Benzaldehyde	UG/KG	600	390 U	390 U	390 U	410 U
Benzo(a)anthracene	UG/KG	370 U	390 U	390 U	390 U	410 U
Benzo(a)pyrene	UG/KG	410	390 U	390 U	390 U	410 U
Benzo(b)fluoranthene	UG/KG	350 J	390 U	390 U	390 U	410 U
Benzo(g,h,i)perylene	UG/KG	840	390 U	390 U	390 U	410 U
Benzo(k)fluoranthene	UG/KG	94 J	390 U	390 U	390 U	410 U
Benzyl alcohol	UG/KG	370 U	390 U	390 U	390 U	410 U
bis(2-Chloroethoxy)methane	UG/KG	370 U	390 U	390 U	390 U	410 U
bis(2-Chloroethyl)ether	UG/KG	370 U	390 U	390 U	390 U	410 U
bis(2-Ethylhexyl)phthalate	UG/KG	14,000	81 J	130 J	90 J	410 U
Butylbenzylphthalate	UG/KG	370 U	390 U	390 U	390 U	410 U
Caprolactam	UG/KG	370 U	390 U	390 U	390 U	410 U
Carbazole	UG/KG	370 U	390 U	390 U	390 U	410 U
Chrysene	UG/KG	200 J	390 U	390 U	390 U	410 U
Dibenz(a,h)anthracene	UG/KG	370 U	390 U	390 U	390 U	410 U
Dibenzofuran	UG/KG	370 U	390 U	390 U	390 U	410 U

Flags assigned during chemistry validation are shown.

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R - The data is rejected.

Made By_PRF 03/19/13_

Detection Limits shown are PQL

Advanced Selection: matrix so, IDW
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 [MATRIX] = 'SO' AND [LOCID] LIKE 'IDW'

TASK 6: SOLID IDW ANALYTICAL RESULTS
NIAGARA FALLS STORAGE SITE
LEWISTON, NEW YORK

Location ID		IDW	IDW	IDW	IDW	IDW
Sample ID		COOLER	MW944-945	MW946-949	MW950, 951,956-960	MW952-955
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		-	-	-	-	-
Date Sampled		12/19/12	12/19/12	12/19/12	12/19/12	12/19/12
Parameter	Units					
Semivolatile Organic Compounds						
Diethylphthalate	UG/KG	370 U	390 U	390 U	390 U	410 U
Dimethylphthalate	UG/KG	370 U	390 U	390 U	390 U	410 U
Di-n-butylphthalate	UG/KG	130 J	390 U	390 U	390 U	410 U
Di-n-octylphthalate	UG/KG	370 U	390 U	390 U	390 U	410 U
Fluoranthene	UG/KG	730	390 U	390 U	390 U	410 U
Fluorene	UG/KG	130 J	390 U	390 U	390 U	410 U
Hexachlorobenzene	UG/KG	370 U	390 U	390 U	390 U	410 U
Hexachlorobutadiene	UG/KG	370 U	390 U	390 U	390 U	410 U
Hexachlorocyclopentadiene	UG/KG	1,800 U	1,900 U	1,900 U	1,900 U	2,000 U
Hexachloroethane	UG/KG	370 U	390 U	390 U	390 U	410 U
Indeno(1,2,3-cd)pyrene	UG/KG	540	390 U	390 U	390 U	410 U
Isophorone	UG/KG	370 U	390 U	390 U	390 U	410 U
Naphthalene	UG/KG	5,800	390 U	390 U	390 U	410 U
Nitrobenzene	UG/KG	370 U	390 U	390 U	390 U	410 U
N-Nitrosodimethylamine	UG/KG	370 U	390 U	390 U	390 U	410 U
N-Nitroso-di-n-propylamine	UG/KG	370 U	390 U	390 U	390 U	410 U
N-Nitrosodiphenylamine	UG/KG	370 U	390 U	390 U	390 U	410 U
Pentachlorophenol	UG/KG	1,800 U	1,900 U	1,900 U	1,900 U	2,000 U
Phenanthrene	UG/KG	250 J	390 U	390 U	390 U	410 U
Phenol	UG/KG	370 U	390 U	390 U	390 U	410 U
Pyrene	UG/KG	1,600	390 U	390 U	390 U	410 U
Pyridine	UG/KG	730 U	770 U	790 U	780 U	820 U

Flags assigned during chemistry validation are shown.

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J - The reported concentration is an estimated value.

R - The data is rejected.

Made By_PRF 03/19/13_

Detection Limits shown are PQL

Advanced Selection: malfrts-so_IDW
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 [MATRX] = 'SO' AND [LOCID] LIKE 'IDW'

**TASK 6: SOLID IDW ANALYTICAL RESULTS
 NIAGARA FALLS STORAGE SITE
 LEWISTON, NEW YORK**

Location ID		IDW	IDW	IDW	IDW	IDW
Sample ID		COOLER	MW944-945	MW946-949	MW950, 951,956-960	MW952-955
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		-	-	-	-	-
Date Sampled		12/19/12	12/19/12	12/19/12	12/19/12	12/19/12
Parameter	Units					
Pesticide Organic Compounds						
4,4'-DDD	UG/KG	1.9 U	2 U	2 U	2 U	2.1 U
4,4'-DDE	UG/KG	50	1 J	2 U	2 U	2.1 U
4,4'-DDT	UG/KG	1.9 U	1.9	2 U	1.1 J	2.1 U
Aldrin	UG/KG	1.9 U	2 U	2 U	2 U	2.1 U
alpha-BHC	UG/KG	1.9 U	2 U	2 U	2 U	2.1 U
alpha-Chlordane	UG/KG	1.9 U	2 U	2 U	2 U	2.1 U
beta-BHC	UG/KG	1.9 U	2 U	2 U	2 U	2.1 U
delta-BHC	UG/KG	1.9 U	2 U	2 U	2 U	2.1 U
Dieldrin	UG/KG	1.9 U	2 U	2 U	2 U	2.1 U
Endosulfan I	UG/KG	21	2 U	2 U	2 U	2.1 U
Endosulfan II	UG/KG	1.9 U	2 U	2 U	2 U	2.1 U
Endosulfan sulfate	UG/KG	73	2 U	2 U	2 U	2.1 U
Endrin	UG/KG	1.9 U	2 U	2 U	2 U	2.1 U
Endrin aldehyde	UG/KG	1.9 U	2 U	2 U	2 U	2.1 U
Endrin ketone	UG/KG	1.9 U	2 U	2 U	2 U	2.1 U
gamma-BHC (Lindane)	UG/KG	1.9 U	2 U	2 U	2 U	2.1 U
gamma-Chlordane	UG/KG	1.9 U	2 U	2 U	2 U	2.1 U
Heptachlor	UG/KG	1.9 U	2 U	2 U	2 U	2.1 U
Heptachlor epoxide	UG/KG	1.9 U	2 U	2 U	2 U	2.1 U
Methoxychlor	UG/KG	87	3.9 U	4 U	3.9 U	4.1 U
Technical Chlordane	UG/KG	19 U	20 U	20 U	20 U	21 U
Toxaphene	UG/KG	74 U	79 U	80 U	79 U	83 U

Flags assigned during chemistry validation are shown.

U - Not detected above the reported quantitation limit.

J - The reported concentration is an estimated value.

R - The data is rejected.

Made By_PRF 03/19/13_

Detection Limits shown are PQL

TASK 6: SOLID IDW ANALYTICAL RESULTS
NIAGARA FALLS STORAGE SITE
LEWISTON, NEW YORK

Location ID		IDW	IDW	IDW	IDW	IDW
Sample ID		COOLER	MW944-945	MW946-949	MW950, 951,956-960	MW952-955
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		-	-	-	-	-
Date Sampled		12/19/12	12/19/12	12/19/12	12/19/12	12/19/12
Parameter	Units					
Herbicides						
2,4,5-T	UG/KG	29 U	31 U	31 U	31 U	32 U
2,4,5-TP (Silvex)	UG/KG	33 U	35 U	36 U	35 U	37 U
2,4-D	UG/KG	280 U	290 U	300 U	290 U	310 U
2,4-DB	UG/KG	280 U	290 U	300 U	290 U	310 U
Dalapon	UG/KG	100 U	110 U	110 U	110 U	110 U
Dicamba	UG/KG	44 U	47 U	48 U	47 U	50 U
Dichloroprop	UG/KG	280 U	290 U	300 U	290 U	310 U
Dinoseb	UG/KG	50 U	53 U	54 U	53 U	56 U
MCPA	UG/KG	23,000 U	24,000 U	25,000 U	24,000 U	26,000 U
MCPP	UG/KG	19,000 U	21,000 U	21,000 U	21,000 U	22,000 U
TCLP Metals						
Arsenic	UG/L	5 J	500 U	14 J	10 J	7.5 J
Barium	UG/L	1,700	930	590	540	530
Cadmium	UG/L	23	13 U	13 U	13 U	13 U
Chromium	UG/L	340	25 U	25 U	10 J	10 J
Lead	UG/L	1,500	250 U	16 J	15 J	5.8 J
Mercury	UG/L	0.45 J	R	1.5 U	R	1.5 U
Selenium	UG/L	14 J	500 U	20 J	16 J	10 J
Silver	UG/L	40 U	40 U	40 U	40 U	40 U
Miscellaneous Parameters						
Paint Filter Test	NONE	0 U	0 U	0 U	0 U	0 U

Flags assigned during chemistry validation are shown.

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J - The reported concentration is an estimated value.

R - The data is rejected.

Made By_PRF 03/19/13_

Detection Limits shown are PQL

Advanced Selection: matrix=so, IDW
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 [MATRIX] = 'SO' AND [LOCID] LIKE 'IDW'

**TASK 6: SOLID IDW ANALYTICAL RESULTS
NIAGARA FALLS STORAGE SITE
LEWISTON, NEW YORK**

Location ID		IDW	IDW	IDW	IDW	IDW
Sample ID		COOLER	MW944-945	MW946-949	MW950, 951,956-960	MW952-955
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		-	-	-	-	-
Date Sampled		12/19/12	12/19/12	12/19/12	12/19/12	12/19/12
Parameter	Units					
Radionuclides (Alpha Spec)						
Thorium-228	PCI/G	0.223 ± 0.0677	0.9 ± 0.145	0.896 ± 0.145	0.961 ± 0.157	0.922 ± 0.147
Thorium-230	PCI/G	0.227 ± 0.0677	0.753 ± 0.13	0.826 ± 0.137	0.792 ± 0.139	0.675 ± 0.121
Thorium-232	PCI/G	0.185 ± 0.0604	0.882 ± 0.143	0.837 ± 0.138	0.865 ± 0.147	0.833 ± 0.137
Uranium-234	PCI/G	0.308 ± 0.0752	0.614 ± 0.11	0.605 ± 0.11	0.877 ± 0.151	2.53 ± 0.299
Uranium-235/236	PCI/G	0.0049 U	0.037 ± 0.0273	0.0233 ± 0.0221	0.0414 U	0.133 ± 0.0555
Uranium-238	PCI/G	0.336 ± 0.0782	0.578 ± 0.106	0.667 ± 0.117	0.764 ± 0.139	2.44 ± 0.291
Radionuclides (Gamma Spec)						
Actinium-227	PCI/G	0.0406 U	-0.0196 U	-0.54 U	0.184 U	0.209 U
Cesium-137	PCI/G	-0.0202 U	0.0198 U	-0.0348 U	-0.00098 U	-0.0182 U
Radium-226	PCI/G	0.278 J ± 0.217	1.05 ± 0.232	1 ± 0.235	0.961 ± 0.224	1 ± 0.25
Radium-228	PCI/G	0.114 U	1.09 ± 0.33	1.37 ± 0.359	0.907 ± 0.269	0.77 ± 0.238
Radionuclides (Phosphorescence)						
Uranium, Total	UG/KG	657 ± 78.2	3,410 ± 403	2,210 ± 263	2,560 ± 305	6,220 ± 735

Flags assigned during chemistry validation are shown.

U - Not detected above the reported quantitation limit.

J - The reported concentration is an estimated value.

R - The data is rejected.

Made By_PRF 03/19/13_

Detection Limits shown are PQL

**TASK 6: SOLID IDW ANALYTICAL RESULTS
 NIAGARA FALLS STORAGE SITE
 LEWISTON, NEW YORK**

Location ID		IDW	IDW	IDW
Sample ID		SHELBY5	WC-178	WEC 1-5
Matrix		Soil	Soil	Soil
Depth Interval (ft)		-	-	-
Date Sampled		12/19/12	12/19/12	12/19/12
Parameter	Units			
Volatile Organic Compounds				
1,1,1,2-Tetrachloroethane	UG/KG	5.8 U	5 U	6 U
1,1,1-Trichloroethane	UG/KG	5.8 U	5 U	6 U
1,1,2,2-Tetrachloroethane	UG/KG	5.8 U	5 U	6 U
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/KG	5.8 U	5 U	6 U
1,1,2-Trichloroethane	UG/KG	5.8 U	5 U	6 U
1,1-Dichloroethane	UG/KG	5.8 U	5 U	6 U
1,1-Dichloroethene	UG/KG	5.8 U	5 U	6 U
1,1-Dichloropropene	UG/KG	5.8 U	5 U	6 U
1,2,3-Trichlorobenzene	UG/KG	5.8 U	5 U	6 U
1,2,3-Trichloropropane	UG/KG	5.8 U	5 U	6 U
1,2,4-Trichlorobenzene	UG/KG	5.8 U	5 U	6 U
1,2,4-Trimethylbenzene	UG/KG	5.8 U	2.8 J	6 U
1,2-Dibromo-3-chloropropane	UG/KG	12 U	10 U	12 U
1,2-Dibromoethane (Ethylene dibromide)	UG/KG	5.8 U	5 U	6 U
1,2-Dichlorobenzene	UG/KG	5.8 U	5 U	6 U
1,2-Dichloroethane	UG/KG	5.8 U	5 U	6 U
1,2-Dichloroethene (cis)	UG/KG	5.8 U	5 U	6 U
1,2-Dichloroethene (total)	UG/KG	12 U	10 U	12 U
1,2-Dichloroethene (trans)	UG/KG	5.8 U	5 U	6 U
1,2-Dichloropropane	UG/KG	5.8 U	5 U	6 U
1,3,5-Trimethylbenzene (Mesitylene)	UG/KG	5.8 U	0.83 J	6 U
1,3-Dichlorobenzene	UG/KG	5.8 U	5 U	6 U

Flags assigned during chemistry validation are shown.

U - Not detected above the reported quantitation limit.

J - The reported concentration is an estimated value.

R - The data is rejected.

Made By_PRF 03/19/13_

Detection Limits shown are PQL

**TASK 6: SOLID IDW ANALYTICAL RESULTS
 NIAGARA FALLS STORAGE SITE
 LEWISTON, NEW YORK**

Location ID		IDW	IDW	IDW
Sample ID		SHELBY5	WC-178	WEC 1-5
Matrix		Soil	Soil	Soil
Depth Interval (ft)		-	-	-
Date Sampled		12/19/12	12/19/12	12/19/12
Parameter	Units			
Volatile Organic Compounds				
1,3-Dichloropropane	UG/KG	5.8 U	5 U	6 U
1,3-Dichloropropene (cis)	UG/KG	5.8 U	5 U	6 U
1,3-Dichloropropene (trans)	UG/KG	5.8 U	5 U	6 U
1,4-Dichloro-2-butene (trans)	UG/KG	12 U	10 U	12 U
1,4-Dichlorobenzene	UG/KG	5.8 U	5 U	6 U
1,4-Dioxane	UG/KG	470 U	400 U	480 U
2,2-Dichloropropane	UG/KG	5.8 U	5 U	6 U
2-Chlorotoluene	UG/KG	5.8 U	5 U	6 U
2-Chloro-1,3-butadiene	UG/KG	5.8 U	5 U	6 U
2-Hexanone	UG/KG	23 U	20 U	24 U
2-Nitropropane	UG/KG	12 U	10 U	12 U
4-Chlorotoluene	UG/KG	5.8 U	5 U	6 U
4-Isopropyltoluene (p-Cymene)	UG/KG	5.8 U	0.32 J	6 U
4-Methyl-2-pentanone	UG/KG	23 U	20 U	24 U
Acetone	UG/KG	23 U	46	24 U
Benzene	UG/KG	5.8 U	5 U	6 U
Bromobenzene	UG/KG	5.8 U	5 U	6 U
Bromochloromethane	UG/KG	5.8 U	5 U	6 U
Bromodichloromethane	UG/KG	5.8 U	5 U	6 U
Bromoform	UG/KG	5.8 U	5 U	6 U
Bromomethane	UG/KG	12 U	10 U	12 U
Carbon disulfide	UG/KG	5.8 U	5 U	6 U

Flags assigned during chemistry validation are shown.

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Made By_PRF 03/19/13_

Detection Limits shown are PQL

**TASK 6: SOLID IDW ANALYTICAL RESULTS
NIAGARA FALLS STORAGE SITE
LEWISTON, NEW YORK**

Location ID		IDW	IDW	IDW
Sample ID		SHELBY5	WC-178	WEC 1-5
Matrix		Soil	Soil	Soil
Depth Interval (ft)		-	-	-
Date Sampled		12/19/12	12/19/12	12/19/12
Parameter	Units			
Volatile Organic Compounds				
Carbon tetrachloride	UG/KG	5.8 U	5 U	6 U
Chlorobenzene	UG/KG	5.8 U	5 U	6 U
Chloroethane	UG/KG	12 U	10 U	12 U
Chloroform	UG/KG	5.8 U	5 U	6 U
Chloromethane	UG/KG	12 U	10 U	12 U
Cyclohexane	UG/KG	12 U	1 J	0.51 J
Cyclohexanone	UG/KG	120 U	100 U	120 U
Dibromochloromethane	UG/KG	5.8 U	5 U	6 U
Dibromomethane	UG/KG	5.8 U	5 U	6 U
Dichlorodifluoromethane	UG/KG	12 U	10 U	12 U
Ethylbenzene	UG/KG	5.8 U	1.5 J	6 U
Ethyl methacrylate	UG/KG	5.8 U	5 U	6 U
Hexachlorobutadiene	UG/KG	5.8 U	5 U	6 U
Hexane	UG/KG	12 U	10 U	12 U
Isopropylbenzene (Cumene)	UG/KG	5.8 U	5 U	6 U
Methyl acetate	UG/KG	12 U	10 U	12 U
Methyl ethyl ketone (2-Butanone)	UG/KG	23 U	23	24 U
Methyl tert-butyl ether	UG/KG	5.8 U	5 U	6 U
Methylcyclohexane	UG/KG	12 U	10 U	12 U
Methylene chloride	UG/KG	4 J	10 U	12 U
Methyl methacrylate	UG/KG	5.8 U	5 U	6 U
Naphthalene	UG/KG	5.8 U	5 U	6 U

Flags assigned during chemistry validation are shown.

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J - The reported concentration is an estimated value.

R - The data is rejected.

Made By_PRF 03/19/13_

Detection Limits shown are PQL

**TASK 6: SOLID IDW ANALYTICAL RESULTS
NIAGARA FALLS STORAGE SITE
LEWISTON, NEW YORK**

Location ID		IDW	IDW	IDW
Sample ID		SHELBY5	WC-178	WEC 1-5
Matrix		Soil	Soil	Soil
Depth Interval (ft)		-	-	-
Date Sampled		12/19/12	12/19/12	12/19/12
Parameter	Units			
Volatile Organic Compounds				
n-Butylbenzene	UG/KG	5.8 U	5 U	6 U
n-Propylbenzene	UG/KG	5.8 U	0.4 J	6 U
sec-Butylbenzene	UG/KG	5.8 U	5 U	6 U
Styrene	UG/KG	5.8 U	5 U	6 U
tert-Butylbenzene	UG/KG	5.8 U	5 U	6 U
Tetrachloroethene	UG/KG	5.8 U	0.77 J	0.5 J
Tetrahydrofuran	UG/KG	29 U	25 U	30 U
Toluene	UG/KG	5.8 U	2.7 J	6 U
Trichloroethene	UG/KG	5.8 U	5 U	6 U
Trichlorofluoromethane	UG/KG	5.8 U	5 U	6 U
Vinyl acetate	UG/KG	5.8 U	5 U	6 U
Vinyl chloride	UG/KG	12 U	10 U	12 U
Xylene (total)	UG/KG	12 U	7.9 J	12 U
Semivolatile Organic Compounds				
1,1-Biphenyl	UG/KG	380 U	330 U	390 U
1,2,4-Trichlorobenzene	UG/KG	380 U	330 U	390 U
1,2-Dichlorobenzene	UG/KG	380 U	330 U	390 U
1,3-Dichlorobenzene	UG/KG	380 U	330 U	390 U
1,4-Dichlorobenzene	UG/KG	380 U	330 U	390 U
1,4-Dioxane	UG/KG	380 U	330 U	390 U
2,2'-oxybis(1-Chloropropane)	UG/KG	380 U	330 U	390 U
2,4,5-Trichlorophenol	UG/KG	380 U	330 U	390 U

Flags assigned during chemistry validation are shown.

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Made By_PRF 03/19/13_

Detection Limits shown are PQL

**TASK 6: SOLID IDW ANALYTICAL RESULTS
 NIAGARA FALLS STORAGE SITE
 LEWISTON, NEW YORK**

Location ID		IDW	IDW	IDW
Sample ID		SHELBY5	WC-178	WEC 1-5
Matrix		Soil	Soil	Soil
Depth Interval (ft)		-	-	-
Date Sampled		12/19/12	12/19/12	12/19/12
Parameter	Units			
Semivolatile Organic Compounds				
2,4,6-Trichlorophenol	UG/KG	380 U	330 U	390 U
2,4-Dichlorophenol	UG/KG	380 U	330 U	390 U
2,4-Dimethylphenol	UG/KG	380 U	330 U	390 U
2,4-Dinitrophenol	UG/KG	1,900 U	1,600 U	1,900 U
2,4-Dinitrotoluene	UG/KG	380 U	330 U	390 U
2,6-Dinitrotoluene	UG/KG	380 U	330 U	390 U
2-Chloronaphthalene	UG/KG	380 U	330 U	390 U
2-Chlorophenol	UG/KG	380 U	330 U	390 U
2-Methylnaphthalene	UG/KG	380 U	330 U	390 U
2-Methylphenol (o-cresol)	UG/KG	380 U	330 U	390 U
2-Nitroaniline	UG/KG	1,900 U	1,600 U	1,900 U
2-Nitrophenol	UG/KG	380 U	330 U	390 U
3&4-Methylphenol	UG/KG	760 U	670 U	780 U
3,3'-Dichlorobenzidine	UG/KG	1,900 U	1,600 U	1,900 U
3-Nitroaniline	UG/KG	1,900 U	1,600 U	1,900 U
4,6-Dinitro-2-methylphenol	UG/KG	1,900 U	1,600 U	1,900 U
4-Bromophenyl-phenylether	UG/KG	380 U	330 U	390 U
4-Chloro-3-methylphenol	UG/KG	380 U	330 U	390 U
4-Chloroaniline	UG/KG	380 U	330 U	390 U
4-Chlorophenyl-phenylether	UG/KG	380 U	330 U	390 U
4-Nitroaniline	UG/KG	1,900 U	1,600 U	1,900 U
4-Nitrophenol	UG/KG	1,900 U	1,600 U	1,900 U

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Made By_PRF 03/19/13_

Detection Limits shown are PQL

**TASK 6: SOLID IDW ANALYTICAL RESULTS
 NIAGARA FALLS STORAGE SITE
 LEWISTON, NEW YORK**

Location ID		IDW	IDW	IDW
Sample ID		SHELBY5	WC-178	WEC 1-5
Matrix		Soil	Soil	Soil
Depth Interval (ft)		-	-	-
Date Sampled		12/19/12	12/19/12	12/19/12
Parameter	Units			
Semivolatile Organic Compounds				
Acenaphthene	UG/KG	380 U	330 U	390 U
Acenaphthylene	UG/KG	380 U	330 U	390 U
Acetophenone	UG/KG	380 U	330 U	390 U
Aniline	UG/KG	380 U	330 U	390 U
Anthracene	UG/KG	380 U	330 U	390 U
Atrazine	UG/KG	380 U	330 U	390 U
Benzaldehyde	UG/KG	380 U	330 U	390 U
Benzo(a)anthracene	UG/KG	380 U	330 U	390 U
Benzo(a)pyrene	UG/KG	380 U	330 U	390 U
Benzo(b)fluoranthene	UG/KG	380 U	330 U	390 U
Benzo(g,h,i)perylene	UG/KG	380 U	330 U	390 U
Benzo(k)fluoranthene	UG/KG	380 U	330 U	390 U
Benzyl alcohol	UG/KG	380 U	330 U	390 U
bis(2-Chloroethoxy)methane	UG/KG	380 U	330 U	390 U
bis(2-Chloroethyl)ether	UG/KG	380 U	330 U	390 U
bis(2-Ethylhexyl)phthalate	UG/KG	220 J	81 J	390 U
Butylbenzylphthalate	UG/KG	380 U	330 U	390 U
Caprolactam	UG/KG	380 U	330 U	390 U
Carbazole	UG/KG	380 U	330 U	390 U
Chrysene	UG/KG	380 U	330 U	390 U
Dibenz(a,h)anthracene	UG/KG	380 U	330 U	390 U
Dibenzofuran	UG/KG	380 U	330 U	390 U

Flags assigned during chemistry validation are shown.

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Made By_PRF 03/19/13_

Detection Limits shown are PQL

**TASK 6: SOLID IDW ANALYTICAL RESULTS
 NIAGARA FALLS STORAGE SITE
 LEWISTON, NEW YORK**

Location ID		IDW	IDW	IDW
Sample ID		SHELBYS	WC-178	WEC 1-5
Matrix		Soil	Soil	Soil
Depth Interval (ft)		-	-	-
Date Sampled		12/19/12	12/19/12	12/19/12
Parameter	Units			
Semivolatile Organic Compounds				
Diethylphthalate	UG/KG	380 U	330 U	390 U
Dimethylphthalate	UG/KG	380 U	330 U	390 U
Di-n-butylphthalate	UG/KG	380 U	330 U	390 U
Di-n-octylphthalate	UG/KG	380 U	330 U	390 U
Fluoranthene	UG/KG	380 U	330 U	390 U
Fluorene	UG/KG	380 U	330 U	390 U
Hexachlorobenzene	UG/KG	380 U	330 U	390 U
Hexachlorobutadiene	UG/KG	380 U	330 U	390 U
Hexachlorocyclopentadiene	UG/KG	1,900 U	1,600 U	1,900 U
Hexachloroethane	UG/KG	380 U	330 U	390 U
Indeno(1,2,3-cd)pyrene	UG/KG	380 U	330 U	390 U
Isophorone	UG/KG	380 U	330 U	390 U
Naphthalene	UG/KG	380 U	330 U	390 U
Nitrobenzene	UG/KG	380 U	330 U	390 U
N-Nitrosodimethylamine	UG/KG	380 U	330 U	390 U
N-Nitroso-di-n-propylamine	UG/KG	380 U	330 U	390 U
N-Nitrosodiphenylamine	UG/KG	380 U	330 U	390 U
Pentachlorophenol	UG/KG	1,900 U	1,600 U	1,900 U
Phenanthrene	UG/KG	380 U	330 U	390 U
Phenol	UG/KG	380 U	330 U	390 U
Pyrene	UG/KG	380 U	330 U	390 U
Pyridine	UG/KG	760 U	670 U	780 U

Flags assigned during chemistry validation are shown.

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J - The reported concentration is an estimated value.

R - The data is rejected.

Made By_PRF 03/19/13_

Detection Limits shown are PQL

**TASK 6: SOLID IDW ANALYTICAL RESULTS
 NIAGARA FALLS STORAGE SITE
 LEWISTON, NEW YORK**

Location ID		IDW	IDW	IDW
Sample ID		SHELBY5	WC-178	WEC 1-5
Matrix		Soil	Soil	Soil
Depth Interval (ft)		-	-	-
Date Sampled		12/19/12	12/19/12	12/19/12
Parameter	Units			
Pesticide Organic Compounds				
4,4'-DDD	UG/KG	2 U	1.7 U	2 U
4,4'-DDE	UG/KG	2 U	1.7 U	2 U
4,4'-DDT	UG/KG	2 U	1.7 U	2 U
Aldrin	UG/KG	2 U	1.7 U	2 U
alpha-BHC	UG/KG	2 U	1.7 U	2 U
alpha-Chlordane	UG/KG	2 U	1.7 U	2 U
beta-BHC	UG/KG	2 U	1.7 U	2 U
delta-BHC	UG/KG	2 U	1.7 U	2 U
Dieldrin	UG/KG	2 U	1.7 U	2 U
Endosulfan I	UG/KG	2 U	1.7 U	2 U
Endosulfan II	UG/KG	2 U	1.7 U	2 U
Endosulfan sulfate	UG/KG	2 U	1.7 U	2 U
Endrin	UG/KG	2 U	1.7 U	2 U
Endrin aldehyde	UG/KG	2 U	1.7 U	2 U
Endrin ketone	UG/KG	2 U	1.7 U	2 U
gamma-BHC (Lindane)	UG/KG	2 U	1.7 U	2 U
gamma-Chlordane	UG/KG	2 U	1.7 U	2 U
Heptachlor	UG/KG	2 U	1.7 U	2 U
Heptachlor epoxide	UG/KG	2 U	1.7 U	2 U
Methoxychlor	UG/KG	3.8 U	3.4 U	3.8 U
Technical Chlordane	UG/KG	20 U	17 U	20 U
Toxaphene	UG/KG	77 U	68 U	78 U

Flags assigned during chemistry validation are shown.

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Detection Limits shown are PQL

**TASK 6: SOLID IDW ANALYTICAL RESULTS
 NIAGARA FALLS STORAGE SITE
 LEWISTON, NEW YORK**

Location ID		IDW	IDW	IDW
Sample ID		SHELBY5	WC-178	WEC 1-5
Matrix		Soil	Soil	Soil
Depth Interval (ft)		-	-	-
Date Sampled		12/19/12	12/19/12	12/19/12
Parameter	Units			
Herbicides				
2,4,5-T	UG/KG	30 U	26 U	31 U
2,4,5-TP (Silvex)	UG/KG	35 U	30 U	35 U
2,4-D	UG/KG	290 U	250 U	290 U
2,4-DB	UG/KG	290 U	250 U	290 U
Dalapon	UG/KG	100 U	91 U	110 U
Dicamba	UG/KG	46 U	40 U	47 U
Dichloroprop	UG/KG	290 U	250 U	290 U
Dinoseb	UG/KG	52 U	45 U	53 U
MCPA	UG/KG	24,000 U	21,000 U	24,000 U
MCPP	UG/KG	20,000 U	18,000 U	21,000 U
TCLP Metals				
Arsenic	UG/L	9.8 J	49 J	500 U
Barium	UG/L	1,400	130	590
Cadmium	UG/L	6 J	13 U	13 U
Chromium	UG/L	25 U	25 U	8 J
Lead	UG/L	17 J	13 J	5.3 J
Mercury	UG/L	1.5 U	R	1.5 U
Selenium	UG/L	23 J	500 U	11 J
Silver	UG/L	40 U	40 U	40 U
Miscellaneous Parameters				
Paint Filter Test	NONE	0 U	0 U	0 U

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Made By_PRF 03/19/13_

Detection Limits shown are PQL

Advanced Selection: matrix=so, IDW
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 [MATRIX] = 'SO' AND [LOCID]=LUKE\IDW

**TASK 6: SOLID IDW ANALYTICAL RESULTS
NIAGARA FALLS STORAGE SITE
LEWISTON, NEW YORK**

Location ID		IDW	IDW	IDW
Sample ID		SHELBY5	WC-178	WEC 1-5
Matrix		Soil	Soil	Soil
Depth Interval (ft)		-	-	-
Date Sampled		12/19/12	12/19/12	12/19/12
Parameter	Units			
Radionuclides (Alpha Spec)				
Thorium-228	PCI/G	0.842 ± 0.143	19 ± 1.7	0.932 ± 0.148
Thorium-230	PCI/G	0.867 ± 0.146	3.08 ± 0.348	2.97 ± 0.335
Thorium-232	PCI/G	0.913 ± 0.151	18.6 ± 1.66	0.813 ± 0.136
Uranium-234	PCI/G	0.66 ± 0.112	2.14 ± 0.257	1.52 ± 0.199
Uranium-235/236	PCI/G	0.0258 ± 0.0222	0.084 ± 0.0414	0.0791 ± 0.0396
Uranium-238	PCI/G	0.567 ± 0.102	2.07 ± 0.251	1.44 ± 0.191
Radionuclides (Gamma Spec)				
Actinium-227	PCI/G	0.109 U	-0.0597 U	-0.767 U
Cesium-137	PCI/G	0.00779 U	-0.00012 U	0.169 U
Radium-226	PCI/G	0.816 ± 0.205	1.3 ± 0.336	2.7 ± 0.43
Radium-228	PCI/G	1.39 ± 0.311	15.4 ± 1.73	0.731 ± 0.229
Radionuclides (Phosphorescence)				
Uranium, Total	UG/KG	2,130 ± 252	7,650 ± 903	5,360 ± 633

Flags assigned during chemistry validation are shown.

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Made By_PRF 03/19/13_

Detection Limits shown are PQL



WASTE PROFILE FORM

For assistance in completing this document or for additional information on EQ's service offerings, please visit our website at www.eqonline.com or call 800-592-5489.

EQ - The Environmental Quality Company will choose the appropriate facility and method of waste management for your waste from the technologies offered at each EQ operation.

If you wish to direct this waste to a specific EQ facility(s) or treatment technology please indicate here:

EQ - WAYNE DISPOSAL

Waste Common Name: SITE INVESTIGATION DEBRIS, WTS#34651 (KSW)

Section 1 - Generator & Customer Information

Generator EPA ID # NY7-890-108-973

Generator US ARMY CORPS OF ENGINEERS

Facility Address NFSS, 1397 PLETCHER ROAD

City LEWISTON State NY Zip 14092

24-hour Emergency Response Number () - _____

Mailing Address ATTN: HAROLD LEGGETT
1776 NIAGARA STREET

City BUFFALO State NY Zip 14207

Generator Contact [REDACTED]

Title CONTRACTING OFC. REP

Phone (716) 879-4289 Fax (716) 879-4356

E-mail [REDACTED]@USACE.ARMY.MIL

Internal Use Only: EQ Division _____

EQ Customer No. 583

Invoicing Company WASTE TECHNOLOGY SERVICES

Address 435 NORTH 2ND STREET

City LEWISTON State NY Zip 14092

Country USA

Invoicing Contact ACCOUNTS PAYABLE

Phone (716) 754-5400 Fax (716) 754-8001

Technical Contact [REDACTED]

Phone (716) 754-5400 Fax (716) 754-8001

Cell Phone (716) 870-6760

E-mail [REDACTED]@WTSONLINE.COM

Section 2 - Shipping & Packaging Information

2.1) Shipping Volume & Frequency:

a) Volume of Waste to be Shipped: 90 CUFT, 23 DM55

b) Frequency: One Time Month Quarter Year Other _____

2.2) DOT Information

a) Is this a U.S. Department of Transportation (USDOT) Hazardous Material? Yes No

b) If "Yes", indicate the proper shipping name per 49 CFR 172.101 Hazardous Materials Table:
NON-REGULATED MATERIAL (SITE INVESTIGATION DEBRIS), NR

Section 3 - Special Properties

3.1) Color VARIES

3.2) Odor None Ammonia Amines Mercaptans Sulfur Organic Acid Amines/Ammonia
 Other: _____

3.3) Consistency at 70 °F: Solid Dust/Powder Debris Sludge Liquid Gas/Aerosol Varies

3.4) What is the pH? ≤2 2.1-4.9 5-10 10.1-12.4 ≥12.5 N/A

3.5) What is the flash point? <90° F 90-139° F 140-199° F ≥200° F N/A

3.6) Does this waste exhibit any of the following properties? **(check all that apply)**

<input checked="" type="checkbox"/> None	<input type="checkbox"/> Free Liquids	<input type="checkbox"/> Metal Fines	<input type="checkbox"/> Water Reactive	<input type="checkbox"/> Biohazard
<input type="checkbox"/> Shock Sensitive	<input type="checkbox"/> Oily Residue	<input type="checkbox"/> Dioxins	<input type="checkbox"/> Furans	<input type="checkbox"/> Aluminum
<input type="checkbox"/> Asbestos -non- friable	<input type="checkbox"/> Asbestos - friable	<input type="checkbox"/> Other Radioactive	<input type="checkbox"/> Air Reactive	<input type="checkbox"/> Isocyanates
<input type="checkbox"/> Biodegradable Sorbents	<input type="checkbox"/> Pyrophoric	<input type="checkbox"/> Reactive Sulfide	<input type="checkbox"/> Reactive Cyanide	<input type="checkbox"/> Explosives
<input type="checkbox"/> Temperature Controlled Organic Peroxide	<input type="checkbox"/> NORM	<input type="checkbox"/> TENORM		

Section 4 - Composition and Generating Process

4.1) Provide a physical and chemical composition of the waste (e.g. soil, water, PPE, debris, etc.). List the percent ranges of the material, either estimated or known.

DEBRIS (CONCRETE, METAL, ETC.) 99. to 100. %
SOIL, SMALL STONES 0. to 1. %

4.2) Provide a description of the generating process. *Remediation & IDW Sites: please provide a site history.*

INVESTIGATION OF PROPERTY. UNIMPORTANT QUANTITY OF SOURCE MATERIAL. SEE ATTACHED ADDENDUM FOR SITE HISTORY.

4.3) Are there any known previous handling or treatment issues involving this waste? Yes* No

*If yes, describe: _____

Section 5 - Hazardous Wastes

As determined by 40 CFR, Part 261 and State Rules:

Please list applicable waste code(s):

5.1) Is this waste exempted from RCRA? Yes No

If Yes, please provide exemption: _____

5.2) Is this an EPA RCRA listed hazardous waste (F, K, P or U)? Yes No

a) For F006-F009, F012, does this come from a generator that conducts a cyanide plating process? Yes No

5.3) Is this an EPA RCRA characteristic hazardous waste (D001-D043)? Yes No

5.4) Do any State Specific Hazardous Waste Codes apply? Yes No

If you answered 'no' to 5.2, 5.3 and 5.4, please proceed to Section 6.

5.5) EPA Source Code: _____ EPA Form Code: _____

5.6) Waste Code Determination Is Based On: Generator Knowledge Analysis MSDS

Analysis and/or MSDS may be required for review and approval for hazardous and non-hazardous waste streams.

5.7) Does this waste exceed Land Disposal Restriction levels? Yes No

a) Is this stream a wastewater (WW) or non-wastewater (NWW)? WW NWW

b) If this waste stream is greater than 50% soil, does it meet the alternative soil treatment standards of 40 CFR 268.49? Yes No

c) Does this waste contain greater than 50% debris, by volume? Yes No
(Debris is greater than 2.5 inches in size.)

d) If the debris is larger than 3 ft x 3 ft x 3 ft, please provide the approximate dimensions and weight: _____

5.8) If this is a characteristic hazardous waste, does it contain Underlying Hazardous Constituents? Yes* No

*If Yes, please list: _____

For a complete list of UHC constituents, please refer to 40 CFR 268.48

Section 6 - Non-Hazardous Wastes

Please list applicable waste code(s):

6.1) Do any State Specific Non-Hazardous Waste Codes apply? Yes No

6.2) Is this a Universal (UNIV) waste or a Recyclable Good (RG)? UNIV RG N/A

6.3) Is this waste used oil as defined by 40 CFR Part 279? Yes No

a) If yes, is the total halogen content of the used oil waste stream greater than 1,000 ppm? Yes No

b) If yes, what is the source of the halogen content?

This is a metalworking oil/fluid containing chlorinated paraffins.

This is a used oil contaminated with chlorofluorocarbons from refrigeration units.

This oil contains halogenated solvents. List specific solvents: _____

Other, describe: _____

Section 7 - TSCA Information

- 7.1) What is the concentration of PCBs in the waste? None 0-49 ppm 50-499 ppm 500+ ppm
- 7.2) Does the waste contain PCB contamination from a source with a concentration \geq 50 ppm? Yes No Unknown
- If you answered "none" or "0-49 ppm" to 7.1 and "no" to 7.2, please proceed to Section 8.**
- 7.3) Has this waste been processed into a non-liquid form? Yes* No
 *If yes, what was the concentration of PCBs prior to processing? 0-499 ppm 500+ ppm
- 7.4) Is this non-liquid PCB waste in the form of soil, rags, debris, or other contaminated media? Yes No
- 7.5) Are you a PCB capacitor manufacturer or a PCB equipment manufacturer? Yes No
- 7.6) Has the PCB Article (e.g., transformer, hydraulic machine, PCB-contaminated electrical equipment) been drained/flushed of all PCBs and decontaminated in accordance with 40 CFR 761.60(b)? Yes No N/A

Section 8 - Clean Air Act Information

- 8.1) Is this waste subject to regulation under 40 CFR, Part 264, Subpart CC (VOC > 500 ppmw)? Yes No
- 8.2) Is this waste subject to regulation under 40 CFR, Part 63, Subpart DD (VOHAP > 500 ppmw)? Yes No
- 8.3) Is the site, or waste, subject to any other NESHAP/MACT standard(s)? Yes* No
- *If Yes this document serves as notification that this waste contains chemicals required to be managed in accordance with Part 61 62 63 Subpart _____ of NESHAP/MACT standards.
- 8.4) Does this waste stream contain Benzene? Yes No
- If you answered "no" to 8.4, please proceed to Section 9.**
- 8.5) Does the waste stream come from a facility subject to 40 CFR 61, Subpart FF (Benzene NESHAP)? Yes No
 If Yes, please provide the SIC/NAICS code: _____
- If you answered "no" to 8.5, please proceed to Section 9.**
- 8.6) Does your facility manage the waste subject to Benzene NESHAP in a manner other than shipping off-site? Yes No
 If Yes, please specify: _____
- 8.7) Is the generating source of this waste a facility with Total Annual Benzene (TAB) \geq 10 Mg/year? Yes No
- 8.8) Does the waste contain >10% water? Yes No
- 8.9) What is the TAB quantity for your facility? _____ Mg/year
- 8.10) What is the total Benzene concentration in your waste? _____ Percent or _____ ppmw.

Supporting analysis must be attached. Do not use TCLP analytical results. Acceptable laboratory methods include 8020, 8240, 8260, 602 and 624.

Section 9 - Certification

I certify that all information (including attachments) is complete and factual and is an accurate representation of the known and suspected hazards, pertaining to the waste described herein. I authorize EQ's personnel to add supplemental information to the waste approval file, provided I am contacted and give verbal permission. I authorize EQ's personnel to obtain a sample from any waste shipment for purposes of verification and confirmation. I agree that, if EQ approves the waste described herein, all such wastes that are transported, delivered, or tendered to EQ by Generator or on Generator's behalf shall be subject to, and Generator shall be bound by, the attached Standard Terms and Conditions.

On Behalf of USACE

Generator Signature _____ Printed Name _____

Company US Army Corps of Engineers Title Health Physicist Date 5/17/13

The generator's signature MUST appear on the EQ Waste Profile Form. If the generator has authorized a third party to certify this document, a written notice must accompany this submittal.

STANDARD TERMS AND CONDITIONS

The Agreement between the Customer and EQ - The Environmental Quality Company and/or its member companies (hereinafter "EQ") related to or associated with Delivered Waste, as herein defined, shall be governed by the following Standard Terms and Conditions in addition to the terms and conditions contained in any Waste Profile Form, Customer Approval Quote Confirmation, Generator Approval Notification, Notice of Waste Approval Expiration, and/or Credit Agreement associated with such Delivered Waste.

The Customer may use its standard forms (such as purchase orders, acknowledgments of orders, and invoices) to administer its dealings under this Agreement for convenience purposes, but all provisions thereof in conflict with these terms and conditions shall be deemed stricken.

Definitions

"Acceptable Waste" shall mean any hazardous waste, as defined under applicable State or federal law, determined by EQ as acceptable for treatment and/or disposal in accordance with this Agreement.

"Delivered Wastes" shall mean all wastes (i) which are transported, delivered, or tendered to EQ by the Customer; (ii) which the Customer has arranged for the transport, delivery or tender to EQ; or (iii) which are transported, delivered, or tendered to EQ under a Credit Agreement between the Customer and EQ.

"Non-Conforming Wastes" shall mean wastes that (a) are not in accordance in all material respects with the warranties, descriptions, specifications or limitations stated in the Waste Characterization Report and this Agreement; (b) have constituents or components of a type or concentration not specifically identified in the Waste Characterization Report (i) which increase the nature or extent of the hazard and risk undertaken by EQ in treating and/or disposing of the waste, or (ii) for whose treatment and/or disposal a Waste Management Facility is not designed or permitted, or (iii) which increase the cost of treatment and/or disposal of waste beyond that specified in EQ's price quote; or (c) are not properly packaged, labeled, described, or placarded, or otherwise not in compliance with United States Department of Transportation and United States Environmental Protection Agency regulations.

Control of Operations.

EQ shall have sole control over all aspects of the operation of any treatment and/or disposal facility of EQ receiving Delivered Wastes under this Agreement (hereinafter, "Waste Management Facility"), including, without limitation, maintaining EQ's desired volume of Acceptable Wastes being delivered to any Waste Management Facility by the Customer or any other person or entity.

Identification of Waste.

For each waste material to be transported, delivered, or tendered to EQ under this Agreement, the Customer shall provide, or cause to be provided, to EQ a representative sample of the waste material and a completed Waste Characterization Report containing a physical and chemical description or analysis of such waste material, which description shall conform with any and all guidelines for waste acceptance provided by EQ. On the basis of EQ's analysis of such representative sample of the waste material and such Waste Characterization Report, EQ will determine whether such wastes are Acceptable Wastes. EQ does not make any guarantee that it will handle any waste material or any particular quantity or type of waste material, and EQ reserves the right to the decline to transport, treat and/or dispose of waste material. The Customer shall promptly furnish to EQ any information regarding known, suspected or planned changes in the composition of the waste material. Further, the Customer shall promptly inform EQ of any change in the characteristic or condition of the waste material which becomes known to the Customer subsequent to the date of the Waste Characterization Report.

Non-Conforming Wastes.

In the event that EQ at any time discovers that any Delivered Waste is Non-Conforming Waste, EQ may reject or revoke its acceptance of the Non-Conforming Waste. The Customer shall have seven (7) days to direct an alternative lawful manner of disposition of the waste, unless it is necessary by reason of law or otherwise to move the Non-Conforming Waste prior to expiration of the seven (7) day period. If the Customer does not direct an alternative disposal, at its option, EQ may return any such Non-Conforming Wastes to the Customer, and the Customer shall pay or reimburse EQ for all costs and expenses incurred by EQ in connection with the receipt, handling, sampling, analyses, transportation and return to the Customer of such Non-Conforming Wastes. If it is impossible or impractical for EQ to return the Non-Conforming Waste to the Customer, the Customer shall reimburse EQ for all costs, of any type or nature whatsoever, incurred by EQ, solely because such Delivered Waste was Non-Conforming Waste (including, but not limited to, all costs associated with any remedial steps necessary, due to the nature of the Non-Conforming Waste, in connection with material with which the Non-Conforming Waste may have been commingled and all expenses and charges for analyzing, handling, locating, preparing for transporting, storing and disposing of any Non-Conforming Waste).

Customer Warranty - Acceptable Wastes.

All Delivered Wastes shall be Acceptable Wastes and shall conform in all material respects to the description and specifications contained in the Waste Characterization Report. The information set forth in the Waste Characterization Report or any manifest, placard or label associated with any Delivered Wastes, or otherwise represented by the Customer or the generator (if other than the Customer) to EQ, is and shall be true, accurate and complete as of the date of receipt of the involved waste by EQ.

Customer Warranty - Title to Wastes.

Either the Customer or the generator (if other than the Customer) shall hold clear title, free of any all liens, claims, encumbrances, and charges to Delivered Waste until such waste is accepted by EQ.

Customer Warranty - Compliance with Laws.

The Customer shall comply with all applicable federal, state and local environmental statutes, regulations, and other governmental requirements, as well as directives issued by EQ from time to time, governing the transportation, treatment and/or disposal of Acceptable Wastes, including, but not limited to, all packaging, manifesting, containerization, placarding and labeling requirements.

Customer Warranty - Updating Information.

If the Customer receives information that Delivered Waste or other hazardous waste described in the Waste Characterization Report, or some component of such waste, presents or may present a hazard or risk to persons, property or the environment which was not disclosed to EQ, or if the Customer or generator (if other than the Customer) has changed the process by which such waste results, the Customer shall promptly report such information to EQ in writing.

Customer Indemnity.

The Customer shall indemnify, defend and hold harmless EQ, and its affiliated or related companies, and all of their respective present or future officers, directors, shareholders, employees and agents from and against any and all losses, damages, liabilities, penalties, fines, forfeitures, demands, claims, causes of action, suits, costs and expenses (including, but not limited to, reasonable costs of defense, settlement, and reasonable attorneys' fees), which may be asserted against any or all of them by any person or any governmental agency, or which any or all of them may hereafter suffer, incur, be responsible for or pay out, as a result of or in connection with bodily injuries (including, but not limited to, death, sickness, disease and emotional or mental distress) to any person (including EQ's employees), damage (including, but not limited to, loss of use) to any property (public or private), or any requirements to conduct or incur expense for investigative, removal or remedial expenses in connection with contamination of or adverse effect on the environment, or any violation or alleged violation of any statutes, ordinances, orders, rules or regulations of any governmental entity or agency, caused or arising out of (i) a breach of this Agreement by the Customer, (ii) the failure of any warranty of the Customer to be true, accurate and complete, or (iii) any willful or negligent act or omission of the Customer, or its employees or agents in connection with the performance of this Agreement.

Force Majeure.

EQ shall not be liable for any failure to accept, receive, handle, treat, and/or dispose of Delivered Waste due to an act of God, fire, casualty, flood, war, strike, lockout, labor trouble, failure of public utilities, equipment failure, facility shutdown, injunction, accident, epidemic, riot, insurrection, destruction of operation or transportation facilities, the inability to procure materials, equipment, or sufficient personnel or energy in order to meet operational needs without the necessity of allocation, the failure or inability to obtain any governmental approvals or to meet Environmental Requirements (including, but not limited to voluntary or involuntary compliance with any act, exercise, assertion, or requirement of any governmental authority) which may temporarily or permanently prohibit operations of EQ, the Customer, or the Generator, or any other circumstances beyond the control of EQ which prevents or delays performance of any of its obligations under this Agreement.

Governing Laws

This Agreement shall in all respects be governed by and shall be construed in accordance with the laws of the State of Michigan applied to contracts executed and performed wholly within such state.

Bulk Disposal Charges

Quoted bulk disposal charges for solid materials will be billed by the cubic yard, if the waste density is less than 2,000lbs./cubic yard. If waste density is greater than 2,000 lbs./cubic yard, then bulk disposal charges will be billed by the ton, regardless of the approved container.