

**FINAL
PROJECT CLOSEOUT REPORT
for**

**Niagara Falls Storage Site
Transportation and Disposal of
Remedial Investigation Derived and Legacy Waste
Lewiston, New York**



**US Army Corps
of Engineers ®**
Buffalo District

Prepared under:
Contract No.: W912P4-07-D-0005
Delivery Order 0004

February 2011

Prepared by:
Environmental Chemical Corporation
1125 Route 22 West
Bridgewater, NJ 08807

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Lewiston, New York**

**U.S. Army Corps of Engineers
Buffalo District**

**Submitted to:
U.S. Army Engineer District, Buffalo
1776 Niagara Street
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**Submitted by:
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1125 Route 22 West, Suite 310
Bridgewater, NJ 08807**

**Contract Number W912P4-07-D-0005
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**Niagara Falls Storage Site
Transportation and Disposal of
Remedial Investigation Derived and Legacy Waste
Lewiston, New York**

**Formerly Utilized Sites Remedial Action Program
Niagara Falls Storage Site**

February 2011

I hereby certify that the enclosed *Final Project Closeout Report, Niagara Falls Storage Site, Transportation and Disposal of Remedial Investigation and Legacy Waste, Lewiston, New York* shown and marked in this submittal, is that proposed to be incorporated with Contract Number W912P4-07-D-0005, Delivery Order 0004, is in compliance with the Contract Scope of Work and is submitted for Government approval.

Reviewed by:



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Zahlan
Date: 2011.02.23 14:30:04
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Project Manager

Date

Accepted By:

USACE Contracting Officer

Date

COMPLETION OF INDEPENDENT TECHNICAL REVIEW

**NIAGARA FALLS STORAGE SITE – WASTE DISPOSAL PROJECT
[DRAFT - Project Close Out Report]**

SAIC has completed an independent technical review of the subject document. Notice is hereby given that the review conducted was appropriate to the level of risk and complexity inherent in the project, as defined in the Quality Control Plan. During the independent technical review, compliance with established policy, principles and procedures, utilizing justified and valid assumptions, was verified. This included review of assumptions; methods, procedures, and material used in analyses; alternatives evaluated; the appropriateness of data used and level of data obtained; and reasonableness of the results, including whether the product meets the customer's needs consistent with law and existing Corps policy.

Mirna Zahlan



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Date: 02/02/2011

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ECC Project Manager

J. DeVaughn



Date: 2-2-11

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Sign

SAIC Independent Technical Reviewer

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LIST OF ACRONYMS AND ABBREVIATIONS

AEC	Atomic Energy Commission
AHA	Activity Hazard Analysis
ALARA	as low as reasonably achievable
CFR	Accident Prevention Plan
ARAR	applicable or relevant, and appropriate regulations
Bq/cm ²	Becquerel per square centimeter
CFR	Code of Federal Regulations
CG	Composite Group
cm ²	square centimeters
CQCP	Contractor Quality Control Plan
CRZ	Contaminant Reduction Zone
Cycle Chem	Cycle Chem, Inc.
CZ	contamination zone
DPM/cm ²	disintegrations per minute per square centimeter
DOT	United States Department of Transportation
ECC	Environmental Chemistry Corporation
EPA	United States Environmental Protection Agency
ESQM	Environment, Safety, and Quality Manager
FUSRAP	Formerly Utilized Sites Remedial Action Program
Hazmat	HazMat Environmental Group, Inc.
HMMP	Hazardous Material Management Plan
HPT	Health Physics Technician
I.C.E.	I.C.E. Services Group, Inc.
ID#:	Identification Number
IDW	Investigation Derived Waste
IH	Industrial Hygienist
Landstar	Landstar Systems, Inc.
LSA	Low Specific Activity
m	meter(s)
MED	Manhattan Engineer District
uCi/cm ²	micro Curies per square centimeter
uR/hr	microroentgen per hour
mrem/hr	milli rems per hour
NFSS	Niagara Falls Storage Site
NJ	New Jersey
No.	Number
NY	New York
OP-Tech	OP-Tech Environmental Services, Inc.
OSHA	Occupational Safety and Health Administration
OSTC	On-Site Transportation Coordinator
PHP	Project Health Physicist
PM	Project Manager
POC	Point of Contact

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OP-Tech	OP-Tech Environmental Services, Inc.
OSHA	Occupational Safety and Health Administration
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PM	Project Manager
POC	Point of Contact

LIST OF ACRONYMS AND ABBREVIATIONS (continued)

PPE	personal protective equipment
NJ	New Jersey
No.	Number
NY	New York
OP-Tech	OP-Tech Environmental Services, Inc.
OSHA	Occupational Safety and Health Administration
OSTC	On-Site Transportation Coordinator
PHP	Project Health Physicist
PM	Project Manager
POC	Point of Contact
PPE	personal protective equipment
PVC	polyvinyl chloride
QC	quality control
QCSM	Quality Control System Manager
Ra-226	radium-226
RCA	radiologically controlled areas
RI	Remedial Investigation
RP	Radiation Protection Plan
RWP	Radiation Worker Permit
SAIC	Science Applications International Corporation
SAP	Sampling and Analysis Plan
SPCCP	Spill Prevention Control and Countermeasures Plan
SOP	standard operating procedure
SOW	Scope of Work
SP	Supplemental Plan
SS	Site Superintendent
SSHO	Site Safety and Health Officer
SSHP	Site Safety and Health Plan
SZ	support zone
T&D	Transportation and Disposal
Th-230, -232	thorium-230, -232
U-238	uranium-238
USACE	United States Army Corps of Engineers
USEI	US Ecology – Idaho
WAC	waste acceptance criteria
WC	waste containers
WCS	Waste Control Specialists
WMTDP	Waste Management, Transportation, and Disposal Plan

1.0 INTRODUCTION

The United States Army Corps of Engineers (USACE) – Buffalo District selected Environmental Chemical Corporation (ECC) under Contract Number (No.) W912P4-07-D-0005 Delivery Order 0004 (hereafter referred to as the “Contract”), to provide transportation and disposal (T&D) services in support of the Niagara Falls Storage Site (NFSS) (hereafter referred to as the “Site”) located in Lewiston, New York (NY). ECC, the Contractor, completed this effort under the USACE’s Formerly Utilized Sites Remedial Action Program (FUSRAP). FUSRAP was established to identify, investigate, and clean up or control sites previously used by the Atomic Energy Commission (AEC) and its predecessor, the Manhattan Engineer District (MED). Previous studies identified this Site as containing various concentrations of residual radioactive material in soil, debris and miscellaneous materials left on site from previous operations, including thorium-232 (Th-232), thorium-230 (Th-230), radium-226 (Ra-226) and uranium-238 (U-238). This document is the *Final Project Closeout Report, Niagara Falls Storage Site, Transportation and Disposal of Remedial Investigation Derived and Legacy Waste*.

The USACE has been tasked with the evaluation and cleanup of FUSRAP Sites. Under this Delivery Order the USACE is completing part of a Remedial Investigation (RI) of the NFSS FUSRAP that includes construction activities to prepare, load, transport and properly dispose of containerized Investigation Derived Waste (IDW) and Legacy Waste. These activities meet the overall RI objective while protecting human health and the environment and comply with applicable or relevant, and appropriate regulations (ARARs) while also providing for future use of the NFSS property.

ECC conducted all steps leading to the T&D of the wastes and provided protection to the public and remediation workers consistent with applicable radiation exposure guidelines and with the objective of achieving as low as reasonably achievable (ALARA) exposure levels. This report documents activities that occurred during the preparation, packaging, and loading of the two waste streams at the NFSS, and their subsequent transportation to the proper disposal facilities. All work was completed in accordance with the USACE accepted Waste Management, Transportation, and Disposal Plan (WMTDP); part of a set of accepted plans for this project including the Sampling and Analysis Plan (SAP), Contractor Quality Control Plan (CQCP), and the Accident Prevention Plan (APP)/Site Safety and Health Plan (SSHP).

1.1 Project Scope

The scope of services under this Delivery Order includes conducting radiological surveys, preparation, packaging/re-packaging of FUSRAP IDW and Legacy Waste containers, loading and providing safe transportation from the current storage location on the NFSS Site to designated off-site disposal facilities accepted by USACE.

Composite samples of the waste to be disposed of were collected and analyzed for disposal parameters. The analytical results and a listing of each composite sample were provided in the SOW and are included in Appendix A of this report.

An inventory of the waste containers present on site for shipment was included in the USACE Scope of Work (SOW) and SOW Addendum No. 1 (miscellaneous smaller containers), and is presented in Appendix B of this report. Appendix B lists the amounts and type of material disposed as part of this project; summarized as follows:

Soils and Debris - the total number of Solid Waste Containers shipped off-site was 265, broken down as follows:

1. Two hundred forty one (241) 55-gallon steel drums of solid materials, including; soil and soil-like material, personal protective equipment (PPE), polyvinyl chloride (PVC)/plastic, metal, canvas tarps, concrete, absorbent, wood, carboys, glass, cardboard, spongeblast, and styrofoam;
2. Eight (8) 85-gallon over pack poly drums containing soil and soil-like material, and PVC/plastic; and
3. Sixteen (16) 3.6-cubic yard Low Specific Activity (LSA) boxes containing metal, wood, and PPE.

Liquids:

1. Six (6) steel 55-gallon drums containing water;
2. Three (3) steel 55-gallon drums containing oil; and
3. The contents of three (3) poly tanks containing water (two 1,550-gallon tanks and one 550-gallon tank with approximately 3,500 gallons of water).

Miscellaneous:

1. Twenty two (22) different smaller boxes, cans, coolers, and 5-gallon containers with various chemicals, acids, kerosene, hydraulic oil, and miscellaneous items previously labeled and stored in a Conex box situated near the main waste staging area at the NFSS (This group is referred to as Lab Pack); and
2. One (1) 55-gallon drum (WC-222) containing mercury contaminated materials combined with WC-225 (one 250-milliliter mercury container).

Appendix C provides photos of the IDW and Legacy Waste containers staged at the NFSS.

2.0 CONSTRUCTION ACTIVITIES

The primary objective of this project was the T&D of IDW and Legacy Waste containers to approved disposal facilities. Activities utilized to meet this objective included:

- Packaging or Repackaging of Investigation Derived Waste and Legacy Waste;
- Transportation Documentation;
- Container Labeling;
- Vehicle Loading and Release;
- Transportation; and
- Disposal.

Activities undertaken to complete each of the definable features of work for this project are summarized and described in the following sections. Each activity had an Activity Hazard Analysis (AHA) performed and AHAs were addressed in the five Supplemental Plans (SPs) as part of the APP. This work was in full compliance with all Federal, State and Local laws and regulations, and disposal facilities requirements.

2.1 Project Plans and Approvals

The project planning phase included the preparation and USACE acceptance of the project work plans. ECC coordinated the planning efforts with the T&D entities in compliance with ECC's Health Physics requirements. T&D activities associated with this project have been conducted in accordance with the project approved Work Plans which included of the following:

- Waste Management Transportation and Disposal Plan (WMTDP),
- Contractor Quality Control Plan (CQCP),
- Sampling and Analysis Plan (SAP), and
- Accident Prevention Plan (APP).

The APP includes the following Supplemental Plans:

- SP-1: Site Safety and Health Plan (SSHP),
- SP-2: Emergency Action Plan,
- SP-3: Hazard Communications Plan,
- SP-4: Radiation Protection Plan (RPP), and
- SP-5: Hazardous Material Management Plan (HMMP).

2.2 Project Staff and Primary Subcontractors

Per the USACE-accepted project work plans, the following key personnel completed the NFSS Project:

- Ms. Mirna Zahlan was the ECC Project Manager (PM) and principle Point of Contact (POC) for the USACE;
- Mr. Tom Gilbertson was the ECC Site Superintendent (SS) for the project;

- Mr. Michael LaBanc was both the Site Safety and Health Officer (SSHO) and Health Physicist Technician (HPT) for the project; and
- Mr. Mark Delfratte was the On-Site Transportation Coordinator (OSTC), and reported directly to the SS – Mr. Delfratte is an employee of I.C.E. Services Group Inc. (I.C.E.) who added to the efficiency of operations and ensured compliance with T&D requirements.

In accordance with the WMTDP, ECC subcontracted with I.C.E. as the transportation subcontractor for the NFSS project. I.C.E. provided transport vehicles, including tanker trucks and semi-tractor trailers, drivers, and the OSTC for the project. The OSTC completed all assignments and responsibilities outlined in the WMTDP, Section 4.0.

I.C.E. subcontracted transportation subcontractors listed at the following addresses with their respective United States Environmental Protection Agency (EPA) Identification Number (ID#):

Landstar Systems, Inc. (Landstar) PO Box 19137 Jacksonville, Florida 32245 EPA ID# FLR000067157 Phone # 800-872-9625	HazMat Environmental Group, Inc. (Hazmat) New Village Industrial Park 60 Commerce Drive Lackawanna, New York 14218 EPA ID# NYD980769947 Phone # 716-827-7200	OP-Tech Environmental Services, Inc. (OP-Tech) 6392 Deere Road Syracuse, New York 13206 EPA ID# NYD986980753 Phone # 607-565-8891
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Waste disposal options were identified for the disposal of the RI IDW and Legacy Waste materials. The following waste disposal facilities were identified and utilized based on available data for the waste streams and disposal facility waste acceptance criteria (WAC):

Waste Control Specialists LLC (WCS) Three Lincoln Centre 5430 LBJ Freeway, Ste. 1700 Dallas, Texas 75240 EPA ID# TXD988088464	US Ecology – Idaho (USEI) 300 E Mallard Drive, Suite 300 Boise, Idaho 83706 EPA ID# IDD073114654	Cycle Chem, Inc. (Cycle Chem) 201 South First Street Elizabeth, New Jersey 07206 EPA ID# PAD067098822
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Landstar transported the solid materials to Waste Control Specialists (WCS) and to US Ecology – Idaho (USEI). No solid materials were bulked for transport. All water was combined (bulked) into one vacuum truck and Hazmat transported the water to WCS for disposal. OP-Tech transported the laboratory pack materials, mercury drum, and oil drums to Cycle Chem, Inc. (Cycle Chem) for disposal.

Appendix B lists the amounts and type of material disposed as part of this project, including the contracted transporter and disposal facility.

2.3 Pre-Transportation Preparation

ECC personnel, along with the OSTC, completed a list of pre-transportation activities to ensure adequate planning and compliance with disposal facilities requirements. The pre-transportation activities included:

- On-site inventory verification on all the waste containers to be shipped.
- Analytical data reviews and evaluation in compliance with the disposal facility waste acceptance criteria; identification and reporting of the percentage of each type of item (i.e., soil, metal, concrete, wood, etc.) in each waste container.
- Identification of the presence of any free liquids in specific wastes/containers; and assessment of the condition of the waste containers for corrosion or damage to confirm their suitability for transport of the containers in which the IDW and Legacy Wastes were stored.
- Securing all necessary approvals to transport and dispose of the IDW and Legacy waste at the intended disposal facilities.

ECC and I.C.E. secured, prepared and submitted draft copies of all waste profile sheets and shipping documents for review and acceptance by USACE. Subsequently I.C.E. prepared and secured approvals for and managed the final shipping documents. Waste Profile documents for the NFSS project are provided in Appendix D. The condition of the IDW and Legacy waste containers are shown in the project photos in Appendix C.

2.4 Radiological Surveys and Wipe Samples

Radiological surveys and/or wipe sample collection were conducted at the Site on several occasions, as follows:

- Characterization samples and surveys of the contents in nine LSA boxes - (LSAs 2, 4, 6, 7, 8, 9, 11, 12, and 13);
- Pre-mobilization surveys of the exterior of three LSA boxes (8, 11, and 13);
- Release surveys of truck/trailers entering the Site to load waste containers;
- Release wipe samples for all waste containers leaving the Site; and
- Release wipe samples and release surveys for truck/trailers leaving the Site with waste containers.

Release surveys are discussed in detail in Section 2.6.5 of this report.

In November 2009 samples were collected from LSA boxes and radiological surveys were conducted on the contents in the LSA boxes. Table 1 in Appendix E-1 identifies the LSA boxes and the characterization method (sample collection and/or surveying). Table 2 in Appendix E-1 presents the analytical results of the samples collected from LSA boxes. Table 3 in Appendix E-1 presents a qualitative description of the contents of the LSA boxes. The results of the radiological scanning survey conducted by Science Applications International Corporation (SAIC) are included in Appendix E-1.

In August 2010 as part of the pre-transportation preparation efforts, the ECC HPT, Mike LaBanc, in the presence of USACE superintendent, Dennis Rimer, collected gamma measurement readings on the outside of LSA boxes 8, 11 and 13 (WC-170, WC-175, and WC-177). The contents of these LSA boxes had 2009 survey results which exceeded the total and removable alpha and beta/gamma contamination limits presented in Regulatory Guide 1.86. Radiological scanning survey results for WC-170, WC-175, and WC-177 are included in Appendix E-1. Results of the survey indicate exposure rates comparable to background. After reviewing the survey results and the information regarding the Site and material, USEI and the State of Idaho indicated that the profile of these LSA boxes was acceptable for disposal at the USEI facility. Details of the gamma measurement procedures are described in the two subsections below.

2.4.1 External Dose Rates

LSA boxes 8, 11, and 13 were separated from the rest of the LSA boxes and placed in a low background area. A Ludlum Model 19 exposure rate meter or equivalent was utilized for the measurement of external dose rate. The meter measured gamma radiation and provided readings in microroentgen per hour (uR/hr). In compliance with USEI requests, exposure rates were measured at the mid-point of each side of each container, and at the corners of each container. Two exposure rates were measured at each location on the container, one inch from the container surface and one meter (3.28 feet) from the container surface. Only one exposure rate was measured along the bottom of the containers, one inch from the container surface.

Dose rate measurements were utilized to provide an indication of the radiological contents of the containers, and were evaluated against the United States Department of Transportation (DOT) limits presented in Table 2-1 (Table 4-1 of the project WMTDP).

Table 2-1
Radiation Dose and Contamination Limits
Niagara Falls Storage Site
Lewiston, New York

Package Dose Rates for Transportation		49 CFR 173.441	
Non-Exclusive Use		Exclusive Use (in closed transport vehicle)	
Contact	< 200 mrem/hr	Contact	1,000 mrem/hr
Transport Index	<10	Radiation level at 2 m	< 10 mrem/hr
		Radiation level in any normally occupied area	< 2 mrem/hr
Non-Fixed External Radioactive Contamination Limits for Packages		49 CFR 173.443	
Maximum Permissible Limits			
Contaminant	Bq/cm ²	uCi/cm ²	DPM/cm ²
1. Beta and gamma emitters and low toxicity alpha emitters	4	10 ⁻⁴	220
2. All other alpha emitting radionuclides	0.4	10 ⁻⁵	22

Notes: mrem/hr = milli rems per hour

m = meter(s)

Bq/cm² = Becquerel per square centimeter

uCi/cm² = micro Curies per square centimeter

DPM/cm² = disintegrations per minute per square centimeter

CFR = Code of Federal Regulations

2.4.2 Container Composition

To provide adequate and accurate information to the potential LSA waste disposal contractors, modeling of the shielding provided by the LSA boxes was originally expected. In order to model the radiological contents of the LSA boxes, the physical composition of the containers is required to calculate their radiological shielding. This information includes the material that the boxes are composed of, the physical dimensions of the boxes, and the thickness of the materials used to construct the containers. However when measured, the LSA boxes exhibited such low gamma radiation that USEI indicated a model was not needed. Therefore, construction material identification, LSA box dimensions, and manufacturer's information was not required.

2.5 Waste Profile Preparation and State Acceptance Letters

The ECC team prepared waste profiles and profile addendum documentation based on the historical and analytical data provided with the SOW. Waste containers were grouped according to media type and were submitted for the disposal facilities for review and approval and the USACE was listed as the Generator.

Copies of the NFSS waste profiles are included in Appendix D of this report.

After completing their compliance reviews, the disposal facilities submitted the profiles to their respective State in which the disposal landfill is located. The state level reviews and approvals of the waste profiles were provided prior to shipment of the IDW and Legacy Waste off-site from NFSS. ECC and I.C.E. supplied the USACE with a copy of each Disposal State's Acceptance Letters (Appendix F) indicating the waste was acceptable for disposal at the designated facility.

2.6 Field Activities

The following sections describe the NFSS IDW and Legacy Waste inspection, packaging, loading, and T&D activities.

2.6.1 Preparation of Containerized Waste

ECC and the OSTC identified the final waste classifications and transport marking, labeling, placarding, and manifesting prior to mobilizing to the field and confirmed their decisions at the NFSS based on results of on-site radiological laboratory analysis and radiological surveys. The project team packaged and/or repackaged the IDW and Legacy Waste as necessary to comply with the above mentioned requirements. Repackaging was deemed necessary when ECC and the OSTC identified during inventory confirmation and container evaluation, that either waste was not currently inside DOT-compliant containers (i.e., drums, LSA boxes, boxes, etc.), or existing containers were not in suitable condition for loading and transport (i.e., corroded or damaged).

Five 55-gallon drum containers at the NFSS were determined to be unsuitable for loading and transport, and were repackaged into larger containers (overpacked into 85-gallon white plastic

containers) for loading, transport and disposal at the designated Disposal Facility. Photos of the overpack containers are included in Appendix C.

No fluids were generated from decontaminating existing containers being replaced, and all solids (i.e., spent PPE) generated during packaging and repackaging were placed into containers and transported along with other project investigation derived wastes (e.g., debris) for disposal at the designated disposal facility.

ECC did not mix any soil with debris or other IDW and Legacy Waste for any purpose. Waste container WC-225, a 250 milliliter plastic jar with mercury waste, was placed into waste container WC-222, a 55-gallon drum containing mercury-impacted waste during a previous phase of site investigation effort. This drum was transported to and disposed of by Cycle Chem. No size reduction was necessary or completed to accomplish shipping.

2.6.2 Labeling of Containerized Waste

All exiting markings including waste container numbers were covered and blocked with spray paint. After covering all existing markings, the project team applied the disposal facility approval numbers to each drum. The project team ensured the disposal facility approval number placed on each drum matched the approval number on the manifest shipping the waste containers.

2.6.3 Placarding

Placards were applied to all transportation vehicles according to the container contents and hazard classification. All waste containers were shipped as DOT non-hazardous. ECC provided primary and secondary placards consistent with the requirements of 49 CFR 172, Subpart F as required. Placards were provided for each side and each end of freight containers, and transport vehicles requiring such placarding. The placards were plastic, metal or other material that was capable of withstanding, without deterioration, a 30-day exposure to open weather conditions and met design requirements specified in 49 CFR 172, Subpart F.

2.6.4 Personal Protective Equipment

All solids (i.e., spent PPE or personnel decontamination materials) generated during inspection, screening, gamma ray measurement or waste preparation activities including management of fluid and solid wastes, were consolidated with other waste on the Site. This was completed per USACE direction and acceptance, and was placed into existing waste containers and transported along with other project IDW (e.g., debris) for disposal. ECC and I.C.E. ensured that every effort was made to minimize the volume of decontamination and PPE wastes.

2.6.5 Radiological Screening

All survey and loading work performed under this Contract was completed in accordance with all ARARs and other Federal, State and Local laws and regulations, and disposal facility requirements. ECC, with assistance from I.C.E., identified and paid all taxes, surcharges, and fees associated with transport of the waste, including but not limited to all fees imposed by

Federal, State, Regional, County and/or Local governmental agencies or authorities. They also secured all required permits, licenses, and approvals necessary to package, load, transport and dispose IDW and Legacy Waste.

Upon arrival at the loading site at the start of the project, ECC conducted general and radiological surveys of empty transport trailers and the bulk liquid tanker to confirm the vehicles met the DOT radiological release criteria. Vehicles provided were free of residual waste material and met DOT criteria. All transportation vehicles met the acceptance criteria upon completion of the arrival survey.

Additionally, wipe samples were collected from each waste container prior to leaving the Site. Radiological surveys performed on waste packages, equipment, and floor surfaces did not indicate the presence of removable radiological contamination exceeding the values presented in Table 6.4 of EM-385-1-80, or the removable contamination and dose rate limits presented in 49 CFR 173. Radiological screening results for waste packages, equipment and arriving vehicles are presented in Appendix E-2.

ECC also conducted a radiological survey of the loaded transport vehicles to ensure that the dose rate and removable contamination levels were in compliance with Table 4-1 of the WTDMP. Similarly, radiological surveys performed on loaded vehicles did not indicate the presence of removable radiological contamination exceeding the values presented in Table 6.4 of EM-385-1-80, or the removable contamination and dose rate limits presented in 49 CFR 173. Appendix E-2 includes all radiological scanning field survey results (release field data) collected during this effort. Vehicles were released for transport to designated disposal facilities following review/approval of the surface contamination and dose rate surveys by the SSHO/HPT, preparation of shipping documents by the OSTC, and USACE acceptance/signature of shipping documents. Manifests and shipping instructions were completed ahead of time to ensure that appropriate USACE signatures and acceptance were received prior to transport.

2.6.6 Loading of Investigation Derived Waste and Legacy Waste

All waste containers were loaded onto permitted transportation vehicles in their original containers; except for:

- The liquid waste stream,
- The five over packed drums described in Section 2.6.1, and
- The Lab Pack.

Drums were banded together on pallets and loaded directly onto enclosed trailers. LSA boxes were also loaded onto enclosed trailers. A rough terrain forklift was utilized to lift and place the palletized drums and LSA boxes onto the designated transport vehicles. Precaution was taken to ensure that a spotter was always used when loading the waste containers so none of the containers were punctured by the forks of the lift. Any container that was not secured on a wooden pallet was secured to the forklift mast using cargo straps. Upon placing the containers onto the transport vehicle, pallet jacks were used to locate the palletized containers to a specific

area within the transport vehicle. All containers were chocked and blocked inside the transfer trailers, after placement.

2.6.7 Shipment of Liquid Waste

All waste containers containing water were combined per the approved waste profile descriptions for shipment in bulk. Pumping of the liquid waste from three poly tanks (Tanks 1, 2 3 – Appendix B) and six 55-gallon steel drums containing water (WC-643 through WC-646, WC-218 and WC-219 – Appendix B); was performed in a controlled manner. Prior to pumping liquid into the transport tanker, ECC confirmed the tanker was empty and decontaminated. All hoses used to transfer the liquids into the tanker had Cam-Loc fittings. The tanker was inspected to identify any location (i.e., valves, hose sections) with the potential for leaks; no repairs or replacements were required. Drainage and decontamination of all hose sections was accomplished in accordance with the SOW so liquids were captured and deposited into the tanker.

The liquid transport tanker was also radiologically surveyed upon arrival at the NFSS loading site, and released for transport to the WCS disposal facility as described in section 2.65 of this report. The six empty 55-gallon drums and three empty poly ASTs were left at the NFSS per USACE directions. The three 55-gallon steel drums containing waste oil (WC-220, WC-221, and WC-223 – Appendix B) and the 55-gallon drum containing mercury and mercury contaminated materials (WC-222 and WC-225) were sent for disposal at Cycle Chem according to the approved profiles.

2.6.8 Transportation Routes

Transportation routes utilized were as shown in Attachment 3 of the HMMP (Attachment SP-5 of the APP). Procedures and responsibilities for spill prevention, response activities and cleanup associated with the handling and loading of containerized wastes were in compliance with the approved APP/SSH and WMTDP. During transportation of waste shipments from the site to the designated disposal facility, I.C.E. had the lead responsibility to manage any releases that occurred while in transport. No transportation issues occurred and all waste shipments were safely transported to their final disposal destinations. Figures 2-1, 2-2 and 2-3 show the three transportation routes utilized by I.C.E. to ship the IDW and Legacy Waste to their final disposal locations.

2.6.9 Shipment Tracking

All waste shipments had associated manifests that accompanied the shipments from their point of origin to the disposal facility. A summary of the shipments is provided in Table 2-2. Copies of the shipping papers generated as part of this project are presented in Appendix G. The OSTC kept in constant contact with the transporting vehicles via cell phone and was available 24-hours per day, every day until the shipment was received at the designated facility. The longest transport time for any shipment was 7 calendar days. ECC requested and ensured the disposal facilities contacted the project OSTC the day the waste shipment arrived at the disposal facility to verify safe delivery. Copies of completed and signed waste manifests are included in Appendix G. Four weight tickets are included in Appendix G without manifest numbers. These weight tickets all correspond to Manifest 000288433.

The liquid was solidified at WCS, which resulted in four (4) truckloads represented by the weight tickets that do not have manifest numbers on them. The time period from October 1 through October 5, 2010 was over a weekend. Also, the solidification process and subsequent landfill dumping can take a few business days to complete.

Table 2-2
Shipment Summary Table
Niagara Falls Storage Site
Lewiston, New York

Manifest Number	Material Shipped	Transporter*	No. and Type of Containers	Disposal Facility*
000288432 GBF	Soil/Debris	Landstar	33 drums	WCS
000288444 GBF	Soil/Debris	Landstar	89 drums	WCS
000288445 GBF	Soil/Debris	Landstar	104 drums	WCS
000288433 GBF	Bulked Liquids	Hazmat	3,500 Gallons	WCS
10100510030	LSA Boxes	Landstar	16 Boxes	USE
0103201101	Soils/Debris CG-109	Landstar	23 drums	USE
001055591 JJK	Lab Pack**	OP-Tech	Miscellaneous	Cycle Chem
00001	Waste Oil and mercury-impacted material	OP-Tech	4 drums ⁺	Cycle Chem

*Refer to Section 2.2, page 2-2, for complete information on the transporters and disposal facilities

**

Lab Pack includes 22 miscellaneous containers

⁺ Four (4) drums consist of three 55-gallon drums of waste oil and one (1) 55-gallon drum containing mercury contaminated materials

ECC verified the inventory against all the manifests. Waste container WC-222 and WC-225 are listed as two separate items in the project inventory list; however, WC-225 was placed inside WC-222. WC-222 was disposed of at Cycle Chem. This resulted in 221 55-gallon drums and 5 poly overpacks, for a total of 226 containers transported to WCS, and 23 55-gallon drums disposed of at USEI.

2.7 Certificates of Disposal

Once the waste shipment was received at the designated disposal facility, a signed copy of the manifest and Certificate of Disposal was forwarded from the facility to the USACE. Appendix H presents copies of the Certificates of Disposal for this NFSS project as provided by each disposal facility.

3.0 PERFORMANCE STANDARDS AND HEALTH AND SAFETY

Quality performance standards and procedures were followed for the NFSS project to ensure adequate waste profiling and shipment preparation, transportation and disposal.

3.1 Radiation Protection and Site Control

All NFSS activities were performed in strict accordance with the Supplemental Plan 4 of the project APP - Radiation Protection Plan (RPP). All requirements of the RPP were met during the field work associated with the inspection, loading, transportation, and disposal of the NFSS IDW and Legacy Wastes. Potential exposure to radiological contaminants was minimal for the NFSS project. All hazards were evaluated prior to making a final determination of required levels of PPE. The hazards review considered the level of contamination (hazardous and radiological), the environment in the work area, and the type of work being performed. The SSHO, in concurrence with the ESQM and CHP, made the final determination of radiological and Site controls, and the level of PPE prior to the start of site preparation and waste handling activities.

Site control procedures for the NFSS project site included the main access point in the facility which was manned 24/7 by a security detail. Once inside the NFSS facility, the T&D project site team established work zones in order to prevent unauthorized access and to secure the work areas. These work zones were established and delineated with, at a minimum, caution/danger/hazard/ construction line tape or otherwise with temporary construction fencing of the complete perimeter with secured access and egress locations and with appropriate work area signage.

Survey and sample collection activities performed in radiological posted areas were performed using Radiation Worker Permits (RWPs) and access control per ECC standard operating procedure (SOP) *ECC SOP, R-700 Radiation Work Permits*, and per *ECC R-SOP, 701 Access Control*. Posted radiologically controlled areas (RCAs) were controlled for the NFSS project through the use of Contamination Zones (CZs), Contamination Reduction Zones (CRZs), and Support Zones (SZs), as described in the project RPP.

RCAs were designed and established by the SSHO/HPT to prevent employees, contractors, visitors, and the surrounding environment from exposure to radiation and radiological contamination during site activities. RCAs were established by the SSHO/HPT and encompassed any area where intrusive tasks were performed. Movement of personnel and equipment between work areas and on and the remainder of the site were controlled by means of designated access points. Minimum PPE for work in each RCA was based upon radiological monitoring results and documented on the RWP for that work activity.

Contamination surveys were conducted on all incoming and outgoing vehicles, on all waste containers prior to loading, and on all site equipment/personnel that entered or left a CZ. Contamination surveys were accomplished using direct measurements for total radioactivity and swipe surveys for removable contamination. The direct measurement “frisking” method was performed using a calibrated and daily source checked radiation detection instrument capable of

detecting alpha, beta and gamma radiations. Swipe samples were collected over a finite surface area, ideally 100 square centimeters (cm^2) (or the entire surface of the object if less than 100 cm^2), and analyzed using on-site laboratory counting equipment for alpha and beta radioactive contamination as per *ECC R-SOP,-209 Unconditional Release of Survey Procedures*. Contamination surveys were used to ascertain that materials, working surfaces, and equipment were not contaminated with radioactive material above the action level. The HPT was responsible for assessing the results of these surveys and instituting any corrective actions that were warranted, (i.e., re-survey and/or decontamination). Surveys performed on waste packages, equipment, and floor surfaces did not indicate the presence of removable radiological contamination exceeding the values presented in Table 6.4 of EM-385-1-80, or the removable contamination and dose rate limits presented in 49 CFR 173.

All personnel performing waste handling and loading operations on-site were required to use the appropriate level of PPE. Level D PPE was worn during all stages of the field work including non-intrusive activities where no known contamination was present. Dose rates at the NFSS were generally very low. Waste handling and loading activities did not pose a risk of doses to personnel that approached Tier 2 Dose Limits as described in *USACE Regulation ER 385-1-80, Radiological Safety*. Therefore, no radiation dosimetry was required or performed for the planned waste handling, loading, and transportation activities at the Site. Exposure rate surveys were performed periodically to validate this assumption.

3.2 Quality Control

Based on the extent and duration of the scheduled field activities, ECC designated Mike LaBanc as the Project Quality Control System Manager (QCSM); as well as the HPT and SSHO. The QCSM implemented the task specific CQCP. Mr. Michael LaBanc, the Project's Senior HPT, inspected and monitored work activities to ensure site operations, including load out activities, were conducted in accordance with the project WMTDP, SSHP, RPP, USACE requirements, applicable federal regulations, and industry accepted ALARA principles.

3.3 Health and Safety and Site Control

General Health and Safety

Section 2.2 of the APP and Section 2.0 of this report list the definable features (phases) of work for this project. AHAs for each phase were included in Appendix B of the APP or were submitted and approved before commencement of the project. The AHAs did not require revision for site-specific activities, and were reviewed with the entire work crew before commencement of work. The SSHO, Michael LaBanc, implemented the task-specific APP. As the SSHO he was responsible for:

- Serving as the general site Competent Person (no work was completed unless the SSHO or a suitable Competent Person was on site)
- Overseeing compliance with the APP procedures and Occupational Safety and Health Administration (OSHA) regulations through informal daily inspections

- Serving as a member of the quality control (QC) staff on matters relating to safety and health
- Stopping work if unacceptable safety and health conditions existed, and taking necessary action to re-establish and maintain safe working conditions
- Consulting and coordinating modifications to the APP with the Project Health and Safety Manager and the ECC PM
- Ensuring all site personnel and visitors are properly trained in site hazards

Radiological Health and Safety

Mr. LaBanc reported directly to the Project Health Physicist (PHP). The HPT was assigned by the PHP to provide support field activity implementation of RPP requirements. The HPT provided guidance in RPP matters to field personnel. The HPT had stop work authority for radiological safety matters and activities that could result in an unsafe act or condition. The project HPT was responsible for the following:

- Conducting routine and job-specific radiological surveys (i.e., radiation, contamination, and airborne radioactivity)
- Establishing radiological postings
- Implementing the PPE and respiratory protection programs for the purpose of keeping radiation exposures ALARA
- Maintaining and operating portable health physics survey instrumentation used in the performance of radiation protection activities
- Performing transportation equipment arrival radiological surveys according to applicable DOT regulations
- Performing unconditional release surveys of material and transportation equipment from the restricted area
- Providing the PHP and the project Industrial Hygienist (IH) data by performing safety monitoring, and compiling safety monitoring and inspection reports

Throughout the duration of the NFSS T&D project, there were no health or safety, or radiological exposure incidents, accidents or lost-time injuries. No significant QC, health, safety, or radiological safety or exposure issues arose during the inspection, loading, transporting, or disposing of the IDW and Legacy Waste material from the NFSS. Project man-hours of all field activities have been tracked and documented. Man-hour Reports are provided in Appendix I.

3.4 Waste Container Packaging, Handling, and Spill Prevention and Control

All NFSS material preparation, inspection, loading, and T&D activities were completed in accordance with the HMMP, Attachment SP-5 of the project APP. The primary objective of the HMMP was to detail the manner in which wastes stored at NFSS were to be managed by ECC from initial inventory of waste containers, and packaging of containers for transport, to the loading, transportation and delivery of waste containers to the designated disposal facilities. Waste management and transportation activities were conducted in such a manner to provide a

level of protection to the public and T&D workers that is consistent with applicable chemical and radiation exposure guidelines and with the objective of achieving ALARA.

Except for the liquid waste stream, all waste containers were loaded onto permitted transportation vehicles in their original containers, with the exceptions described in Section 2.6.6 of this report (liquid wastes, overpacks, and Lab Pack). Drums were banded together on pallets and loaded directly onto enclosed trailers. LSA boxes were also be loaded onto enclosed trailers. A rough terrain forklift was utilized to lift and place the palletized drums and LSA boxes onto the designated transport vehicles. Precautions were taken to ensure that a spotter was always used when loading the waste containers so none of the containers are punctured by the forks of the lift. Any container that was not secured on a pallet, was secured to the forklift mast using cargo straps for loading. Upon placing the containers onto the transport vehicle, pallet jacks were used to locate the palletized containers to a specific area within the transport vehicle. All containers were chocked and blocked inside the transfer truck trailers, after placement.

During transportation of waste shipments from the NFSS to the designated disposal facilities, I.C.E. had the lead responsibility to manage any releases that may have occurred while in transport. Attachment 4 of the HMMP provided a copy of the I.C.E. Transportation Spill Prevention Control and Countermeasures Plan (SPCCP). There were no spills of any solid or liquid remedial NFSS IDW or Legacy Waste during their inspection, packaging, labeling, transportation or disposal of these wastes.

FIGURES

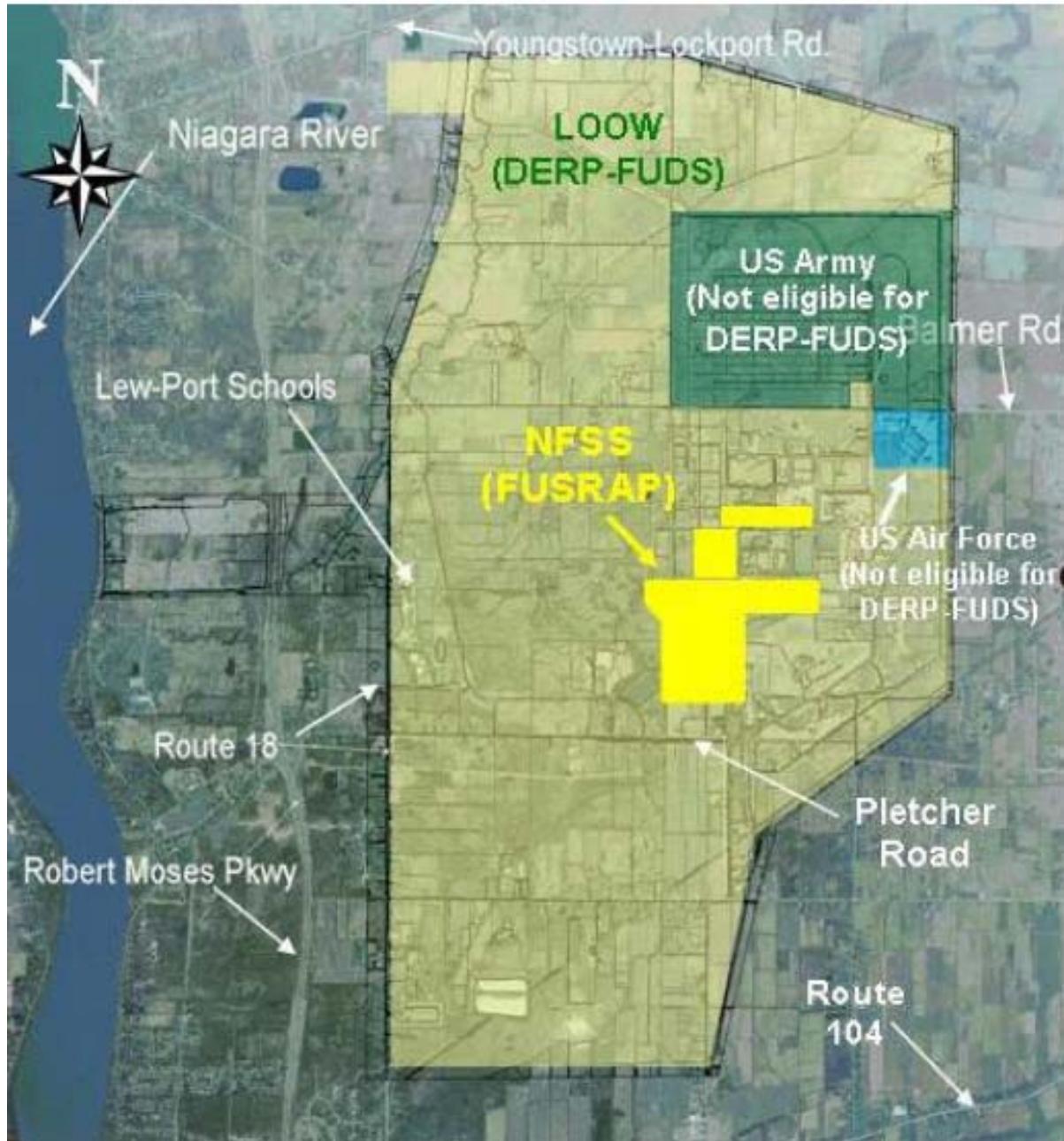


Figure 1-1
NFSS Site Location Map
Niagara Falls Storage Site
Lewiston, New York



Figure 2-1
Route Map NFSS to Waste Control Specialists (WCS)
Dallas, Texas
Niagara Falls Storage Site
Lewiston, New York



Figure 2-2
Route Map NFSS to US Ecology – Idaho (USEI)
Boise, Idaho
Niagara Falls Storage Site
Lewiston, New York



Figure 2-3
Route Map NFSS to Cycle Chem, Inc.
Elizabeth, New York
Niagara Falls Storage Site
Lewiston, New York

APPENDIX A

**Solid and Liquid Analytical Results
and
Listing of Components of Composite Samples**

APPENDIX A

Solid and Liquid Analytical Results and Listing of Components of Composite Samples

Table 1. Analytical Results for Solid Waste Samples

Parameter	Unit	CG-100	CG-101	CG-102*	CG-103	CG-105	CG-106	CG-107	CG-108	CG-109	CG-110	CG-111
Volatile Organic Compounds (TCLP)												
1,1-Dichloroethylene	mg/L	0.003 U	0.003 U									
1,2-Dichloroethane	mg/L	0.0025 U	0.0025 U									
1,4-Dichlorobenzene	mg/L	0.0025 U	0.0025 U									
2-Butanone**	mg/L	0.0125 U	0.0125 U	0.0143 J	0.0125 U	0.0135 J	0.0125 U	0.0125 U	0.0125 U	0.0163 J	0.0125 U	0.0125 U
Benzene	mg/L	0.003 U	0.003 U									
Carbon tetrachloride	mg/L	0.003 U	0.003 U									
Chlorobenzene	mg/L	0.0025 U	0.0025 U									
Chloroform	mg/L	0.0025 U	0.0025 U									
Tetrachloroethylene	mg/L	0.003 U	0.003 U									
Trichloroethylene	mg/L	0.0025 U	0.0025 U									
Vinyl chloride	mg/L	0.005 U	0.005 U									
Semi-Volatile Organic Compounds (TCLP)												
1,4-Dichlorobenzene	mg/L	0.01 U	0.01 U									
2,4,5-Trichlorophenol	mg/L	0.01 U	0.0398 J	0.01 U	0.01 U							
2,4,6-Trichlorophenol	mg/L	0.01 U	0.01 U									
2,4-Dinitrotoluene	mg/L	0.01 U	0.01 U									
Hexachlorobenzene	mg/L	0.01 U	0.01 U									
Hexachlorobutadiene	mg/L	0.01 U	0.01 U									
Hexachloroethane	mg/L	0.01 U	0.01 U									
m,p-Cresols	mg/L	0.015 U	0.015 U									
Nitrobenzene	mg/L	0.015 U	0.015 U									
o-Cresol	mg/L	0.01 U	0.01 U									
Pentachlorophenol	mg/L	0.01 U	0.01 U									
Pyridine	mg/L	0.015 U	0.015 U									
Herbicides (TCLP)												
2,4,5-TP	mg/L	0.0166 U	0.0166 U									
2,4-D	mg/L	0.0166 U	0.0166 U									
Pesticides (TCLP)												
Chlordane (tech.)	mg/L	0.00077 U	0.00077 U									
Endrin	mg/L	0.0001 U	0.0001 U									
gamma-BHC (Lindane)	mg/L	0.00005 U	0.00005 U									
Heptachlor	mg/L	0.00005 U	0.00005 U									
Heptachlor epoxide	mg/L	0.00005 U	0.00005 U									
Methoxychlor	mg/L	0.0005 U	0.0005 U									
Toxaphene	mg/L	0.0015 U	0.0015 U									
Metals (TCLP)												
Arsenic	mg/L	0.05 U	0.05 U									
Barium	mg/L	0.353	0.464	0.263	0.21	0.461	0.529	0.555	0.361	0.424	0.591	0.698
Cadmium	mg/L	0.158	0.151	0.0681	0.0193 J	0.01 U	0.01 U	0.01 U	0.0101 J	0.0239 J	0.01 U	0.01 U
Chromium	mg/L	0.0494 J	0.119	0.0179 J	0.0245 J	0.0172 J	0.01 U	0.015 J	0.0134 J	0.0181 J	0.0114 J	0.0111 J
Lead	mg/L	0.116	0.248	0.033 U	0.059 J	0.033 U	0.033 U	0.033 U	0.204	0.033 U	0.033 U	0.033 U
Mercury	mg/L	0.00066 U	0.00104 J	0.00066 U	0.00066 U	0.0763	0.00066 U	0.00066 U	0.00066 U	0.00066 U	0.00066 UJ	0.00066 UJ
Selenium	mg/L	0.05 U	0.0582 J	0.05 U								
Silver	mg/L	0.01 U	0.01 U									

Table 1. Analytical Results for Solid Waste Samples

Parameter	Unit	WC-167	WC-168	WC-169	WC-172	WC-173	WC-176	CG-125	CG-126	CG-131	CG-132
Volatile Organic Compounds (TCLP)											
1,1-Dichloroethylene	mg/L	0.003 U	0.003 U	0.003 U							
1,2-Dichloroethane	mg/L	0.0025 U	0.0025 U	0.0025 U							
1,4-Dichlorobenzene	mg/L	0.0025 U	0.0025 U	0.0025 U							
2-Butanone**	mg/L	0.0133 J	0.0125 U	0.0125 U	0.0125 U						
Benzene	mg/L	0.003 U	0.003 U	0.003 U							
Carbon tetrachloride	mg/L	0.003 U	0.003 U	0.003 U							
Chlorobenzene	mg/L	0.0025 U	0.0025 U	0.0025 U							
Chloroform	mg/L	0.0025 U	0.0025 U	0.0025 U							
Tetrachloroethylene	mg/L	0.003 U	0.586	0.003 U	0.293	0.003 U					
Trichloroethylene	mg/L	0.0025 U	0.0127	0.0025 U	0.0025 U	0.0025 U					
Vinyl chloride	mg/L	0.005 U	0.005 U	0.005 U							
Semi-Volatile Organic Compounds (TCLP)											
1,4-Dichlorobenzene	mg/L	0.01 U	0.01 U	0.01 U							
2,4,5-Trichlorophenol	mg/L	0.01 U	0.01 U	0.01 U							
2,4,6-Trichlorophenol	mg/L	0.01 U	0.01 U	0.01 U							
2,4-Dinitrotoluene	mg/L	0.01 U	0.01 U	0.01 U							
Hexachlorobenzene	mg/L	0.01 U	0.01 U	0.01 U							
Hexachlorobutadiene	mg/L	0.01 U	0.01 U	0.01 U							
Hexachloroethane	mg/L	0.01 U	0.01 U	0.01 U							
m,p-Cresols	mg/L	0.015 U	0.015 U	0.015 U							
Nitrobenzene	mg/L	0.015 U	0.015 U	0.015 U							
o-Cresol	mg/L	0.01 U	0.01 U	0.01 U							
Pentachlorophenol	mg/L	0.01 U	0.01 U	0.01 U							
Pyridine	mg/L	0.015 U	0.015 U	0.015 U							
Herbicides (TCLP)											
2,4,5-TP	mg/L	0.0166 U	0.0166 U	0.0166 U							
2,4-D	mg/L	0.0166 U	0.0166 U	0.0166 U							
Pesticides (TCLP)											
Chlordane (tech.)	mg/L	0.00077 U	0.00077 U	0.00077 U							
Endrin	mg/L	0.0001 U	0.0001 U	0.0001 U							
gamma-BHC (Lindane)	mg/L	0.00005 U	0.00005 U	0.0003	0.00126	0.00018 J	0.00005 U	0.00005 U	0.00005 U	0.00005 U	0.00005 U
Heptachlor	mg/L	0.00005 U	0.00005 U	0.00005 U							
Heptachlor epoxide	mg/L	0.00005 U	0.00005 U	0.00005 U							
Methoxychlor	mg/L	0.0005 U	0.0005 U	0.0005 U							
Toxaphene	mg/L	0.0015 U	0.0015 U	0.0015 U							
Metals (TCLP)											
Arsenic	mg/L	0.05 U	0.05 U	0.05 U							
Barium	mg/L	0.0363 J	0.208	0.383	0.414	0.185	0.252	0.519	0.277	0.701	0.864
Cadmium	mg/L	0.012 J	0.0103 J	0.677	0.81	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Chromium	mg/L	0.0262 J	0.01 U	0.0721	0.0998	0.0104 J	0.019 J	0.01 U	0.01 U	0.0187 J	0.0157 J
Lead	mg/L	0.033 U	0.033 U	1.24	0.25	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U
Mercury	mg/L	0.00066 UJ	0.00066 U	0.00066 U							
Selenium	mg/L	0.0689 J	0.0722 J	0.0971 J	0.0681 J	0.0746 J	0.05 U	0.05 U	0.0647 J	0.05 U	0.05 U
Silver	mg/L	0.01 U	0.01 U	0.01 U							

Table 1. Analytical Results for Solid Waste Samples

Parameter	Unit	CG-100	CG-101	CG-102*	CG-103	CG-105	CG-106	CG-107	CG-108	CG-109	CG-110	CG-111
Polychlorinated Biphenyls (Total)												
Aroclor-1016	µg/kg	27.7 U	111 U	55.4 U	5.55 U	5.54 U	5.53 U	554 U	22.1 U	55.2 U	1.11 U	1.11 U
Aroclor-1221	µg/kg	27.7 U	111 U	55.4 U	5.55 U	5.54 U	5.53 U	554 U	22.1 U	55.2 U	1.11 U	1.11 U
Aroclor-1232	µg/kg	27.7 U	111 U	55.4 U	5.55 U	5.54 U	5.53 U	554 U	22.1 U	55.2 U	1.11 U	1.11 U
Aroclor-1242	µg/kg	27.7 U	111 U	55.4 U	5.55 U	5.54 U	5.53 U	554 U	22.1 U	55.2 U	1.11 U	1.11 U
Aroclor-1248	µg/kg	27.7 U	4410	55.4 U	5.55 U	5.54 U	5.53 U	17800	22.1 U	55.2 U	1.11 U	1.11 U
Aroclor-1254	µg/kg	105 J	5310	1560	105	34.8	5.53 U	9040	22.1 U	3510	1.11 U	1.11 U
Aroclor-1260	µg/kg	27.7 U	2130 J	1150 J	5.55 U	5.54 U	6.8 J	554 U	22.1 U	1490	1.11 U	25.2
Total PCBs (Calculated)	µg/kg	105	11850	2710	105	34.8	6.8	26840	ND	5000	ND	25.2
Radiological Compounds												
Plutonium-238	pCi/g	0.348 U	0.134 U	0.144 U	0.145 U	0.046 U	0.165 U	-0.0314 U	0.39 U	0.197 U	0.135 U	-0.0133 U
Plutonium-239/240	pCi/g	0.00196 U	0.0811 U	0.107 U	0.0877 U	-0.0145 U	0.0165 U	-0.047 U	-0.0366 U	0.00 U	-0.015 U	0.0421 U
Radium-226	pCi/g	0.398	10.4	1.45	0.197	1.13	1.22	13.6	8.51	0.929	1.02	0.826
Radium-228	pCi/g	0.0123 U	0.256 U	0.392	0.257	6.41	1.06	1.22	0.274 U	1.46	1.07	0.983
Thorium-228 (Gamma Spec)	pCi/g	0.0716 U	0.329	0.417	0.208	6.84	0.93	1.29	0.378	1.26	1.06	1.01
Thorium-228 (Alpha Spec)	pCi/g	-0.00893 U	0.0378 U	0.163 U	1.4	3.99	0.498	1.09	0.293	0.862	0.68	1.21
Thorium-230	pCi/g	-0.0077 U	4	0.738	1.27	0.345	1.1	16	0.239	0.61	1.3	0.757
Thorium-232	pCi/g	-0.0123 U	0.0891 U	0.304	0.203	2.77	1.06	1.2	0.397 U	0.757	0.776	0.844
Uranium-233/234	pCi/g	0.0952	17.8	0.815	0.0924 U	1.39	0.349	3.24	0.151 U	5.67	0.95	0.889
Uranium-235 (Gamma Spec)	pCi/g	-0.299 U	2.48	-0.0783 U	-0.257 U	0.0966 U	0.0187 U	0.64	-0.0227 U	0.62	0.302 U	0.0508 U
Uranium-235/236	pCi/g	0.0861 U	0.988	-0.0682 U	-0.011 U	0.0909 U	0.0444 U	0.0476 U	0.0881 U	0.351	0 U	0.116 U
Uranium-238 (Gamma Spec)	pCi/g	-2.79 U	35.1	2.35 U	-0.633 U	-0.349 U	0.656 U	2.15	0.0344 U	10.9	1.96	0.368 U
Uranium-238 (Alpha Spec)	pCi/g	0.139	19.6	0.426	0.205	1.13	0.467	3.24	0.107	6.71	0.803	0.779
Miscellaneous												
Asbestos	NA	NA	NA	Detected	NA	NA	NA	NA	NA	NA	NA	NA

* Asbestos was detected in four of the six waste containers that comprise this composite group.

**Also known as Methyl ethyl ketone

Note: WC-169 and WC-172 (paint chips) were not analyzed for radiological compounds due to limited sample volume.

NA: Not Analyzed

ND: Not Detected

Table 1. Analytical Results for Solid Waste Samples

Parameter	Unit	WC-167	WC-168	WC-169	WC-172	WC-173	WC-176	CG-125	CG-126	CG-131	CG-132
Polychlorinated Biphenyls (Total)											
Aroclor-1016	µg/kg	11 U	5.54 U	NA	NA	5.54 U	11.1 U	1.11 U	1.11 U	5.52 U	1.1 U
Aroclor-1221	µg/kg	11 U	5.54 U	NA	NA	5.54 U	11.1 U	1.11 U	1.11 U	5.52 U	1.1 U
Aroclor-1232	µg/kg	11 U	5.54 U	NA	NA	5.54 U	11.1 U	1.11 U	1.11 U	5.52 U	1.1 U
Aroclor-1242	µg/kg	11 U	5.54 U	NA	NA	5.54 U	11.1 U	1.11 U	1.11 U	5.52 U	1.1 U
Aroclor-1248	µg/kg	185	23.7 J	NA	NA	5.54 U	11.1 U	1.11 U	1.11 U	5.52 U	1.1 U
Aroclor-1254	µg/kg	212	27.7	NA	NA	359	11.1 U	1.11 U	1.11 U	5.52 U	1.1 U
Aroclor-1260	µg/kg	11 U	5.54 U	NA	NA	5.54 U	11.1 U	1.11 U	1.11 U	42.8	1.1 U
Total PCBs (Calculated)	µg/kg	397	27.7	NA	NA	359	ND	ND	ND	42.8	ND
Radiological Compounds											
Plutonium-238	pCi/g	-0.0247 U	-0.147 U	NA	NA	0.0991 U	-0.018 U	-0.0136 U	-0.0614 U	-0.0164 U	0 U
Plutonium-239/240	pCi/g	0.0392 U	0.0361 U	NA	NA	-0.0686 U	-0.0541 U	-0.0136 U	-0.024 U	-0.0164 U	0.0624 U
Radium-226	pCi/g	0.528	0.347	NA	NA	0.344	1.58	0.413	0.755	0.775	0.659
Radium-228	pCi/g	0 UI	0 UI	NA	NA	0.554	1.97	0 UI	0.729	1.03	0.842
Thorium-228 (Gamma Spec)	pCi/g	0.0634 U	0 UI	NA	NA	0.371	1.94	0.558	0.861	1.01	0.89
Thorium-228 (Alpha Spec)	pCi/g	0.15	-0.0102 U	NA	NA	0.486	2.01	0.695	0.814	0.804	0.703
Thorium-230	pCi/g	0.151	0.669	NA	NA	0.863	1.96	0.31	0.571	0.919	0.866
Thorium-232	pCi/g	0.155	0.125	NA	NA	0.547	1.95	0.388	0.56	0.994	0.991
Uranium-233/234	pCi/g	0.19	0.898	NA	NA	4.25	1.87	0.115	0.3	1.04	0.78
Uranium-235 (Gamma Spec)	pCi/g	0.0552 U	-0.14 U	NA	NA	-0.0055 U	0.182 U	0.107 U	0.0106 U	0.241 U	0.095 U
Uranium-235/236	pCi/g	0.0409 U	0.0898 U	NA	NA	0.176	0.0904 U	0.0515 U	0 U	0.0698 U	0 U
Uranium-238 (Gamma Spec)	pCi/g	1.28 U	-0.299 U	NA	NA	1.97 U	2.75 U	0.97 U	0.0453 U	-0.187 U	0 UI
Uranium-238 (Alpha Spec)	pCi/g	0.165	0.709	NA	NA	3.66	1.79	0.157 U	0.518	1.4	1.06
Miscellaneous											
Asbestos		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

* Asbestos was detected in four of the six waste contain

**Also known as Methyl ethyl ketone

Note: WC-169 and WC-172 (paint chips) were not anal

NA: Not Analyzed

ND: Not Detected

Table 2. Analytical Results for Liquid Samples

Parameter	Unit	CG-104*	CG-113**	WC-219	WW0001-0129	WW0001F-0130	WW10001-0131	WW10001F-0132	WW20001-0133	WW20001F-0134	WW30001-0135	WW30001F-0136
Volatile Organic Compounds												
1,1,1-Trichloroethane	µg/L	NA	136 HUh	1 U	650 U	NA	0.325 U	NA	0.325 U	NA	0.325 U	NA
1,1,2,2-Tetrachloroethane	µg/L	NA	136 HUh	1 U	500 U	NA	0.25 U	NA	0.25 U	NA	0.25 U	NA
1,1,2-Trichloroethane	µg/L	NA	136 HUh	1 U	500 U	NA	0.25 U	NA	0.25 U	NA	0.25 U	NA
1,1-Dichloroethane	µg/L	NA	136 HUh	1 U	600 U	NA	0.3 U	NA	0.3 U	NA	0.3 U	NA
1,1-Dichloroethylene	µg/L	NA	136 HUh	1 U	600 U	NA	0.3 U	NA	0.3 U	NA	0.3 U	NA
1,2-Dichloroethane	µg/L	NA	136 HUh	1 U	500 U	NA	0.25 U	NA	0.25 U	NA	0.25 U	NA
1,2-Dichloropropane	µg/L	NA	136 HUh	1 U	500 U	NA	0.25 U	NA	0.25 U	NA	0.25 U	NA
2-Butanone	µg/L	NA	2040 HJh	44.4	2500 U	NA	1.25 U	NA	2.48 J	NA	2.44 J	NA
2-Hexanone	µg/L	NA	682 HUh	1.46 J	2500 U	NA	1.25 U	NA	1.25 U	NA	1.25 U	NA
4-Methyl-2-pentanone	µg/L	NA	568 HUh	2.57 J	2500 U	NA	1.25 U	NA	1.25 U	NA	1.25 U	NA
Acetone	µg/L	NA	755 HUh	180	3000 U	NA	2860 J	NA	120	NA	1510 J	NA
Benzene	µg/L	NA	136 HUh	1 U	600 U	NA	0.3 U	NA	0.3 U	NA	0.3 U	NA
Bromodichloromethane	µg/L	NA	136 HUh	1 U	500 U	NA	0.25 U	NA	0.25 U	NA	0.25 U	NA
Bromoform	µg/L	NA	136 HUh	1 U	500 U	NA	0.25 U	NA	0.25 U	NA	0.25 U	NA
Bromomethane	µg/L	NA	136 HUh	1 U	600 U	NA	0.3 U	NA	0.3 U	NA	0.3 U	NA
Carbon disulfide	µg/L	NA	568 HUh	5 U	2500 U	NA	1.25 U	NA	1.25 U	NA	1.25 U	NA
Carbon tetrachloride	µg/L	NA	136 HUh	1 U	600 U	NA	0.3 U	NA	0.3 U	NA	0.3 U	NA
Chlorobenzene	µg/L	NA	136 HUh	1 U	500 U	NA	0.25 U	NA	0.25 U	NA	0.25 U	NA
Chloroethane	µg/L	NA	136 HUh	1 U	600 U	NA	0.3 U	NA	0.3 U	NA	0.3 U	NA
Chloroform	µg/L	NA	136 HUh	1 U	500 U	NA	0.55 J	NA	2.9	NA	2.09	NA
Chloromethane	µg/L	NA	136 HUh	0.64 J	600 U	NA	0.35 J	NA	0.3 U	NA	0.3 U	NA
cis-1,2-Dichloroethylene	µg/L	NA	136 HUh	1 U	600 U	NA	0.3 U	NA	0.3 U	NA	0.41 J	NA
cis-1,3-Dichloropropylene	µg/L	NA	136 HUh	1 U	500 U	NA	0.25 U	NA	0.25 U	NA	0.25 U	NA
Ethylbenzene	µg/L	NA	136 HUh	4.63	500 U	NA	0.25 U	NA	0.25 U	NA	0.25 U	NA
Methylene chloride	µg/L	NA	909 HUh	5 U	4000 U	NA	2 U	NA	2 U	NA	2 U	NA
Styrene	µg/L	NA	136 HUh	14.7	500 U	NA	0.25 U	NA	0.25 U	NA	0.25 U	NA
Tetrachloroethylene	µg/L	NA	136 HUh	1 U	137000	NA	3.55	NA	19.3	NA	44.6	NA
Toluene	µg/L	NA	258 HJh	31.4	500 U	NA	0.25 U	NA	0.25 U	NA	0.25 U	NA
trans-1,2-Dichloroethylene	µg/L	NA	136 HUh	1 U	600 U	NA	0.3 U	NA	0.3 U	NA	0.3 U	NA
trans-1,3-Dichloropropylene	µg/L	NA	136 HUh	1 U	500 U	NA	0.25 U	NA	0.25 U	NA	0.25 U	NA
Trichloroethylene	µg/L	NA	150 HUh	1 U	14400	NA	0.37 J	NA	0.44 J	NA	6.53	NA
Vinyl chloride	µg/L	NA	136 HUh	1 U	1000 U	NA	0.5 U	NA	0.5 U	NA	0.5 U	NA
Xylenes (total)	µg/L	NA	664 Hh	14.3	600 U	NA	0.3 U	NA	0.3 U	NA	0.3 U	NA
Semi-Volatile Organic Compounds												
1,1'-Biphenyl	µg/L	NA	2800000 U	9.52 U	2.97 U	NA	2.68 U	NA	2.83 U	NA	2.83 U	NA
2,4,5-Trichlorophenol	µg/L	NA	1870000 U	9.52 U	1.98 U	NA	1.79 U	NA	1.89 U	NA	1.89 U	NA
2,4,6-Trichlorophenol	µg/L	NA	1870000 U	9.52 U	1.98 U	NA	1.79 U	NA	1.89 U	NA	1.89 U	NA
2,4-Dichlorophenol	µg/L	NA	1870000 U	9.52 U	1.98 U	NA	1.79 U	NA	1.89 U	NA	1.89 U	NA
2,4-Dimethylphenol	µg/L	NA	3270000 U	9.52 U	1.98 U	NA	1.79 U	NA	1.89 U	NA	1.89 U	NA
2,4-Dinitrophenol	µg/L	NA	3550000 U	19 U	4.95 U	NA	4.46 U	NA	4.72 U	NA	4.72 U	NA
2,4-Dinitrotoluene	µg/L	NA	935000 U	9.52 U	1.98 U	NA	1.79 U	NA	1.89 U	NA	1.89 U	NA
2,6-Dinitrotoluene	µg/L	NA	935000 U	9.52 U	1.98 U	NA	1.79 U	NA	1.89 U	NA	1.89 U	NA
2-Chloronaphthalene	µg/L	NA	308000 U	0.952 U	0.297 U	NA	0.268 U	NA	0.283 U	NA	0.283 U	NA
2-Chlorophenol	µg/L	NA	1870000 U	9.52 U	1.98 U	NA	1.79 U	NA	1.89 U	NA	1.89 U	NA
2-Methyl-4,6-dinitrophenol	µg/L	NA	1870000 U	9.52 U	2.97 U	NA	2.68 U	NA	2.83 U	NA	2.83 U	NA
2-Methylnaphthalene	µg/L	NA	187000 QU	0.952 U	0.297 U	NA	0.268 U	NA	0.283 U	NA	0.283 U	NA
2-Nitrophenol	µg/L	NA	1870000 U	9.52 U	1.98 U	NA	1.79 U	NA	1.89 U	NA	1.89 U	NA
3,3'-Dichlorobenzidine	µg/L	NA	2800000 U	9.52 U	1.98 U	NA	1.79 U	NA	1.89 U	NA	1.89 U	NA
4-Bromophenylphenoxyether	µg/L	NA	1870000 U	9.52 U	1.98 U	NA	1.79 U	NA	1.89 U	NA	1.89 U	NA
4-Chloro-3-methylphenol	µg/L	NA	1870000 U	9.52 U	1.98 U	NA	1.79 U	NA	1.89 U	NA	1.89 U	NA

Table 2. Analytical Results for Liquid Samples

Parameter	Unit	CG-104*	CG-113**	WC-219	WW0001-0129	WW0001F-0130	WW10001-0131	WW10001F-0132	WW20001-0133	WW20001F-0134	WW30001-0135	WW30001F-0136
4-Chloroaniline	µg/L	NA	1870000 QU	9.52 U	1.98 U	NA	1.79 U	NA	1.89 U	NA	1.89 U	NA
4-Chlorophenylphenylether	µg/L	NA	1870000 U	9.52 U	1.98 U	NA	1.79 U	NA	1.89 U	NA	1.89 U	NA
4-Nitrophenol	µg/L	NA	3080000 U	9.52 U	1.98 U	NA	1.79 U	NA	1.89 U	NA	1.89 U	NA
Acenaphthene	µg/L	NA	308000 U	0.952 U	0.307 U	NA	0.277 U	NA	0.292 U	NA	0.292 U	NA
Acenaphthylene	µg/L	NA	280000 QU	0.952 U	0.198 U	NA	0.179 U	NA	0.189 U	NA	0.189 U	NA
Acetophenone	µg/L	NA	1870000 U	9.52 QU	1.98 QU	NA	1.79 U	NA	1.89 U	NA	1.89 U	NA
Anthracene	µg/L	NA	187000 U	0.952 U	0.198 U	NA	0.179 U	NA	0.189 U	NA	0.189 U	NA
Atrazine	µg/L	NA	2800000 U	9.52 U	2.97 U	NA	2.68 U	NA	2.83 U	NA	2.83 U	NA
Benzaldehyde	µg/L	NA	2800000 U	9.52 U	2.97 U	NA	2.68 U	NA	2.83 U	NA	2.83 U	NA
Benzo(a)anthracene	µg/L	NA	280000 U	0.952 U	0.198 U	NA	0.179 U	NA	0.189 U	NA	0.189 U	NA
Benzo(a)pyrene	µg/L	NA	280000 U	0.952 U	0.198 U	NA	0.179 U	NA	0.189 U	NA	0.189 U	NA
Benzo(b)fluoranthene	µg/L	NA	280000 U	0.952 U	0.198 U	NA	0.179 U	NA	0.189 U	NA	0.189 U	NA
Benzo(ghi)perylene	µg/L	NA	280000 U	0.952 U	0.198 U	NA	0.179 U	NA	0.189 U	NA	0.189 U	NA
Benzo(k)fluoranthene	µg/L	NA	280000 U	0.952 U	0.198 U	NA	0.179 U	NA	0.189 U	NA	0.189 U	NA
bis(2-Chloroethoxy)methane	µg/L	NA	1870000 U	9.52 U	2.97 U	NA	2.68 U	NA	2.83 U	NA	2.83 U	NA
bis(2-Chloroethyl) ether	µg/L	NA	1870000 U	9.52 U	1.98 U	NA	1.79 U	NA	1.89 U	NA	1.89 U	NA
bis(2-Chloroisopropyl)ether	µg/L	NA	1870000 U	9.52 U	1.98 U	NA	1.79 U	NA	1.89 U	NA	1.89 U	NA
bis(2-Ethylhexyl)phthalate	µg/L	NA	1870000 U	2.12 J	1.98 U	NA	1.79 U	NA	1.89 U	NA	1.89 U	NA
Butylbenzylphthalate	µg/L	NA	1870000 U	9.52 U	1.98 U	NA	1.79 U	NA	1.89 U	NA	1.89 U	NA
Caprolactam	µg/L	NA	1870000 U	9.52 U	1.98 U	NA	1.79 U	NA	1.89 U	NA	1.89 U	NA
Carbazole	µg/L	NA	280000 U	0.952 U	0.198 U	NA	0.179 U	NA	0.189 U	NA	0.189 U	NA
Chrysene	µg/L	NA	280000 U	0.952 U	0.198 U	NA	0.179 U	NA	0.189 U	NA	0.189 U	NA
Dibenzo(a,h)anthracene	µg/L	NA	280000 U	0.952 U	0.198 U	NA	0.179 U	NA	0.189 U	NA	0.189 U	NA
Dibenzofuran	µg/L	NA	1870000 U	9.52 U	1.98 U	NA	1.79 U	NA	1.89 U	NA	1.89 U	NA
Diethylphthalate	µg/L	NA	1870000 U	9.52 U	1.98 U	NA	1.79 U	NA	1.89 U	NA	1.89 U	NA
Dimethylphthalate	µg/L	NA	1870000 U	9.52 U	1.98 U	NA	1.79 U	NA	1.89 U	NA	1.89 U	NA
Di-n-butylphthalate	µg/L	NA	1870000 QU	9.52 U	1.98 U	NA	1.79 U	NA	1.89 U	NA	1.89 U	NA
Di-n-octylphthalate	µg/L	NA	1870000 U	9.52 U	2.97 U	NA	2.68 U	NA	2.83 U	NA	2.83 U	NA
Diphenylamine	µg/L	NA	1870000 U	9.52 U	2.97 U	NA	2.68 U	NA	2.83 U	NA	2.83 U	NA
Fluoranthene	µg/L	NA	280000 U	0.952 U	0.198 U	NA	0.179 U	NA	0.189 U	NA	0.189 U	NA
Fluorene	µg/L	NA	280000 U	0.952 U	0.198 U	NA	0.179 U	NA	0.189 U	NA	0.189 U	NA
Hexachlorobenzene	µg/L	NA	1870000 U	9.52 U	1.98 U	NA	1.79 U	NA	1.89 U	NA	1.89 U	NA
Hexachlorobutadiene	µg/L	NA	1870000 U	9.52 U	1.98 U	NA	1.79 U	NA	1.89 U	NA	1.89 U	NA
Hexachlorocyclopentadiene	µg/L	NA	1870000 U	9.52 U	2.97 U	NA	2.68 U	NA	2.83 U	NA	2.83 U	NA
Hexachloroethane	µg/L	NA	1870000 U	9.52 U	1.98 U	NA	1.79 U	NA	1.89 U	NA	1.89 U	NA
Indeno(1,2,3-cd)pyrene	µg/L	NA	280000 U	0.952 U	0.198 U	NA	0.179 U	NA	0.189 U	NA	0.189 U	NA
Isophorone	µg/L	NA	1870000 U	9.52 U	2.97 U	NA	2.68 U	NA	2.83 U	NA	2.83 U	NA
m,p-Cresols	µg/L	NA	2800000 QU	8.25 J	2.97 U	NA	2.68 U	NA	2.83 U	NA	2.83 U	NA
m-Nitroaniline	µg/L	NA	1870000 U	9.52 U	1.98 U	NA	1.79 U	NA	1.89 U	NA	1.89 U	NA
Naphthalene	µg/L	NA	280000 U	0.952 U	0.297 U	NA	0.268 U	NA	0.283 U	NA	0.283 U	NA
Nitrobenzene	µg/L	NA	1870000 U	9.52 U	2.97 U	NA	2.68 U	NA	2.83 U	NA	2.83 U	NA
N-Nitrosodipropylamine	µg/L	NA	1870000 U	9.52 U	1.98 U	NA	1.79 U	NA	1.89 U	NA	1.89 U	NA
o-Cresol	µg/L	NA	1870000 U	9.52 U	1.98 U	NA	1.79 U	NA	1.89 U	NA	1.89 U	NA
o-Nitroaniline	µg/L	NA	1870000 U	9.52 U	1.98 U	NA	1.79 U	NA	1.89 U	NA	1.89 U	NA
Pentachlorophenol	µg/L	NA	2340000 U	9.52 U	1.98 U	NA	1.79 U	NA	1.89 U	NA	1.89 U	NA
Phenanthrene	µg/L	NA	280000 U	0.952 U	0.198 U	NA	0.179 U	NA	0.189 U	NA	0.189 U	NA
Phenol	µg/L	NA	1870000 U	25.7	0.99 U	NA	0.893 U	NA	0.943 U	NA	0.943 U	NA
p-Nitroaniline	µg/L	NA	2800000 U	9.52 U	2.97 U	NA	2.68 U	NA	2.83 U	NA	2.83 U	NA
Pyrene	µg/L	NA	280000 U	0.952 U	0.297 U	NA	0.268 U	NA	0.283 U	NA	0.283 U	NA

Table 2. Analytical Results for Liquid Samples

Parameter	Unit	CG-104*	CG-113**	WC-219	WW0001-0129	WW0001F-0130	WW10001-0131	WW10001F-0132	WW20001-0133	WW20001F-0134	WW30001-0135	WW30001F-0136
Polycyclic Aromatic Hydrocarbon												
Acenaphthene	µg/L	NA	NA	NA	0.124 U	NA	0.12 U	NA	0.123 U	NA	0.123 U	NA
Acenaphthylene	µg/L	NA	NA	NA	0.124 U	NA	0.12 U	NA	0.123 U	NA	0.123 U	NA
Anthracene	µg/L	NA	NA	NA	0.129 U	NA	0.125 U	NA	0.127 U	NA	0.257 J	NA
Benzo(a)anthracene	µg/L	NA	NA	NA	0.0158 U	NA	0.0154 U	NA	0.0157 U	NA	1.86	NA
Benzo(a)pyrene	µg/L	NA	NA	NA	0.0158 U	NA	0.0154 U	NA	0.0157 U	NA	1.92	NA
Benzo(b)fluoranthene	µg/L	NA	NA	NA	0.0158 U	NA	0.0154 U	NA	0.0157 U	NA	2.6	NA
Benzo(ghi)perylene	µg/L	NA	NA	NA	0.0158 U	NA	0.0154 U	NA	0.0157 U	NA	1.54	NA
Benzo(k)fluoranthene	µg/L	NA	NA	NA	0.0158 U	NA	0.0154 U	NA	0.0157 U	NA	1.39	NA
Chrysene	µg/L	NA	NA	NA	0.0158 U	NA	0.0154 U	NA	0.0157 U	NA	2	NA
Dibenzo(a,h)anthracene	µg/L	NA	NA	NA	0.0158 U	NA	0.0154 U	NA	0.0157 U	NA	0.0157 U	NA
Fluoranthene	µg/L	NA	NA	NA	0.0158 U	NA	0.0154 U	NA	0.0157 U	NA	6.34	NA
Fluorene	µg/L	NA	NA	NA	0.124 U	NA	0.12 U	NA	0.123 U	NA	0.123 U	NA
Indeno(1,2,3-cd)pyrene	µg/L	NA	NA	NA	0.0158 U	NA	0.0154 U	NA	0.0157 U	NA	0.0157 U	NA
Naphthalene	µg/L	NA	NA	NA	0.124 U	NA	0.12 U	NA	0.123 U	NA	0.123 U	NA
Phenanthrene	µg/L	NA	NA	NA	0.124 U	NA	0.12 U	NA	0.123 U	NA	3.83	NA
Pyrene	µg/L	NA	NA	NA	0.0158 U	NA	0.0154 U	NA	0.0364 J	NA	4.48	NA
Herbicides												
2,4,5-T	µg/L	NA	1420 U	0.236 U	0.0814 U	NA	0.0822 U	NA	0.083 U	NA	0.0847 U	NA
2,4,5-TP	µg/L	NA	1420 U	0.236 U	0.0814 U	NA	0.0822 U	NA	0.083 U	NA	0.0847 U	NA
2,4-D	µg/L	NA	1420 U	0.236 U	0.0814 QU	NA	0.0822 U	NA	0.083 U	NA	0.0847 U	NA
Pesticides												
4,4'-DDD	µg/L	NA	1.66 U	0.0385 U	0.0099 U	NA	0.0098 U	NA	0.01 U	NA	0.0102 U	NA
4,4'-DDE	µg/L	NA	1.66 U	0.0385 U	0.00495 U	NA	0.0049 U	NA	0.005 U	NA	0.0051 U	NA
4,4'-DDT	µg/L	NA	1.66 U	0.0385 U	0.0099 U	NA	0.0098 U	NA	0.01 U	NA	0.0102 U	NA
Aldrin	µg/L	NA	0.831 U	0.0197	0.00495 U	NA	0.0049 U	NA	0.005 U	NA	0.0051 U	NA
alpha-BHC	µg/L	NA	0.831 U	0.0192 U	0.00495 U	NA	0.0049 U	NA	0.005 U	NA	0.0051 U	NA
alpha-Chlordane	µg/L	NA	0.831 U	0.0192 U	0.00495 U	NA	0.0049 U	NA	0.005 U	NA	0.0051 U	NA
beta-BHC	µg/L	NA	0.831 U	0.0192 U	0.00594 U	NA	0.00588 U	NA	0.006 U	NA	0.00612 U	NA
delta-BHC	µg/L	NA	0.831 U	0.0192 U	0.00495 U	NA	0.00524 J	NA	0.005 U	NA	0.0051 U	NA
Dieldrin	µg/L	NA	1.66 U	0.0385 U	0.0099 U	NA	0.0098 U	NA	0.01 U	NA	0.0102 U	NA
Endosulfan I	µg/L	NA	0.831 U	0.0192 U	0.00495 U	NA	0.0049 U	NA	0.005 U	NA	0.0051 U	NA
Endosulfan II	µg/L	NA	1.66 U	0.0385 U	0.0099 U	NA	0.0098 U	NA	0.01 U	NA	0.0102 U	NA
Endosulfan sulfate	µg/L	NA	1.66 U	0.0385 U	0.0099 U	NA	0.0098 U	NA	0.01 U	NA	0.0102 U	NA
Endrin	µg/L	NA	1.66 U	0.0385 U	0.0099 U	NA	0.0098 U	NA	0.01 U	NA	0.0102 U	NA
Endrin aldehyde	µg/L	NA	1.66 U	0.0385 U	0.00495 U	NA	0.0049 U	NA	0.005 U	NA	0.0051 U	NA
Endrin ketone	µg/L	NA	1.66 U	0.0385 U	0.0099 U	NA	0.0098 U	NA	0.01 U	NA	0.0102 U	NA
gamma-BHC (Lindane)	µg/L	NA	0.831 U	0.0192 U	0.00495 U	NA	0.0049 U	NA	0.005 U	NA	0.0051 U	NA
gamma-Chlordane	µg/L	NA	0.831 U	0.0192 U	0.00495 U	NA	0.0049 U	NA	0.005 U	NA	0.0051 U	NA
Heptachlor	µg/L	NA	0.831 U	0.0192 U	0.00495 U	NA	0.0049 U	NA	0.005 U	NA	0.0051 U	NA
Heptachlor epoxide	µg/L	NA	1.04 U	0.0192 U	0.00495 U	NA	0.0049 U	NA	0.005 U	NA	0.0051 U	NA
Methoxychlor	µg/L	NA	8.31 U	0.192 U	0.0495 U	NA	0.049 U	NA	0.05 U	NA	0.051 U	NA
Toxaphene	µg/L	NA	27.7 U	0.481 U	0.149 U	NA	0.147 U	NA	0.15 U	NA	0.153 U	NA

Table 2. Analytical Results for Liquid Samples

Parameter	Unit	CG-104*	CG-113**	WC-219	WW0001-0129	WW0001F-0130	WW10001-0131	WW10001F-0132	WW20001-0133	WW20001F-0134	WW30001-0135	WW30001F-0136
Metals												
Antimony	µg/L	NA	0.309 U	3.76 JJ	3.44 J	NA	3 U	NA	3 U	NA	3 U	NA
Arsenic	µg/L	NA	0.468 U	19.5	4.29 J	NA	2.04 JJ	NA	1.6 UJ	NA	3.55 JJ	NA
Barium	µg/L	NA	0.265 J	499	72.3	NA	26.7	NA	43	NA	94.6	NA
Beryllium	µg/L	NA	0.0936 U	2.68 J	0.5 U	NA	0.1 U	NA	0.1 U	NA	0.366 J	NA
Cadmium	µg/L	NA	0.0936 U	5.23	0.179 J	NA	0.86 JJ	NA	0.11 UJ	NA	0.579 JJ	NA
Chromium	µg/L	NA	4.18	98.1	8.14 J	NA	2 U	NA	2 U	NA	9.69 J	NA
Lead	µg/L	NA	59.4	640	1.55 J	NA	0.775 JJ	NA	1.19 JJ	NA	10.7 J	NA
Mercury	µg/L	NA	0.00381 UJ	0.132 U	0.066 U	NA	0.066 U	NA	0.066 U	NA	0.066 U	NA
Nickel	µg/L	NA	3.3	153	10	NA	6.19	NA	5.95	NA	15.1	NA
Selenium	µg/L	NA	2.51 J	2.37 J	1 U	NA	1 UJ	NA	1 UJ	NA	1 UJ	NA
Silver	µg/L	NA	0.122 J	2 U	1 U	NA	1 U	NA	1.56 J	NA	1 U	NA
Thallium	µg/L	NA	1.08 J	0.738 J	0.3 U	NA	0.3 UJ	NA	0.3 UJ	NA	0.3 UJ	NA
Zinc	µg/L	NA	194	1410	22.4	NA	61.7	NA	126	NA	198	NA
Polychlorinated Biphenyls												
Aroclor-1016	µg/L	NA	332 U	0.0893 U	0.167 U	NA	0.033 U	NA	0.0342 U	NA	0.0336 U	NA
Aroclor-1221	µg/L	NA	332 U	0.0893 U	0.167 U	NA	0.033 U	NA	0.0342 U	NA	0.0336 U	NA
Aroclor-1232	µg/L	NA	332 U	0.0893 U	0.167 U	NA	0.033 U	NA	0.0342 U	NA	0.0336 U	NA
Aroclor-1242	µg/L	NA	332 U	0.0893 U	0.167 U	NA	0.033 U	NA	0.0342 U	NA	0.0336 U	NA
Aroclor-1248	µg/L	NA	332 U	0.0893 U	0.167 U	NA	0.033 U	NA	0.0342 U	NA	0.0336 U	NA
Aroclor-1254	µg/L	NA	332 U	0.0893 U	0.167 U	NA	0.033 U	NA	0.0342 U	NA	0.0336 U	NA
Aroclor-1260	µg/L	NA	332 U	0.0893 U	0.167 U	NA	0.033 U	NA	0.0342 U	NA	0.0336 U	NA
Radiological Compounds												
Actinium-227 (Gamma Spec)	pCi/L	NA	-0.0016 U	23.9 U	NA	NA	NA	NA	NA	NA	NA	NA
Americium-241 (Gamma Spec)	pCi/L	NA	-0.234 U	2.51 U	NA	NA	NA	NA	NA	NA	NA	NA
Cesium-137 (Gamma Spec)	pCi/L	NA	0.00606 U	-1 U	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt-60 (Gamma Spec)	pCi/L	NA	0.00968 U	0.348 U	NA	NA	NA	NA	NA	NA	NA	NA
Plutonium-238	pCi/L	0.0258 U	0.0857 U	0 U	-0.00537 U	-0.00874 U	0 U	0 U	0 U	-0.0737 U	-0.0121 U	0.000693 U
Plutonium-239/240	pCi/L	0.0181 U	0.0384 U	0.0441 U	0.00537 U	0.0175 U	0 U	0 U	0 U	-0.0115 U	0 U	-0.0125 U
Potassium-40 (Gamma Spec)	pCi/L	NA	1.59	32.7 U	NA	NA	NA	NA	NA	NA	NA	NA
Protactinium-231 (Gamma Spec)	pCi/L	NA	-0.482 U	-2.54 U	NA	NA	NA	NA	NA	NA	NA	NA
Radium-226 (Gamma Spec)	pCi/L	NA	0.236 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radium-226 (EPA 903.1 Modified)	pCi/L	NA	NA	7.94	1.3	0.561	0.221 U	0.0608 U	0.125 U	0.515 U	1.31	0.449 U
Radium-226 (EPA 903.)	pCi/L	NA	NA	27.9 U	NA	NA	NA	NA	NA	NA	NA	NA
Radium-228 (Gamma Spec)	pCi/L	NA	0.269 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Radium-228 (EPA 904.0)	pCi/L	NA	NA	8.76	0.339 U	0.706	0.204 U	0.632 U	0.194 U	-0.207 U	0.0493 U	0.0152 U
Radium-228 (EPA 901.1)	pCi/L	NA	NA	2.18 U	NA	NA	NA	NA	NA	NA	NA	NA
Strontium-90	pCi/L	NA	-0.376 U	0.648 U	0.454 U	0.378 U	-0.248 U	-0.0237 U	-0.222 U	-0.427 U	-0.31 U	0.676 U
Thorium-228 (Gamma Spec)	pCi/L	NA	0.396	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thorium-228 (Alpha Spec)	pCi/L	0.048 U	-0.0701 U	2.67	0.185	-0.0116 U	0.0186 U	-0.00552 U	0.0215 U	0.0554 U	1.97	0.0397 U
Thorium-230 (Alpha Spec)	pCi/L	0.0301 U	-0.00463 U	1.18	0.0847	0.0842	-0.00686 U	0.0108 U	-0.00397 U	0.0286 U	3.17	0.0402 U
Thorium-232 (Alpha Spec)	pCi/L	-0.00149 U	0.0338 U	2.01	0.123	0.021 U	-0.00097 U	-0.00098 U	0.0818 U	0.0172 U	1.77	0.0514 U
Uranium-233/234 (Alpha Spec)	pCi/L	-0.00779 U	0.0525 U	25.9	2.51	1.9	4.93	4.28	1.06	1.07	3.53	3.03
Uranium-235	pCi/L	NA	-0.0912 U	-19.6 U	NA	NA	NA	NA	NA	NA	NA	NA
Uranium-235/236 (Alpha Spec)	pCi/L	0	0.012 U	1.76	0.218	0.0234 U	0.249	0.249	0.0272 U	0 U	0.0288 U	0.175
Uranium-238 (Gamma Spec)	pCi/L	NA	-0.294 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Uranium-238 (Alpha Spec)	pCi/L	0.154 U	-0.0153 U	27.4	2	1.49	4.1	3.78	0.726	0.994	2.96	2.96
Uranium-238 (EPA 901.1)	pCi/L	NA	NA	-28.6 U	NA	NA	NA	NA	NA	NA	NA	NA

Table 2. Analytical Results for Liquid Samples

Parameter	Unit	CG-104*	CG-113**	WC-219	WW0001-0129	WW0001F-0130	WW10001-0131	WW10001F-0132	WW20001-0133	WW20001F-0134	WW30001-0135	WW30001F-0136
General												
Corrosivity	SU	NA	7.33 H	8.83 H	8.14 H	NA	7.27 H	NA	7.47 H	NA	7.38 H	NA
Flashpoint-200	Fahrenheit	NA	>200	NA	NA	NA	NA	NA	NA	NA	NA	NA
Reactive Releasable Cyanide	µg/L	NA	<250000	<250000	<250000	NA	<250000	NA	<250000	NA	<250000	NA
Reactive Releasable Sulfide	mg/L	NA	<500	<500	<500	NA	<500	NA	<500	NA	<500	NA
Setaflash-200	Fahrenheit	NA	NA	>200	>200	NA	75	NA	75	NA	75	NA
Total Dissolved Solids	mg/L	NA	NA	920	800	NA	493	NA	424	NA	481	NA
Total Suspended Solids	mg/L	NA	NA	14000	70	NA	12.8	NA	34.4	NA	218	NA

* CG-104 radiological compounds were analyzed as a solid. All units are in pCi/g.

** CG-113 was analyzed as a solid; chemical and reactive releasable cyanide results are µg/kg, metal and reactive releasable sulfide results are mg/kg, and radiological results are in pCi/g.

NA: Not Analyzed

Table 3. Sample ID and Composite Group Inventory Summary

Sample ID	Composite Group	WC Number	Matrix	Primary Component	Analytical Suite
CG-100	CG-100	WC-001 WC-002 WC-005 WC-006 WC-007 WC-008 WC-009 WC-010 WC-011 WC-012 WC-013 WC-015 WC-017 WC-018 WC-019 WC-020 WC-021 WC-022 WC-023 WC-024 WC-025 WC-030 WC-108 WC-111 WC-158 WC-160	Solid	PPE PPE	Full Suite- Solid

Table 3. Sample ID and Composite Group Inventory Summary

Sample ID	Composite Group	WC Number	Matrix	Primary Component	Analytical Suite
CG-101	CG-101	WC-162 WC-163 WC-164 WC-165 WC-166 WC-183 WC-184 WC-199 WC-200 WC-201 WC-202 WC-205 WC-215	Solid	PPE PPE PPE PPE PPE PPE PPE PPE PPE PPE PPE PPE PPE PPE	Full Suite- Solid
CG-102	CG-102	WC-188 WC-190 WC-191 WC-192 WC-193 WC-194	Solid	Soil/Soil-Like Soil/Soil-Like Soil/Soil-Like Soil/Soil-Like Soil/Soil-Like Soil/Soil-Like Soil/Soil-Like	Full Suite- Solid Contains Asbestos
CG-103	CG-103	WC-189 WC-198	Solid	Soil/Soil-Like Soil/Soil-Like	Full Suite- Solid
CG-104	CG-104	WC-225	Liquid	Liquid Mercury 250 mL jar	Alpha Spectroscopy - Have Not Received
CG-105	CG-105	WC-185 WC-186 WC-187 WC-222	Solid	Soil/Soil-Like Soil/Soil-Like Soil/Soil-Like Soil/Soil-Like	Full Suite- Solid

Table 3. Sample ID and Composite Group Inventory Summary

Sample ID	Composite Group	WC Number	Matrix	Primary Component	Analytical Suite
CG-106	CG-106	WC-028 WC-031 WC-033 WC-035 WC-036 WC-039 WC-053 WC-066 WC-068 WC-069 WC-074 WC-076 WC-082 WC-083 WC-086 WC-087 WC-089 WC-090 WC-091 WC-092 WC-093 WC-094 WC-095 WC-098 WC-099 WC-106	Solid	Soil/Soil-Like Soil/Soil-Like	Full Suite- Solid

Table 3. Sample ID and Composite Group Inventory Summary

Sample ID	Composite Group	WC Number	Matrix	Primary Component	Analytical Suite
CG-107	CG-107	WC-107 WC-109 WC-110 WC-131 WC-132 WC-133 WC-134 WC-135 WC-136 WC-146 WC-147 WC-148 WC-149 WC-150 WC-151 WC-152 WC-153 WC-156 WC-159 WC-179 WC-180 WC-181 WC-182 WC-203 WC-206 WC-226	Solid	Soil/Soil-Like Soil/Soil-Like Soil/Soil-Like Soil/Soil-Like Soil/Soil-Like Soil/Soil-Like Soil/Soil-Like Soil/Soil-Like Soil/Soil-Like Soil/Soil-Like Soil/Soil-Like Soil/Soil-Like Soil/Soil-Like Soil/Soil-Like Soil/Soil-Like Concrete Soil/Soil-Like Concrete Soil/Soil-Like Soil/Soil-Like Soil/Soil-Like Soil/Soil-Like Soil/Soil-Like Soil/Soil-Like Soil/Soil-Like Soil/Soil-Like Soil/Soil-Like Soil/Soil-Like Soil/Soil-Like Soil/Soil-Like Soil/Soil-Like	Full Suite- Solid

Table 3. Sample ID and Composite Group Inventory Summary

Sample ID	Composite Group	WC Number	Matrix	Primary Component	Analytical Suite
CG-108	CG-108	WC-003 WC-004 WC-014 WC-016 WC-029 WC-112 WC-113 WC-114 WC-115 WC-116 WC-117 WC-118 WC-119 WC-120 WC-121 WC-122 WC-123 WC-124 WC-125 WC-126 WC-127 WC-128 WC-144 WC-145 WC-154 WC-155	Solid	PVC/Plastic PVC/Plastic	Full Suite- Solid

Table 3. Sample ID and Composite Group Inventory Summary

Sample ID	Composite Group	WC Number	Matrix	Primary Component	Analytical Suite
CG-109	CG-109	WC-026 WC-027 WC-104 WC-129 WC-130 WC-137 WC-138 WC-157 WC-161 WC-195 WC-196 WC-197 WC-204 WC-207 WC-208 WC-209 WC-210 WC-211 WC-212 WC-213 WC-214 WC-216 WC-217	Solid	Plastic Tubing Plastic Tubing Soil/Soil-Like Metal Canvas Tarp Soil/Soil-Like Soil/Soil-Like PVC/Plastic Absorbent Spongeblast Spongeblast Spongeblast Spongeblast Absorbent Styrofoam PVC/Plastic Styrofoam PVC/Plastic PVC/Plastic PVC/Plastic PVC/Plastic PVC/Plastic	Full Suite- Solid

Table 3. Sample ID and Composite Group Inventory Summary

Sample ID	Composite Group	WC Number	Matrix	Primary Component	Analytical Suite
CG-110	CG-110	WC-032 WC-034 WC-037 WC-038 WC-040 WC-041 WC-042 WC-043 WC-044 WC-045 WC-046 WC-047 WC-048 WC-049 WC-050 WC-051 WC-052 WC-054 WC-055 WC-056 WC-057 WC-058 WC-059 WC-060 WC-061	Solid	Soil/Soil-Like Soil/Soil-Like	Full Suite- Solid

Table 3. Sample ID and Composite Group Inventory Summary

Sample ID	Composite Group	WC Number	Matrix	Primary Component	Analytical Suite
CG-111	CG-111	WC-062 WC-063 WC-064 WC-065 WC-067 WC-070 WC-071 WC-072 WC-073 WC-075 WC-077 WC-078 WC-079 WC-080 WC-081 WC-084 WC-085 WC-088 WC-096 WC-097 WC-100 WC-101 WC-102 WC-103 WC-105	Solid	Soil/Soil-Like Soil/Soil-Like	Full Suite- Solid
WC-219	CG-112	WC-218 WC-219	Liquid	Water Water 2-55 gallon drums	Full Suite- Liquid
CG-113	CG-113	WC-220 WC-221 WC-223	Liquid	Oil Oil Oil 3-55 gallon drums	Full Suite Oil- Complete

Table 3. Sample ID and Composite Group Inventory Summary

Sample ID	Composite Group	WC Number	Matrix	Primary Component	Analytical Suite
WC-167	CG-114	WC-167	Solid	PPE	Full Suite- Solid
WC-168	CG-115	WC-168	Solid	PPE	Full Suite- Solid
WC-169	CG-116	WC-169	Solid	Metal Sample - Paint Chips	Full Suite- Solid- Only TCLP Due to limited sample volume - Paint Chips See Attached - Radiological Screening Forms
Metal LSA - No Sample	CG-117	WC-170	Solid	Metal	Metal LSA - No Sample See Attached - Radiological Screening Forms
Metal LSA - No Sample	CG-118	WC-171	Solid	Metal	Metal LSA - No Sample See Attached - Radiological Screening Forms
WC-172	CG-119	WC-172	Solid	Metal Sample - Paint Chips	Full Suite- Solid- Only TCLP Due to limited sample volume - Paint Chips See Attached - Radiological Screening Forms
WC-173	CG-120	WC-173	Solid	Metal, Concrete, Wood	Full Suite- Solid See Attached - Radiological Screening Forms
Metal LSA - No Sample	CG-121	WC-174	Solid	Metal	Metal LSA - No Sample See Attached - Radiological Screening Forms
Metal LSA - No Sample	CG-122	WC-175	Solid	Metal	Metal LSA - No Sample See Attached - Radiological Screening Forms
WC-176	CG-123	WC-176	Solid	Metal, Soil-like	Full Suite- Solid See Attached - Radiological Screening Forms

Table 3. Sample ID and Composite Group Inventory Summary

Sample ID	Composite Group	WC Number	Matrix	Primary Component	Analytical Suite
Metal LSA - No Sample	CG-124	WC-177	Solid	Metal	Metal LSA - No Sample See Attached - Radiological Screening Forms
CG-125	CG-125	WC-224	Solid	Wood	Full Suite Solid - Confirmed
CG-126	CG-126	WC-227	Solid	PPE	Full Suite Solid - Confirmed
WW0001-0129 WW0001F-0130	CG-127	WC-643 WC-644 WC-645 WC-646	Liquid	Water Water Water Water 4-55 gallon drums	RIR Water
WW10001-0131 WW10001F-0132	CG-128	TANK1	Liquid	Water 1550 gallon poly tank	RIR Water
WW20001-0133 WW20001F-0134	CG-129	TANK2	Liquid	Water 1550 gallon poly tank	RIR Water
WW30001-0135 WW30001F-0136	CG-130	TANK3	Liquid	Water 550 gallon poly tank	RIR Water

Table 3. Sample ID and Composite Group Inventory Summary

Sample ID	Composite Group	WC Number	Matrix	Primary Component	Analytical Suite
CG-131	CG-131	WC-139 WC-140 WC-141 WC-142 WC-143 WC-607 WC-608 WC-609 WC-610 WC-611 WC-625 WC-626 WC-627 WC-628 WC-629 WC-630 WC-631 WC-632 WC-633 WC-634 WC-635 WC-639	Solid	Soil/Soil-Like Soil/Soil-Like PVC/Plastic Soil/Soil-Like Soil/Soil-Like Soil/Soil-Like Soil/Soil-Like Soil/Soil-Like Soil/Soil-Like Soil/Soil-Like Soil/Soil-Like Soil/Soil-Like Soil/Soil-Like Soil/Soil-Like Soil/Soil-Like Soil/Soil-Like Soil/Soil-Like Soil/Soil-Like Soil/Soil-Like Soil/Soil-Like Soil/Soil-Like Soil/Soil-Like	Full Suite- Solid

Table 3. Sample ID and Composite Group Inventory Summary

Sample ID	Composite Group	WC Number	Matrix	Primary Component	Analytical Suite
CG-132	CG-132	WC-600 WC-601 WC-602 WC-603 WC-604 WC-605 WC-606 WC-612 WC-613 WC-614 WC-615 WC-616 WC-617 WC-618 WC-619 WC-620 WC-621 WC-622 WC-623 WC-624 WC-636 WC-637 WC-638 WC-640 WC-641 WC-642	Solid	Soil/Soil-Like Soil/Soil-Like	Full Suite- Solid

APPENDIX B

Investigation Derived and Legacy Waste Inventory List

Appendix B
Waste Packages, Transporter and Disposal Facility
Niagara Falls Storage Site
Lewiston, New York

Container Identification	Matrix	Container Construction	Container Type	Content 1	Content 2	Transporter	Disposal Facility
WC-001	SOLID	Steel	Drum	PVC/Plastic		Landstar Systems, Inc	WCS
WC-002	SOLID	Steel	Drum	PPE		Landstar Systems, Inc	WCS
WC-003	SOLID	Steel	Drum	PVC/Plastic	PPE	Landstar Systems, Inc	WCS
WC-004	SOLID	Steel	Drum	PVC/Plastic	Soil/Soil-Like	Landstar Systems, Inc	WCS
WC-005	SOLID	Steel	Drum	PPE	PVC/Plastic	Landstar Systems, Inc	WCS
WC-006	SOLID	Steel	Drum	PPE		Landstar Systems, Inc	WCS
WC-007	SOLID	Steel	Drum	PPE	PVC/Plastic	Landstar Systems, Inc	WCS
WC-008	SOLID	Steel	Drum	PPE	PVC/Plastic	Landstar Systems, Inc	WCS
WC-009	SOLID	Steel	Drum	PPE	PVC/Plastic	Landstar Systems, Inc	WCS
WC-010	SOLID	Steel	Drum	PPE		Landstar Systems, Inc	WCS
WC-011	SOLID	Steel	Drum	PPE		Landstar Systems, Inc	WCS
WC-012	SOLID	Steel	Drum	PPE	PVC/Plastic	Landstar Systems, Inc	WCS
WC-013	SOLID	Steel	Drum	PPE		Landstar Systems, Inc	WCS
WC-014	SOLID	Steel	Drum	PVC/Plastic	PPE	Landstar Systems, Inc	WCS
WC-015	SOLID	Steel	Drum	PPE		Landstar Systems, Inc	WCS
WC-016	SOLID	Steel	Drum	PVC/Plastic	PPE	Landstar Systems, Inc	WCS
WC-017	SOLID	Steel	Drum	PPE		Landstar Systems, Inc	WCS
WC-018	SOLID	Steel	Drum	PPE		Landstar Systems, Inc	WCS
WC-019	SOLID	Steel	Drum	PPE	Trash	Landstar Systems, Inc	WCS
WC-020	SOLID	Steel	Drum	PPE	Trash	Landstar Systems, Inc	WCS
WC-021	SOLID	Steel	Drum	PPE	Trash	Landstar Systems, Inc	WCS
WC-022	SOLID	Steel	Drum	PPE	Trash	Landstar Systems, Inc	WCS
WC-023	SOLID	Steel	Drum	PPE	Trash	Landstar Systems, Inc	WCS
WC-024	SOLID	Steel	Drum	PPE	Trash	Landstar Systems, Inc	WCS
WC-025	SOLID	Steel	Drum	PPE	PVC/Plastic	Landstar Systems, Inc	WCS
WC-026*	SOLID	Steel	Drum	Plastic Tubing	Pump Material	Landstar Systems, Inc	USEI
WC-027*	SOLID	Steel	Drum	Plastic Tubing	Pump Material	Landstar Systems, Inc	USEI
WC-028	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS

Appendix B
Waste Packages, Transporter and Disposal Facility
Niagara Falls Storage Site
Lewiston, New York

Container Identification	Matrix	Container Construction	Container Type	Content 1	Content 2	Transporter	Disposal Facility
WC-029	SOLID	Steel	Drum	PVC/Plastic	PPE	Landstar Systems, Inc	WCS
WC-030	SOLID	Steel	Drum	PPE	Soil/Soil-Like	Landstar Systems, Inc	WCS
WC-031	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS
WC-032	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS
WC-033	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS
WC-034	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS
WC-035	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS
WC-036	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS
WC-037	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS
WC-038	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS
WC-039	SOLID	Steel	Drum	Soil/Soil-Like	Metal	Landstar Systems, Inc	WCS
WC-040	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS
WC-041	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS
WC-042	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS
WC-043	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS
WC-044	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS
WC-045	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS
WC-046	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS
WC-047	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS
WC-048	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS
WC-049	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS
WC-050	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS
WC-051	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS
WC-052	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS
WC-053	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS
WC-054	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS
WC-055	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS
WC-056	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS

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Container Identification	Matrix	Container Construction	Container Type	Content 1	Content 2	Transporter	Disposal Facility
WC-057	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS
WC-058	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS
WC-059	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS
WC-060	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS
WC-061	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS
WC-062	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS
WC-063	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS
WC-064	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS
WC-065	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS
WC-066	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS
WC-067	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS
WC-068	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS
WC-069	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS
WC-070	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS
WC-071	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS
WC-072	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS
WC-073	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS
WC-074	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS
WC-075	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS
WC-076	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS
WC-077	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS
WC-078	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS
WC-079	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS
WC-080	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS
WC-081	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS
WC-082	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS
WC-083	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS
WC-084	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS

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Container Identification	Matrix	Container Construction	Container Type	Content 1	Content 2	Transporter	Disposal Facility
WC-085	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS
WC-086	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS
WC-087	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS
WC-088	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS
WC-089	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS
WC-090	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS
WC-091	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS
WC-092	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS
WC-093	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS
WC-094	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS
WC-095	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS
WC-096	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS
WC-097	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS
WC-098	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS
WC-099	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS
WC-100	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS
WC-101	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS
WC-102	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS
WC-103	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS
WC-104*	SOLID	Poly	Drum	Soil/Soil-Like		Landstar Systems, Inc	USEI
WC-105	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS
WC-106	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS
WC-107	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS
WC-108	SOLID	Steel	Drum	PPE	PVC/Plastic	Landstar Systems, Inc	WCS
WC-109	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS
WC-110	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS
WC-111	SOLID	Steel	Drum	PPE	Soil/Soil-Like	Landstar Systems, Inc	WCS
WC-112	SOLID	Steel	Drum	PVC/Plastic		Landstar Systems, Inc	WCS

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WC-113	SOLID	Steel	Drum	PVC/Plastic		Landstar Systems, Inc	WCS
WC-114	SOLID	Steel	Drum	PVC/Plastic		Landstar Systems, Inc	WCS
WC-115	SOLID	Steel	Drum	PVC/Plastic		Landstar Systems, Inc	WCS
WC-116	SOLID	Steel	Drum	PVC/Plastic		Landstar Systems, Inc	WCS
WC-117	SOLID	Steel	Drum	PVC/Plastic		Landstar Systems, Inc	WCS
WC-118	SOLID	Steel	Drum	PVC/Plastic		Landstar Systems, Inc	WCS
WC-119	SOLID	Steel	Drum	PVC/Plastic		Landstar Systems, Inc	WCS
WC-120	SOLID	Steel	Drum	PVC/Plastic		Landstar Systems, Inc	WCS
WC-121	SOLID	Steel	Drum	PVC/Plastic		Landstar Systems, Inc	WCS
WC-122	SOLID	Steel	Drum	PVC/Plastic		Landstar Systems, Inc	WCS
WC-123	SOLID	Steel	Drum	PVC/Plastic		Landstar Systems, Inc	WCS
WC-124	SOLID	Steel	Drum	PVC/Plastic		Landstar Systems, Inc	WCS
WC-125	SOLID	Steel	Drum	PVC/Plastic		Landstar Systems, Inc	WCS
WC-126	SOLID	Steel	Drum	PVC/Plastic		Landstar Systems, Inc	WCS
WC-127	SOLID	Steel	Drum	PVC/Plastic		Landstar Systems, Inc	WCS
WC-128	SOLID	Steel	Drum	PVC/Plastic	Metal	Landstar Systems, Inc	WCS
WC-129*	SOLID	Steel	Drum	Metal	PVC/Plastic	Landstar Systems, Inc	USEI
WC-130*	SOLID	Steel	Drum	Canvas	Tarp	Landstar Systems, Inc	USEI
WC-131	SOLID	Steel	Drum	Soil/Soil-Like	Metal	Landstar Systems, Inc	WCS
WC-132	SOLID	Steel	Drum	Soil/Soil-Like	Metal	Landstar Systems, Inc	WCS
WC-133	SOLID	Steel	Drum	Soil/Soil-Like	Metal	Landstar Systems, Inc	WCS
WC-134	SOLID	Steel	Drum	Soil/Soil-Like	Metal	Landstar Systems, Inc	WCS
WC-135	SOLID	Steel	Drum	Soil/Soil-Like	Metal	Landstar Systems, Inc	WCS
WC-136	SOLID	Steel	Drum	Soil/Soil-Like	Metal	Landstar Systems, Inc	WCS
WC-137*	SOLID	Poly	Drum	Soil/Soil-Like	Wood	Landstar Systems, Inc	USEI
WC-138*	SOLID	Poly	Drum	Soil/Soil-Like	Wood	Landstar Systems, Inc	USEI
WC-139	SOLID	Poly	Drum	Soil/Soil-Like	Wood	Landstar Systems, Inc	WCS
WC-140	SOLID	Poly	Drum	Soil/Soil-Like	Wood	Landstar Systems, Inc	WCS

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WC-141	SOLID	Poly	Drum	PVC/Plastic	PPE	Landstar Systems, Inc	WCS
WC-142	SOLID	Poly	Drum	Soil/Soil-Like	Wood	Landstar Systems, Inc	WCS
WC-143	SOLID	Poly	Drum	Soil/Soil-Like	Wood	Landstar Systems, Inc	WCS
WC-144	SOLID	Steel	Drum	PVC/Plastic	Soil/Soil-Like	Landstar Systems, Inc	WCS
WC-145	SOLID	Steel	Drum	PVC/Plastic	Soil/Soil-Like	Landstar Systems, Inc	WCS
WC-146	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS
WC-147	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS
WC-148	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS
WC-149	SOLID	Steel	Drum	Soil/Soil-Like	PVC/Plastic	Landstar Systems, Inc	WCS
WC-150	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS
WC-151	SOLID	Steel	Drum	Concrete	Concrete	Landstar Systems, Inc	WCS
WC-152	SOLID	Steel	Drum	Soil/Soil-Like	PVC/Plastic	Landstar Systems, Inc	WCS
WC-153	SOLID	Steel	Drum	Concrete	Soil/Soil-Like	Landstar Systems, Inc	WCS
WC-154	SOLID	Steel	Drum	PVC/Plastic	Metal	Landstar Systems, Inc	WCS
WC-155	SOLID	Steel	Drum	PVC/Plastic	Carboys	Landstar Systems, Inc	WCS
WC-156	SOLID	Steel	Drum	Soil/Soil-Like	PVC/Plastic	Landstar Systems, Inc	WCS
WC-157*	SOLID	Steel	Drum	PVC/Plastic	Carboys	Landstar Systems, Inc	USEI
WC-158	SOLID	Steel	Drum	PPE	PVC/Plastic	Landstar Systems, Inc	WCS
WC-159	SOLID	Steel	Drum	Soil/Soil-Like	PVC/Plastic	Landstar Systems, Inc	WCS
WC-160	SOLID	Steel	Drum	PPE	Soil/Soil-Like	Landstar Systems, Inc	WCS
WC-161*	SOLID	Steel	Drum	Absorbent	PPE	Landstar Systems, Inc	USEI
WC-162	SOLID	Steel	Drum	PPE		Landstar Systems, Inc	WCS
WC-163	SOLID	Steel	Drum	PPE		Landstar Systems, Inc	WCS
WC-164	SOLID	Steel	Drum	PPE	PVC/Plastic	Landstar Systems, Inc	WCS
WC-165	SOLID	Steel	Drum	PPE	PVC/Plastic	Landstar Systems, Inc	WCS
WC-166	SOLID	Steel	Drum	PPE	Soil/Soil-Like	Landstar Systems, Inc	WCS
WC-167	SOLID	LSA	Box	PPE	PVC/Plastic	Landstar Systems, Inc	USEI
WC-168	SOLID	LSA	Box	PPE	PVC/Plastic	Landstar Systems, Inc	USEI

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Container Identification	Matrix	Container Construction	Container Type	Content 1	Content 2	Transporter	Disposal Facility
WC-169	SOLID	LSA	Box	Metal		Landstar Systems, Inc	USEI
WC-170	SOLID	LSA	Box	Metal		Landstar Systems, Inc	USEI
WC-171	SOLID	LSA	Box	Metal		Landstar Systems, Inc	USEI
WC-172	SOLID	LSA	Box	Metal		Landstar Systems, Inc	USEI
WC-173	SOLID	LSA	Box	Metal	Wood	Landstar Systems, Inc	USEI
WC-174	SOLID	LSA	Box	Metal		Landstar Systems, Inc	USEI
WC-175	SOLID	LSA	Box	Metal		Landstar Systems, Inc	USEI
WC-176	SOLID	LSA	Box	Metal	Bentonite	Landstar Systems, Inc	USEI
WC-177	SOLID	LSA	Box	Metal		Landstar Systems, Inc	USEI
WC-179	SOLID	Steel	Drum	Soil/Soil-Like	Metal	Landstar Systems, Inc	WCS
WC-180	SOLID	Steel	Drum	Soil/Soil-Like	Glass	Landstar Systems, Inc	WCS
WC-181	SOLID	Steel	Drum	Soil/Soil-Like	Glass	Landstar Systems, Inc	WCS
WC-182	SOLID	Steel	Drum	Soil/Soil-Like	Metal	Landstar Systems, Inc	WCS
WC-183	SOLID	Steel	Drum	PPE	Soil/Soil-Like	Landstar Systems, Inc	WCS
WC-184	SOLID	Steel	Drum	PPE	Cardboard	Landstar Systems, Inc	WCS
WC-185	SOLID	Steel	Drum	Soil/Soil-Like	Glass	Landstar Systems, Inc	WCS
WC-186	SOLID	Steel	Drum	Soil/Soil-Like	Glass	Landstar Systems, Inc	WCS
WC-187	SOLID	Steel	Drum	Soil/Soil-Like	Glass	Landstar Systems, Inc	WCS
WC-188	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS
WC-189	SOLID	Steel	Drum	Soil/Soil-Like	PPE	Landstar Systems, Inc	WCS
WC-190	SOLID	Steel	Drum	Soil/Soil-Like	PPE	Landstar Systems, Inc	WCS
WC-191	SOLID	Steel	Drum	Soil/Soil-Like	PPE	Landstar Systems, Inc	WCS
WC-192	SOLID	Steel	Drum	Soil/Soil-Like	PPE	Landstar Systems, Inc	WCS
WC-193	SOLID	Steel	Drum	Soil/Soil-Like	PPE	Landstar Systems, Inc	WCS
WC-194	SOLID	Steel	Drum	Soil/Soil-Like	Metal	Landstar Systems, Inc	WCS
WC-195*	SOLID	Steel	Drum	Spongeblast		Landstar Systems, Inc	USEI
WC-196*	SOLID	Steel	Drum	Spongeblast	Soil/Soil-Like	Landstar Systems, Inc	USEI
WC-197*	SOLID	Steel	Drum	Spongeblast		Landstar Systems, Inc	USEI

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WC-198	SOLID	Steel	Drum	Soil/Soil-Like	PVC/Plastic	Landstar Systems, Inc	WCS
WC-199	SOLID	Steel	Drum	PPE	Soil/Soil-Like	Landstar Systems, Inc	WCS
WC-200	SOLID	Steel	Drum	PPE	Soil/Soil-Like	Landstar Systems, Inc	WCS
WC-201	SOLID	Steel	Drum	PPE	Soil/Soil-Like	Landstar Systems, Inc	WCS
WC-202	SOLID	Steel	Drum	PPE	Soil/Soil-Like	Landstar Systems, Inc	WCS
WC-203	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS
WC-204*	SOLID	Steel	Drum	Spongeblast		Landstar Systems, Inc	USEI
WC-205	SOLID	Steel	Drum	PPE	Soil/Soil-Like	Landstar Systems, Inc	WCS
WC-206	SOLID	Steel	Drum	Soil/Soil-Like	PVC/Plastic	Landstar Systems, Inc	WCS
WC-207*	SOLID	Steel	Drum	Absorbent	Soil/Soil-Like	Landstar Systems, Inc	USEI
WC-208*	SOLID	Steel	Drum	Styrofoam	Soil/Soil-Like	Landstar Systems, Inc	USEI
WC-209*	SOLID	Steel	Drum	PVC/Plastic	Styrofoam	Landstar Systems, Inc	USEI
WC-210*	SOLID	Steel	Drum	Styrofoam	PVC/Plastic	Landstar Systems, Inc	USEI
WC-211*	SOLID	Steel	Drum	PVC/Plastic	Styrofoam	Landstar Systems, Inc	USEI
WC-212*	SOLID	Steel	Drum	PVC/Plastic	Styrofoam	Landstar Systems, Inc	USEI
WC-213*	SOLID	Steel	Drum	PVC/Plastic	Styrofoam	Landstar Systems, Inc	USEI
WC-214*	SOLID	Steel	Drum	PVC/Plastic	Soil/Soil-Like	Landstar Systems, Inc	USEI
WC-215	SOLID	Steel	Drum	PPE	Soil/Soil-Like	Landstar Systems, Inc	WCS
WC-216*	SOLID	Steel	Drum	PVC/Plastic		Landstar Systems, Inc	USEI
WC-217*	SOLID	Steel	Drum	PVC/Plastic	Soil/Soil-Like	Landstar Systems, Inc	USEI
WC-218	WATER	Steel	Drum	Water		HazMat Environmental	WCS
WC-219	WATER	Steel	Drum	Water		HazMat Environmental	WCS
WC-220	OIL	Steel	Drum	Oil		OP-TECH Environmental	Cycle Chem
WC-221	OIL	Steel	Drum	Oil		OP-TECH Environmental	Cycle Chem
WC-222+	SOLID	Steel	Drum	Soil/Soil-Like	PPE	OP-TECH Environmental	Cycle Chem
WC-223	OIL	Steel	Drum	Oil	Metal	OP-TECH Environmental	Cycle Chem
WC-224	SOLID	LSA	Box	Wood	PPE	Landstar Systems, Inc	USEI
WC-225+	Mercury	Plastic	Jar	250	ML	OP-TECH Environmental	Cycle Chem

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WC-226	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS
WC-227	SOLID	LSA	Box	PPE	Soil/Soil-Like	Landstar Systems, Inc	USEI
WC-600	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS
WC-601	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS
WC-602	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS
WC-603	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS
WC-604	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS
WC-605	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS
WC-606	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS
WC-607	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS
WC-608	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS
WC-609	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS
WC-610	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS
WC-611	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS
WC-612	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS
WC-613	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS
WC-614	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS
WC-615	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS
WC-616	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS
WC-617	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS
WC-618	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS
WC-619	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS
WC-620	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS
WC-621	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS
WC-622	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS
WC-623	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS
WC-624	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS
WC-625	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS

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WC-626	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS
WC-627	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS
WC-628	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS
WC-629	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS
WC-630	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS
WC-631	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS
WC-632	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS
WC-633	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS
WC-634	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS
WC-635	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS
WC-636	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS
WC-637	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS
WC-638	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS
WC-639	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS
WC-640	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS
WC-641	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS
WC-642	SOLID	Steel	Drum	Soil/Soil-Like		Landstar Systems, Inc	WCS
WC-643	WATER	Steel	Drum	Water		HazMat Environmental	WCS
WC-644	WATER	Steel	Drum	Water		HazMat Environmental	WCS
WC-645	WATER	Steel	Drum	Water		HazMat Environmental	WCS
WC-646	WATER	Steel	Drum	Water		HazMat Environmental	WCS
TANK1	WATER	Poly	Tank	Water		HazMat Environmental	WCS
TANK2	WATER	Poly	Tank	Water		HazMat Environmental	WCS
TANK3	WATER	Poly	Tank	Water		HazMat Environmental	WCS
1			Box	HNO3		OP-TECH Environmental	Cycle Chem
1A			Box	HNO3		OP-TECH Environmental	Cycle Chem
2A			Box	H2SO4		OP-TECH Environmental	Cycle Chem
2B			Box	H2SO4		OP-TECH Environmental	Cycle Chem

Appendix B
Waste Packages, Transporter and Disposal Facility
Niagara Falls Storage Site
Lewiston, New York

Container Identification	Matrix	Container Construction	Container Type	Content 1	Content 2	Transporter	Disposal Facility
3A			Cooler	HCL		OP-TECH Environmental	Cycle Chem
3B			Box	HCL		OP-TECH Environmental	Cycle Chem
4			Box	NaOH		OP-TECH Environmental	Cycle Chem
5			Box	Sodium Bisulfate		OP-TECH Environmental	Cycle Chem
6			Box	Expired Detector Tubes		OP-TECH Environmental	Cycle Chem
7			Cooler	Methanol		OP-TECH Environmental	Cycle Chem
8			Box	Acetone		OP-TECH Environmental	Cycle Chem
9			Box	Sodium Azide (<0.01%)		OP-TECH Environmental	Cycle Chem
10			5 Gal Container	Kerosene		OP-TECH Environmental	Cycle Chem
11			5 Gal Container	AW-32 Hydraulic Oil		OP-TECH Environmental	Cycle Chem
12A		Metal	32 oz Can	Charcoal Lighter Fluid		OP-TECH Environmental	Cycle Chem
13			Box	Unknown Liquids		OP-TECH Environmental	Cycle Chem
14			Box	Aerosol Paint Cans		OP-TECH Environmental	Cycle Chem
15			Box	Explosives Detector Kit		OP-TECH Environmental	Cycle Chem
16			Box	Respirator Fit Test Chemicals		OP-TECH Environmental	Cycle Chem
17			Box	Hach Hardness Test Chemicals		OP-TECH Environmental	Cycle Chem
18			Box	Small sealed battery		OP-TECH Environmental	Cycle Chem
19			Box	Acid Spill Kit Chemicals		OP-TECH Environmental	Cycle Chem
Three (3) additional LSAs with crushed drum material							
LSA 14	Solid	Metal	LSA	Empty steel drums-crushed		Landstar Systems, Inc	USEI
LSA 15	Solid	metal	LSA	Empty steel drums-crushed		Landstar Systems, Inc	USEI
LSA 16	Solid	metal	LSA	Empty steel drums-crushed		Landstar Systems, Inc	USEI

*= part of 23 55-gallon drum containers making up CG-109

+ = Waste container WC-222 and WC-225 are listed as two separate items; however, WC-225 was placed inside WC-222 and shipped as one container.

APPENDIX C

Project Photos

LSA Boxes Staged for Shipment Off Site



Photo #1



Photo #2

LSA Boxes Staged for Shipment Off Site



Photo #3



Photo #4

55-Gallon Drums and 85-Gallon Poly Containers Staged for Shipment Off-Site



Photo # 5



Photo #6

55-Gallon Drums and 85-Gallon Poly Containers Staged for Shipment Off-Site



Photo #7



Photo # 8

55-Gallon Drums Staged for Shipment Off-Site



Photo #9



Photo #10

Green and White Poly Tanks Containing Water



Photo #11

Lab Pack Chemicals and Oil Drums Staged for Shipment Off Site



Photo #12

APPENDIX D

Waste Profiles

APPENDIX D

Waste Profiles

WCS Disposal

**Approximately 250 55-gallon Drums of Solid Waste
and
Liquid Waste Bulk Tanker Waste Waters**

WASTECONTROL
SPECIALISTS LLC

Radiological Profile Attachment (OP-1.1-2)

PROFILE #:

Requested Facility (check all that apply):	<input checked="" type="checkbox"/> RCRA TSDF- EPA ID # TXD988088464 State ID# HW-50358 <input type="checkbox"/> LLRW/LLMW Treatment/Storage Facility- TCEQ Lic. # R04971 <input type="checkbox"/> Byproduct Materials Landfill TCEQ Lic. # R05807
---	--

Regulatory Status of Material or Waste (check all that apply)	<input type="checkbox"/> Exempt Radioactive Waste <input type="checkbox"/> Byproduct Material <input type="checkbox"/> Licensed Mixed Waste	<input type="checkbox"/> Licensed Radiological Waste <input type="checkbox"/> Federal Facility Waste <input checked="" type="checkbox"/> X Other (please list): Non-Haz Waste
---	---	---

Check Appropriate Box:	<input type="checkbox"/> Storage Only <input type="checkbox"/> Direct Disposal	<input checked="" type="checkbox"/> X Treatment/Disposal <input type="checkbox"/> Treatment/Return to Generator	<input type="checkbox"/> Treatment/3 rd Party Disposal <input type="checkbox"/> Disposal Site:
------------------------	---	--	--

Chemical Form: Oxide			
Is material waste (Check one): <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Is material exempt (Check one): <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (WAC Section 3.2.1)	
If Waste, what waste class (Check one): <input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C or <input type="checkbox"/> >C (see Title 10 CFR 61.55 and 30 TAC 336.362 N/A)			
Is material NORM (Check one): <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Is material source material (Check one): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> X No	
If NORM radium, please indicate Radon emanation rate: N/A _pCi/m ² /sec			
Grams of special nuclear material (Total for Profile): Pu 0 U-233 0 U-235 0		If material/waste contains special nuclear material, please complete WCS OP-1.2.22 Attachment 1	
Highest dose rate in mR/hr: On contact background At 1 ft. background			
Are the containers overpacked? (Check one): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> X No			
Describe the packaging: Bulk waters in vac tanker			
4500 Total Gallons			

Radioactive Constituents:				
Nuclide	Min.	Concentration Range (pCi/L)	Avg.	Total Activity (mCi)
Radium 226	<.061	7.94	1.39	.015
Radium 228	<.02	8.76	1.23	.015
Thorium 228	<.006	2.67	.55	.008
Thorium 230	<.004	3.17	.51	.008
Thorium 232	<.001	2.01	.45	.007
Uranium 233/234	1.06	25.9	5.35	.075
Uranium 235/236	0	1.76	.3	.004
Uranium 238	.726	27.4	5.15	.075

Generator's Certification:			
The information contained herein is based on <input type="checkbox"/> generator knowledge and/or <input checked="" type="checkbox"/> analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the sample(s) provided to WCS is representative of all materials described by this document, that the materials tested are representative of all materials described by this document, and that the methods of analysis used are the appropriate analytical methods as specified in the current editions of EPA (SW-846) and HASL 300 or equivalent methods.			

Authorized Signature: 	Date: 9-2-2010
Printed Name: <u>Stephen M. Boen</u> Title: <u>Health Physicist</u>	

WASTECONTROL
SPECIALISTS LLC

Radiological Profile Attachment (OP-1.1-2)

PROFILE #:

Requested Facility (check all that apply):	X RCRA TSDF- EPA ID # TXD988088464 State ID# HW-50358 <input type="checkbox"/> LLRW/LLMW Treatment/Storage Facility- TCEQ Lic. # R04971 <input type="checkbox"/> Byproduct Materials Landfill TCEQ Lic. # R05807
---	--

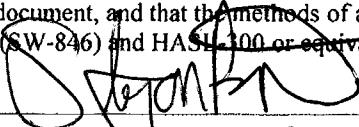
Regulatory Status of Material or Waste (check all that apply)	<input type="checkbox"/> Exempt Radioactive Waste <input type="checkbox"/> Byproduct Material <input type="checkbox"/> Licensed Mixed Waste	<input type="checkbox"/> Licensed Radiological Waste <input type="checkbox"/> Federal Facility Waste <input checked="" type="checkbox"/> X Other (please list): Non-Haz Waste
--	---	---

Check Appropriate Box:	<input type="checkbox"/> Storage Only <input checked="" type="checkbox"/> X Direct Disposal	<input type="checkbox"/> Treatment/Disposal <input type="checkbox"/> Treatment/Return to Generator	<input type="checkbox"/> Treatment/3 rd Party Disposal Disposal Site:
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Chemical Form: Oxide			
Is material waste (Check one): X Yes <input type="checkbox"/> No	Is material exempt (Check one): X Yes <input type="checkbox"/> No (WAC Section 3.2.1)		
If Waste, what waste class (Check one): <input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C or <input type="checkbox"/> >C (see Title 10 CFR 61.55 and 30 TAC 336.362 N/A			
Is material NORM (Check one): X Yes <input type="checkbox"/> No	Is material source material (Check one): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> X No		
If NORM radium, please indicate Radon emanation rate: N/A pCi/m ² /sec			
Grams of special nuclear material (Total for Profile): <u>Pu 0 U-233 0 U-235 0</u>	If material/waste contains special nuclear material, please complete WCS OP-1.2.22 Attachment 1		
Highest dose rate in mR/hr: On contact background	At 1 ft. background		
Are the containers overpacked? (Check one): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> X No (a few may be)			
Describe the packaging: 55 gallon drums			
1500 Total Cubic Feet (app. 200 drums)			

Radioactive Constituents:				
List all radionuclides present in the waste, the concentration pCi/gm and the total activity in millicuries. (Attach additional sheets if necessary-please use the same table format as below.)				
Nuclide	Min.	Max.	Avg.	Total Activity (mCi)
Radium 226	.826	13.6	2.78	.1
Radium 228	.257	6.41	1.62	.07
Thorium 228	<.163	6.84	1.46	.06
Thorium 230	.345	16	3.07	.13
Thorium 232	.203	2.77	1.02	.04
Uranium 233/234	<.0924	3.24	1.1	.04
Uranium 235	<.0187	.64	<.19	<.008
Uranium 235/236	0	<.116	<.05	<.002
Uranium 238	.205	3.24	<1.1	<.04

Generator's Certification:				
The information contained herein is based on <input type="checkbox"/> generator knowledge and/or <input checked="" type="checkbox"/> analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the sample(s) provided to WCS is representative of all materials described by this document, that the materials tested are representative of all materials described by this document, and that the methods of analysis used are the appropriate analytical methods as specified in the current editions of EPA (SW-846) and HASL-100 or equivalent methods.				

Authorized Signature: 	Date: 9-3-2010
Printed Name: 	Title: Health Physicist

WASTECONTROL
SPECIALISTS LLC

Radiological Profile Attachment (OP-1.1-2)

PROFILE #:

Requested Facility (check all that apply):	<input checked="" type="checkbox"/> RCRA TSDF- EPA ID # TXD988088464 State ID# HW-50358 <input type="checkbox"/> LLRW/LLMW Treatment/Storage Facility- TCEQ Lic. # R04971 <input type="checkbox"/> Byproduct Materials Landfill TCEQ Lic. # R05807	
---	--	--

Regulatory Status of Material or Waste (check all that apply)	<input type="checkbox"/> Exempt Radioactive Waste <input type="checkbox"/> Byproduct Material <input type="checkbox"/> Licensed Mixed Waste	<input type="checkbox"/> Licensed Radiological Waste <input type="checkbox"/> Federal Facility Waste <input checked="" type="checkbox"/> X Other (please list): Non-Haz Waste
--	---	---

Check Appropriate Box:	<input type="checkbox"/> Storage Only <input checked="" type="checkbox"/> X Direct Disposal	<input type="checkbox"/> Treatment/Disposal <input type="checkbox"/> Treatment/Return to Generator	<input type="checkbox"/> Treatment/3 rd Party Disposal Disposal Site:
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Chemical Form: Oxide			
Is material waste (Check one): <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Is material exempt (Check one): <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (WAC Section 3.2.1)	
If Waste, what waste class (Check one): <input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C or <input type="checkbox"/> >C (see Title 10 CFR 61.55 and 30 TAC 336.362 N/A)			
Is material NORM (Check one): <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Is material source material (Check one): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> X No	
If NORM radium, please indicate Radon emanation rate: N/A_pCi/m ² /sec			
Grams of special nuclear material (Total for Profile): Pu 0 U-233 0 U-235 0		If material/waste contains special nuclear material, please complete WCS OP-1.2.22 Attachment 1	
Highest dose rate in mR/hr: On contact background At 1 ft. background			
Are the containers overpacked? (Check one): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> X No (a few may be)			
Describe the packaging: 55 gallon drums			
570 Total Cubic Feet (app. 75 drums)			

Radioactive Constituents: List all radionuclides present in the waste, the concentration pCi/gm and the total activity in millicuries. (Attach additional sheets if necessary-please use the same table format as below.)				
Nuclide	Concentration Range (pCi/gm)	Min.	Max.	Avg.
Radium 226	.4	10.4	5.06	.074
Radium 228	<.01	1.5	<.5	<.0074
Thorium 228	<.009	1.3	.4	.0059
Thorium 230	<.008	4	1.2	.015
Thorium 232	<.01	.8	<.3	<.0045
Uranium 233/234	.1	17.8	5.9	.089
Uranium 235	<.02	2.5	<.86	<.013
Uranium 235/236	<.09	1	<.38	<.0059
Uranium 238	<.03	35.1	9.4	.134

Generator's Certification:	
The information contained herein is based on <input type="checkbox"/> generator knowledge and/or <input checked="" type="checkbox"/> analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the sample(s) provided to WCS is representative of all materials described by this document, that the materials tested are representative of all materials described by this document, and that the methods of analysis used are the appropriate analytical methods as specified in the current editions of EPA (SW-846) and HASL-300 or equivalent methods.	
Authorized Signature: <u>Val J. Miller</u>	Date: <u>09/02/2010</u>
Printed Name: <u>ATM</u> Title: <u>Health Physicist</u>	

Facility Address for Manifest: 9998 W. Hwy. 176 Andrews, TX 79714	SAMPLE – UPS Address: 9998 W. Hwy. 176 Andrews, TX 79714	WASTECONTROL SPECIALISTS LLC	Business Mailing Address: PO Box 1129 Andrews, TX 79714	Site Contacts: Ph #: (888) 789-2783/ (575) 394-4300 Fax #: (575) 394-3427
Sales Representative		Waste Profile Sheet (OP-1.1-1)		Profile Number

Requested Facility (check all that apply):	X RCRA TSDF- EPA ID # TXD98808846 State ID# HW-50358 <input type="checkbox"/> LLRW/LLMW Treatment/Storage Facility- TCEQ Lic. # R04971 <input type="checkbox"/> Byproduct Materials Landfill TCEQ Lic. # R05807
---	---

Regulatory Status of Material or Waste/Attachments (check all that apply)	<input type="checkbox"/> RCRA Hazardous Waste <input type="checkbox"/> Licensed Radiological Waste <input checked="" type="checkbox"/> X Non-Hazardous Waste	<input type="checkbox"/> Exempt Radioactive Waste <input type="checkbox"/> Byproduct Material <input type="checkbox"/> other (please note):	
Attachments:	<input type="checkbox"/> Chain of Custody <input checked="" type="checkbox"/> X RCRA Analytical	<input type="checkbox"/> MSDS <input type="checkbox"/> Attachment for Radioactive Material (includes NORM/Exempt) <input type="checkbox"/> X Radiological Analytical	<input type="checkbox"/> Other <input type="checkbox"/> Representative Sample: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> X No
List any unacceptable treatment methods:	PO Required for Invoicing: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> X No		

SECTION 1:	<input type="checkbox"/> Check if billing information is the same address. Billing Company: I.C.E. Service Group, Inc.		
Generator Name: USACE – NFSS FUSRAP Site			
Physical Address: 1397 Pletcher Road	Mail Address: 192 Ohio River Blvd, Suite 100		
City, State, Zip: Lewistown, NY 14092	City, State, Zip: Ambridge, PA 15003		
Technical Contact: e-mail:	Billing Contact: Mark Delfratte e-mail: mdelfratte@iceservicegroup.com		
Phone #: _____	Fax #: _____	Phone #: 724-266-7580	Fax #: 724-266-7583
Manifest Return Address: 1776 Niagara Street, Buffalo, NY 14207			

SECTION 2: Generator Regulatory Status	State ID#: D0036	EPA ID#: _____					
<input type="checkbox"/> Industrial	<input type="checkbox"/> Municipal	<input type="checkbox"/> PST Waste	<input type="checkbox"/> Universal Waste	<input type="checkbox"/> SQG	<input type="checkbox"/> CESQG	<input type="checkbox"/> Oil & Gas Exempt	<input type="checkbox"/> Oil & Gas Non-Exempt

SECTION 3: General Description and Regulatory Information	State Waste Code #: _____				
Waste Name: Non-Hazardous Soils					
Process Generating Waste: Investigation derived soils					
Is this a US EPA hazardous waste? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> X No If yes, list all codes and LDR subcategories in table below (if additional space is required, use form OP-1.1-8, <i>Land Disposal Notification and Certification Form</i>).					
Waste Code	Subcategory	Waste Code	Subcategory	Waste Code	Subcategory

Other Regulatory Information (Please read each question carefully)	N/A	Yes	No	RCRA Exempt Waste (List Reference _____)	N/A	Yes	No
TSCA regulated for PCB's Concentration?	<input type="checkbox"/>	X		Regulated Subpart CC Waste (VOC >500 ppm)	<input type="checkbox"/>	X	
Asbestos Regulated Material (If Yes, is material friable? <input type="checkbox"/> Yes <input type="checkbox"/> No)	<input type="checkbox"/>	X		Does waste contain sorbents (If yes, are sorbents biodegradable? <input type="checkbox"/> Yes <input type="checkbox"/> No)	<input type="checkbox"/>	X	
Regulated Ozone Depleting Substance	<input type="checkbox"/>	X		Waste soil subject to LDR alternate treatment standards	<input type="checkbox"/>	X	
Benzene NESHP Regulated <input type="checkbox"/> With Controls <input type="checkbox"/> With Out Controls	<input type="checkbox"/>	X		Waste debris subject to LDR alternate treatment standards	<input type="checkbox"/>	X	
Does non-debris waste requiring treatment contain <500 ppm VOC's?	X	<input type="checkbox"/>	<input type="checkbox"/>	Does debris contain <500 ppm VOC's?	X	<input type="checkbox"/>	<input type="checkbox"/>
Does material contain any regulated UHC's	<input type="checkbox"/>	X		If yes, list: _____			

WASTECONTROL

SPECIALISTS LLC

Waste Profile Sheet continued (OP-1.1-1)

Waste Profile Number:

SECTION 4: Waste Composition

Percentage by Weight

X Percentage by Volume

Physical Composition	Actual/Avg.	Range		Physical Composition	Actual/Avg.	Range	
Soil		75 %	100 %			%	%
Debris		0 %	25 %			%	%
	%	%	%			%	%

Range Totals Must Be $\geq 100\%$

Metals X TCLP	<input type="checkbox"/> Totals	X Analytical	X Generator's Knowledge	X ppm	<input type="checkbox"/> ppb
Antimony: BRL	Beryllium: BRL	Lead: BRL	Silver: BRL	Mercury: BRL	If waste carries D009, please check appropriate box below
Arsenic: BRL	Cadmium: BRL	Nickel: BRL	Thallium: BRL	<input type="checkbox"/> Mercury <260 ppm totals	
Barium: BRL	Chromium: BRL	Selenium: BRL	Zinc: BRL	<input type="checkbox"/> Mercury >260 ppm totals	
Inorganic Constituents: <input type="checkbox"/> % by Wt <input type="checkbox"/> % by Vol					Organic Constituents: X ppm <input type="checkbox"/> ppb <input type="checkbox"/> % by Wt <input type="checkbox"/> % by Vol
Chlorine: <u><30 ppm</u>	: <u>%</u>	Organics: <u><1 ppm</u>	X TCLP	<input type="checkbox"/> Totals	<input type="checkbox"/> Gen. Knowledge
Cyanides: <u>0 Total</u>	<u>Amenable</u>	Benzene: <u><.003pp</u>	X TCLP	<input type="checkbox"/> Totals	<input type="checkbox"/> Gen. Knowledge
Sulfides: <u>0 Total</u>	<u>Reactive</u>	Use attachment for additional chemical constituents.			
Average VOC content in ppm: <u>< 1 ppm</u> (this box is required to be completed for all waste streams shipped to WCS)					

SECTION 5: Waste Characteristics		Flashpoint °F	pH	Turbidity	Viscosity
Liquid 0 %	Solid 100% # of Layers <u>1</u>	<u>Actual</u>	<input type="checkbox"/> 0-2	<input type="checkbox"/> Transparent	<input type="checkbox"/> Light (water)
Sludge <u> </u> %	Debris 0-25 %	X >200	<input type="checkbox"/> >2.1-4	<input type="checkbox"/> Translucent	<input type="checkbox"/> Medium (syrup)
<input type="checkbox"/> % by Weight	X % by Volume	<input type="checkbox"/> >140-200	X >4-10	X Opaque	<input type="checkbox"/> Heavy (tar)
Specific Gravity <u> </u>	Density <u>1.4</u>	<input type="checkbox"/> >100-139	<input type="checkbox"/> >10-12.4	<input type="checkbox"/> Other	<input type="checkbox"/> N/A
Other Characteristics:		<input type="checkbox"/> <100	<input type="checkbox"/> >12.5-14		X N/A
Other Characteristics of Waste		X None Apply			
Yes	No	Yes	No	Yes	No
<input type="checkbox"/>	<input type="checkbox"/> Oxidizer	<input type="checkbox"/>	<input type="checkbox"/> Dioxin Listed (Storage Only)	<input type="checkbox"/>	<input type="checkbox"/> Liquid Organic Peroxide (not acceptable)
<input type="checkbox"/>	<input type="checkbox"/> Explosive (not acceptable)	<input type="checkbox"/>	<input type="checkbox"/> Infectious or Etiological (not acceptable)	<input type="checkbox"/>	<input type="checkbox"/> Fuming/Smoking Waste
<input type="checkbox"/>	<input type="checkbox"/> Pyrophoric (not acceptable)	<input type="checkbox"/>	<input type="checkbox"/> Putrescible (not acceptable)	<input type="checkbox"/>	<input type="checkbox"/> Pressurized Gasses (other than aerosols, not acceptable)
<input type="checkbox"/>	<input type="checkbox"/> Water Reactive	<input type="checkbox"/>	<input type="checkbox"/> Autopolymerizable	<input type="checkbox"/>	<input type="checkbox"/> Solid Organic Peroxide

SECTION 6: Shipping Information DOT Shipping Name: US DOT Exempt Non-Regulated Material

Hazard Class/Div.	ID# (UN/NA)	Packing Group (PG)	RQ
<input type="checkbox"/> Soft Top Rolloff	<input type="checkbox"/> B-25 <input type="checkbox"/> B-12	X 55 gal. <input type="checkbox"/> Metal <input type="checkbox"/> Poly <input type="checkbox"/> Fiber	Quantity 200
<input type="checkbox"/> Hard Top Rolloff	<input type="checkbox"/> Cu Yd Box or Super Sack	<input type="checkbox"/> 30 gal. <input type="checkbox"/> Metal <input type="checkbox"/> Poly <input type="checkbox"/> Fiber	Frequency one time
<input type="checkbox"/> Gondola	<input type="checkbox"/> Shrink Wrapped Pallet	<input type="checkbox"/> 15 gal. <input type="checkbox"/> Metal <input type="checkbox"/> Poly <input type="checkbox"/> Fiber	Overpacked Drums: Type _____ Size _____
<input type="checkbox"/> Intermodal	<input type="checkbox"/> Tanker	<input type="checkbox"/> 5 gal. <input type="checkbox"/> Metal <input type="checkbox"/> Poly <input type="checkbox"/> Fiber	
<input type="checkbox"/> Other, please specify:			

SECTION 7: Certification

The information contained herein is based on X generator's knowledge and/or X analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exists and that all known suspected hazards have been disclosed. I certify that the sample(s) provided to WCS is representative of all materials described by this document, that the materials tested are representative of all materials described by this document, and that the methods of analysis used are the appropriate analytical methods as specified in the current editions of EPA (SW-846) or equivalent methods.

Signature

Printed/Typed Name

09/02/2010

Date

Facility Address for Manifest: 9998 W. Hwy. 176 Andrews, TX 79714	SAMPLE – UPS Address: 9998 W. Hwy. 176 Andrews, TX 79714	WASTECONTROL SPECIALISTS LLC	Business Mailing Address: PO Box 1129 Andrews, TX 79714	Site Contacts: Ph #: (888) 789-2783/ (575) 394-4300 Fax #: (575) 394-3427
Sales Representative		Waste Profile Sheet (OP-1.1-1)		Profile Number

Requested Facility (check all that apply):	X RCRA TSDF- EPA ID # TXD98808846 State ID# HW-50358 <input type="checkbox"/> LLRW/LLMW Treatment/Storage Facility- TCEQ Lic. # R04971 <input type="checkbox"/> Byproduct Materials Landfill TCEQ Lic. # R05807
---	---

Regulatory Status of Material or Waste/Attachments (check all that apply)	<input type="checkbox"/> RCRA Hazardous Waste <input type="checkbox"/> Licensed Radiological Waste <input type="checkbox"/> X Non-Hazardous Waste	<input type="checkbox"/> Exempt Radioactive Waste <input type="checkbox"/> Byproduct Material <input type="checkbox"/> other (please note):
Attachments:	<input type="checkbox"/> Chain of Custody <input checked="" type="checkbox"/> MSDS <input type="checkbox"/> Attachment for Radioactive Material (includes NORM/Exempt) <input checked="" type="checkbox"/> X RCRA Analytical <input checked="" type="checkbox"/> X Radiological Analytical	<input type="checkbox"/> Other <input type="checkbox"/> Representative Sample: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> X No
List any unacceptable treatment methods:	PO Required for Invoicing: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> X No	

SECTION 1:	<input type="checkbox"/> Check if billing information is the same address.	
Generator Name: USACE – NFSS FUSRAP Site	Billing Company: I.C.E. Service Group, Inc.	
Physical Address: 1397 Pletcher Road	Mail Address: 192 Ohio River Blvd, Suite 100	
City, State, Zip: Lewistown, NY 14092	City, State, Zip: Ambridge, PA 15003	
Technical Contact: e-mail:	Billing Contact: Mark Delfratte e-mail: mdelfratte@iceservicegroup.com	
Phone #:	Fax #:	Phone #: 724-266-7580 Fax #: 724-266-7583
Manifest Return Address: 1776 Niagara Street, Buffalo, NY 14207		

SECTION 2: Generator Regulatory Status	State ID#: <u>D0036</u>	EPA ID#: _____					
<input type="checkbox"/> Industrial	<input type="checkbox"/> Municipal	<input type="checkbox"/> PST Waste	<input checked="" type="checkbox"/> Universal Waste	<input type="checkbox"/> SQG	<input type="checkbox"/> CESQG	<input type="checkbox"/> Oil & Gas Exempt	<input type="checkbox"/> Oil & Gas Non-Exempt

SECTION 3: General Description and Regulatory Information	State Waste Code #: _____				
Waste Name: Non-Hazardous Debris/PPE					
Process Generating Waste: Investigation derived Debris and PPE					
Is this a US EPA hazardous waste? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If yes, list all codes and LDR subcategories in table below (if additional space is required, use form OP-1.1-8, <i>Land Disposal Notification and Certification Form</i>).					
Waste Code	Subcategory	Waste Code	Subcategory	Waste Code	Subcategory

Other Regulatory Information (Please read each question carefully)	N/A	Yes	No	RCRA Exempt Waste (List Reference _____)	N/A	Yes	No
TSCA regulated for PCB's Concentration?		<input type="checkbox"/>	<input checked="" type="checkbox"/> X	Regulated Subpart CC Waste (VOC >500 ppm)		<input type="checkbox"/>	<input checked="" type="checkbox"/> X
Asbestos Regulated Material (If Yes, is material friable? <input type="checkbox"/> Yes <input type="checkbox"/> No)		<input type="checkbox"/>	<input checked="" type="checkbox"/> X	Does waste contain sorbents (If yes, are sorbents biodegradable? <input type="checkbox"/> Yes <input type="checkbox"/> No)		<input type="checkbox"/>	<input checked="" type="checkbox"/> X
Regulated Ozone Depleting Substance		<input type="checkbox"/>	<input checked="" type="checkbox"/> X	Waste soil subject to LDR alternate treatment standards		<input type="checkbox"/>	<input checked="" type="checkbox"/> X
Benzene NESHP Regulated <input type="checkbox"/> With Controls <input type="checkbox"/> With Out Controls		<input type="checkbox"/>	<input checked="" type="checkbox"/> X	Waste debris subject to LDR alternate treatment standards		<input type="checkbox"/>	<input checked="" type="checkbox"/> X
Does non-debris waste requiring treatment contain <500 ppm VOC's?	X	<input type="checkbox"/>	<input type="checkbox"/>	Does debris contain <500 ppm VOC's?		<input checked="" type="checkbox"/> X	<input type="checkbox"/>
Does material contain any regulated UHC's		<input type="checkbox"/>	<input checked="" type="checkbox"/> X	If yes, list:			

WASTECONTROL

SPECIALISTS LLC

Waste Profile Sheet continued (OP-1.1-1)

Waste Profile Number:

SECTION 4: Waste Composition

Percentage by Weight

X Percentage by Volume

Physical Composition	Actual/Avg.	Range		Physical Composition	Actual/Avg.	Range	
Debris (wood, concrete, metal, plastic)		0 %	100 %			%	%
PPE		0 %	100 %			%	%
	%	%	%			%	%

* Range Totals Must Be > 100%

Metals X TCLP	<input type="checkbox"/> Totals	X Analytical	X Generator's Knowledge	X ppm	<input type="checkbox"/> ppb
Antimony: BRL	Beryllium: BRL	Lead: BRL	Silver: BRL	Mercury: BRL If waste carries D009, please check appropriate box below <input type="checkbox"/> Mercury <260 ppm totals <input type="checkbox"/> Mercury >260 ppm totals	
Arsenic: BRL	Cadmium: BRL	Nickel: BRL	Thallium: BRL		
Barium: BRL	Chromium: BRL	Selenium: BRL	Zinc: BRL		

Inorganic Constituents: <input type="checkbox"/> % by Wt <input type="checkbox"/> % by Vol	Organic Constituents: X ppm <input type="checkbox"/> ppb <input type="checkbox"/> % by Wt <input type="checkbox"/> % by Vol		
Chlorine: <u><12 ppm</u> : _____ %	Organics : < 1 ppm <input type="checkbox"/> TCLP <input type="checkbox"/> Totals <input type="checkbox"/> Gen. Knowledge		
Cyanides: <u>0</u> Total _____ Amenable _____ Reactive _____	Benzene : <.003ppm <input type="checkbox"/> TCLP <input type="checkbox"/> Totals <input type="checkbox"/> Gen. Knowledge		
Sulfides: <u>0</u> Total _____ Reactive _____	Use attachment for additional chemical constituents.		

Average VOC content in ppm: < 1 ppm (this box is required to be completed for all waste streams shipped to WCS)

SECTION 5: Waste Characteristics	Flashpoint °F	pH	Turbidity	Viscosity
Liquid 0% Solid 100% # of Layers 1	Actual	<input type="checkbox"/> 0-2	<input type="checkbox"/> Transparent	<input type="checkbox"/> Light (water)
Sludge _____ % Debris 0-100 %	X >200	<input type="checkbox"/> >2.1-4	<input type="checkbox"/> Translucent	<input type="checkbox"/> Medium (syrup)
<input type="checkbox"/> % by Weight X % by Volume	<input type="checkbox"/> >140-200	X >4-10	X Opaque	<input type="checkbox"/> Heavy (tar)
Specific Gravity _____ Density <1	<input type="checkbox"/> >100-139	<input type="checkbox"/> >10-12.4	<input type="checkbox"/> Other _____	<input type="checkbox"/> N/A
Other Characteristics:	<input type="checkbox"/> <100	<input type="checkbox"/> >12.5-14		

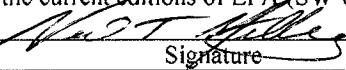
Other Characteristics of Waste	X None Apply	Yes No	Yes No	Yes No
<input type="checkbox"/> <input type="checkbox"/> Oxidizer	<input type="checkbox"/> <input type="checkbox"/> Dioxin Listed (Storage Only)	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> Liquid Organic Peroxide (not acceptable)	
<input type="checkbox"/> <input type="checkbox"/> Explosive (not acceptable)	<input type="checkbox"/> <input type="checkbox"/> Infectious or Etiological (not acceptable)	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> Fuming/Smoking Waste	
<input type="checkbox"/> <input type="checkbox"/> Pyrophoric (not acceptable)	<input type="checkbox"/> <input type="checkbox"/> Putrescible (not acceptable)	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> Pressurized Gasses (other than aerosols, not acceptable)	
<input type="checkbox"/> <input type="checkbox"/> Water Reactive	<input type="checkbox"/> <input type="checkbox"/> Autopolymerizable	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> Solid Organic Peroxide	

SECTION 6: Shipping Information DOT Shipping Name: US DOT Exempt Non-Regulated Material

Hazard Class/Div.	ID# (UN/NA)	Packing Group (PG)	RQ
<input type="checkbox"/> Soft Top Rolloff	<input type="checkbox"/> B-25 <input type="checkbox"/> B-12	X 55 gal. X Metal <input type="checkbox"/> Poly <input type="checkbox"/> Fiber	Quantity 75
<input type="checkbox"/> Hard Top Rolloff	<input type="checkbox"/> Cu Yd Box or Super Sack	<input type="checkbox"/> 30 gal. <input type="checkbox"/> Metal <input type="checkbox"/> Poly <input type="checkbox"/> Fiber	Frequency one time
<input type="checkbox"/> Gondola	<input type="checkbox"/> Shrink Wrapped Pallet	<input type="checkbox"/> 15 gal. <input type="checkbox"/> Metal <input type="checkbox"/> Poly <input type="checkbox"/> Fiber	Overpacked Drums: Type _____ Size _____
<input type="checkbox"/> Intermodal	<input type="checkbox"/> Tanker	<input type="checkbox"/> 5 gal. <input type="checkbox"/> Metal <input type="checkbox"/> Poly <input type="checkbox"/> Fiber	
<input type="checkbox"/> Other, please specify:			

SECTION 7: Certification

The information contained herein is based on X generator's knowledge and/or X analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exists and that all known suspected hazards have been disclosed. I certify that the sample(s) provided to WCS is representative of all materials described by this document, that the materials tested are representative of all materials described by this document, and that the methods of analysis used are the appropriate analytical methods as specified in the current editions of EPA (SW-846) or equivalent methods.


Signature

Neil T. Miller

Printed/Typed Name

09/02/2010

Date
Verified
Confirmed

Facility Address for Manifest: 9998 W. Hwy. 176 Andrews, TX 79714	SAMPLE – UPS Address: 9998 W. Hwy. 176 Andrews, TX 79714	WASTECONTROL SPECIALISTS LLC	Business Mailing Address: PO Box 1129 Andrews, TX 79714	Site Contacts: Ph #: (888) 789-2783/ (575) 394-4300 Fax #: (575) 394-3427
Sales Representative	Waste Profile Sheet (OP-1.1-1)		Profile Number	

Requested Facility (check all that apply):	<input checked="" type="checkbox"/> RCRA TSDF- EPA ID # TXD988088464 State ID# HW-50358 <input type="checkbox"/> LLRW/LLMW Treatment/Storage Facility- TCEQ Lic. # R04971 <input type="checkbox"/> Byproduct Materials Landfill TCEQ Lic. # R05807
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Regulatory Status of Material or Waste/Attachments (check all that apply)	<input type="checkbox"/> RCRA Hazardous Waste <input type="checkbox"/> Licensed Radiological Waste <input checked="" type="checkbox"/> X Non-Hazardous Waste	<input type="checkbox"/> Exempt Radioactive Waste <input type="checkbox"/> Byproduct Material <input type="checkbox"/> other (please note):	
Attachments:	<input type="checkbox"/> Chain of Custody <input checked="" type="checkbox"/> X RCRA Analytical	<input type="checkbox"/> MSDS <input type="checkbox"/> Attachment for Radioactive Material (includes NORM/Exempt) <input type="checkbox"/> X Radiological Analytical	<input type="checkbox"/> Other Representative Sample: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> X No
List any unacceptable treatment methods:	PO Required for Invoicing: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> X No		

SECTION 1:		<input type="checkbox"/> Check if billing information is the same address.	
Generator Name: USACE – NFSS FUSRAP Site		Billing Company: I.C.E. Service Group, Inc.	
Physical Address: 1397 Pletcher Road		Mail Address: 192 Ohio River Blvd, Suite 100	
City, State, Zip: Lewistown, NY 14092		City, State, Zip: Ambridge, PA 15003	
Technical Contact: e-mail:		Billing Contact: Mark DeFratte e-mail: mdefratte@iceservicegroup.com	
Phone #:	Fax #:	Phone #: 724-266-7580	Fax #: 724-266-7583
Manifest Return Address: 1776 Niagara Street, Buffalo, NY 14207			

SECTION 2: Generator Regulatory Status		State ID#: D0036	EPA ID#:				
<input type="checkbox"/> Industrial	<input type="checkbox"/> Municipal	<input checked="" type="checkbox"/> PST Waste	<input type="checkbox"/> Universal Waste	<input type="checkbox"/> SQG	<input type="checkbox"/> CESQG	<input type="checkbox"/> Oil & Gas Exempt	<input type="checkbox"/> Oil & Gas Non-Exempt

SECTION 3: General Description and Regulatory Information		State Waste Code #: _____			
Waste Name: Non-Hazardous Waters					
Process Generating Waste: Investigation derived well and decon waters					
Is this a US EPA hazardous waste? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> X No If yes, list all codes and LDR subcategories in table below (if additional space is required, use form OP-1.1-8, <i>Land Disposal Notification and Certification Form</i>).					
Waste Code	Subcategory	Waste Code	Subcategory	Waste Code	Subcategory

Other Regulatory Information (Please read each question carefully)	N/A	Yes	No	RCRA Exempt Waste (List Reference _____)	N/A	Yes	No
TSCA regulated for PCB's Concentration?	<input type="checkbox"/>	X		Regulated Subpart CC Waste (VOC >500 ppm)	<input type="checkbox"/>		X
Asbestos Regulated Material (If Yes, is material friable? <input type="checkbox"/> Yes <input type="checkbox"/> No)	<input type="checkbox"/>	X		Does waste contain sorbents (If yes, are sorbents biodegradable? <input type="checkbox"/> Yes <input type="checkbox"/> No)	<input type="checkbox"/>		X
Regulated Ozone Depleting Substance	<input type="checkbox"/>	X		Waste soil subject to LDR alternate treatment standards	<input type="checkbox"/>		X
Benzene NESHP Regulated <input type="checkbox"/> With Controls <input type="checkbox"/> With Out Controls	<input type="checkbox"/>	X		Waste debris subject to LDR alternate treatment standards	<input type="checkbox"/>		X
Does non-debris waste requiring treatment contain <500 ppm VOC's?	X	<input type="checkbox"/>		Does debris contain <500 ppm VOC's?	X		<input type="checkbox"/>
Does material contain any regulated UHC's	<input type="checkbox"/>	X		If yes, list:			

WASTECONTROL

SPECIALISTS LLC

Waste Profile Sheet continued (OP-I.I-I)

Waste Profile Number:

SECTION 4: Waste Composition

Percentage by Weight

X Percentage by Volume

Physical Composition	Actual/Avg.	Range		Physical Composition	Actual/Avg.	Range	
Water		99 %	100 %			%	%
Soil		0 %	1%			%	%
	%	%	%			%	%

Range Totals Must Be $\geq 100\%$

Metals	TCLP	X Totals	X Analytical	X Generator's Knowledge	X ppm	<input type="checkbox"/> ppb
Antimony: BRL	Beryllium: BRL	Lead: BRL	Silver: BRL	Mercury: BRL	If waste carries D009, please check appropriate box below	
Arsenic: BRL	Cadmium: BRL	Nickel: BRL	Thallium: BRL	<input type="checkbox"/> Mercury <260 ppm totals <input type="checkbox"/> Mercury >260 ppm totals		
Barium: BRL	Chromium: BRL	Selenium: BRL	Zinc: BRL			
Inorganic Constituents: <input type="checkbox"/> % by Wt <input type="checkbox"/> % by Vol						Organic Constituents: X ppm <input type="checkbox"/> ppb <input type="checkbox"/> % by Wt <input type="checkbox"/> % by Vol
Chlorine: ≤ 1 ppm	: _____ %	Organics: < 100 ppm	<input type="checkbox"/> TCLP	X Totals	<input type="checkbox"/> Gen. Knowledge	
Cyanides: _____ Total _____ Amenable ≤ 250 ppm	Reactive	Benzene: $< .0003$ ppm	<input type="checkbox"/> TCLP	X Totals	<input type="checkbox"/> Gen. Knowledge	
Sulfides: _____ Total < 500 ppm	Reactive	Use attachment for additional chemical constituents.				
Average VOC content in ppm: <100 ppm (this box is required to be completed for all waste streams shipped to WCS)						

SECTION 5: Waste Characteristics		Flashpoint °F	pH	Turbidity	Viscosity
Liquid 100 %	Solid 0 %	# of Layers 1	Actual	<input type="checkbox"/> 0-2	X Transparent
Sludge _____ %	Debris 0 %	Color clear/brown	X >200	<input type="checkbox"/> >2.1-4	X Translucent
<input type="checkbox"/> % by Weight	<input type="checkbox"/> % by Volume	Odor none	<input type="checkbox"/> >140-200	X >4-10	Opaque
Specific Gravity ≤ 1	Density ≤ 1		<input type="checkbox"/> >100-139	<input type="checkbox"/> >10-12.4	<input type="checkbox"/> Other _____
Other Characteristics:			<input type="checkbox"/> <100	<input type="checkbox"/> >12.5-14	<input type="checkbox"/> N/A
X None Apply					

Yes	No	Yes	No	Yes	No
<input type="checkbox"/>	<input type="checkbox"/> Oxidizer	<input type="checkbox"/>	<input type="checkbox"/> Dioxin Listed (Storage Only)	<input type="checkbox"/>	<input type="checkbox"/> Liquid Organic Peroxide (not acceptable)
<input type="checkbox"/>	<input type="checkbox"/> Explosive (not acceptable)	<input type="checkbox"/>	<input type="checkbox"/> Infectious or Etiological (not acceptable)	<input type="checkbox"/>	<input type="checkbox"/> Fuming/Smoking Waste
<input type="checkbox"/>	<input type="checkbox"/> Pyrophoric (not acceptable)	<input type="checkbox"/>	<input type="checkbox"/> Putrescible (not acceptable)	<input type="checkbox"/>	<input type="checkbox"/> Pressurized Gasses (other than aerosols, not acceptable)
<input type="checkbox"/>	<input type="checkbox"/> Water Reactive	<input type="checkbox"/>	<input type="checkbox"/> Autopolymerizable	<input type="checkbox"/>	<input type="checkbox"/> Solid Organic Peroxide

SECTION 6: Shipping Information DOT Shipping Name: US DOT Exempt Non-Regulated Material

Hazard Class/Div.	ID# (UN/NA)	Packing Group (PG)	RQ
<input type="checkbox"/> Soft Top Rolloff	<input type="checkbox"/> B-25 <input type="checkbox"/> B-12	55 gal. Metal <input type="checkbox"/> Poly <input type="checkbox"/> Fiber	Quantity 4500 gallons
<input type="checkbox"/> Hard Top Rolloff	<input type="checkbox"/> Cu Yd Box or Super Sack	<input type="checkbox"/> 30 gal. Metal <input type="checkbox"/> Poly <input type="checkbox"/> Fiber	Frequency one time
<input type="checkbox"/> Gondola	<input type="checkbox"/> Shrink Wrapped Pallet	<input type="checkbox"/> 15 gal. Metal <input type="checkbox"/> Poly <input type="checkbox"/> Fiber	Overpacked Drums: Type _____ Size _____
<input type="checkbox"/> Intermodal	X Tanker	<input type="checkbox"/> 5 gal. Metal <input type="checkbox"/> Poly <input type="checkbox"/> Fiber	
<input type="checkbox"/> Other, please specify:			

SECTION 7: Certification

The information contained herein is based on X generator's knowledge and/or X analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exists and that all known suspected hazards have been disclosed. I certify that the sample(s) provided to WCS is representative of all materials described by this document, that the materials tested are representative of all materials described by this document, and that the methods of analysis used are the appropriate analytical methods as specified in the current editions of EPA (SW-846) or equivalent methods.


Signature

Neil T. Miller
Printed/Typed Name

09/02/2010
Date

APPENDIX D

Waste Profiles

**Cycle Chem, Inc.
Lab Pack Materials
and
Minor Liquid Waste Containers**



Cycle Chem, Inc.

217 South 1st St.
Elizabeth, NJ 07206
Phone: (908) 355-5800
Fax: (908) 355-0562

550 Industrial Dr.
Lewisberry, PA 17339
Phone: (717) 938-4700
Fax: (717) 938-3301

General Chemical Corporation

133-138 Leland St., Framingham, MA 01701
Phone: (508) 872-5000 Fax: (508) 875-5271

Material Profile Sheet

Gencode/Gen #: Stream:(if applicable)

Process/Product Code:

A. GENERATOR INFORMATION

EPA ID # NY7890108973

GENERATOR NAME USACE - NFSS FUSRAP Site
MAILING ADDRESS 1776 Niagara Street, Buffalo, NY 14207
GENERATOR CONTACT John Busse
GENERATOR PHONE # 716-879-4375
GENERATOR FAX
SITE ADDRESS USACE - NFS FUSRAP Site, 1397 Pletcher Road, Lewiston, NY 14092

BILLING COMPANY I.C.E. Service Group, Inc.

BILLING ADDRESS 192 Ohio River Blvd, Suite 100, Ambridge, PA 15003

BILLING CONTACT Mark DelFratte
BILLING PHONE# 724-266-7580

NAME OF WASTE: Lab Packs- Varies

PROCESS GENERATING WASTE: Lab Packing of unused chemicals

B. PHYSICAL CHARACTERISTICS OF WASTE (AT 70-F)

Color / Odor / Lab Packs - Varies
Physical Description Lab Packs - Varies

Liquid/Solid/Sludge

% Liquid
% Suspended Solids
% Sludge
% Solid
Dumpable? Yes No
Pumpable? Yes No
Pourable? Yes No

Wastewater: Wastewater Non-wastewater
Specific Gravity: Lab Packs - Varies

Physical State: Single Phase Solid Gas/Aerosol
 Bi-Layered Liquid Lab Pack
 Multi-Layered Semi-Solid
 Powder Sludge

Flash Point: Flashpoint <74 F Flashpoint 140-200 F No Flashpoint
 Flashpoint 74-139 F Flashpoint >200 F Exact Flashpoint

Ignitable Solid? Yes No

pH: <2.0 2.01-5.0 5.01-9.0 9.01-12.49 >12.5 Exact pH

D. REGULATORY INFORMATION

Is it USEPA Haz waste? Yes No

USEPA Haz Codes: Lab Packs - Varies

EPA Sub Categories:

Is it STATE waste? Yes No

STATE Haz Codes:

DOT Hazardous Material? Yes No

Proper Shipping Name: Lab Packs - Varies

Hazard Class: UN/NA #: P. G.

RQ: ERG#:

E. SHIPPING INFORMATION

Shipment Method

Bulk Liquid Dump Trailer Drum (Size).
 Bulk Solid - Dump Pallet(s)
 Bulk Solid - Roll Off Cubic Yard Box(s) Other (Size): Lab Packs

Anticipated Volume: Per

Quantity: Price: / Unit:

F. SPECIAL HANDLING CONSIDERATIONS

Radioactive PA RW SQG No Land Filling
 Etiologic/Medical Waste DRMS/DRMO Waste Incinerate Only
 Fuming CERCLA Waste Recycle Only
 Phenolics Asbestos Other: (fill in below)

Lab Packs

Indicate if waste contains any of the following:

Non-Reg or Less-than or Actual

PCBs	<input checked="" type="checkbox"/>	<input type="checkbox"/> 50 PPM
Cyanides	<input checked="" type="checkbox"/>	<input type="checkbox"/> 250 PPM
Phenolics	<input checked="" type="checkbox"/>	<input type="checkbox"/> 50 PPM
Sulfides	<input checked="" type="checkbox"/>	<input type="checkbox"/> 500 PPM
Vocs	<input type="checkbox"/>	<input type="checkbox"/> 500 PPM
Chlorides	<input type="checkbox"/>	<input checked="" type="checkbox"/> 1000 PPM
		Varies

C. CHEMICAL COMPOSITION

ATTACHMENTS: MSDS attached Supplemental Analysis Additional Information LDR Attachment

Chemical Composition Percent Minimum Maximum

Lab Packs - Varies

G. TRANSPORTER ARRANGEMENTS

CCI Provides Transportation Other:
 Customer Delivers to CCI
 Customer Delivers to End Facility via CCI

OP-TECH

H. OTHER HAZARDOUS CHARACTERISTICS

<input type="checkbox"/> RCRA REACTIVE	<input type="checkbox"/> ETIOLOGICAL	<input type="checkbox"/> EXPLOSIVE/SHOCK SENSITIVE
<input type="checkbox"/> WATER REACTIVE	<input type="checkbox"/> TSCA REG	<input checked="" type="checkbox"/> NONE OF THE ABOVE
<input type="checkbox"/> RADIOACTIVE	<input type="checkbox"/> OXIDIZING MATL	<input type="checkbox"/> PYROPHORIC
<input type="checkbox"/> SUBJECT TO SUBPART FF BENZENE REG		

1. Is this waste characteristically hazardous for metals or organics (EPA Waste Codes D004 through D043)? Yes No
If YES, please list the constituents and concentrations in section C.

2. Does this waste contain underlying hazardous constituents as defined in 40 CFR 268 Part 2, Section I at concentrations exceeding the UTS treatment standards? Yes No
If YES, please list the constituents and concentrations in section C.

GENERATOR CERTIFICATION: I hereby certify that all information submitted in this and all other attached documents is complete, contains true and accurate descriptions and is representative of the waste material, and that all relevant information regarding known or suspected hazards in the possession of the generator has been disclosed. If CCI/GCC discovers, after having taken the delivery of the waste, that any waste does not conform to the identification or descriptions contained in this NPS then CCI/GCC shall provide notice to Generator and coordinate the return, if applicable, of the non conforming waste to the point of origin as set forth in the manifest or to such other locations designated in writing by the Generator. Generator agrees to reimburse CCI/GCC for all handling, packaging, cleanup and transportation costs or charges, damage to equipment and costs associated with lost time incurred by CCI/GCC during the receipt, handling, temporary storage and return of such non conforming waste to its point of origin or to such other location designated by the Generator. I hereby authorize CCI/GCC to amend and/or correct any information on the NPS with the full understanding that any amendment or correction is performed, I will be contacted as such to issue any approval.

Authorized Signature

Title: CITY OF ENVIRONMENTAL HEALTH

Date: 15 Sep 10

CCI/GCC APPROVAL

Tech Initials _____ Date _____

Management Initials _____ Date _____

RW/ Form Code _____



Clean Venture/Cycle Chem

Labpack Packing List

Generator: USACE - NFSS FUSRAP Site
1397 Pletcher Road
Lewiston, NY 14092

Bill To: OP-TECH
Contact: CCI Rep:

EPA ID # NY7890108973

Manifest #:

Drum #: 001 Container Size/Type 20 gal.

Page 1 of 1 Date: 8/17/2010

D.O.T. Proper Shipping Name:
Waste (corrosive Liquid), acidic, inorganic, nos

Hazard Class: 8 UN/NA UN3264

Packing Group: II RQ NO

State Codes (circle all that apply)- S L C T I C H E R

EPA Codes: D002, D008

Special Disposal Requirements: None

No Landfill Incinerate Only

Other:

pproval Code	Row	Price	Minimum	DOT Haz	State Haz
--------------	-----	-------	---------	---------	-----------

Quantity	Description of Materials-Hazardous Substance (No Trade Names)	Container Type	Physical State	EPA Codes
6	Nitric Acid (nearly empty)	plastic 1 qt	Liquid	D002
1	Nitric Acid "	glass 1 qt	Liquid	D002
3	Nitric Acid "	plastic 1 pt	Liquid	D002
2	Nitric Acid "	plastic 1 gal	Liquid	D002
23	Sulfuric Acid (nearly empty)	glass 1 pt	Liquid	D002
2	Sulfuric Acid "	plastic 1 pt	Liquid	D002
2	Hydrochloric Acid (nearly empty)	plastic 1 pt	Liquid	D002
app 100	Hydrochloric Acid "	glass vials	Liquid	D002
app 100	Sodium Bisulfite	plastic vials	Liquid	D002
1	Sealed Lead Acid Battery (app. 1 lb.)	plastic	Liquid	D002, D008

Total Weight (1 gal. = 8 lbs.)

Packaged By: Marcia DeVosette
Print Name

Marcia DeVosette
Signature



Clean Venture/Cycle Chem

Labpack Packing List

Generator: USACE - NFSS FUSRAP Site
1397 Pletcher Road
Lewiston, NY 14092

Bill To: OP-TECH
Contact: CCI Rep:

EPA ID # NY7890108973

Manifest #:
Drum #: 007 Container Size/Type 5 gal
Page 1 of 1 Date: 8/17/2010

D.O.T. Proper Shipping Name:
Hazardous Waste, Solids

Hazard Class: 9 UN/NA NA 3017
Packing Group: III RQ NO
State Codes (circle all that apply) - S L C T I C H E R
EPA Codes: D008

Special Disposal Requirements: None
No Landfill Incinerate Only
Other:

pproval Code _____ Row _____ Price _____ Minimum _____ DOT Haz _____ State Haz _____

Quantity	Description of Materials-Hazardous Substance (No Trade Names)	Container Type	Physical State	EPA Codes
8	Detector tubes containing silicon gel powder w/ trace amounts of Lead Oxide	glass vials	solid	D008
16	Detector tubes containing silicon gel powder	glass vials	solid	N/A
app. 60	Detector tubes containing silicon gel powder w/ Sodium Azide	glass vials	solid	N/A
2	Hardness test kit powder p. now w/ Sodium carbonate, Sodium Sulfite, Ammonium Chloride, Edta	plastic vials	solid	N/A
2	Sodium carbonate granules	plastic lpt	solid	N/A
1	silica gel	plast. bag	solid	N/A

Total Weight (1 gal. = 8 lbs.)

Packaged By: Mark DeFrante
Print Name

Mark C. DeFrante
Signature



Clean Venture/Cycle Chem

Labpack Packing List

Generator: USACE – NFSS FUSRAP Site
1397 Pletcher Road
Lewiston, NY 14092

Bill To: OP-TECH
Contact: CCI Rep:

EPA ID # NY7890108973

Manifest #:
Drum #: 003 Container Size/Type 5 gal
Page 1 of 1 Date: 8/17/2010

pproval Code Row Price Minimum DOT Haz State Haz

D.O.T. Proper Shipping Name: Waste Flammable Liquid nos

Hazard Class: 3 UN/NA UN 1293

Packing Group: II RQ NO

State Codes (circle all that apply)- S L C T I C H E R

EPA Codes: D001

Special Disposal Requirements: None

No Landfill Incinerate Only

Other: _____

Total Weight (1 gal. = 8 lbs.)

Packaged By: Mary Biffle
Print Name

Mark C. Ruth

Signature



Clean Venture/Cycle Chem

Labpack Packing List

Generator: USACE - NFSS FUSRAP Site
1397 Pletcher Road
Lewiston, NY 14092

Bill To: OP-TECH
Contact: _____ CCI Rep: _____

EPA ID # NY7890108973

Manifest #:
Drum #: 004 Container Size/Type 5 gal pail
Page 1 of 1 Date: 8/17/2010 Lab pack

D.O.T. Proper Shipping Name:
Waste Aerosols, Flammable

Hazard Class: 2.1 UN/NA U N I T A S C
Packing Group: RQ NO
State Codes (circle all that apply) - S L C T I C H E R
EPA Codes: D001

Special Disposal Requirements: None
No Landfill Incinerate Only
Other: _____

Approval Code	Row	Price	Minimum	DOT Haz	State Haz
---------------	-----	-------	---------	---------	-----------

Quantity	Description of Materials-Hazardous Substance (No Trade Names)	Container Type	Physical State	EPA Codes
3	Aerosol paint cans w/ Toluene, Xylenes, Acetone, and petroleum distillate	metal 17oz	Liquid	D001
2	Aerosol paint cans w/ Toluene, Xylenes, Acetone, and petroleum distillate	metal 12oz	Liquid	D001
2	Aerosol detector can w/ petroleum distillate, methylene isopropyl and dimethyl Sulfoxide	metal 6oz	Liquid	D001

Total Weight (1 gal. = 8 lbs.)

Packaged By: Mark Detarce
Print Name

Mark Detarce
Signature



Clean Venture/Cycle Chem

Labpack Packing List

Generator: USACE – NFSS FUSRAP Site
1397 Pletcher Road
Lewiston, NY 14092

Bill To: OP-TECH
Contact: CCI Rep:

EPA ID # NY7890108973

Manifest #: _____
Drum #: 005 Container Size/Type 5 gal
Page 1 of 1 Date: 8/17/2010 part 1b

D.O.T. Proper Shipping Name:
Sodium Hydroxide, Solid, No. 3

Hazard Class: 3 UN/NA UN1823
Packing Group: II RQ NO
State Codes (circle all that apply)- S L C T I C H E R
EPA Codes: N/A

Special Disposal Requirements: None
 Incinerate Only
 Other: _____

pproval Code Row Price Minimum DOT Haz State Haz

Total Weight (1 gal. = 8 lbs.)

Packaged By: Mark Scherffle
Print Name

Mike DeAraujo
Signature



Cycle Chem, Inc.

217 South 1st St.
Elizabeth, NJ 07206
Phone: (908) 355-5800
Fax: (908) 355-0562

550 Industrial Dr.
Lewisberry, PA 17339
Phone: (717) 938-4700
Fax: (717) 938-3301

General Chemical Corporation

133-138 Leland St., Framingham, MA 01701
Phone: (508) 872-5000 Fax: (508) 875-5271

Material Profile Sheet

Gencode/Gen #: Stream:(if applicable)

Process/Product Code:

A. GENERATOR INFORMATION		EPA ID # <u>NY7890108973</u>	BILLING COMPANY <u>I.C.E. Service Group, Inc.</u>
GENERATOR NAME	USACE - NFSS FUSRAP Site		
MAILING ADDRESS	1776 Niagara Street, Buffalo, NY 14207		
GENERATOR CONTACT	John Busse		
GENERATOR PHONE #	716-879-4375		
GENERATOR FAX			
SITE ADDRESS	USACE - NFS FUSRAP Site, 1397 Pletcher Road, Lewiston, NMY 14092		
		BILLING ADDRESS <u>192 Ohio River Blvd, Suite 100, Ambridge, PA 15003</u>	BILLING CONTACT <u>Mark DelFratte</u>
		BILLING PHONE# <u>724-266-7580</u>	FAX <u>724-266-7583</u>
		NAME OF WASTE <u>Used hydraulic Oil</u>	
		PROCESS GENERATING WASTE: <u>draining of hydraulic oil and hydraulic oil filters</u>	

B. PHYSICAL CHARACTERISTICS OF WASTE (AT 70- F)

Color / Odor /	black/brown					
Physical Description	Liquid w/ possible filters					
Wastewater:	<input type="checkbox"/> Wastewater	<input checked="" type="checkbox"/> Non-wastewater				
Specific Gravity:	.9					
Physical State:	<input checked="" type="checkbox"/> Single Phase	<input type="checkbox"/> Solid	<input type="checkbox"/> Gas/Aerosol			
	<input type="checkbox"/> Bi-Layered	<input checked="" type="checkbox"/> Liquid	<input type="checkbox"/> Lab Pack			
	<input type="checkbox"/> Multi-Layered	<input type="checkbox"/> Semi-Solid				
	<input type="checkbox"/> Powder	<input type="checkbox"/> Sludge				
Flash Point:	<input type="checkbox"/> Flashpoint <74 F	<input type="checkbox"/> Flashpoint 140-200 F	<input type="checkbox"/> No Flashpoint			
	<input type="checkbox"/> Flashpoint 74-139 F	<input checked="" type="checkbox"/> Flashpoint >200 F	<input type="checkbox"/> Exact Flashpoint			
	<input type="checkbox"/> Open cup	<input type="checkbox"/> Closed cup				
Ignitable Solid?	<input type="checkbox"/> Yes	<input type="checkbox"/> No				
pH:	<input type="checkbox"/> <2.0	<input type="checkbox"/> 2.01-5.0	<input checked="" type="checkbox"/> 5.01-9.0	<input type="checkbox"/> 9.01-12.49	<input type="checkbox"/> >12.5	<input type="checkbox"/> Exact pH

Liquid/Solid/Sludge	100	
% Liquid	100	
% Suspended Solids		
% Sludge		
% Solid		
Dumpable?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Pumpable?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Pourable?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No

D. REGULATORY INFORMATION

Is it USEPA Haz waste?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
USEPA Haz Codes:	none	
EPA Sub Categories:		
Is it STATE waste?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
STATE Haz Codes:		
DOT Hazardous Material?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Proper Shipping Name:	Non-Regulated Material	
Hazard Class:	UN/NA #:	P. G.:
RQ:	ERG#:	

E. SHIPPING INFORMATION

Shipment Method	55 gallon	
<input type="checkbox"/> Bulk Liquid	<input type="checkbox"/> Dump Trailer	<input checked="" type="checkbox"/> Drum (Size):
<input type="checkbox"/> Bulk Solid - Dump	<input type="checkbox"/> Pallet(s)	
<input type="checkbox"/> Bulk Solid - Roll Off	<input type="checkbox"/> Cubic Yard Box(s)	<input type="checkbox"/> Other (Size):
Anticipated Volume: 4 drums Per one time		
Quantity: _____ Price: _____ / Unit: _____		

F. SPECIAL HANDLING CONSIDERATIONS

<input type="checkbox"/> Radioactive	<input type="checkbox"/> PA RW SQG	<input type="checkbox"/> No Land Filling
<input type="checkbox"/> Etiologic/Medical Waste	<input type="checkbox"/> DRMS/DRMO Waste	<input type="checkbox"/> Incinerate Only
<input type="checkbox"/> Fuming	<input type="checkbox"/> CERCLA Waste	<input type="checkbox"/> Recycle Only
<input type="checkbox"/> Phenolics	<input type="checkbox"/> Asbestos	<input type="checkbox"/> Other: (fill in below)

G. TRANSPORTER ARRANGEMENTS

CCI Provides Transportation Other:
 Customer Delivers to CCI
 Customer Delivers to End Facility via CCI

OP-TECH

H. OTHER HAZARDOUS CHARACTERISTICS

RCRA REACTIVE ETIOLOGICAL EXPLOSIVE/SHOCK SENSITIVE

WATER REACTIVE TSCA REG NONE OF THE ABOVE

RADIOACTIVE OXIDIZING MATL

SUBJECT TO SUBPART FF BENZENE REG PYROPHORIC

PCBs 50 PPM

Cyanides 250 PPM

Phenolics 500 PPM

Sulfides 500 PPM

VOCs 500 PPM

Chlorides 1000 PPM

Non-Reg or Less-than or Actual

1. Is this waste characteristically hazardous for metals or organics (EPA Waste Codes D004 through D043)? Yes No
 If YES, please list the constituents and concentrations in section C.

2. Does this waste contain underlying hazardous constituents as defined in 40 CFR 268 Part 2, Section I at concentrations exceeding the UTS treatment standards? Yes No
 If YES, please list the constituents and concentrations in section C.

GENERATOR CERTIFICATION: I hereby certify that all information submitted in this and all other attached documents is complete, contains true and accurate descriptions and is representative of the waste material, and that all relevant information regarding known or suspected hazards in the possession of the generator has been disclosed. If CCI/GCC discovers, after having taken the delivery of the waste, that any waste does not conform to the identification or descriptions contained in this MPS then CCI/GCC shall provide notice to Generator and coordinate the return, if applicable, of the non conforming waste to the point of origin as set forth in the manifest or to such other locations designated in writing by the Generator. Generator agrees to reimburse CCI/GCC for all handling, packaging, cleanup and transportation costs or charges, damage to equipment and costs associated with lost time incurred by CCI/GCC during the recent, handling, temporary storage and return of such non conforming waste to its point of origin or to such other location designated by the Generator. I hereby authorize CCI/GCC to amend and/or correct any information on the MPS with the full understanding that if any amendment or correction is performed, I will be contacted as such to issue any approval.

Authorized Signature

Title CHIEF, ENVIRONMENTAL HEALTH Date 15 Sept 10

CCI/GCC APPROVAL		Tech Initials _____ Date _____	Management Initials _____ Date _____	RW/Form Code _____
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Cycle Chem, Inc.

217 South 1st St.
Elizabeth, NJ 07206
Phone: (908) 355-5800
Fax: (908) 355-0562

550 Industrial Dr.
Lewisberry, PA 17339
Phone: (717) 938-4700
Fax: (717) 938-3301

General Chemical Corporation

133-138 Leland St., Framingham, MA 01701
Phone: (508) 872-5000 Fax: (508) 875-5271

Material Profile Sheet

Gencode/Gen #: Stream(if applicable)

Process/Product Code:

A. GENERATOR INFORMATION

EPA ID # NY7890108973

GENERATOR NAME USACE - NFSR FUSRAP Site

MAILING ADDRESS 1776 Niagara Street, Buffalo, NY 14207

GENERATOR CONTACT John Busse

GENERATOR PHONE # 716-879-4375

GENERATOR FAX

SITE ADDRESS USACE - NFSR FUSRAP Site, 1397 Pletcher Road, Lewiston, NMY 14092

BILLING COMPANY I.C.E. Service Group, Inc.

BILLING ADDRESS 192 Ohio River Blvd, Suite 100, Ambridge, PA 15003

BILLING CONTACT Mark DelFratte

BILLING PHONE# 724-266-7580 FAX 724-266-7583

NAME OF WASTE Mercury Spill Clean Up Materials

PROCESS GENERATING WASTE Mercury Spill Clean Up

B. PHYSICAL CHARACTERISTICS OF WASTE (AT 70-F)

Color / Odor / Lab Packs - Varies

Physical Description Lab Packs - Varies

Wastewater: Wastewater Non-wastewater

Specific Gravity: Lab Packs - Varies

Physical State: Single Phase Solid Gas/Aerosol
 Bi-Layered Liquid Lab Pack
 Multi-Layered Semi-Solid
 Powder Sludge

Flash Point: Flashpoint <74 F Flashpoint 140-200 F No Flashpoint
 Flashpoint 74-139 F Flashpoint >200 F Exact Flashpoint

Open cup Closed cup

Ignitable Solid? Yes No

pH: <2.0 2.01-5.0 5.01-9.0 9.01-12.49 >12.5 Exact pH

Liquid/Solid/Sludge

% Liquid

% Suspended Solids

% Sludge

% Solid 100

Dumpable? Yes No

Pumpable? Yes No

Pourable? Yes No

C. CHEMICAL COMPOSITION

ATTACHMENTS: MSDS attached Supplemental Analysis Additional Information LDR Attachment

Chemical Composition	Percent	Minimum	Maximum
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PPF, Absorbant nads, wines, paper, plastic	99	100	
--	----	-----	--

Mercury	0	1	
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G. TRANSPORTER ARRANGEMENTS

CCI Provides Transportation Other:
 Customer Delivers to CCI
 Customer Delivers to End Facility via CCI

OP-TECH

H. OTHER HAZARDOUS CHARACTERISTICS

<input type="checkbox"/> RCRA REACTIVE	<input type="checkbox"/> ETIOLOGICAL	<input type="checkbox"/> EXPLOSIVE/SHOCK SENSITIVE
<input type="checkbox"/> WATER REACTIVE	<input type="checkbox"/> TSCA REG	<input checked="" type="checkbox"/> NONE OF THE ABOVE
<input type="checkbox"/> RADIOACTIVE	<input type="checkbox"/> OXIDIZING MATL	
<input type="checkbox"/> SUBJECT TO SUBPART FF BENZENE REG	<input type="checkbox"/> PYROPHORIC	

1. Is this waste characteristically hazardous for metals or organics (EPA Waste Codes D004 through D043)? Yes No
If YES, please list the constituents and concentrations in section C.

2. Does this waste contain underlying hazardous constituents as defined in 40 CFR 268 Part 2, Section I at concentrations exceeding the UTS treatment standards? Yes No
If YES, please list the constituents and concentrations in section C.

GENERATOR CERTIFICATION: I hereby certify that all information submitted in this and all other attached documents is complete, contains true and accurate descriptions and is representative of the waste material, and that all relevant information regarding known or suspected hazards in the possession of the generator has been disclosed. If CCI/GCC discloses, after having taken the delivery of the waste, that any waste does not conform to the identification or descriptions contained in this NIPS then CCI/GCC shall provide notice to Generator and coordinate the return, if applicable, of the non conforming waste to the point of origin as set forth in the manifest or to such other locations designated in writing by the Generator. Generator agrees to reimburse CCI/GCC for all handling, packaging, cleanup and transportation costs or charges, damage to equipment and costs associated with lost time incurred by CCI/GCC during the receipt, handling, temporary storage and return of such non conforming waste to its point of origin or to such other location designated by the Generator. I hereby authorize CCI/GCC to amend and/or correct any information on the NIPS with the full understanding that any amendment or correction is performed, I will be contacted as such to issue any approval.

Authorized Signature

Title

CHIEF, ENVIRONMENTAL HEALTH

Date 15 Sept 70

CCI/GCC APPROVAL

Tech Initials

Date

Management Initials

Date

RW/ Form Code

APPENDIX D

Waste Profiles

**USEI Solid Waste
16 LSAs**

USEcology

US Ecology Nevada (Beatty)

Fax (775) 553-2125

US Ecology Texas (Robstown)

Fax (361) 387-0794

Profile #: _____

US Ecology Idaho (Grand View)

Fax (208) 834-2919

A. CUSTOMER INFORMATION

*Waste as shipped will be : Industrial NON - Industrial **(Texas customers only)*

Generator:

USACE - NFSS FUSRAP Site

Check if Billing is Same

Facility Address :
(No PO Box)

1397 Pletcher Road

Billing Company: ECC

Mailing Address

1776 Niagara Street, Buffalo NY 14207

Billing Address: 1125 Route 22 West

City/State/Zip:

Lewistown, NY 14092

City/State/Zip: Bridgewater, NJ 08807

Technical Contact:

Neil Miller

Billing Contact: Mirna Zahlan

Phone:

716.879.4274

Fax: 716.879.4355

Phone No.: 908-595-1777

Fax No.: 908-595-1776

NAICS#

CESQG

SQG

LQG

EPA ID#

NY890108973

State ID#

D0036

B. SHIPPING INFORMATION

1. US DOT Shipping Name

USDOT Exempt Non-Regulated Material

2. Hazard Class

3. UN/NA #

4. Packaging Group

5. RQ

6. Container Type: Bulk Totes Pallet

Size 3.6 cubic yards

7. Frequency:

Year QTR

Month

Boxes Bags Drums Other

Quantity 16

1 Time Other

C. GENERAL MATERIAL & REGULATORY INFORMATION

1. Common name for this waste Non-Hazardous Debris/PPE

2. Process generating the material Investigation Derived and Legacy Debris and PPE

3. Describe physical appearance of waste Steel, wood, concrete, plastic and PPE

4. Describe odor of waste: None Slight Strong Describe

5. Knowledge is from: Lab Analysis MSDS Process/Generator knowledge Yes No Is the waste restricted under EPA Land Disposal

Yes No Is the material <500 PPMW VOC as generated? Restrictions (40 CFR 268) If yes, please complete LDR form

Yes No Is the waste, or generating facility, subject to regulation under 40 CFR Part 61 Subpart FF (Benzene Rule) of NESHAPS?

If yes, complete form "attachment 4". (Note: Waste generated from chemical manufacturing, coke-by-product recovery plants,

petroleum refineries or treaters of such waste are subject to these requirements.)

Yes No State waste codes

--	--	--

Wastewater Non-wastewater Debris

Yes No Alternative standards for Soil?

Yes No CERCLA Regulated (Superfund) Waste

Yes No

Contains UHCs/Constituents of Concern: List in section D

Yes No EPA Haz. Waste (list codes)

Yes No

Has the waste been treated after the initial point of generation?

Yes No

Subpart XX (40 CFR 63.1080) Controls Required?

Yes No

Exempt Waste: If yes, list ref. 40 CFR

Source Code G

Form Code W

Mgt. Method H

D. MATERIAL COMPOSITION (Physical/Chemical)

(Range Total > or = 100%) Values are TCLP TOTALS

(include additional sheets as necessary) typical value unit range

Metal			0 - 100%
Wood			0 - 100%
PPE			0 - 100%
Plastic/PVC			0 - 100%
Concrete			0 - 100%
Bentonite			0 - 100%
Soil/Soil Like			0 - 100%

E. Does the waste exhibit or contain the following:

Yes No Oxidizer Yes No React. Sulfides ppm

Yes No Explosive Yes No React. Cyanides ppm

Yes No Organic Peroxide Yes No Water/Air (Pyrophoric) React.

Yes No Shock Sensitive Yes No Thermally Unstable

Yes No Tires Yes No TSCA Regulated PCB Waste

Yes No Pyrophoric Yes No Regulated Medical/Infectious Waste

Yes No Radioactive** Yes No Compressed Gasses

Yes No Exempt RAD** Yes No Halogenated Organic Compounds? (per 40 CFR 268, Appendix III)

**Additional Radiological info is provided in USEt's WAC Addendum

F. PHYSICAL CHARACTERISTICS

pH Range to

1. Flash Point: °F (if <140°F) 2. Typical pH: pH Range: ≤ 2

Yes No Possibility of incidental liquids from transportation? Yes No >2, <12.50

Yes No Does waste pass the EPA specified paint filter test? Yes No ≥ 12.5

(Pass is a solid)

G. GENERATOR'S CERTIFICATION:

Yes No I certify this material may be disposed of without further treatment.

Certification Statement: I certify under penalty of law that I am familiar with this waste stream through analysis and/or process knowledge, and

that all information provided is true, accurate, representative and complete, and that all known or suspected hazards have been disclosed.

Furthermore, I certify that this form was completed in accordance with the instructions provided.

Signature:

Print Name: NEIL MILLER

Title: Health Physicist

Date: 09/22/2010

Facility use only

First review

Second review

Final review:

Date approved:

Date Denied:

WASTE ACCEPTANCE CRITERIA ADDENDUM

Generator USACE - NFSS FUSRAP Site Date 9/15/2010
 Contact Neil Miller Phone 716.879.4375 ext 4274
 Common Name of Material Non-Hazardous PPE/Debris
 Material Description Investigation Derived and Legacy Steel, Wood, Concrete, Plastic and PPE

Waste Classification

- Which of the USEI WAC Tables apply to this material?

- Table C.1 - Unimportant Quantities of Source Material Uniformly Dispersed in Soil or other Media
 Table C.2 - NORM other than Uranium and Thorium Uniformly Dispersed in Soil or Other Media
 Table C.3 - Non-Production Particle Accelerator Produced Radioactive Material
 Table C.4a - NRC Exempted Products, Devices, or Items
 Table C.4b - Materials Specifically Exempted by the NRC or NRC Agreement State

- Does the Material Require Placarding?

No If yes, What type? _____

- List the major radioisotopes in the waste stream and their average specific or total activity.

(For Natural Decay Series, list only the major progenitors)

Radioisotope	U-Nat	Th-232					
Activity (Curies)	5.87E-05	1.42E-05					
SA (pCi/g)	8.09	1.95					

Comments

Concentration listed is the highest of the analytical results for the materials which are able to be physically sampled.
 Total activity based upon an assumed 1000 pounds per box, with 16 boxes total.

Table C.1 - Unimportant Quantities of Source Material Uniformly Dispersed in Soil or other Media

Does the material contain:

- Natural, Refined, or Depleted Uranium - Use the appropriate limit from table C.1a
 Thorium - Use the appropriate limit from table C.1b
 Both Uranium and Thorium - Use the appropriate equation below (SA = Specific Activity in pCi/g):

$\frac{S.A_{Uranium}}{167 \text{ pCi/g}} + \frac{S.A_{Thorium}}{110 \text{ pCi/g}} \leq 1$	$\frac{S.A_{Uranium}}{333 \text{ pCi/g}} + \frac{S.A_{Thorium}}{110 \text{ pCi/g}} \leq 1$	$\frac{S.A_{Uranium}}{169 \text{ pCi/g}} + \frac{S.A_{Thorium}}{110 \text{ pCi/g}} \leq 1$
--	--	--

Note: • Activity of all progenitors + progeny must be equal to or less than 3000 pCi/g
 • Th-232 will routinely be considered to be in equilibrium with all progeny.

Calculations

$$\frac{8.09}{167} + \frac{1.95}{110} = 0.07 < 1$$

Table C.2 - NORM other than Uranium and Thorium Uniformly Dispersed in Soil or Other Media

- Y No Does the material contain Ra-226 or Ra-228?
- Y No Does the material contain Lead-210?
- Y No Does the material contain any radioisotopes other than NORM?

Table C.3 - Non-Production Particle Accelerator Produced Radioactive Material

What is the purpose of the accelerator that produced the material?

Was the accelerator ever used to produce isotopes for industrial use, medical use, or academic research?

- Note:
- The generator must provide an estimated inventory of activity, by isotope, for each container.
 - Dose rate may not exceed 10 mrem/hr at any point on the package surface.
 - Containers must be at least 90% full.
 - Waste from "production" accelerators may be accepted under the terms of Table 4b.

Table C.4a - NRC Exempted Products, Devices, or Items

The material is exempt under 10 CFR _____

- Note:
- Material must be transported in accordance with DOT Rules and Regulations.
 - The generator must provide an estimated inventory of activity, by isotope, for each container.
 - Individual packages may bear White I or Yellow II Labels as long as the maximum surface dose rate on any package does not exceed 10 mrem/hr.

Table C.4b - Materials Specifically Exempted by the NRC or NRC Agreement State

- Y No Is the material approved for disposal in accordance with 20.2008(b) or equivalent Agreement State regulation? If yes, provide a copy of the exemption.
- Y No Has the waste been approved by the NRC or and Agreement State for alternate disposal in accordance with 10 CFR 20.2002 or Equivalent? If yes, provide a copy of the approval request, exemption, and/or FONSI.
- Y No Was the material approved for alternate disposal via a decommissioning plan or license amendment? If yes, provide a copy of the license or plan.
- Y No Is the material similar to Table C.4b but is not regulated or licensed by the NRC or Agreement State. If yes, provide documentation that the radioactive material is unlicensed. This could be a release of property for unrestricted use by the NRC to another Federal Agency, i.e. the EPA, USACE, etc. or a release for unrestricted use by an agreement state, etc.

Certification Statement:

I certify that the contents of the package(s) being shipped to US Ecology Idaho (USEI) are exempt from regulation at the point of generation by the US Nuclear Regulatory Commission, in accordance with 10 CFR _____.
(List each section of the NRC Regulations that contains and exemption for each type of device or item in the shipment, or are not licensed by the NRC or an agreement state.)

Stephen M. Andrews, Health Physicist US Army Corps of Engineers
Name/Title (Please Print)
SM Andrews
Signature

21-SEP-2010
Date

APPENDIX D

Waste Profiles

**USEI Solid Waste
23 55-gallon Drums
CG-109 Material**

USEcology

<input type="checkbox"/> US Ecology Nevada (Beatty)	<input type="checkbox"/> US Ecology Texas (Robstown)	Profile #: _____
Fax (775) 553-2125	Fax (361) 387-0794	
<input checked="" type="checkbox"/> US Ecology Idaho (Grand View)		
Fax (208) 834-2919		

A. CUSTOMER INFORMATION		*Waste as shipped will be :	<input type="checkbox"/> Industrial	<input type="checkbox"/> NON - Industrial	* <i>(Texas customers only)</i>
Generator:	USACE - NFSS FUSRAP Site				<input type="checkbox"/> Check if Billing is Same
Facility Address :	1397 Pletcher Road				Billing Company: <i>ECC</i>
(No PO Box)					Billing Address: <i>1125 Route 22 West</i>
Mailing Address	1776 Niagara Street, Buffalo NY 14207				City/State/Zip: <i>Bridgewater, NJ 08807</i>
City/State/Zip:	Lewiston, NY 14092				Billing Contact: <i>Mirna Zahlan</i>
Technical Contact:	Neil Miller				Phone No.: <i>908-595-1777</i>
Phone:	716.879.4274	Fax:	716.879.4355		Fax No.: <i>908-595-1776</i>
NAICS#	<input type="checkbox"/> CESQG		<input type="checkbox"/> SQG	<input type="checkbox"/> LQG	EPA ID# <i>NY890108973</i>
					State ID# <i>D0036</i>

B. SHIPPING INFORMATION					
1. US DOT Shipping Name	<i>USDOT Exempt Non-Regulated Material</i>				2. Hazard Class _____
3. UN/NA #	4. Packaging Group		5. RQ _____		
6. Container Type:	<input checked="" type="checkbox"/> Bulk	<input type="checkbox"/> Totes	<input type="checkbox"/> Pallet	Size <i>6.3 cubic yards</i>	7. Frequency: <input type="checkbox"/> Year <input type="checkbox"/> QTR <input type="checkbox"/> Month
	<input type="checkbox"/> Boxes	<input type="checkbox"/> Bags	<input checked="" type="checkbox"/> Drums	<input type="checkbox"/> Other	Quantity <i>23</i>
				<input checked="" type="checkbox"/> 1 Time	<input type="checkbox"/> Other

C. GENERAL MATERIAL & REGULATORY INFORMATION					
1. Common name for this waste	<i>Non-Hazardous Debris/PPE</i>				
2. Process generating the material	<i>Investigation Derived and Legacy Debris and PPE</i>				
3. Describe physical appearance of waste	<i>Steel, wood, concrete, plastic and PPE</i>				
4. Describe odor of waste: <input checked="" type="checkbox"/> None	<input type="checkbox"/> Slight	<input type="checkbox"/> Strong	Describe _____		
5. Knowledge is from: <input checked="" type="checkbox"/> Lab Analysis	<input type="checkbox"/> MSDS	<input checked="" type="checkbox"/> Process/Generator knowledge	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Is the waste restricted under EPA Land Disposal Restrictions (40 CFR 268) If yes, please complete LDR form
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Is the material <500 PPMW VOC as generated?			
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Is the waste, or generating facility, subject to regulation under 40 CFR Part 61 Subpart FF (Benzene Rule) of NESHAPS? If yes, complete form "attachment 4". (Note: Waste generated from chemical manufacturing, coke-by-product recovery plants, petroleum refineries or treaters of such waste are subject to these requirements.)			
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	State waste codes <input type="checkbox"/> Wastewater <input type="checkbox"/> Non-wastewater <input checked="" type="checkbox"/> Debris <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Alternative standards for Soil ?			
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	CERCLA Regulated (Superfund) Waste <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Contains UHCs/Constituents of Concern: List in section D			
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	EPA Haz. Waste (list codes) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Has the waste been treated after the initial point of generation?			
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Subpart XX (40 CFR 63.1080) Controls Required?			
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Exempt Waste: If yes, list ref. 40 CFR Source Code G Form Code W Mgt. Method H			

D. MATERIAL COMPOSITION (Physical/Chemical)				E. Does the waste exhibit or contain the following:						
(Range Total > or = 100%) Values are <input type="checkbox"/> TCLP <input checked="" type="checkbox"/> TOTALS (include additional sheets as necessary)				<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Oxidizer	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	React. Sulfides	ppm
typical	value	unit	range	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Explosive	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	React. Cyanides	ppm
Metal			0 - 100%	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Organic Peroxide	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Water/Air (Pyrophoric) React.	
Wood			0 - 100%	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Shock Sensitive	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Thermally Unstable	
PPE			0 - 100%	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Tires	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	TSCA Regulated PCB Waste	
Plastic/PVC			0 - 100%	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Pyrophoric	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Regulated Medical/Infectious Waste	
Concrete			0 - 100%	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Radioactive**	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Compressed Gasses	
Bentonite			0 - 100%	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Exempt RAD**	**Additional Radiological info is provided in USEI's WAC Addendum			
Soil/Soil Like			0 - 100%	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Halogenated Organic Compounds? (per 40 CFR 268, Appendix III)				
Spongeblast			0 - 100%	F. PHYSICAL CHARACTERISTICS				pH Range	to	
Styrofoam			0 - 100%	1. Flash Point: <i>°F (if <140°F)</i>				2. Typical pH: <i>pH Range:</i>	<input type="checkbox"/> ≤ 2	
Absorbant			0 - 100%	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Possibility of incidental liquids from transportation?				<input checked="" type="checkbox"/> >2, <12.50		
Canvas Tarp			0 - 100%	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Does waste pass the EPA specified paint filter test? (Pass is a solid)				<input type="checkbox"/> ≥ 12.5		

G. GENERATOR'S CERTIFICATION: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No I certify this material may be disposed of without further treatment.					
Certification Statement: I certify under penalty of law that I am familiar with this waste stream through analysis and/or process knowledge, and that all information provided is true, accurate, representative and complete, and that all known or suspected hazards have been disclosed.					
Furthermore, I certify that this form was completed in accordance with the instructions provided.					
Print Name: <i>Neil Miller - USACE</i>					
Signature: <i>Neil Miller</i>			Title: <i>Health Physicist</i>		
Facility use only	Second review	Final review:	Date approved:	Date Denied:	v032010
First review					
Date approved:					

WASTE ACCEPTANCE CRITERIA ADDENDUM

Generator USACE - NFSS FUSRAP Site Date 10/7/2010
 Contact Neil Miller Phone 716.879.4274
 Common Name of Material Non-Hazardous PPE/Debris
 Material Description Investigation Derived and Legacy Steel, Wood, Concrete, Plastic and PPE

Waste Classification

- Which of the USEI WAC Tables apply to this material?

- Table C.1 - Unimportant Quantities of Source Material Uniformly Dispersed in Soil or other Media
 Table C.2 - NORM other than Uranium and Thorium Uniformly Dispersed in Soil or Other Media
 Table C.3 - Non-Production Particle Accelerator Produced Radioactive Material
 Table C.4a - NRC Exempted Products, Devices, or Items
 Table C.4b - Materials Specifically Exempted by the NRC or NRC Agreement State

- Does the Material Require Placarding?

Yes No If yes, What type? _____

- List the major radioisotopes in the waste stream and their average specific or total activity.

(For Natural Decay Series, list only the major progenitors)

Radioisotope	U-Nat	Th-232					
Activity (Curies)	6.64E-05	3.96E-06					
SA (pCi/g)	12.73	0.76					

Comments _____

Concentration listed is the analytical result of the composite group. Total activity based upon an assumed 500 pounds per drum, with 23 drums total.

Table C.1 - Unimportant Quantities of Source Material Uniformly Dispersed in Soil or other Media

Does the material contain:

- Natural, Refined, or Depleted Uranium - Use the appropriate limit from table C.1a
 Thorium - Use the appropriate limit from table C.1b
 Both Uranium and Thorium - Use the appropriate equation below (SA = Specific Activity in pCi/g):

Natural Uranium + Thorium _____

$$\frac{SA_{Uranium}}{167 \text{ pCi/g}} + \frac{SA_{Thorium}}{110 \text{ pCi/g}} \leq 1$$

Refined Uranium + Thorium _____

$$\frac{SA_{Uranium}}{333 \text{ pCi/g}} + \frac{SA_{Thorium}}{110 \text{ pCi/g}} \leq 1$$

Depleted Uranium + Thorium _____

$$\frac{SA_{Uranium}}{169 \text{ pCi/g}} + \frac{SA_{Thorium}}{110 \text{ pCi/g}} \leq 1$$

Note: • Activity of all progenitors + progeny must be equal to or less than 3000 pCi/g
 • Th-232 will routinely be considered to be in equilibrium with all progeny.

Calculations _____

$$\frac{12.73}{167} + \frac{0.76}{110} = 0.08 < 1$$

Table C.2 - NORM other than Uranium and Thorium Uniformly Dispersed in Soil or Other Media

Yes No Does the material contain Ra-226 or Ra-228?

Yes No Does the material contain Lead-210?

Yes No Does the material contain any radioisotopes other than NORM?

Table C.3 - Non-Production Particle Accelerator Produced Radioactive Material

What is the purpose of the accelerator that produced the material?

Was the accelerator ever used to produce isotopes for industrial use, medical use, or academic research?

- Note:
- The generator must provide an estimated inventory of activity, by isotope, for each container.
 - Dose rate may not exceed 10 mrem/hr at any point on the package surface.
 - Containers must be at least 90% full.
 - Waste from "production" accelerators may be accepted under the terms of Table 4b.

Table C.4a - NRC Exempted Products, Devices, or Items

The material is exempt under 10 CFR _____

- Note:
- Material must be transported in accordance with DOT Rules and Regulations.
 - The generator must provide an estimated inventory of activity, by isotope, for each container.
 - Individual packages may bear White I or Yellow II Labels as long as the maximum surface dose rate on any package does not exceed 10 mrem/hr.

Table C.4b - Materials Specifically Exempted by the NRC or NRC Agreement State

- Yes No Is the material approved for disposal in accordance with 20.2008(b) or equivalent Agreement State regulation? If yes, provide a copy of the exemption.
- Yes No Has the waste been approved by the NRC or and Agreement State for alternate disposal in accordance with 10 CFR 20.2002 or Equivalent? If yes, provide a copy of the approval request, exemption, and/or FONSI.
- Yes No Was the material approved for alternate disposal via a decommissioning plan or license ammendment? If yes, provide a copy of the license or plan.
- Yes No Is the material similar to Table C.4b but is not regulated or licensed by the NRC or Agreement State. If yes, provide documentation that the radioactive material is unlicensed. This could be a release of property for unrestricted use by the NRC to another Federal Agency, i.e. the EPA, USACE, etc. or a release for unrestricted use bv an agreement state. etc.

Certification Statement:

I certify that the contents of the package(s) being shipped to US Ecology Idaho (USEI) are exempt from regulation at the point of generation by the US Nuclear Regulatory Commission, in accordance with 10 CFR _____. (List each section of the NRC Regulations that contains and exemption for each type of device or item in the shipment, or are not licensed by the NRC or an agreement state.)

Neil Miller / Health Physicist - US Army Corps of Engineers
Name/Title (Please Print)

Neil T. Miller
Signature

10/08/2010
Date

APPENDIX E

Radiological Scanning Survey Results Wipe Sample Results

APPENDIX E-1

Characterization Radiological Scanning Survey and Sample Results

The United States Army Corps of Engineers (USACE) is completing the Remedial Investigation (RI) of the Formerly Utilized Sites Remedial Action Program (FUSRAP) Niagara Falls Storage Site (NFSS). The USACE has prepared a Statement of Work (SOW) to prepare, package, load, transport, and properly dispose of two waste streams. The two waste streams are legacy waste left on-site by the United States Department of Energy (DOE) and investigation derived wastes (IDW) generated during multiphase RI activities and RI addendum activities.

Environmental Chemical Corporation (ECC) has been selected by the USACE – Buffalo District under Contract Number W912P4-07-D-0005 Delivery Order 0004, to provide transportation and disposal services in support of the NFSS FUSRAP Site located in Lewiston, New York. This remediation is being completed under the USACE's FUSRAP which was established to identify, investigate, and clean up or control sites previously used by the Atomic Energy Commission and its predecessor, the Manhattan Engineer District. This Site has been identified as containing various concentrations of residual radioactive material in soil and debris from previous operations, including Thorium-232, Thorium-230, Radium-226 and Uranium-238.

There are a number of Low Specific Activity (LSA) boxes which require disposal. The boxes are constructed of steel and are 4 foot by 6 foot by 4 foot high. The boxes are identified as Waste Container (WC) – 167 through 177, WC-224, and WC-227. The boxes contain various materials, some which are amenable to physical sampling, others to radiological surveying. Table 1 identifies the LSA boxes and the characterization method, either sampling or surveying. Table 2 presents the analytical results from boxes which were able to be physically sampled. Table 3 presents a qualitative description of the contents of the LSA boxes.

For boxes which were not able to be physically sampled, radiological surveys were performed. Appendix A presents surveys of the materials placed inside of the LSA boxes. Appendix B presents results of a survey performed on the exterior of the boxes which contain materials with survey results exceeding those presented in Regulatory Guide 1.86 for total and removable alpha and beta/gamma contamination limits.

Table 1 – Sample ID and Composite Group Summary

Sample ID	Composite Group	WC Number	Matrix	Primary Component	Analytical Suite
WC-167	CG-114	WC-167	Solid	PPE	Full Suite- Solid
WC-168	CG-115	WC-168	Solid	PPE	Full Suite- Solid
WC-169	CG-116	WC-169	Solid	Metal Sample - Paint Chips	Full Suite- Solid- Only TCLP Due to limited sample volume - Paint Chips See Attached - Radiological Screening Forms
Metal LSA - No Sample	CG-117	WC-170	Solid	Metal	Metal LSA - No Sample See Attached - Radiological Screening Forms
Metal LSA - No Sample	CG-118	WC-171	Solid	Metal	Metal LSA - No Sample See Attached - Radiological Screening Forms
WC-172	CG-119	WC-172	Solid	Metal Sample - Paint Chips	Full Suite- Solid- Only TCLP Due to limited sample volume - Paint Chips See Attached - Radiological Screening Forms
WC-173	CG-120	WC-173	Solid	Metal, Concrete, Wood	Full Suite- Solid See Attached - Radiological Screening Forms
Metal LSA - No Sample	CG-121	WC-174	Solid	Metal	Metal LSA - No Sample See Attached - Radiological Screening Forms
Metal LSA - No Sample	CG-122	WC-175	Solid	Metal	Metal LSA - No Sample See Attached - Radiological Screening Forms
WC-176	CG-123	WC-176	Solid	Metal, Soil-like	Full Suite- Solid See Attached - Radiological Screening Forms

Table 1 – Sample ID and Composite Group Summary

Sample ID	Composite Group	WC Number	Matrix	Primary Component	Analytical Suite
Metal LSA - No Sample	CG-124	WC-177	Solid	Metal	Metal LSA - No Sample See Attached - Radiological Screening Forms
CG-125	CG-125	WC-224	Solid	Wood	Full Suite Solid - Confirmed
CG-126	CG-126	WC-227	Solid	PPE	Full Suite Solid - Confirmed

Table 2 – Analytical Results

Table 2 – Analytical Results

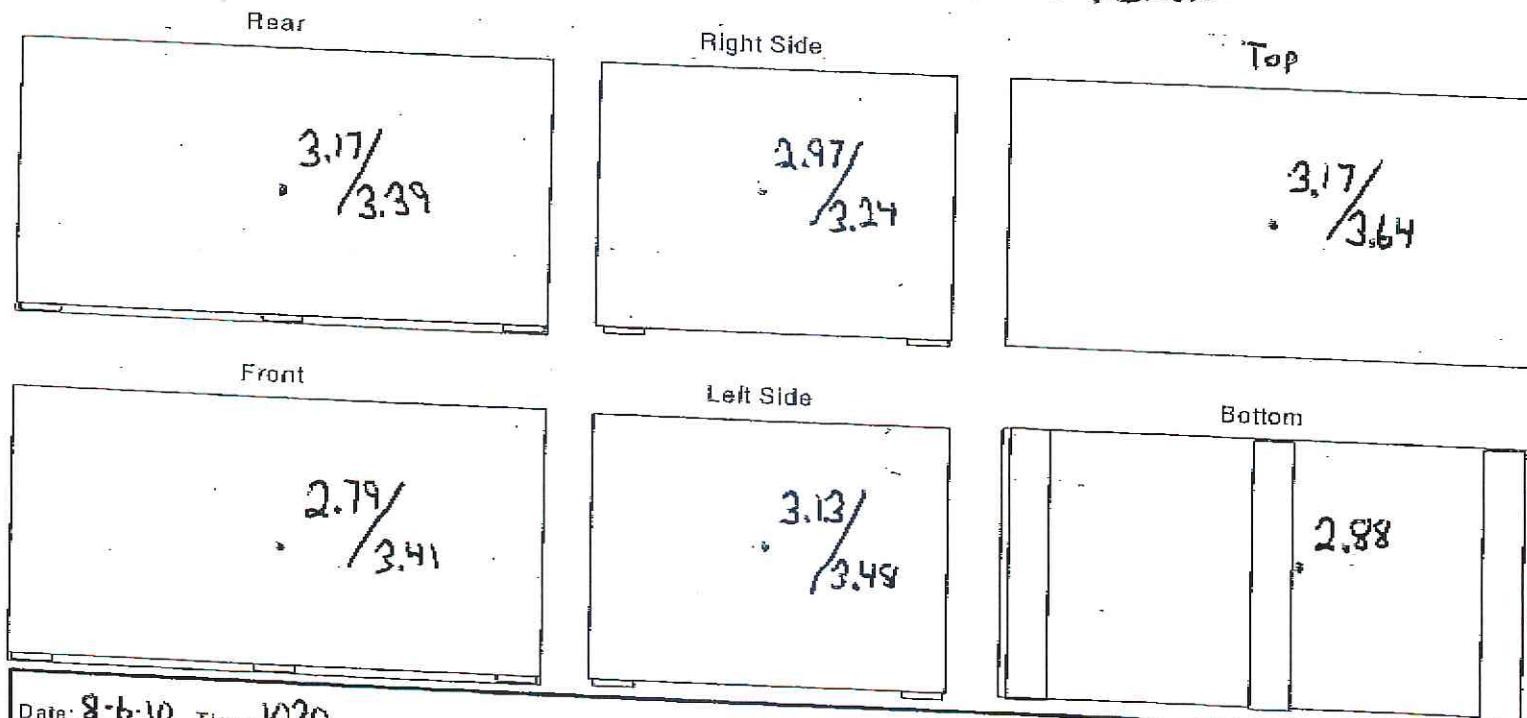
Table 3 – Qualitative Descriptions

Container Identification	Matrix	Container Construction	Container Type	Content 1	Content 2	Content 3	Content 4
WC-167	SOLID	LSA	Box	PPE	PVC/Plastic		
WC-168	SOLID	LSA	Box	PPE	PVC/Plastic		
WC-169	SOLID	LSA	Box	Metal			
WC-170	SOLID	LSA	Box	Metal			
WC-171	SOLID	LSA	Box	Metal			
WC-172	SOLID	LSA	Box	Metal			
WC-173	SOLID	LSA	Box	Metal	Wood	Concrete	
WC-173	SOLID	LSA	Box	Metal	Wood	Concrete	
WC-174	SOLID	LSA	Box	Metal			
WC-175	SOLID	LSA	Box	Metal			
WC-176	SOLID	LSA	Box	Metal	Bentonite	Wood	PVC/Plastic
WC-177	SOLID	LSA	Box	Metal			
WC-224	SOLID	LSA	Box	Wood	PPE	PVC/Plastic	Soil/Soil-Like
WC-227	SOLID	LSA	Box	PPE	Soil/Soil-Like	PVC/Plastic	

LSA Box WC-170

WASTE PACKAGE SURVEY REPORT

Dose Rate + See boxes (uR/hr)
Dose Rate 1 meter below (uR/hr) 1"/1 meter



Date: 8-6-10 Time: 1030
Meter: 1350-1 # 232725 Prob: 44-10 # PR18233
Cal Due Date: 2-1-11

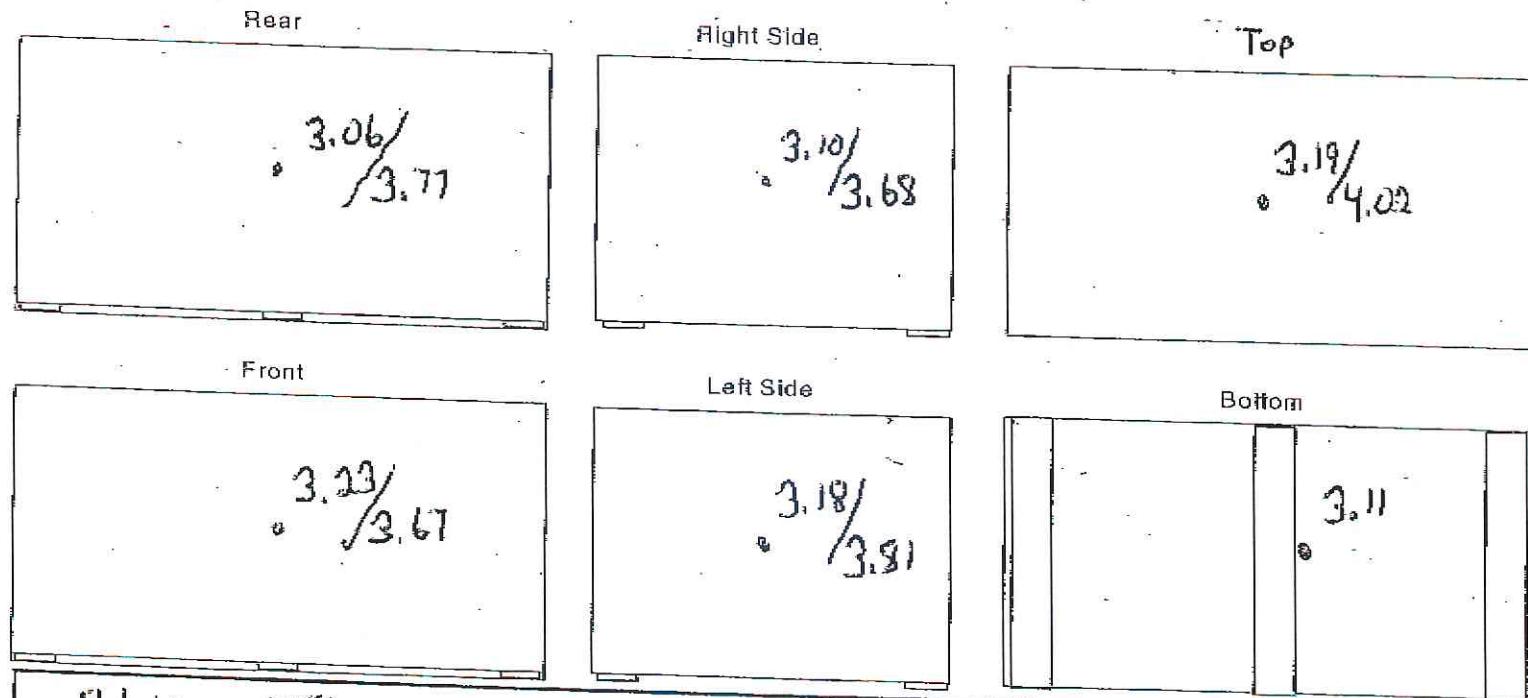
Surveyor: Michael P. LaBove / MJ
Review By:

- Background = 3.10 uR/hr
- All readings are in uR/hr.
- Only did 1" reading on bottom of box because it was sitting ON the ground.

LSA Box WC-175

WASTE PACKAGE SURVEY REPORT

Dose Rate 1" See box (uR/hr) 1"
 Dose Rate 1 meter below (uR/hr) /1 meter



Date: 8-6-10 Time: 1050
 Meter: 3350-1 # 131725 Probe: 44-10 # PR181333
 Cal Due Date: 1-7-11

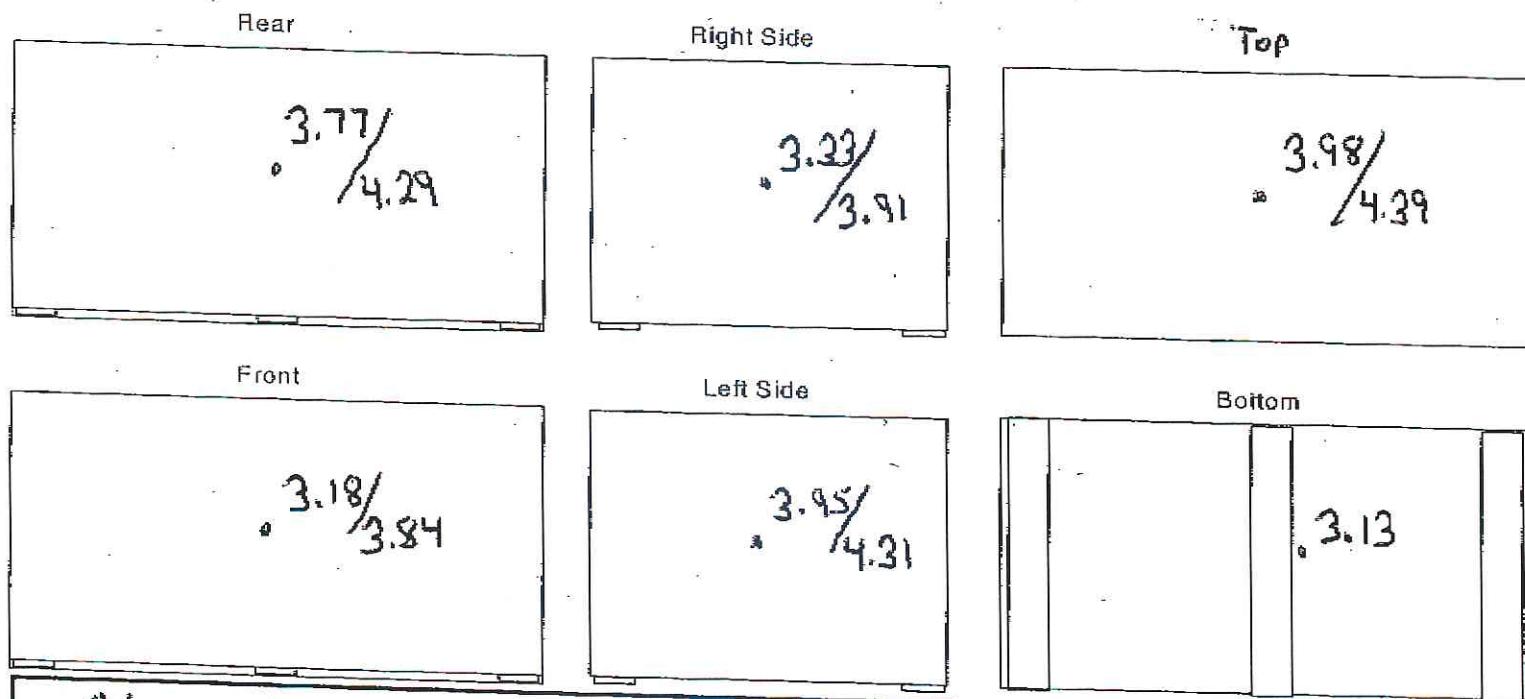
Surveyor: Michael P. LaBonne /MPL
 Review By:

- Background = 4.09 uR/hr - All readings are in uR/hr
- Only did 1" reading on bottom of box because it was sitting on the ground.

LSA Box WC-177

WASTE PACKAGE SURVEY REPORT

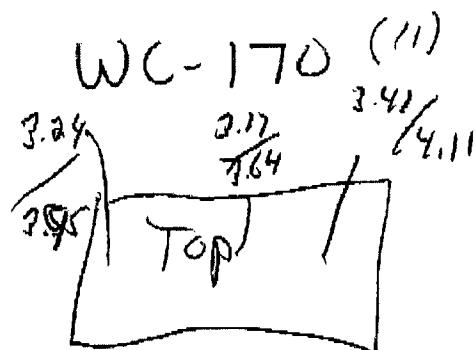
Dose Rate 1" See boxes ($\mu\text{R}/\text{hr}$) 1"
 Dose Rate 1 meter below ($\mu\text{R}/\text{hr}$) /1 meter



Date: 8-6-10 Time: 1115
 Meter: 3350-1 # 232735 Probe: 44-10 # PR 182333
 Cal Due Date: 2-1-11

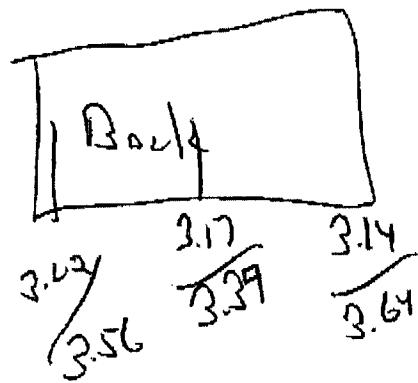
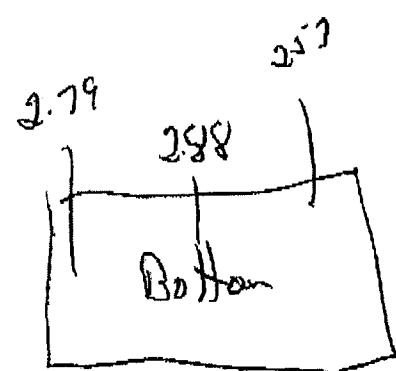
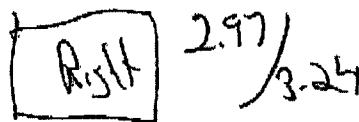
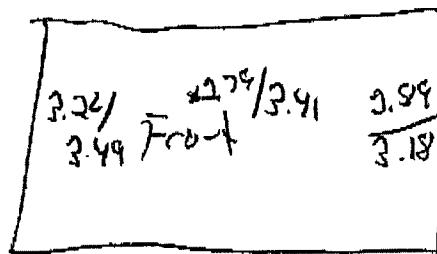
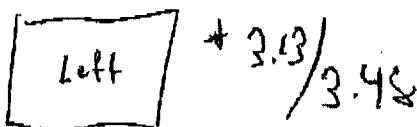
Surveyor: Michael P. LaBanc J/M2
 Review By:

- Background = $4.04 \mu\text{R}/\text{hr}$ - All readings are in $\mu\text{R}/\text{hr}$
- Only did 1" reading on bottom of box because it was sitting on the ground.



8-6-12

Box J-4



Pkg 3.10

2250 - 2x2

2224-14389 154947

R113 3.95-4.17

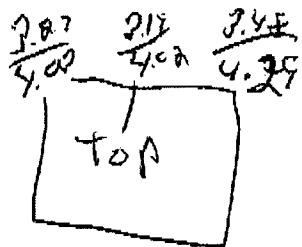
1584pm

143 mAh/Lv Response ✓

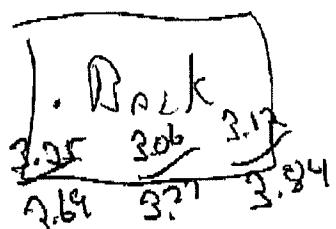
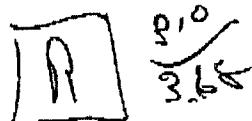
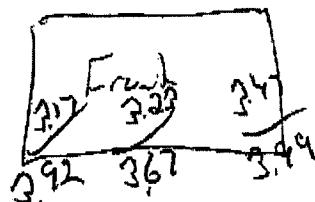
WC-175 (S)

R_{ox}

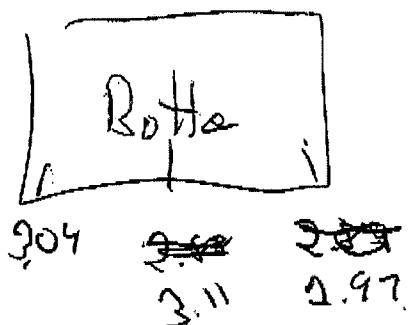
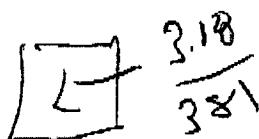
8-6-10



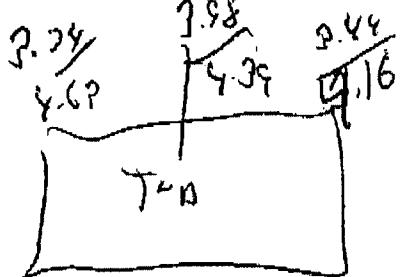
2-4



R_{Kg} 4.09

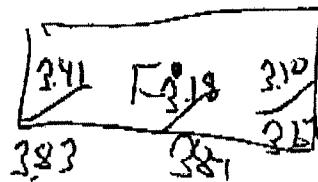
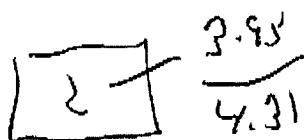


WC-177 (19)



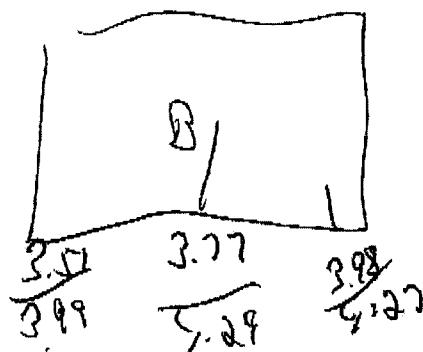
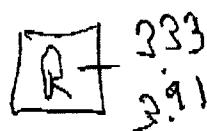
8-6-10

R_{ox} 2.4



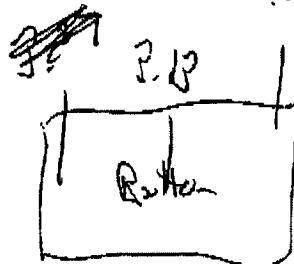
R_{Kg}

4.04



2.89

3.28



APPENDIX E-1

Pre-mobilization Radiological Scanning Survey Results

SAIC RADIOLOGICAL SURVEY REPORT

SURVEY LOCATION: Drum Storage Area				SURVEYOR: Joshua Bushman						Page 1 of 2				
PURPOSE OF SURVEY: Characterization Survey						DATE: 11/20/09			TIME: 1600					
Instrument Type(s): (✓ if used)	Detector Area (cm ²)	Serial Number:		Cal. Due Date:		Background: (CPM)		Efficiency (%)						
		meter	detector	meter	detector	Alpha (α)	Beta (βγ)	Alpha (α)	Beta (βγ)					
<input checked="" type="checkbox"/> Ludlum 2221/43-10-1	N/A	157320	PR157821	9/24/10	9/24/10	0.2	48	.358	.321					
<input checked="" type="checkbox"/> Ludlum 2360/43-93	100	215279	PR197430	9/23/10	9/23/10	3	204	.176	.228					
<input type="checkbox"/> Ludlum 2221/44-9	15.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A					
<input checked="" type="checkbox"/> Micro-R	N/A	1716	N/A	05-18-10	N/A	N/A	N/A	N/A	N/A					
Contamination Limits: (dpm/100cm ²)		Removable α 20 DPM		Removable βγ 100 DPM		Total α 1000 DPM		Total βγ 5000 DPM						
Sample No.	Description/ Location	Gross CPM α Removable	Net CPM α Removable	dpm/100cm ² α Removable	Gross CPM βγ Removable	Net CPM βγ Removable	dpm/100cm ² βγ Removable	Gross CPM α Total	Net CPM α Total	dpm/100cm ² α Total	Gross CPM βγ Total	Net CPM βγ Total	dpm/100cm ² βγ Total	mR/hr
1	LSA Box 12	1	0.8	<12	52	8	<83	4	1	<62	212	8	<304	<0.01
2	LSA Box 12	0	0	<12	46	2	<83	1	0	<62	208	4	<304	<0.01
3	LSA Box 12	0	0	<12	49	5	<83	9	6	<62	215	11	<304	<0.01
4	LSA Box 12	2	1.8	<12	47	3	<83	3	0	<62	262	58	<304	<0.01
5	LSA Box 12	0	0	<12	49	5	<83	6	3	<62	255	51	<304	<0.01
6	LSA Box 12	0	0	<12	43	0	<83	4	1	<62	213	9	<304	<0.01
7	LSA Box 12	3	2.8	<12	40	0	<83	8	5	<62	265	61	<304	<0.01
8	LSA Box 12	1	0.8	<12	45	1	<83	1	0	<62	203	0	<304	<0.01
9	LSA Box 12	2	1.8	<12	48	4	<83	2	0	<62	245	41	<304	<0.01
10	LSA Box 12	4	3.8	<12	46	2	<83	5	2	<62	274	70	307	<0.01
REMARKS: Metal from LSA box 12 and box 4 (non-impacted metal)														
Micro-R Dose Rate Background 0.01 mR/hr														
WC-169														
TECHNICIAN(S) SIGNATURE/DATE: <i>Le Se</i> / 11-20-09 /														
REVIEWER SIGNATURE/DATE: <i>Dave J</i> / 1-16-10 /														

Niagara Falls Storage Site, Lewiston, New York

SAIC RADIOLOGICAL SURVEY REPORT (Supplement)

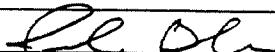
SURVEY LOCATION: Drum Storage Area													Page 2 of 2		
Contamination Limits: (dpm/100cm ²)			Removable α 20 DPM			Removable $\beta\gamma$ 100 DPM			Total α 1000 DPM			Total $\beta\gamma$ 5000 DPM			
Sample No.	Description/ Location		Gross CPM α Removable	Net CPM α Removable	dpm/100cm ² α Removable	Gross CPM $\beta\gamma$ Removable	Net CPM $\beta\gamma$ Removable	dpm/100cm ² $\beta\gamma$ Removable	Gross CPM α Total	Net CPM α Total	dpm/100cm ² α Total	Gross CPM $\beta\gamma$ Total	Net CPM $\beta\gamma$ Total	dpm/100cm ² $\beta\gamma$ Total	mR/hr or μ R/hr
11	LSA Box 12		2	1.8	<12	50	6	<83	24	21	119	290	86	377	<0.01
12	LSA Box 12		0	0	<12	57	13	<83	3	0	<62	276	72	316	<0.01
13	LSA Box 12		1	0.8	<12	40	0	<83	4	1	<62	288	84	368	<0.01
14	LSA Box 12		0	0	<12	43	0	<83	8	5	<62	274	70	307	<0.01
15	LSA Box 12		1	0.8	<12	47	3	<83	4	1	<62	310	106	465	<0.01
16	LSA Box 12		1	0.8	<12	42	0	<83	3	0	<62	315	111	487	<0.01
17	LSA Box 12		2	1.8	<12	49	5	<83	5	2	<62	301	97	425	<0.01
18	LSA Box 12		0	0	<11	42	0	<83	3	0	<62	274	70	307	<0.01
19	LSA Box 12		5	4.8	14	47	3	<83	1	0	<62	261	57	<304	<0.01
20	LSA Box 12		4	3.8	<12	52	8	<83	11	8	<62	245	41	<304	<0.01

REMARKS: Metal from LSA box 12 and box 4 (non-impacted metal)

Micro-R Dose Rate Background 0.01 mR/hr

WC-169

TECHNICIAN(S) SIGNATURE/DATE:

 / 11-24-09

/

REVIEWER SIGNATURE/DATE:

 / 1-16-10

SAIC RADIOLOGICAL SURVEY REPORT

SURVEY LOCATION: Drum Storage Area				SURVEYOR: Joshua Bushman						Page 1 of 2				
PURPOSE OF SURVEY: Characterization Survey				DATE: 11/22/09						TIME: 1625				
Instrument Type(s): (✓ if used)	Detector Area (cm ²)	Serial Number:		Cal. Due Date:		Background: (CPM)			Efficiency (%)					
		Meter	detector	Meter	detector	Alpha (α)	Beta ($\beta\gamma$)	Alpha (α)	Beta ($\beta\gamma$)					
<input checked="" type="checkbox"/> Ludlum 2221/43-10-1	N/A	157320	PR157821	9/24/10	9/24/10	0.2	48	.358	.321					
<input checked="" type="checkbox"/> Ludlum 2360/43-93	100	215279	PR197430	9/23/10	9/23/10	2	195	.176	.228					
<input type="checkbox"/> Ludlum 2221/44-9	15.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A					
<input checked="" type="checkbox"/> Micro-R	N/A	1716	N/A	05-18-10	N/A	N/A	N/A	N/A	N/A					
Contamination Limits: (dpm/100cm ²)		Removable α <u>20 DPM</u>		Removable $\beta\gamma$ <u>100 DPM</u>		Total α <u>1000 DPM</u>			Total $\beta\gamma$ <u>5000 DPM</u>					
Sample No.	Description/ Location	Gross CPM α Removable	Net CPM α Removable	dpm/100cm ² α Removable	Gross CPM $\beta\gamma$ Removable	Net CPM $\beta\gamma$ Removable	dpm/100cm ² $\beta\gamma$ Removable	Gross CPM α Total	Net CPM α Total	dpm/100cm ² α Total	Gross CPM $\beta\gamma$ Total	Net CPM $\beta\gamma$ Total	dpm/100cm ² $\beta\gamma$ Total	mR/hr
1	LSA Box 11	7	6.8	19	64	16	<83	7	5	<54	1245	1050	4606	<0.01
2	LSA Box 11	0	0	<12	98	50	156	10	8	<54	1009	814	3571	<0.01
3	LSA Box 11	29	28.8	81	185	137	427	6	4	<54	1124	929	4075	<0.01
4	LSA Box 11	3	2.8	<12	79	31	97	3	1	<54	987	792	3474	<0.01
5	LSA Box 11	1	0.8	<12	62	14	<83	5	3	<54	1158	963	4224	<0.01
6	LSA Box 11	5	4.8	14	85	37	116	7	5	<54	1345	1150	5044	<0.01
7	LSA Box 11	31	30.8	87	78	30	94	5	3	<54	1304	1109	4865	<0.01
8	LSA Box 11	30	29.8	84	136	88	275	9	7	<54	1169	974	4272	<0.01
9	LSA Box 11	3	2.8	<12	86	38	119	4	2	<54	1416	1221	5356	<0.01
10	LSA Box 11	16	15.8	45	114	66	206	6	4	<54	1255	1060	4650	<0.01
REMARKS: Metal from LSA box 11, box 6, box 4, box 12, box 2 (impacted metal) Micro-R Dose Rate Background 0.01 mR/hr														
WC-170														
TECHNICIAN(S) SIGNATURE/DATE: <u>J. Bushman</u> / 11-22-09														
REVIEWER SIGNATURE/DATE: <u>D. Saylor</u> / 1-16-10														

Niagara Falls Storage Site, Lewiston, New York

SAIC RADIOLOGICAL SURVEY REPORT (Supplement)

REMARKS: Metal from LSA box 11, box 6, box 4, box 12, box 2 (impacted metal)

Micro-R Dose Rate Background 0.01 mR/hr

WC-170

TECHNICIAN(S) SIGNATURE/DATE:

REVIEWER SIGNATURE/DATE

REVIEW

HP-11
Attachment 1

SAIC RADIOLOGICAL SURVEY REPORT

SURVEY LOCATION: Drum Storage Area				SURVEYOR: Joshua Bushman					Page 1 of 2					
PURPOSE OF SURVEY: Characterization Survey					DATE: 11/21/09				TIME: 1630					
Instrument Type(s): (✓ if used)	Detector Area (cm ²)	Serial Number:		Cal. Due Date:		Background: (CPM)		Efficiency (%)						
		meter	detector	meter	detector	Alpha (α)	Beta ($\beta\gamma$)	Alpha (α)	Beta ($\beta\gamma$)					
<input checked="" type="checkbox"/> Ludlum 2221/43-10-1	N/A	157320	PR157821	9/24/10	9/24/10	0.2	48	.358	.321					
<input checked="" type="checkbox"/> Ludlum 2360/43-93	100	215279	PR197430	9/23/10	9/23/10	2	185	.176	.228					
<input type="checkbox"/> Ludlum 2221/44-9	15.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A					
<input checked="" type="checkbox"/> Micro-R	N/A	1716	N/A	05-18-10	N/A	N/A	N/A	N/A	N/A					
Contamination Limits: (dpm/100cm ²)		Removable α 20 DPM			Removable $\beta\gamma$ 100 DPM			Total α 1000 DPM		Total $\beta\gamma$ 5000 DPM				
Sample No.	Description/Location	Gross CPM α Removable	Net CPM α Removable	dpm/100cm ² α Removable	Gross CPM $\beta\gamma$ Removable	Net CPM $\beta\gamma$ Removable	dpm/100cm ² $\beta\gamma$ Removable	Gross CPM α Total	Net CPM α Total	dpm/100cm ² α Total	Gross CPM $\beta\gamma$ Total	Net CPM $\beta\gamma$ Total	dpm/100cm ² $\beta\gamma$ Total	mR/hr
1	LSA Box 4	3	2.8	<12	50	4	<83	3	1	<54	212	27	<290	<0.01
2	LSA Box 4	0	0	<12	41	0	<83	1	0	<54	201	16	<290	<0.01
3	LSA Box 4	1	0.8	<12	45	0	<83	2	0	<54	194	9	<290	<0.01
4	LSA Box 4	2	1.8	<12	49	3	<83	5	3	<54	225	40	<290	<0.01
5	LSA Box 4	3	2.8	<12	40	0	<83	3	1	<54	196	11	<290	<0.01
6	LSA Box 4	0	0	<12	48	2	<83	4	2	<54	217	32	<290	<0.01
7	LSA Box 4	1	0.8	<12	46	0	<83	7	5	<54	208	23	<290	<0.01
8	LSA Box 4	0	0	<12	45	0	<83	4	2	<54	184	0	<290	<0.01
9	LSA Box 4	3	2.8	<12	51	5	<83	2	0	<54	193	8	<290	<0.01
10	LSA Box 4	1	0.8	<12	53	7	<83	2	0	<54	207	22	<290	<0.01
REMARKS: Metal from LSA box 4 and box 6 (non-impacted metal) Micro-R Dose Rate Background 0.01 mR/hr														
WC-171														
TECHNICIAN(S) SIGNATURE/DATE: <i>J. G. O.</i> / 11-21-09 /														
REVIEWER SIGNATURE/DATE: <i>J. G. O.</i> / 11-21-09 /														

Niagara Falls Storage Site, Lewiston, New York

SAIC RADIOLOGICAL SURVEY REPORT (Supplement)

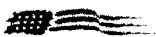
SURVEY LOCATION: Drum Storage Area													Page 2 of 2		
Contamination Limits: (dpm/100cm ²)			Removable α <u>20 DPM</u>			Removable $\beta\gamma$ <u>100 DPM</u>			Total α <u>1000 DPM</u>			Total $\beta\gamma$ <u>5000 DPM</u>			
Sample No.	Description/ Location		Gross CPM α Removable	Net CPM α Removable	dpm/100cm ² α Removable	Gross CPM $\beta\gamma$ Removable	Net CPM $\beta\gamma$ Removable	dpm/100cm ² $\beta\gamma$ Removable	Gross CPM α Total	Net CPM α Total	dpm/100cm ² α Total	Gross CPM $\beta\gamma$ Total	Net CPM $\beta\gamma$ Total	dpm/100cm ² $\beta\gamma$ Total	mR/hr
11	LSA Box 4		4	3.8	<12	46	0	<83	8	6	<54	240	55	<290	<0.01
12	LSA Box 4		1	0.8	<12	41	0	<83	1	0	<54	215	30	<290	<0.01
13	LSA Box 4		2	1.8	<12	52	6	<83	7	5	<54	198	13	<290	<0.01
14	LSA Box 4		0	0	<12	49	3	<83	2	0	<54	226	41	<290	<0.01
15	LSA Box 4		0	0	<12	53	7	<83	3	1	<54	232	47	<290	<0.01
16	LSA Box 4		2	1.8	<12	47	1	<83	3	1	<54	187	2	<290	<0.01
17	LSA Box 4		1	0.8	<12	42	0	<83	4	2	<54	209	24	<290	<0.01
18	LSA Box 4		1	0.8	<12	40	0	<83	2	0	<54	218	33	<290	<0.01
19	LSA Box 4		1	0.8	<12	58	12	<83	10	8	<54	194	9	<290	<0.01
20	LSA Box 4		2	1.8	<12	44	0	<83	6	4	<54	211	26	<290	<0.01

REMARKS: Metal from LSA box 4 and box 6 (non-impacted metal)
Micro-R Dose Rate Background 0.01 mR/hr
WC-171

TECHNICIAN(S) SIGNATURE/DATE: Lee Bla / 11-21-09 /
REVIEWER SIGNATURE/DATE: Dick Jager / 1-16-10 /

SAIC RADIOLOGICAL SURVEY REPORT

SURVEY LOCATION: Drum Storage Area				SURVEYOR: Joshua Bushman						Page 1 of 2				
PURPOSE OF SURVEY: Characterization Survey				DATE: 11/23/09						TIME: 1615				
Instrument Type(s): (✓ if used)	Detector Area (cm ²)	Serial Number:		Cal. Due Date:		Background: (CPM)			Efficiency (%)					
		METER	detector	METER	detector	Alpha (α)	Beta ($\beta\gamma$)	Alpha (α)	Beta ($\beta\gamma$)					
<input checked="" type="checkbox"/> Ludlum 2221/43-10-1	N/A	157320	PR157821	9/24/10	9/24/10	0.2	48	.358	.321					
<input checked="" type="checkbox"/> Ludlum 2360/43-93	100	215279	PR197430	9/23/10	9/23/10	2	214	.176	.228					
<input type="checkbox"/> Ludlum 2221/44-9	15.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A					
<input checked="" type="checkbox"/> Micro-R	N/A	1716	N/A	05-18-10	N/A	N/A	N/A	N/A	N/A					
Contamination Limits: (dpm/100cm ²)		Removable α 20 DPM		Removable $\beta\gamma$ 100 DPM		Total α 1000 DPM			Total $\beta\gamma$ 5000 DPM					
Sample No.	Description/ Location	Gross CPM α Removable	Net CPM α Removable	dpm/100cm ² α Removable	Gross CPM $\beta\gamma$ Removable	Net CPM $\beta\gamma$ Removable	dpm/100cm ² $\beta\gamma$ Removable	Gross CPM α Total	Net CPM α Total	dpm/100cm ² α Total	Gross CPM $\beta\gamma$ Total	Net CPM $\beta\gamma$ Total	dpm/100cm ² $\beta\gamma$ Total	mR/hr
1	LSA Box 6	6	5.8	17	49	1	<83	24	22	125	246	32	<311	<0.01
2	LSA Box 6	2	1.8	<12	52	4	<83	10	8	<54	210	0	<311	<0.01
3	LSA Box 6	1	0.8	<12	50	2	<83	5	3	<54	257	43	<311	<0.01
4	LSA Box 6	0	0	<12	42	0	<83	11	9	<54	286	72	316	<0.01
5	LSA Box 6	1	0.8	<12	43	0	<83	14	12	68	310	96	421	<0.01
6	LSA Box 6	1	0.8	<12	47	0	<83	10	8	<54	246	32	<311	<0.01
7	LSA Box 6	2	1.8	<12	40	0	<83	6	4	<54	216	2	<311	<0.01
8	LSA Box 6	1	0.8	<12	45	0	<83	7	5	<54	233	19	<311	<0.01
9	LSA Box 6	0	0	<12	49	1	<83	1	0	<54	220	6	<311	<0.01
10	LSA Box 6	1	0.8	<12	46	0	<83	4	2	<54	247	33	<311	<0.01
REMARKS: Metal from LSA box 2 and box 7 (non-impacted metal) Micro-R Dose Rate Background 0.01 mR/hr														
WC-172														
TECHNICIAN(S) SIGNATURE/DATE: <i>JL Bl</i> / 11-23-09 /														
REVIEWER SIGNATURE/DATE: <i>DJ Dyer</i> / 1-16-10 /														



SAIC RADIOLOGICAL SURVEY REPORT (Supplement)

SURVEY LOCATION: Drum Storage Area

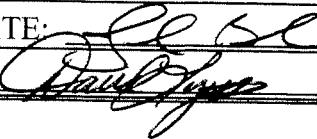
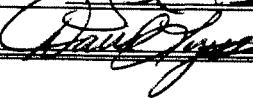
Page 2 of 2

Contamination Limits: (dpm/100cm ²)		Removable α 20 DPM			Removable $\beta\gamma$ 100 DPM			Total α 1000 DPM			Total $\beta\gamma$ 5000 DPM			
Sample No.	Description/ Location	Gross CPM α Removable	Net CPM α Removable	dpm/100cm ² α Removable	Gross CPM $\beta\gamma$ Removable	Net CPM $\beta\gamma$ Removable	dpm/100cm ² $\beta\gamma$ Removable	Gross CPM α Total	Net CPM α Total	dpm/100cm ² α Total	Gross CPM $\beta\gamma$ Total	Net CPM $\beta\gamma$ Total	dpm/100cm ² $\beta\gamma$ Total	mR/hr or μ R/hr
11	LSA Box 6	4	3.8	<12	65	17	<83	17	15	86	264	50	<311	<0.01
12	LSA Box 6	10	9.8	28	61	13	<83	12	10	57	215	1	<311	<0.01
13	LSA Box 6	6	5.8	17	43	0	<83	7	5	<54	226	12	<311	<0.01
14	LSA Box 6	2	1.8	<12	49	1	<83	19	17	97	278	64	<311	<0.01
15	LSA Box 6	1	0.8	<12	51	3	<83	11	9	<54	304	90	395	<0.01
16	LSA Box 6	1	0.8	<12	47	0	<83	7	5	<54	266	52	<311	<0.01
17	LSA Box 6	0	0	<12	42	0	<83	9	7	<54	289	75	329	<0.01
18	LSA Box 6	1	0.8	<12	40	0	<83	5	3	<54	274	60	<311	<0.01
19	LSA Box 6	2	1.8	<12	42	0	<83	8	6	<54	213	0	<311	<0.01
20	LSA Box 6	0	0	<12	46	0	<83	15	13	74	208	0	<311	<0.01

REMARKS: Metal from LSA box 2 and box 7 (non-impacted metal)

Micro-R Dose Rate Background 0.01 mR/hr

WC-172

TECHNICIAN(S) SIGNATURE/DATE:		/ 11-23-09	/
REVIEWER SIGNATURE/DATE:		/ 1-16-10	

SAIC RADIOLOGICAL SURVEY REPORT

SURVEY LOCATION: Drum Storage Area				SURVEYOR: Joshua Bushman						Page 1 of 2				
PURPOSE OF SURVEY: Characterization Survey				DATE: 11/23/09						TIME: 1615				
Instrument Type(s): (✓ if used)	Detector Area (cm ²)	Serial Number:		Cal. Due Date:			Background: (CPM)			Efficiency (%)				
		meter	detector	meter		detector	Alpha (α)	Beta ($\beta\gamma$)	Alpha (α)	Beta ($\beta\gamma$)				
<input checked="" type="checkbox"/> Ludlum 2221/43-10-1	N/A	157320	PR157821	9/24/10		9/24/10	0.2	48	.358	.321				
<input checked="" type="checkbox"/> Ludlum 2360/43-93	100	215279	PR197430	9/23/10		9/23/10	2	214	.176	.228				
<input type="checkbox"/> Ludlum 2221/44-9	15.5	N/A	N/A	N/A		N/A	N/A	N/A	N/A	N/A				
<input checked="" type="checkbox"/> Micro-R	N/A	1716	N/A	05-18-10		N/A	N/A	N/A	N/A	N/A				
Contamination Limits: (dpm/100cm ²)		Removable α <u>20 DPM</u>			Removable $\beta\gamma$ <u>100 DPM</u>			Total α <u>1000 DPM</u>		Total $\beta\gamma$ <u>5000 DPM</u>				
Sample No.	Description/ Location	Gross CPM α Removable	Net CPM α Removable	dpm/100cm ²	Gross CPM $\beta\gamma$ Removable	Net CPM $\beta\gamma$ Removable	dpm/100cm ²	Gross CPM α Total	Net CPM α Total	dpm/100cm ²	Gross CPM $\beta\gamma$ Total	Net CPM $\beta\gamma$ Total	dpm/100cm ² $\beta\gamma$ Total	mR/hr
1	LSA Box 2	10	9.8	28	60	12	<83	42	40	228	1378	1164	5106	<0.01
2	LSA Box 2	16	15.8	45	74	26	<83	20	18	103	1262	1048	4597	<0.01
3	LSA Box 2	5	4.8	14	45	0	<83	38	36	205	1345	1131	4961	<0.01
4	LSA Box 2	19	18.8	53	63	15	<83	55	53	302	1359	1145	5022	<0.01
5	LSA Box 2	3	2.8	<12	49	1	<83	27	25	143	1265	1051	4610	<0.01
6	LSA Box 2	26	25.8	73	114	66	206	61	59	336	1587	1373	6022	<0.01
7	LSA Box 2	11	10.8	31	58	10	<83	52	50	285	1358	1144	5018	<0.01
8	LSA Box 2	31	30.8	87	124	76	237	38	36	205	1245	1031	4522	<0.01
9	LSA Box 2	36	35.8	100	119	71	222	45	43	245	1350	1136	4983	<0.01
10	LSA Box 2	8	7.8	22	47	0	<83	16	14	80	992	778	3413	<0.01
REMARKS: Metal from LSA box 2, box 7, and box 6 (impacted metal) Micro-R Dose Rate Background 0.01 mR/hr														
WC-173														
TECHNICIAN(S) SIGNATURE/DATE: <u>J. B. Bel</u> / 11-23-09 /														
REVIEWER SIGNATURE/DATE: <u>P. J. Gandy</u> / 1-16-10 /														

SAIC RADIOLOGICAL SURVEY REPORT (Supplement)
SURVEY LOCATION: Drum Storage Area

Page 2 of 2

Contamination Limits: (dpm/100cm ²)			Removable α <u>20 DPM</u>			Removable $\beta\gamma$ <u>100 DPM</u>			Total α <u>1000 DPM</u>			Total $\beta\gamma$ <u>5000 DPM</u>			
Sample No.	Description/ Location		Gross CPM α Removable	Net CPM α Removable	dpm/100cm ² α Removable	Gross CPM $\beta\gamma$ Removable	Net CPM $\beta\gamma$ Removable	dpm/100cm ² $\beta\gamma$ Removable	Gross CPM α Total	Net CPM α Total	dpm/100cm ² α Total	Gross CPM $\beta\gamma$ Total	Net CPM $\beta\gamma$ Total	dpm/100cm ² $\beta\gamma$ Total	mR/hr or μ R/hr
11	LSA Box 2		162	161.8	452	490	442	1377	273	271	1540	2300	2086	9150	0.02
12	LSA Box 2		34	33.8	95	141	93	290	50	48	273	1512	1298	5693	<0.01
13	LSA Box 2		12	11.8	33	87	39	122	41	39	222	1401	1187	5207	<0.01
14	LSA Box 2		19	18.8	53	91	43	134	30	28	160	1328	1114	4886	<0.01
15	LSA Box 2		9	8.8	25	61	13	<83	49	47	268	1571	1357	5952	<0.01
16	LSA Box 2		46	45.8	128	101	53	165	27	25	143	1368	1154	5062	<0.01
17	LSA Box 2		21	20.8	59	87	39	122	19	17	97	1208	994	4360	<0.01
18	LSA Box 2		14	13.8	39	67	19	<83	57	55	313	1434	1220	5351	<0.01
19	LSA Box 2		35	34.8	98	59	11	<83	28	26	148	1316	1102	4834	<0.01
20	LSA Box 2		72	71.8	201	139	91	284	46	44	250	1481	1267	5558	<0.01

REMARKS: Metal from LSA box 2, box 7, and box 6 (impacted metal)

Micro-R Dose Rate Background 0.01 mR/hr

WC-173

 TECHNICIAN(S) SIGNATURE/DATE: Bege / 11-23-09 /

 REVIEWER SIGNATURE/DATE: Chris J. / 1-16-10 /

SAIC RADIOLOGICAL SURVEY REPORT

SURVEY LOCATION: Drum Storage Area				SURVEYOR: Joshua Bushman					Page 1 of 2					
PURPOSE OF SURVEY: Characterization Survey				DATE: 11/23/09					TIME: 1700					
Instrument Type(s): (✓ if used)	Detector Area (cm ²)	Serial Number:		Cal. Due Date:		Background: (CPM)			Efficiency (%)					
		Meter	detector	Meter	detector	Alpha (α)	Beta (βγ)	Alpha (α)	Beta (βγ)					
<input checked="" type="checkbox"/> Ludlum 2221/43-10-1	N/A	157320	PR157821	9/24/10	9/24/10	0.2	48	.358	.321					
<input checked="" type="checkbox"/> Ludlum 2360/43-93	100	215279	PR197430	9/23/10	9/23/10	2	214	.176	.228					
<input type="checkbox"/> Ludlum 2221/44-9	15.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A					
<input checked="" type="checkbox"/> Micro-R	N/A	1716	N/A	05-18-10	N/A	N/A	N/A	N/A	N/A					
Contamination Limits: (dpm/100cm ²)		Removable α 20 DPM		Removable βγ 100 DPM		Total α 1000 DPM		Total βγ 5000 DPM						
Sample No.	Description/ Location	Gross CPM α Removable	Net CPM α Removable	dpm/100cm ² α Removable	Gross CPM βγ Removable	Net CPM βγ Removable	dpm/100cm ² βγ Removable	Gross CPM α Total	Net CPM α Total	dpm/100cm ² α Total	Gross CPM βγ Total	Net CPM βγ Total	dpm/100cm ² βγ Total	mR/hr
1	LSA Box 7	5	4.8	14	61	13	<83	34	32	182	431	217	952	<0.01
2	LSA Box 7	1	0.8	<12	50	2	<83	11	9	<54	219	5	<311	<0.01
3	LSA Box 7	2	1.8	<12	43	0	<83	8	6	<54	198	0	<311	<0.01
4	LSA Box 7	1	0.8	<12	49	1	<83	16	14	80	268	54	<311	<0.01
5	LSA Box 7	1	0.8	<12	41	0	<83	24	22	125	314	100	439	<0.01
6	LSA Box 7	0	0	<12	47	0	<83	10	8	<54	205	0	<311	<0.01
7	LSA Box 7	5	4.8	14	52	4	<83	7	5	<54	226	12	<311	<0.01
8	LSA Box 7	3	2.8	<12	56	8	<83	4	2	<54	207	0	<311	<0.01
9	LSA Box 7	2	1.8	<12	42	0	<83	13	11	63	245	31	<311	<0.01
10	LSA Box 7	4	3.8	<12	47	0	<83	19	17	97	237	23	<311	<0.01
REMARKS: Metal from LSA box 2, box 7, and box 8 (non-impacted metal)														
Micro-R Dose Rate Background 0.01 mR/hr														
WC-174														
TECHNICIAN(S) SIGNATURE/DATE: <u>Reese</u> / 11.23.09 /														
REVIEWER SIGNATURE/DATE: <u>John J. Hall</u> / 1-16-10 /														

SAIC RADIOLOGICAL SURVEY REPORT (Supplement)

REMARKS: Metal from LSA box 2, box 7, and box 8 (non-impacted metal)

Micro-R Dose Rate Background 0.01 mR/hr

WC-174

TECHNICIAN(S) SIGNATURE/DATE

REVIEWER SIGNATURE/DATE:

REVIEWER SIGNATURE/DATE: Janice M. 1-16-10

SAIC RADIOLOGICAL SURVEY REPORT

SURVEY LOCATION: Drum Storage Area				SURVEYOR: Joshua Bushman							Page 1 of 2			
PURPOSE OF SURVEY: Characterization Survey				DATE: 11/23/09							TIME: 1615			
Instrument Type(s): (✓ if used)	Detector Area (cm ²)	Serial Number:		Cal. Due Date:			Background: (CPM)			Efficiency (%)				
		meter	detector	meter	detector	Alpha (α)	Beta ($\beta\gamma$)	Alpha (α)	Beta ($\beta\gamma$)					
<input checked="" type="checkbox"/> Ludlum 2221/43-10-1	N/A	157320	PR157821	9/24/10	9/24/10	0.2	48	.358	.321					
<input checked="" type="checkbox"/> Ludlum 2360/43-93	100	215279	PR197430	9/23/10	9/23/10	2	214	.176	.228					
<input type="checkbox"/> Ludlum 2221/44-9	15.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A					
<input checked="" type="checkbox"/> Micro-R	N/A	1716	N/A	05-18-10	N/A	N/A	N/A	N/A	N/A					
Contamination Limits: (dpm/100cm ²)		Removable α <u>20 DPM</u>			Removable $\beta\gamma$ <u>100 DPM</u>			Total α <u>1000 DPM</u>		Total $\beta\gamma$ <u>5000 DPM</u>				
Sample No.	Description/ Location	Gross CPM α Removable	Net CPM α Removable	dpm/100cm ² α Removable	Gross CPM $\beta\gamma$ Removable	Net CPM $\beta\gamma$ Removable	dpm/100cm ² $\beta\gamma$ Removable	Gross CPM α Total	Net CPM α Total	dpm/100cm ² α Total	Gross CPM $\beta\gamma$ Total	Net CPM $\beta\gamma$ Total	dpm/100cm ² $\beta\gamma$ Total	mR/hr
1	LSA Box 8	18	17.8	50	68	20	<83	49	47	268	1215	1001	4391	<0.01
2	LSA Box 8	5	4.8	14	51	3	<83	67	65	370	1315	1101	4829	<0.01
3	LSA Box 8	24	23.8	67	58	10	<83	109	107	608	1452	1238	5430	<0.01
4	LSA Box 8	44	43.8	123	104	56	175	196	194	1103	2650	2436	10685	<0.01
5	LSA Box 8	5	4.8	14	48	0	<83	50	48	273	1387	1173	5145	<0.01
6	LSA Box 8	4	3.8	<12	43	0	<83	63	61	347	1299	1085	4759	<0.01
7	LSA Box 8	6	5.8	17	47	0	<83	121	119	677	1345	1131	4961	<0.01
8	LSA Box 8	16	15.8	45	56	8	<83	54	52	296	1098	884	3878	<0.01
9	LSA Box 8	9	8.8	25	49	1	<83	86	84	478	1165	951	4172	<0.01
10	LSA Box 8	7	6.8	19	54	6	<83	97	95	540	1173	959	4207	<0.01
REMARKS: Metal from LSA box 8 and box 9 (impacted metal) Micro-R Dose Rate Background 0.01 mR/hr														
WC-175														
TECHNICIAN(S) SIGNATURE/DATE: <u>Reese</u> / 11-23-09 /														
REVIEWER SIGNATURE/DATE: <u>David Sykes</u> / 1-16-10 /														



SAIC RADIOLOGICAL SURVEY REPORT (Supplement)

REMARKS: Metal from LSA box 8 and box 9 (impacted metal)

Micro-R Dose Rate Background 0.01 mR/hr

WC-175

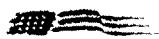
TECHNICIAN(S) SIGNATURE/DATE:

REVIEWER SIGNATURE/DATE:

REVIEW

SAIC RADIOLOGICAL SURVEY REPORT

SURVEY LOCATION: Drum Storage Area				SURVEYOR: Joshua Bushman						Page 1 of 2				
PURPOSE OF SURVEY: Characterization Survey								DATE: 11/23/09			TIME: 1630			
Instrument Type(s): (✓ if used)	Detector Area (cm ²)	Serial Number:		Cal. Due Date:		Background: (CPM)		Efficiency (%)						
		meter	detector	meter	detector	Alpha (α)	Beta ($\beta\gamma$)	Alpha (α)	Beta ($\beta\gamma$)					
<input checked="" type="checkbox"/> Ludlum 2221/43-10-1	N/A	157320	PR157821	9/24/10	9/24/10	0.2	48	.358	.321					
<input checked="" type="checkbox"/> Ludlum 2360/43-93	100	215279	PR197430	9/23/10	9/23/10	2	214	.176	.228					
<input type="checkbox"/> Ludlum 2221/44-9	15.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A					
<input checked="" type="checkbox"/> Micro-R	N/A	1716	N/A	05-18-10	N/A	N/A	N/A	N/A	N/A					
Contamination Limits: (dpm/100cm ²)		Removable α <u>20 DPM</u>			Removable $\beta\gamma$ <u>100 DPM</u>			Total α <u>1000 DPM</u>		Total $\beta\gamma$ <u>5000 DPM</u>				
Sample No.	Description/Location	Gross CPM α Removable	Net CPM α Removable	dpm/100cm ² α Removable	Gross CPM $\beta\gamma$ Removable	Net CPM $\beta\gamma$ Removable	dpm/100cm ² $\beta\gamma$ Removable	Gross CPM α Total	Net CPM α Total	dpm/100cm ² α Total	Gross CPM $\beta\gamma$ Total	Net CPM $\beta\gamma$ Total	dpm/100cm ² $\beta\gamma$ Total	mR/hr
1	LSA Box 9	5	4.8	14	61	13	<83	36	34	194	715	501	2198	<0.01
2	LSA Box 9	2	1.8	<12	54	6	<83	21	19	108	245	31	<311	<0.01
3	LSA Box 9	2	1.8	<12	34	0	<83	17	15	86	201	0	<311	<0.01
4	LSA Box 9	0	0	<12	43	0	<83	24	22	125	194	0	<311	<0.01
5	LSA Box 9	0	0	<12	59	11	<83	15	13	74	226	12	<311	<0.01
6	LSA Box 9	1	0.8	<12	54	6	<83	9	7	<54	186	0	<311	<0.01
7	LSA Box 9	2	1.8	<12	63	15	<83	4	2	<54	257	43	<311	<0.01
8	LSA Box 9	1	0.8	<12	48	0	<83	5	3	<54	301	87	382	<0.01
9	LSA Box 9	1	0.8	<12	36	0	<83	14	12	69	218	4	<311	<0.01
10	LSA Box 9	1	0.8	<12	64	16	<83	8	2	<54	207	0	<311	<0.01
REMARKS: Metal from LSA box 9 and box 3 (non-impacted metal) Micro-R Dose Rate Background 0.01 mR/hr														
WC-176														
TECHNICIAN(S) SIGNATURE/DATE: <u>JL</u> 11-23-09 /														
REVIEWER SIGNATURE/DATE: <u>CJ</u> 1-16-10 /														



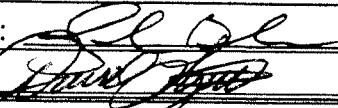
SAIC RADIOLOGICAL SURVEY REPORT (Supplement)

SURVEY LOCATION: Drum Storage Area													Page 2 of 2		
Contamination Limits: (dpm/100cm ²)			Removable α <u>20 DPM</u>			Removable $\beta\gamma$ <u>100 DPM</u>			Total α <u>1000 DPM</u>			Total $\beta\gamma$ <u>5000 DPM</u>			
Sample No.	Description/ Location		Gross CPM α Removable	Net CPM α Removable	dpm/100cm ² α Removable	Gross CPM $\beta\gamma$ Removable	Net CPM $\beta\gamma$ Removable	dpm/100cm ² $\beta\gamma$ Removable	Gross CPM α Total	Net CPM α Total	dpm/100cm ² α Total	Gross CPM $\beta\gamma$ Total	Net CPM $\beta\gamma$ Total	dpm/100cm ² $\beta\gamma$ Total	mR/hr
11	LSA Box 9		12	11.8	33	96	48	150	11	9	<54	268	54	<311	<0.01
12	LSA Box 9		5	4.8	14	61	13	<83	7	5	<54	309	95	417	<0.01
13	LSA Box 9		4	3.8	<12	43	0	<83	9	7	<54	210	0	<311	<0.01
14	LSA Box 9		0	0	<12	49	1	<83	4	2	<54	207	0	<311	<0.01
15	LSA Box 9		1	0.8	<12	50	2	<83	3	1	<54	192	0	<311	<0.01
16	LSA Box 9		3	2.8	<12	42	0	<83	13	11	63	255	41	<311	<0.01
17	LSA Box 9		0	0	<12	56	8	<83	24	22	125	368	154	676	<0.01
18	LSA Box 9		7	6.8	19	44	0	<83	16	14	80	302	88	386	<0.01
19	LSA Box 9		1	0.8	<12	49	1	<83	10	8	<54	246	32	<311	<0.01
20	LSA Box 9		4	3.8	<12	39	0	<83	5	3	<54	206	0	<311	<0.01

REMARKS: Metal from LSA box 9 and box 3 (non-impacted metal)

Micro-R Dose Rate Background 0.01 mR/hr

WC-176

TECHNICIAN(S) SIGNATURE/DATE:	 / 11-23-09 /
REVIEWER SIGNATURE/DATE:	 / 1-16-10 /

SAIC RADIOLOGICAL SURVEY REPORT

SURVEY LOCATION: Drum Storage Area				SURVEYOR: Joshua Bushman					Page 1 of 1					
PURPOSE OF SURVEY: Characterization Survey				DATE: 12/1/09				TIME: 1130						
Instrument Type(s): (✓ if used)	Detector Area (cm ²)	Serial Number:		Cal. Due Date:		Background: (CPM)		Efficiency (%)						
		meter	detector	meter	detector	Alpha (α)	Beta (βγ)	Alpha (α)	Beta (βγ)					
<input checked="" type="checkbox"/> Ludlum 2221/43-10-1	N/A	157320	PR157821	9/24/10	9/24/10	0.2	48	.358	.321					
<input checked="" type="checkbox"/> Ludlum 2360/43-93	100	215279	PR197430	9/23/10	9/23/10	2	200	.176	.228					
<input type="checkbox"/> Ludlum 2221/44-9	15.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A					
<input checked="" type="checkbox"/> Micro-R	N/A	1716	N/A	05-18-10	N/A	N/A	N/A	N/A	N/A					
Contamination Limits: (dpm/100cm ²)		Removable α 20 DPM			Removable βγ 100 DPM			Total α 1000 DPM			Total βγ 5000 DPM			
Sample No.	Description/ Location	Gross CPM α Removable	Net CPM α Removable	dpm/100cm ²	Gross CPM βγ Removable	Net CPM βγ Removable	dpm/100cm ²	Gross CPM α Total	Net CPM α Total	dpm/100cm ²	Gross CPM βγ Total	Net CPM βγ Total	dpm/100cm ² βγ Total	mR/hr
1	LSA Box 13	4	3.8	<12	55	7	<83	136	134	762	3895	3695	16207	<0.01
2	LSA Box 13	11	10.8	31	80	32	100	38	36	205	497	297	1303	<0.01
3	LSA Box 13	182	181.8	508	385	337	1050	286	284	1614	760	560	2457	<0.01
4	LSA Box 13	194	193.8	542	706	658	2050	1101	1099	6245	4185	3985	17479	<0.01
5	LSA Box 13	5	4.8	14	48	0	<83	453	451	2563	1473	1273	5584	<0.01
6	LSA Box 13	7	6.8	19	99	51	159	20	18	103	3504	3304	14492	<0.01
7	LSA Box 13	7	6.8	19	67	19	<83	212	210	1194	10588	10388	45562	<0.01
8	LSA Box 13	13	12.8	36	73	25	<83	24	22	125	9750	9550	41886	<0.01
9	LSA Box 13	190	189.8	531	895	847	2639	1580	1578	8966	12400	12200	53509	<0.01
10	LSA Box 13	13	12.8	36	75	27	84	101	99	563	1894	1694	7430	<0.01
REMARKS: Metal from LSA box 13 (impacted metal) Micro-R Dose Rate Background 0.01 mR/hr														
WC-177														
TECHNICIAN(S) SIGNATURE/DATE		<i>JL Bla</i> / 12-1-09 /												
REVIEWER SIGNATURE/DATE		<i>David Hayes</i> / 1-16-10 /												

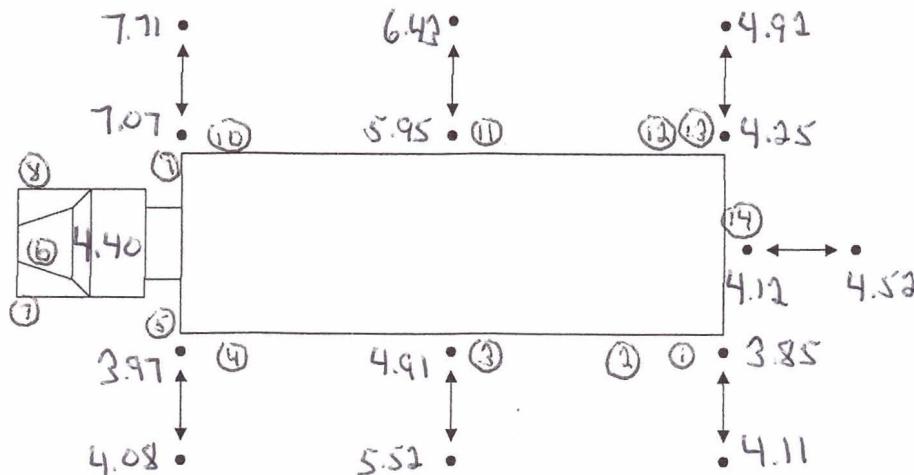
APPENDIX E-2

Release Radiological Scanning Survey Results – Arriving Vehicles

VEHICLE RADIATION AND CONTAMINATION RELEASE SURVEY

Date Monitored: 9-29-10 Monitored By: Michael P. LaBanc/m1
 Carrier Name: Landstar Ranger
 Vehicle Type: Tractor-Trailer Other Motor Vehicle _____ Railcar _____ Open Flatbed _____ Covered
 Other _____ (Explain) _____
 License No. If Motor vehicle: _____ State: _____
 Trailer or Railcar Identification: Tractor # 413056 / Trailer # 63145
 Is This an Exclusive Use Vehicle? Yes _____ No _____
 Vehicle Status: (A) Outgoing (B) Incoming _____ (C) Outgoing Empty, Not "Exclusive Use" _____
 (D) Empty, Before Loading _____ (E) Outgoing Empty, Not "Exclusive Use" _____
 (F) If (E) Is Checked, Is Vehicle to Remain "Exclusive Use"? Yes _____ No _____
 Is Contamination Present? Yes _____ No

uR/hr
Dose Rate Shown By Asterisks In $\mu\text{R}/\text{hr}$. Surface Alpha Contamination, Circled, in DPM/100 cm²



Survey Instruments Used:
 ALPHA - Type or model No. L-2929 Serial No. 137609
 BETA/GAMMA - Type or model No. L-2350-1 Serial No. 232925
 (Background 6.19 $\mu\text{R}/\text{hr}$)

Cal Due
9-10-11
2-1-1

VEHICLE RADIATION AND CONTAMINATION RELEASE SURVEY

Date Monitored: 9-30-10 Monitored By: Michael P. LaBanc/M2

Carrier Name: Landstar Ranger

Vehicle Type: Tractor-Trailer Other Motor Vehicle _____ Railcar _____ Open Flatbed _____ Covered

Other _____ (Explain) _____

License No. If Motor vehicle: _____ State: _____

Trailer or Railcar Identification: Tractor # 525795 / Trailer # 30225

Is This an Exclusive Use Vehicle? Yes _____ No _____

Vehicle Status: (A) Outgoing (B) Incoming _____ (C) Outgoing Empty, Not "Exclusive Use" _____

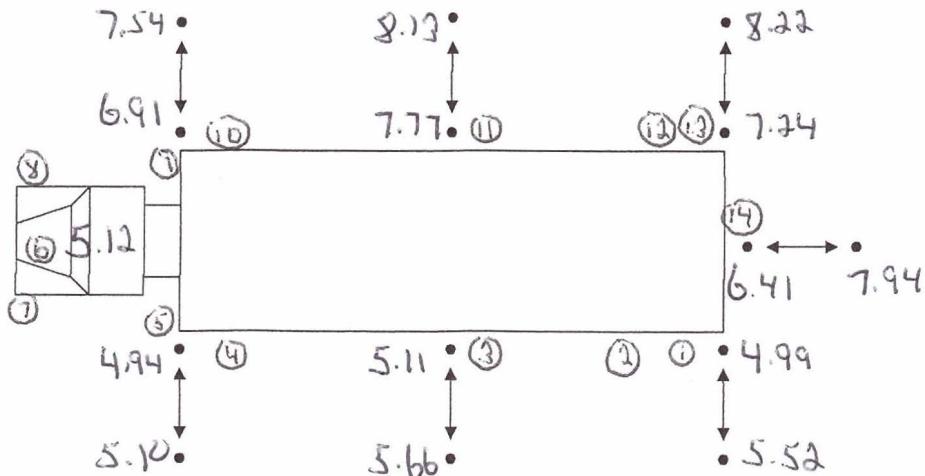
(D) Empty, Before Loading _____ (E) Outgoing Empty, Not "Exclusive Use" _____

(F) If (E) Is Checked, Is Vehicle to Remain "Exclusive Use"? Yes _____ No _____

Is Contamination Present? Yes _____ No

$\mu\text{R}/\text{hr}$

Dose Rate Shown By Asterisks in $\mu\text{R}/\text{hr}$. Surface Alpha Contamination, Circled, in DPM/100 cm²



Survey Instruments Used:

ALPHA - Type or model No. L-2929 Serial No. 131609

BETA/GAMMA - Type or model No. L-2350-1 Serial No. 232925

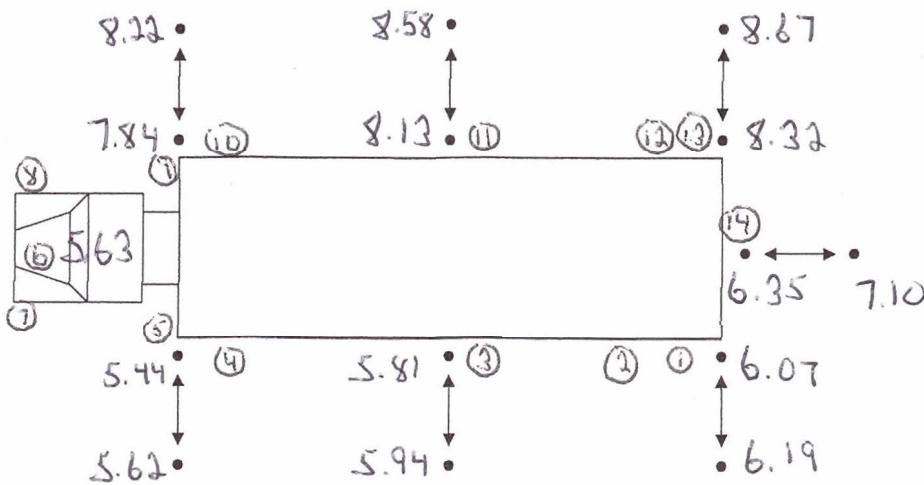
(Background 7.86 $\mu\text{R}/\text{hr}$)

Cal Due
9-10-11
2-1-1

VEHICLE RADIATION AND CONTAMINATION RELEASE SURVEY

Date Monitored: 9-30-10 Monitored By: Michael P. LaBanc/M2
 Carrier Name: Landstar Ranger
 Vehicle Type: Tractor-Trailer Other Motor Vehicle _____ Railcar _____ Open Flatbed Covered _____
 Other _____ (Explain) _____
 License No. If Motor vehicle: _____ State: _____
 Trailer or Railcar Identification: Tractor # 529138 / Trailer # 729138
 Is This an Exclusive Use Vehicle? Yes _____ No _____
 Vehicle Status: (A) Outgoing (B) Incoming _____ (C) Outgoing Empty, Not "Exclusive Use" _____
 (D) Empty, Before Loading _____ (E) Outgoing Empty, Not "Exclusive Use" _____
 (F) If (E) is Checked, Is Vehicle to Remain "Exclusive Use"? Yes _____ No _____
 Is Contamination Present? Yes _____ No

uR/hr
 Dose Rate Shown By Asterisks in *uR/hr*. Surface Alpha Contamination, Circled, in DPM/100 cm²



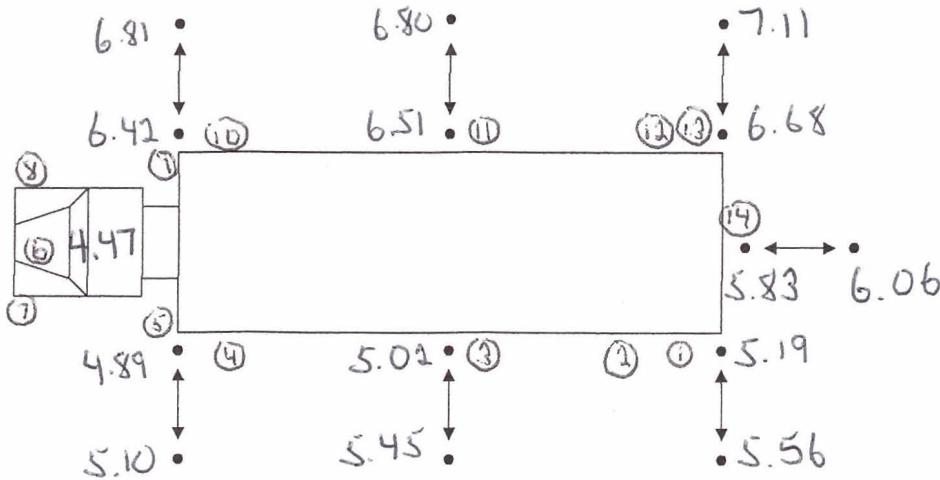
Survey Instruments Used:
 ALPHA - Type or model No. L-2929 Serial No. 131609
 BETA/GAMMA - Type or model No. L-2350-1 Serial No. 232925
 (Background 7.71 uR/hr)

C-1 Doc
 9-10-11
 2-1-1

VEHICLE RADIATION AND CONTAMINATION RELEASE SURVEY

Date Monitored: 9-30-10 Monitored By: Michael P. LaBanc M2
 Carrier Name: Hazmat Environmental
 Vehicle Type: Tractor-Trailer X Other Motor Vehicle _____ Railcar _____ Open Flatbed _____ Covered _____
 Other X (Explain) Water Tanker
 License No. If Motor vehicle: _____ State: _____
 Trailer or Railcar Identification: Tractor # 425 / Trailer # VS-11
 Is This an Exclusive Use Vehicle? Yes _____ No _____
 Vehicle Status: (A) Outgoing X (B) Incoming _____ (C) Outgoing Empty, Not "Exclusive Use" _____
 (D) Empty, Before Loading _____ (E) Outgoing Empty, Not "Exclusive Use" _____
 (F) If (E) is Checked, Is Vehicle to Remain "Exclusive Use"? Yes _____ No _____
 Is Contamination Present? Yes _____ No X

uR/hr
 Dose Rate Shown By Asterisks in *uR/hr*. Surface Alpha Contamination, Circled, in DPM/100 cm²



Survey Instruments Used:
 ALPHA - Type or model No. L-2929 Serial No. 131609
 BETA/GAMMA - Type or model No. L-2350-1 Serial No. 232925

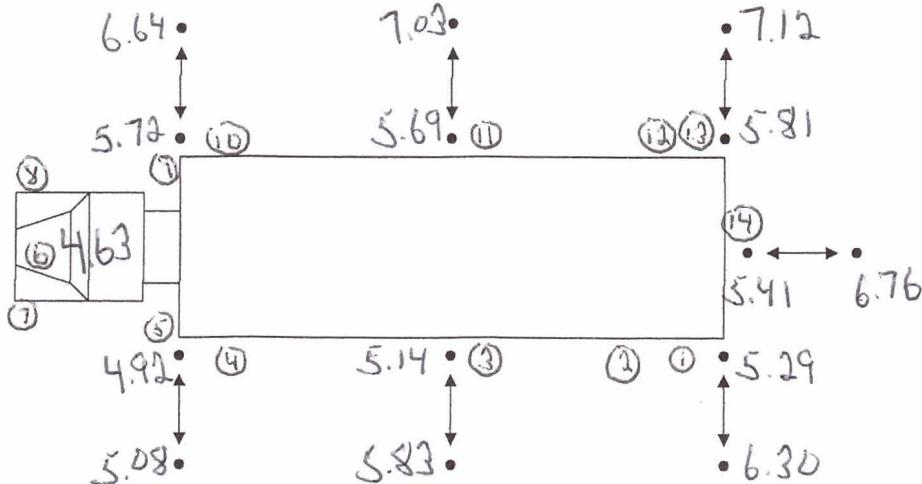
(Background 6.68 uR/hr)

Cal Due
9-10-11
2-1-1

VEHICLE RADIATION AND CONTAMINATION RELEASE SURVEY

Date Monitored: 1-3-11 Monitored By: Michael P. LaBanc/M2
 Carrier Name: Landstar Ranger
 Vehicle Type: Tractor-Trailer Other Motor Vehicle _____ Railcar _____ Open Flatbed _____ Covered
 Other _____ (Explain) _____
 License No. If Motor vehicle: _____ State: _____
 Trailer or Railcar Identification: Tractor #552882 / Trailer # 814417
 Is This an Exclusive Use Vehicle? Yes _____ No _____
 Vehicle Status: (A) Outgoing (B) Incoming _____ (C) Outgoing Empty, Not "Exclusive Use" _____
 (D) Empty, Before Loading _____ (E) Outgoing Empty, Not "Exclusive Use" _____
 (F) If (E) Is Checked, Is Vehicle to Remain "Exclusive Use"? Yes _____ No _____
 Is Contamination Present? Yes _____ No

uR/hr
Dose Rate Shown By Asterisks in $\mu\text{R}/\text{hr}$. Surface Alpha Contamination, Circled, in DPM/100 cm²



Survey Instruments Used:
 ALPHA - Type or model No. L-2929 Serial No. 131609
 BETA/GAMMA - Type or model No. L-2350-1 Serial No. 232925

(Background $6.53 \mu\text{R}/\text{hr}$)

Cal
9-10-11
2-1-1

VEHICLE RADIATION AND CONTAMINATION RELEASE SURVEY

Date Monitored: 9-29-10 Monitored By: Michael P. LaBanc/MZ
 Carrier Name: Landstar Ranger

Vehicle Type: Tractor-Trailer Other Motor Vehicle _____ Railcar _____ Open Flatbed _____ Covered
 Other _____ (Explain) _____

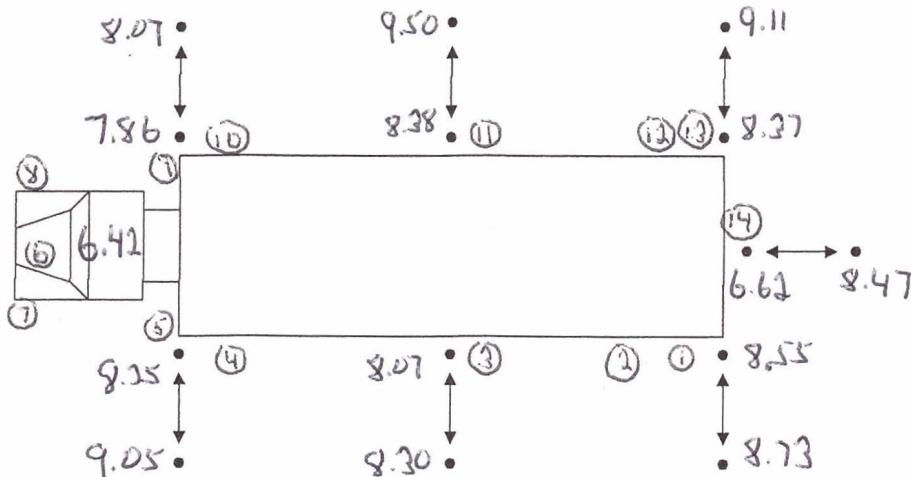
License No. If Motor vehicle: _____ State: _____
 Trailer or Railcar Identification: Tractor # 50084 / Trailer # 740176

Is This an Exclusive Use Vehicle? Yes _____ No _____

Vehicle Status: (A) Outgoing (B) Incoming _____ (C) Outgoing Empty, Not "Exclusive Use" _____
 (D) Empty, Before Loading _____ (E) Outgoing Empty, Not "Exclusive Use" _____
 (F) If (E) Is Checked, Is Vehicle to Remain "Exclusive Use"? Yes _____ No _____

Is Contamination Present? Yes _____ No

$\mu\text{R/hr}$
 Dose Rate Shown By Asterisks in $\mu\text{R/hr}$. Surface Alpha Contamination, Circled, in DPM/100 cm²



Survey Instruments Used:

ALPHA - Type or model No. L-2929 Serial No. 131609

BETA/GAMMA - Type or model No. L-2350-1 Serial No. 232925

(Background $8.07 \mu\text{R/hr}$)

Cal Due
 9-10-11
 2-1-1

APPENDIX E-2

Release Wipe Sample Results and Radiological Scanning Survey Results Waste Containers and Exiting Vehicles

	INFORMATION	Direct Detector Measurement (Fixed Plus Removable)					Removable Activity						
Survey No:	5210-004-01	Inst. Model:			Inst. Model:			Inst. Model:	L-2929	Inst. Model:	L-43-10-1		
Date:	9/28/2010	Inst. S/N			Inst. S/N			Inst. S/N	137609	Inst. S/N	PR 182333		
Site	NFSS	Inst. Eff.:			Inst. Eff.:			Inst. Eff.:	0.3513	Inst. Eff.:	0.1853		
Technician	M.LaBanc	cpm, bkqd:			cpm, bkqd:			cpm, bkqd:	0.05	cpm, bkqd:	50.35		
Survey Type:	Informational	MDA			MDA			MDA	10.67398693	MDA	192.6894024		
Survey Location: Screw Building and Surrounding Area		ALPHA		BETA / GAMMA			ALPHA		BETA / GAMMA				
Survey Item: Drums +Three Poly Tanks		Direct Detector Measurement (Fixed Plus Removable)					Removable Activity						
No	Survey Location	Gross Alpha cpm	Net Alpha cpm	Alpha dpm / 100cm ²	Gross Beta/ Gamma cpm	Net Beta/ Gamma cpm	Beta / Gamma dpm / 100cm ²	Gross Alpha cpm	Net Alpha cpm	Alpha dpm / 100cm ²	Gross Beta/ Gamma cpm	Net Beta/ Gamma cpm	Beta / Gamma dpm / 100cm ²
1	Drum WC-001						0	-0.05	-0.14233	49	-1.35	-7.28548	
2	Drum WC-002						0	-0.05	-0.14233	50	-0.35	-1.88883	
3	Drum WC-003						1	0.95	2.704241	54	3.65	19.69779	
4	Drum WC-004						0	-0.05	-0.14233	52	1.65	8.904479	
5	Drum WC-005						0	-0.05	-0.14233	55	4.65	25.09444	
6	Drum WC-006						0	-0.05	-0.14233	49	-1.35	-7.28548	
7	Drum WC-007						0	-0.05	-0.14233	55	4.65	25.09444	
8	Drum WC-008						2	1.95	5.550811	47	-3.35	-18.0788	
9	Drum WC-009						1	0.95	2.704241	51	0.65	3.507825	
10	Drum WC-010						0	-0.05	-0.14233	49	-1.35	-7.28548	
11	Drum WC-011						0	-0.05	-0.14233	54	3.65	19.69779	
12	Drum WC-012						0	-0.05	-0.14233	52	1.65	8.904479	
13	Drum WC-013						1	0.95	2.704241	54	3.65	19.69779	
14	Drum WC-014						0	-0.05	-0.14233	51	0.65	3.507825	

	INFORMATION	Direct Detector Measurement (Fixed Plus Removable)					Removable Activity						
Survey No:	5210-004-01	Inst. Model:			Inst. Model:			Inst. Model:	L-2929	Inst. Model:	L-43-10-1		
Date:	9/28/2010	Inst. S/N			Inst. S/N			Inst. S/N	137609	Inst. S/N	PR 182333		
Site	NFSS	Inst. Eff.:			Inst. Eff.:			Inst. Eff.:	0.3513	Inst. Eff.:	0.1853		
Technician	M.LaBanc	cpm, bkqd:			cpm, bkqd:			cpm, bkqd:	0.05	cpm, bkqd:	50.35		
Survey Type:	Informational	MDA			MDA			MDA	10.67398693	MDA	192.6894024		
Survey Location: Screw Building and Surrounding Area		ALPHA			BETA / GAMMA			ALPHA		BETA / GAMMA			
Survey Item: Drums +Three Poly Tanks		Direct Detector Measurement (Fixed Plus Removable)					Removable Activity						
No	Survey Location	Gross Alpha cpm	Net Alpha cpm	Alpha dpm / 100cm ²	Gross Beta/ Gamma cpm	Net Beta/ Gamma cpm	Beta / Gamma dpm / 100cm ²	Gross Alpha cpm	Net Alpha cpm	Alpha dpm / 100cm ²	Gross Beta/ Gamma cpm	Net Beta/ Gamma cpm	Beta / Gamma dpm / 100cm ²
15	Drum WC-015						0	-0.05	-0.14233	51	0.65	3.507825	
16	Drum WC-016						0	-0.05	-0.14233	57	6.65	35.88775	
17	Drum WC-017						0	-0.05	-0.14233	49	-1.35	-7.28548	
18	Drum WC-018						1	0.95	2.704241	60	9.65	52.07771	
19	Drum WC-019						0	-0.05	-0.14233	49	-1.35	-7.28548	
20	Drum WC-020						0	-0.05	-0.14233	55	4.65	25.09444	
21	Drum WC-021						0	-0.05	-0.14233	52	1.65	8.904479	
22	Drum WC-022						0	-0.05	-0.14233	56	5.65	30.4911	
23	Drum WC-023						0	-0.05	-0.14233	51	0.65	3.507825	
24	Drum WC-024						2	1.95	5.550811	54	3.65	19.69779	
25	Drum WC-025						0	-0.05	-0.14233	50	-0.35	-1.88883	
26	Drum WC-026						0	-0.05	-0.14233	52	1.65	8.904479	
27	Drum WC-027						0	-0.05	-0.14233	55	4.65	25.09444	
28	Drum WC-028						0	-0.05	-0.14233	53	2.65	14.30113	

	INFORMATION	Direct Detector Measurement (Fixed Plus Removable)					Removable Activity						
Survey No:	5210-004-01	Inst. Model:			Inst. Model:			Inst. Model:	L-2929	Inst. Model:	L-43-10-1		
Date:	9/28/2010	Inst. S/N			Inst. S/N			Inst. S/N	137609	Inst. S/N	PR 182333		
Site	NFSS	Inst. Eff.:			Inst. Eff.:			Inst. Eff.:	0.3513	Inst. Eff.:	0.1853		
Technician	M.LaBanc	cpm, bkqd:			cpm, bkqd:			cpm, bkqd:	0.05	cpm, bkqd:	50.35		
Survey Type:	Informational	MDA			MDA			MDA	10.67398693	MDA	192.6894024		
Survey Location: Screw Building and Surrounding Area		ALPHA			BETA / GAMMA			ALPHA		BETA / GAMMA			
Survey Item: Drums +Three Poly Tanks		Direct Detector Measurement (Fixed Plus Removable)					Removable Activity						
No	Survey Location	Gross Alpha cpm	Net Alpha cpm	Alpha dpm / 100cm ²	Gross Beta/ Gamma cpm	Net Beta/ Gamma cpm	Beta / Gamma dpm / 100cm ²	Gross Alpha cpm	Net Alpha cpm	Alpha dpm / 100cm ²	Gross Beta/ Gamma cpm	Net Beta/ Gamma cpm	Beta / Gamma dpm / 100cm ²
29	Drum WC-029						0	-0.05	-0.14233	54	3.65	19.69779	
30	Drum WC-030						3	2.95	8.397381	58	7.65	41.2844	
31	Drum WC-031						0	-0.05	-0.14233	60	9.65	52.07771	
32	Drum WC-032						0	-0.05	-0.14233	47	-3.35	-18.0788	
33	Drum WC-033						0	-0.05	-0.14233	50	-0.35	-1.88883	
34	Drum WC-034						0	-0.05	-0.14233	49	-1.35	-7.28548	
35	Drum WC-035						1	0.95	2.704241	52	1.65	8.904479	
36	Drum WC-036						0	-0.05	-0.14233	54	3.65	19.69779	
37	Drum WC-037						0	-0.05	-0.14233	50	-0.35	-1.88883	
38	Drum WC-038						0	-0.05	-0.14233	59	8.65	46.68106	
39	Drum WC-039						0	-0.05	-0.14233	48	-2.35	-12.6821	
40	Drum WC-040						0	-0.05	-0.14233	52	1.65	8.904479	
41	Drum WC-041						0	-0.05	-0.14233	55	4.65	25.09444	
42	Drum WC-042						1	0.95	2.704241	44	-6.35	-34.2688	

	INFORMATION	Direct Detector Measurement (Fixed Plus Removable)					Removable Activity						
Survey No:	5210-004-01	Inst. Model:			Inst. Model:			Inst. Model:	L-2929	Inst. Model:	L-43-10-1		
Date:	9/28/2010	Inst. S/N			Inst. S/N			Inst. S/N	137609	Inst. S/N	PR 182333		
Site	NFSS	Inst. Eff.:			Inst. Eff.:			Inst. Eff.:	0.3513	Inst. Eff.:	0.1853		
Technician	M.LaBanc	cpm, bkqd:			cpm, bkqd:			cpm, bkqd:	0.05	cpm, bkqd:	50.35		
Survey Type:	Informational	MDA			MDA			MDA	10.67398693	MDA	192.6894024		
Survey Location: Screw Building and Surrounding Area		ALPHA		BETA / GAMMA			ALPHA		BETA / GAMMA				
Survey Item: Drums +Three Poly Tanks		Direct Detector Measurement (Fixed Plus Removable)					Removable Activity						
No	Survey Location	Gross Alpha cpm	Net Alpha cpm	Alpha dpm / 100cm ²	Gross Beta/ Gamma cpm	Net Beta/ Gamma cpm	Beta / Gamma dpm / 100cm ²	Gross Alpha cpm	Net Alpha cpm	Alpha dpm / 100cm ²	Gross Beta/ Gamma cpm	Net Beta/ Gamma cpm	Beta / Gamma dpm / 100cm ²
43	Drum WC-043						0	-0.05	-0.14233	51	0.65	3.507825	
44	Drum WC-044						0	-0.05	-0.14233	50	-0.35	-1.88883	
45	Drum WC-045						1	0.95	2.704241	55	4.65	25.09444	
46	Drum WC-046						0	-0.05	-0.14233	58	7.65	41.2844	
47	Drum WC-047						0	-0.05	-0.14233	52	1.65	8.904479	
48	Drum WC-048						1	0.95	2.704241	50	-0.35	-1.88883	
49	Drum WC-049						1	0.95	2.704241	56	5.65	30.4911	
50	Drum WC-050						0	-0.05	-0.14233	59	8.65	46.68106	
51	Drum WC-051						0	-0.05	-0.14233	52	1.65	8.904479	
52	Drum WC-052						2	1.95	5.550811	54	3.65	19.69779	
53	Drum WC-053						0	-0.05	-0.14233	51	0.65	3.507825	
54	Drum WC-054						0	-0.05	-0.14233	56	5.65	30.4911	
55	Drum WC-055						0	-0.05	-0.14233	53	2.65	14.30113	
56	Drum WC-056						0	-0.05	-0.14233	52	1.65	8.904479	

	INFORMATION	Direct Detector Measurement (Fixed Plus Removable)					Removable Activity						
Survey No:	5210-004-01	Inst. Model:			Inst. Model:			Inst. Model:	L-2929	Inst. Model:	L-43-10-1		
Date:	9/28/2010	Inst. S/N			Inst. S/N			Inst. S/N	137609	Inst. S/N	PR 182333		
Site	NFSS	Inst. Eff.:			Inst. Eff.:			Inst. Eff.:	0.3513	Inst. Eff.:	0.1853		
Technician	M.LaBanc	cpm, bkqd:			cpm, bkqd:			cpm, bkqd:	0.05	cpm, bkqd:	50.35		
Survey Type:	Informational	MDA			MDA			MDA	10.67398693	MDA	192.6894024		
Survey Location: Screw Building and Surrounding Area		ALPHA		BETA / GAMMA			ALPHA		BETA / GAMMA				
Survey Item: Drums +Three Poly Tanks		Direct Detector Measurement (Fixed Plus Removable)					Removable Activity						
No	Survey Location	Gross Alpha cpm	Net Alpha cpm	Alpha dpm / 100cm ²	Gross Beta/ Gamma cpm	Net Beta/ Gamma cpm	Beta / Gamma dpm / 100cm ²	Gross Alpha cpm	Net Alpha cpm	Alpha dpm / 100cm ²	Gross Beta/ Gamma cpm	Net Beta/ Gamma cpm	Beta / Gamma dpm / 100cm ²
57	Drum WC-057						0	-0.05	-0.14233	59	8.65	46.68106	
58	Drum WC-058						1	0.95	2.704241	49	-1.35	-7.28548	
59	Drum WC-059						0	-0.05	-0.14233	61	10.65	57.47437	
60	Drum WC-060						0	-0.05	-0.14233	47	-3.35	-18.0788	
61	Drum WC-061						0	-0.05	-0.14233	50	-0.35	-1.88883	
62	Drum WC-062						0	-0.05	-0.14233	53	2.65	14.30113	
63	Drum WC-063						0	-0.05	-0.14233	48	-2.35	-12.6821	
64	Drum WC-064						0	-0.05	-0.14233	52	1.65	8.904479	
65	Drum WC-065						1	0.95	2.704241	55	4.65	25.09444	
66	Drum WC-066						0	-0.05	-0.14233	49	-1.35	-7.28548	
67	Drum WC-067						0	-0.05	-0.14233	52	1.65	8.904479	
68	Drum WC-068						0	-0.05	-0.14233	55	4.65	25.09444	
69	Drum WC-069						0	-0.05	-0.14233	52	1.65	8.904479	
70	Drum WC-070						0	-0.05	-0.14233	59	8.65	46.68106	

	INFORMATION	Direct Detector Measurement (Fixed Plus Removable)					Removable Activity						
Survey No:	5210-004-01	Inst. Model:			Inst. Model:			Inst. Model:	L-2929	Inst. Model:	L-43-10-1		
Date:	9/28/2010	Inst. S/N			Inst. S/N			Inst. S/N	137609	Inst. S/N	PR 182333		
Site	NFSS	Inst. Eff.:			Inst. Eff.:			Inst. Eff.:	0.3513	Inst. Eff.:	0.1853		
Technician	M.LaBanc	cpm, bkqd:			cpm, bkqd:			cpm, bkqd:	0.05	cpm, bkqd:	50.35		
Survey Type:	Informational	MDA			MDA			MDA	10.67398693	MDA	192.6894024		
Survey Location: Screw Building and Surrounding Area		ALPHA		BETA / GAMMA			ALPHA		BETA / GAMMA				
Survey Item: Drums +Three Poly Tanks		Direct Detector Measurement (Fixed Plus Removable)					Removable Activity						
No	Survey Location	Gross Alpha cpm	Net Alpha cpm	Alpha dpm / 100cm ²	Gross Beta/ Gamma cpm	Net Beta/ Gamma cpm	Beta / Gamma dpm / 100cm ²	Gross Alpha cpm	Net Alpha cpm	Alpha dpm / 100cm ²	Gross Beta/ Gamma cpm	Net Beta/ Gamma cpm	Beta / Gamma dpm / 100cm ²
71	Drum WC-071						1	0.95	2.704241	55	4.65	25.09444	
72	Drum WC-072						0	-0.05	-0.14233	52	1.65	8.904479	
73	Drum WC-073						0	-0.05	-0.14233	54	3.65	19.69779	
74	Drum WC-074						0	-0.05	-0.14233	50	-0.35	-1.88883	
75	Drum WC-075						0	-0.05	-0.14233	52	1.65	8.904479	
76	Drum WC-076						1	0.95	2.704241	54	3.65	19.69779	
77	Drum WC-077						0	-0.05	-0.14233	62	11.65	62.87102	
78	Drum WC-078						0	-0.05	-0.14233	50	-0.35	-1.88883	
79	Drum WC-079						2	1.95	5.550811	53	2.65	14.30113	
80	Drum WC-080						0	-0.05	-0.14233	57	6.65	35.88775	
81	Drum WC-081						0	-0.05	-0.14233	52	1.65	8.904479	
82	Drum WC-082						2	1.95	5.550811	49	-1.35	-7.28548	
83	Drum WC-083						0	-0.05	-0.14233	49	-1.35	-7.28548	
84	Drum WC-084						0	-0.05	-0.14233	52	1.65	8.904479	

	INFORMATION	Direct Detector Measurement (Fixed Plus Removable)					Removable Activity						
Survey No:	5210-004-01	Inst. Model:			Inst. Model:			Inst. Model:	L-2929	Inst. Model:	L-43-10-1		
Date:	9/28/2010	Inst. S/N			Inst. S/N			Inst. S/N	137609	Inst. S/N	PR 182333		
Site	NFSS	Inst. Eff.:			Inst. Eff.:			Inst. Eff.:	0.3513	Inst. Eff.:	0.1853		
Technician	M.LaBanc	cpm, bkqd:			cpm, bkqd:			cpm, bkqd:	0.05	cpm, bkqd:	50.35		
Survey Type:	Informational	MDA			MDA			MDA	10.67398693	MDA	192.6894024		
Survey Location: Screw Building and Surrounding Area		ALPHA		BETA / GAMMA			ALPHA		BETA / GAMMA				
Survey Item: Drums +Three Poly Tanks		Direct Detector Measurement (Fixed Plus Removable)					Removable Activity						
No	Survey Location	Gross Alpha cpm	Net Alpha cpm	Alpha dpm / 100cm ²	Gross Beta/ Gamma cpm	Net Beta/ Gamma cpm	Beta / Gamma dpm / 100cm ²	Gross Alpha cpm	Net Alpha cpm	Alpha dpm / 100cm ²	Gross Beta/ Gamma cpm	Net Beta/ Gamma cpm	Beta / Gamma dpm / 100cm ²
85	Drum WC-085						1	0.95	2.704241	48	-2.35	-12.6821	
86	Drum WC-086						0	-0.05	-0.14233	54	3.65	19.69779	
87	Drum WC-087						2	1.95	5.550811	57	6.65	35.88775	
88	Drum WC-088						1	0.95	2.704241	50	-0.35	-1.88883	
89	Drum WC-089						1	0.95	2.704241	57	6.65	35.88775	
90	Drum WC-090						0	-0.05	-0.14233	51	0.65	3.507825	
91	Drum WC-091						1	0.95	2.704241	53	2.65	14.30113	
92	Drum WC-092						0	-0.05	-0.14233	58	7.65	41.2844	
93	Drum WC-093						1	0.95	2.704241	46	-4.35	-23.4754	
94	Drum WC-094						0	-0.05	-0.14233	52	1.65	8.904479	
95	Drum WC-095						0	-0.05	-0.14233	55	4.65	25.09444	
96	Drum WC-096						1	0.95	2.704241	49	-1.35	-7.28548	
97	Drum WC-097						0	-0.05	-0.14233	50	-0.35	-1.88883	
98	Drum WC-098						0	-0.05	-0.14233	54	3.65	19.69779	

	INFORMATION	Direct Detector Measurement (Fixed Plus Removable)					Removable Activity						
Survey No:	5210-004-01	Inst. Model:			Inst. Model:			Inst. Model:	L-2929	Inst. Model:	L-43-10-1		
Date:	9/28/2010	Inst. S/N			Inst. S/N			Inst. S/N	137609	Inst. S/N	PR 182333		
Site	NFSS	Inst. Eff.:			Inst. Eff.:			Inst. Eff.:	0.3513	Inst. Eff.:	0.1853		
Technician	M.LaBanc	cpm, bkqd:			cpm, bkqd:			cpm, bkqd:	0.05	cpm, bkqd:	50.35		
Survey Type:	Informational	MDA			MDA			MDA	10.67398693	MDA	192.6894024		
Survey Location: Screw Building and Surrounding Area		ALPHA		BETA / GAMMA			ALPHA		BETA / GAMMA				
Survey Item: Drums +Three Poly Tanks		Direct Detector Measurement (Fixed Plus Removable)					Removable Activity						
No	Survey Location	Gross Alpha cpm	Net Alpha cpm	Alpha dpm / 100cm ²	Gross Beta/ Gamma cpm	Net Beta/ Gamma cpm	Beta / Gamma dpm / 100cm ²	Gross Alpha cpm	Net Alpha cpm	Alpha dpm / 100cm ²	Gross Beta/ Gamma cpm	Net Beta/ Gamma cpm	Beta / Gamma dpm / 100cm ²
99	Drum WC-099						0	-0.05	-0.14233	58	7.65	41.2844	
100	Drum WC-100						2	1.95	5.550811	50	-0.35	-1.88883	
101	Drum WC-101						0	-0.05	-0.14233	53	2.65	14.30113	
102	Drum WC-102						1	0.95	2.704241	53	2.65	14.30113	
103	Drum WC-103						0	-0.05	-0.14233	53	2.65	14.30113	
104	Drum WC-104						0	-0.05	-0.14233	48	-2.35	-12.6821	
105	Drum WC-105						1	0.95	2.704241	51	0.65	3.507825	
106	Drum WC-106						0	-0.05	-0.14233	54	3.65	19.69779	
107	Drum WC-107						0	-0.05	-0.14233	41	-9.35	-50.4587	
108	Drum WC-108						0	-0.05	-0.14233	56	5.65	30.4911	
109	Drum WC-109						1	0.95	2.704241	50	-0.35	-1.88883	
110	Drum WC-110						0	-0.05	-0.14233	55	4.65	25.09444	
111	Drum WC-111						0	-0.05	-0.14233	52	1.65	8.904479	
112	Drum WC-112						0	-0.05	-0.14233	59	8.65	46.68106	

	INFORMATION	Direct Detector Measurement (Fixed Plus Removable)					Removable Activity						
Survey No:	5210-004-01	Inst. Model:			Inst. Model:			Inst. Model:	L-2929	Inst. Model:	L-43-10-1		
Date:	9/28/2010	Inst. S/N			Inst. S/N			Inst. S/N	137609	Inst. S/N	PR 182333		
Site	NFSS	Inst. Eff.:			Inst. Eff.:			Inst. Eff.:	0.3513	Inst. Eff.:	0.1853		
Technician	M.LaBanc	cpm, bkqd:			cpm, bkqd:			cpm, bkqd:	0.05	cpm, bkqd:	50.35		
Survey Type:	Informational	MDA			MDA			MDA	10.67398693	MDA	192.6894024		
Survey Location: Screw Building and Surrounding Area		ALPHA			BETA / GAMMA			ALPHA		BETA / GAMMA			
Survey Item: Drums +Three Poly Tanks		Direct Detector Measurement (Fixed Plus Removable)					Removable Activity						
No	Survey Location	Gross Alpha cpm	Net Alpha cpm	Alpha dpm / 100cm ²	Gross Beta/ Gamma cpm	Net Beta/ Gamma cpm	Beta / Gamma dpm / 100cm ²	Gross Alpha cpm	Net Alpha cpm	Alpha dpm / 100cm ²	Gross Beta/ Gamma cpm	Net Beta/ Gamma cpm	Beta / Gamma dpm / 100cm ²
113	Drum WC-113						1	0.95	2.704241	50	-0.35	-1.88883	
114	Drum WC-114						0	-0.05	-0.14233	47	-3.35	-18.0788	
115	Drum WC-115						0	-0.05	-0.14233	50	-0.35	-1.88883	
116	Drum WC-116						2	1.95	5.550811	53	2.65	14.30113	
117	Drum WC-117						0	-0.05	-0.14233	50	-0.35	-1.88883	
118	Drum WC-118						0	-0.05	-0.14233	58	7.65	41.2844	
119	Drum WC-119						2	1.95	5.550811	54	3.65	19.69779	
120	Drum WC-120						2	1.95	5.550811	51	0.65	3.507825	
121	Drum WC-121						2	1.95	5.550811	57	6.65	35.88775	
122	Drum WC-122						1	0.95	2.704241	50	-0.35	-1.88883	
123	Drum WC-123						0	-0.05	-0.14233	54	3.65	19.69779	
124	Drum WC-124						1	0.95	2.704241	56	5.65	30.4911	
125	Drum WC-125						1	0.95	2.704241	51	0.65	3.507825	
126	Drum WC-126						0	-0.05	-0.14233	54	3.65	19.69779	

	INFORMATION	Direct Detector Measurement (Fixed Plus Removable)					Removable Activity						
Survey No:	5210-004-01	Inst. Model:			Inst. Model:			Inst. Model:	L-2929	Inst. Model:	L-43-10-1		
Date:	9/28/2010	Inst. S/N			Inst. S/N			Inst. S/N	137609	Inst. S/N	PR 182333		
Site	NFSS	Inst. Eff.:			Inst. Eff.:			Inst. Eff.:	0.3513	Inst. Eff.:	0.1853		
Technician	M.LaBanc	cpm, bkqd:			cpm, bkqd:			cpm, bkqd:	0.05	cpm, bkqd:	50.35		
Survey Type:	Informational	MDA			MDA			MDA	10.67398693	MDA	192.6894024		
Survey Location: Screw Building and Surrounding Area		ALPHA			BETA / GAMMA			ALPHA		BETA / GAMMA			
Survey Item: Drums +Three Poly Tanks		Direct Detector Measurement (Fixed Plus Removable)					Removable Activity						
No	Survey Location	Gross Alpha cpm	Net Alpha cpm	Alpha dpm / 100cm ²	Gross Beta/ Gamma cpm	Net Beta/ Gamma cpm	Beta / Gamma dpm / 100cm ²	Gross Alpha cpm	Net Alpha cpm	Alpha dpm / 100cm ²	Gross Beta/ Gamma cpm	Net Beta/ Gamma cpm	Beta / Gamma dpm / 100cm ²
127	Drum WC-127						0	-0.05	-0.14233	56	5.65	30.4911	
128	Drum WC-128						0	-0.05	-0.14233	60	9.65	52.07771	
129	Drum WC-129						2	1.95	5.550811	53	2.65	14.30113	
130	Drum WC-130						0	-0.05	-0.14233	57	6.65	35.88775	
131	Drum WC-131						0	-0.05	-0.14233	48	-2.35	-12.6821	
132	Drum WC-132						1	0.95	2.704241	50	-0.35	-1.88883	
133	Drum WC-133						0	-0.05	-0.14233	57	6.65	35.88775	
134	Drum WC-134						0	-0.05	-0.14233	52	1.65	8.904479	
135	Drum WC-135						1	0.95	2.704241	55	4.65	25.09444	
136	Drum WC-136						0	-0.05	-0.14233	50	-0.35	-1.88883	
137	Drum WC-137						0	-0.05	-0.14233	54	3.65	19.69779	
138	Drum WC-138						1	0.95	2.704241	50	-0.35	-1.88883	
139	Drum WC-139						1	0.95	2.704241	52	1.65	8.904479	
140	Drum WC-140						1	0.95	2.704241	58	7.65	41.2844	

	INFORMATION	Direct Detector Measurement (Fixed Plus Removable)					Removable Activity						
Survey No:	5210-004-01	Inst. Model:			Inst. Model:			Inst. Model:	L-2929	Inst. Model:	L-43-10-1		
Date:	9/28/2010	Inst. S/N			Inst. S/N			Inst. S/N	137609	Inst. S/N	PR 182333		
Site	NFSS	Inst. Eff.:			Inst. Eff.:			Inst. Eff.:	0.3513	Inst. Eff.:	0.1853		
Technician	M.LaBanc	cpm, bkqd:			cpm, bkqd:			cpm, bkqd:	0.05	cpm, bkqd:	50.35		
Survey Type:	Informational	MDA			MDA			MDA	10.67398693	MDA	192.6894024		
Survey Location: Screw Building and Surrounding Area		ALPHA		BETA / GAMMA			ALPHA		BETA / GAMMA				
Survey Item: Drums +Three Poly Tanks		Direct Detector Measurement (Fixed Plus Removable)					Removable Activity						
No	Survey Location	Gross Alpha cpm	Net Alpha cpm	Alpha dpm / 100cm ²	Gross Beta/ Gamma cpm	Net Beta/ Gamma cpm	Beta / Gamma dpm / 100cm ²	Gross Alpha cpm	Net Alpha cpm	Alpha dpm / 100cm ²	Gross Beta/ Gamma cpm	Net Beta/ Gamma cpm	Beta / Gamma dpm / 100cm ²
141	Drum WC-141						2	1.95	5.550811	56	5.65	30.4911	
142	Drum WC-142						1	0.95	2.704241	51	0.65	3.507825	
143	Drum WC-143						0	-0.05	-0.14233	49	-1.35	-7.28548	
144	Drum WC-144						2	1.95	5.550811	53	2.65	14.30113	
145	Drum WC-145						0	-0.05	-0.14233	50	-0.35	-1.88883	
146	Drum WC-146						1	0.95	2.704241	45	-5.35	-28.8721	
147	Drum WC-147						0	-0.05	-0.14233	49	-1.35	-7.28548	
148	Drum WC-148						1	0.95	2.704241	59	8.65	46.68106	
149	Drum WC-149						1	0.95	2.704241	51	0.65	3.507825	
150	Drum WC-150						1	0.95	2.704241	55	4.65	25.09444	
151	Drum WC-151						0	-0.05	-0.14233	58	7.65	41.2844	
152	Drum WC-152						0	-0.05	-0.14233	59	8.65	46.68106	
153	Drum WC-153						0	-0.05	-0.14233	48	-2.35	-12.6821	
154	Drum WC-154						0	-0.05	-0.14233	53	2.65	14.30113	

	INFORMATION	Direct Detector Measurement (Fixed Plus Removable)					Removable Activity						
Survey No:	5210-004-01	Inst. Model:			Inst. Model:			Inst. Model:	L-2929	Inst. Model:	L-43-10-1		
Date:	9/28/2010	Inst. S/N			Inst. S/N			Inst. S/N	137609	Inst. S/N	PR 182333		
Site	NFSS	Inst. Eff.:			Inst. Eff.:			Inst. Eff.:	0.3513	Inst. Eff.:	0.1853		
Technician	M.LaBanc	cpm, bkqd:			cpm, bkqd:			cpm, bkqd:	0.05	cpm, bkqd:	50.35		
Survey Type:	Informational	MDA			MDA			MDA	10.67398693	MDA	192.6894024		
Survey Location: Screw Building and Surrounding Area		ALPHA		BETA / GAMMA			ALPHA		BETA / GAMMA				
Survey Item: Drums +Three Poly Tanks		Direct Detector Measurement (Fixed Plus Removable)					Removable Activity						
No	Survey Location	Gross Alpha cpm	Net Alpha cpm	Alpha dpm / 100cm ²	Gross Beta/ Gamma cpm	Net Beta/ Gamma cpm	Beta / Gamma dpm / 100cm ²	Gross Alpha cpm	Net Alpha cpm	Alpha dpm / 100cm ²	Gross Beta/ Gamma cpm	Net Beta/ Gamma cpm	Beta / Gamma dpm / 100cm ²
155	Drum WC-155							1	0.95	2.704241	58	7.65	41.2844
156	Drum WC-156							0	-0.05	-0.14233	52	1.65	8.904479
157	Drum WC-157							0	-0.05	-0.14233	49	-1.35	-7.28548
158	Drum WC-158							2	1.95	5.550811	57	6.65	35.88775
159	Drum WC-159							0	-0.05	-0.14233	50	-0.35	-1.88883
160	Drum WC-160							1	0.95	2.704241	54	3.65	19.69779
161	Drum WC-161							1	0.95	2.704241	51	0.65	3.507825
162	Drum WC-162							1	0.95	2.704241	47	-3.35	-18.0788
163	Drum WC-163							0	-0.05	-0.14233	50	-0.35	-1.88883
164	Drum WC-164							1	0.95	2.704241	55	4.65	25.09444
165	Drum WC-165							0	-0.05	-0.14233	58	7.65	41.2844
166	Drum WC-166							1	0.95	2.704241	52	1.65	8.904479
167	Drum WC-179							0	-0.05	-0.14233	55	4.65	25.09444
168	Drum WC-180							1	0.95	2.704241	53	2.65	14.30113

	INFORMATION	Direct Detector Measurement (Fixed Plus Removable)					Removable Activity						
Survey No:	5210-004-01	Inst. Model:			Inst. Model:			Inst. Model:	L-2929	Inst. Model:	L-43-10-1		
Date:	9/28/2010	Inst. S/N			Inst. S/N			Inst. S/N	137609	Inst. S/N	PR 182333		
Site	NFSS	Inst. Eff.:			Inst. Eff.:			Inst. Eff.:	0.3513	Inst. Eff.:	0.1853		
Technician	M.LaBanc	cpm, bkqd:			cpm, bkqd:			cpm, bkqd:	0.05	cpm, bkqd:	50.35		
Survey Type:	Informational	MDA			MDA			MDA	10.67398693	MDA	192.6894024		
Survey Location: Screw Building and Surrounding Area		ALPHA		BETA / GAMMA			ALPHA		BETA / GAMMA				
Survey Item: Drums +Three Poly Tanks		Direct Detector Measurement (Fixed Plus Removable)					Removable Activity						
No	Survey Location	Gross Alpha cpm	Net Alpha cpm	Alpha dpm / 100cm ²	Gross Beta/ Gamma cpm	Net Beta/ Gamma cpm	Beta / Gamma dpm / 100cm ²	Gross Alpha cpm	Net Alpha cpm	Alpha dpm / 100cm ²	Gross Beta/ Gamma cpm	Net Beta/ Gamma cpm	Beta / Gamma dpm / 100cm ²
169	Drum WC-181							1	0.95	2.704241	59	8.65	46.68106
170	Drum WC-182							0	-0.05	-0.14233	56	5.65	30.4911
171	Drum WC-183							1	0.95	2.704241	54	3.65	19.69779
172	Drum WC-184							1	0.95	2.704241	50	-0.35	-1.88883
173	Drum WC-185							0	-0.05	-0.14233	55	4.65	25.09444
174	Drum WC-186							0	-0.05	-0.14233	62	11.65	62.87102
175	Drum WC-187							2	1.95	5.550811	49	-1.35	-7.28548
176	Drum WC-188							0	-0.05	-0.14233	47	-3.35	-18.0788
177	Drum WC-189							1	0.95	2.704241	50	-0.35	-1.88883
178	Drum WC-190							0	-0.05	-0.14233	47	-3.35	-18.0788
179	Drum WC-191							0	-0.05	-0.14233	49	-1.35	-7.28548
180	Drum WC-192							0	-0.05	-0.14233	55	4.65	25.09444
181	Drum WC-193							1	0.95	2.704241	50	-0.35	-1.88883
182	Drum WC-194							0	-0.05	-0.14233	53	2.65	14.30113

	INFORMATION	Direct Detector Measurement (Fixed Plus Removable)					Removable Activity						
Survey No:	5210-004-01	Inst. Model:			Inst. Model:			Inst. Model:	L-2929	Inst. Model:	L-43-10-1		
Date:	9/28/2010	Inst. S/N			Inst. S/N			Inst. S/N	137609	Inst. S/N	PR 182333		
Site	NFSS	Inst. Eff.:			Inst. Eff.:			Inst. Eff.:	0.3513	Inst. Eff.:	0.1853		
Technician	M.LaBanc	cpm, bkqd:			cpm, bkqd:			cpm, bkqd:	0.05	cpm, bkqd:	50.35		
Survey Type:	Informational	MDA			MDA			MDA	10.67398693	MDA	192.6894024		
Survey Location: Screw Building and Surrounding Area		ALPHA		BETA / GAMMA			ALPHA		BETA / GAMMA				
Survey Item: Drums +Three Poly Tanks		Direct Detector Measurement (Fixed Plus Removable)					Removable Activity						
No	Survey Location	Gross Alpha cpm	Net Alpha cpm	Alpha dpm / 100cm ²	Gross Beta/ Gamma cpm	Net Beta/ Gamma cpm	Beta / Gamma dpm / 100cm ²	Gross Alpha cpm	Net Alpha cpm	Alpha dpm / 100cm ²	Gross Beta/ Gamma cpm	Net Beta/ Gamma cpm	Beta / Gamma dpm / 100cm ²
183	Drum WC-195						0	-0.05	-0.14233	56	5.65	30.4911	
184	Drum WC-196						0	-0.05	-0.14233	51	0.65	3.507825	
185	Drum WC-197						0	-0.05	-0.14233	54	3.65	19.69779	
186	Drum WC-198						0	-0.05	-0.14233	58	7.65	41.2844	
187	Drum WC-199						0	-0.05	-0.14233	50	-0.35	-1.88883	
188	Drum WC-200						0	-0.05	-0.14233	51	0.65	3.507825	
189	Drum WC-201						0	-0.05	-0.14233	54	3.65	19.69779	
190	Drum WC-202						0	-0.05	-0.14233	51	0.65	3.507825	
191	Drum WC-203						0	-0.05	-0.14233	53	2.65	14.30113	
192	Drum WC-204						0	-0.05	-0.14233	50	-0.35	-1.88883	
193	Drum WC-205						1	0.95	2.704241	61	10.65	57.47437	
194	Drum WC-206						0	-0.05	-0.14233	54	3.65	19.69779	
195	Drum WC-207						0	-0.05	-0.14233	57	6.65	35.88775	
196	Drum WC-208						0	-0.05	-0.14233	48	-2.35	-12.6821	

	INFORMATION	Direct Detector Measurement (Fixed Plus Removable)					Removable Activity						
Survey No:	5210-004-01	Inst. Model:			Inst. Model:			Inst. Model:	L-2929	Inst. Model:	L-43-10-1		
Date:	9/28/2010	Inst. S/N			Inst. S/N			Inst. S/N	137609	Inst. S/N	PR 182333		
Site	NFSS	Inst. Eff.:			Inst. Eff.:			Inst. Eff.:	0.3513	Inst. Eff.:	0.1853		
Technician	M.LaBanc	cpm, bkqd:			cpm, bkqd:			cpm, bkqd:	0.05	cpm, bkqd:	50.35		
Survey Type:	Informational	MDA			MDA			MDA	10.67398693	MDA	192.6894024		
Survey Location: Screw Building and Surrounding Area		ALPHA		BETA / GAMMA			ALPHA		BETA / GAMMA				
Survey Item: Drums +Three Poly Tanks		Direct Detector Measurement (Fixed Plus Removable)					Removable Activity						
No	Survey Location	Gross Alpha cpm	Net Alpha cpm	Alpha dpm / 100cm ²	Gross Beta/ Gamma cpm	Net Beta/ Gamma cpm	Beta / Gamma dpm / 100cm ²	Gross Alpha cpm	Net Alpha cpm	Alpha dpm / 100cm ²	Gross Beta/ Gamma cpm	Net Beta/ Gamma cpm	Beta / Gamma dpm / 100cm ²
197	Drum WC-209						0	-0.05	-0.14233	52	1.65	8.904479	
198	Drum WC-210						0	-0.05	-0.14233	55	4.65	25.09444	
199	Drum WC-211						1	0.95	2.704241	51	0.65	3.507825	
200	Drum WC-212						2	1.95	5.550811	49	-1.35	-7.28548	
201	Drum WC-213						2	1.95	5.550811	46	-4.35	-23.4754	
202	Drum WC-214						0	-0.05	-0.14233	56	5.65	30.4911	
203	Drum WC-215						1	0.95	2.704241	52	1.65	8.904479	
204	Drum WC-216						0	-0.05	-0.14233	55	4.65	25.09444	
205	Drum WC-217						0	-0.05	-0.14233	52	1.65	8.904479	
206	Drum WC-218						1	0.95	2.704241	50	-0.35	-1.88883	
207	Drum WC-219						0	-0.05	-0.14233	57	6.65	35.88775	
208	Drum WC-220						0	-0.05	-0.14233	50	-0.35	-1.88883	
209	Drum WC-221						0	-0.05	-0.14233	60	9.65	52.07771	
210	Drum WC-222						0	-0.05	-0.14233	54	3.65	19.69779	

	INFORMATION	Direct Detector Measurement (Fixed Plus Removable)					Removable Activity						
Survey No:	5210-004-01	Inst. Model:			Inst. Model:			Inst. Model:	L-2929	Inst. Model:	L-43-10-1		
Date:	9/28/2010	Inst. S/N			Inst. S/N			Inst. S/N	137609	Inst. S/N	PR 182333		
Site	NFSS	Inst. Eff.:			Inst. Eff.:			Inst. Eff.:	0.3513	Inst. Eff.:	0.1853		
Technician	M.LaBanc	cpm, bkqd:			cpm, bkqd:			cpm, bkqd:	0.05	cpm, bkqd:	50.35		
Survey Type:	Informational	MDA			MDA			MDA	10.67398693	MDA	192.6894024		
Survey Location: Screw Building and Surrounding Area		ALPHA		BETA / GAMMA			ALPHA		BETA / GAMMA				
Survey Item: Drums +Three Poly Tanks		Direct Detector Measurement (Fixed Plus Removable)					Removable Activity						
No	Survey Location	Gross Alpha cpm	Net Alpha cpm	Alpha dpm / 100cm ²	Gross Beta/ Gamma cpm	Net Beta/ Gamma cpm	Beta / Gamma dpm / 100cm ²	Gross Alpha cpm	Net Alpha cpm	Alpha dpm / 100cm ²	Gross Beta/ Gamma cpm	Net Beta/ Gamma cpm	Beta / Gamma dpm / 100cm ²
211	Drum WC-223						0	-0.05	-0.14233	50	-0.35	-1.88883	
212	Drum WC-226						1	0.95	2.704241	59	8.65	46.68106	
213	Drum WC-600						0	-0.05	-0.14233	47	-3.35	-18.0788	
214	Drum WC-601						1	0.95	2.704241	50	-0.35	-1.88883	
215	Drum WC-602						0	-0.05	-0.14233	53	2.65	14.30113	
216	Drum WC-603						0	-0.05	-0.14233	50	-0.35	-1.88883	
217	Drum WC-604						0	-0.05	-0.14233	55	4.65	25.09444	
218	Drum WC-605						1	0.95	2.704241	58	7.65	41.2844	
219	Drum WC-606						0	-0.05	-0.14233	52	1.65	8.904479	
220	Drum WC-607						0	-0.05	-0.14233	55	4.65	25.09444	
221	Drum WC-608						0	-0.05	-0.14233	48	-2.35	-12.6821	
222	Drum WC-609						0	-0.05	-0.14233	56	5.65	30.4911	
223	Drum WC-610						0	-0.05	-0.14233	56	5.65	30.4911	
224	Drum WC-611						1	0.95	2.704241	53	2.65	14.30113	

	INFORMATION	Direct Detector Measurement (Fixed Plus Removable)					Removable Activity						
Survey No:	5210-004-01	Inst. Model:			Inst. Model:			Inst. Model:	L-2929	Inst. Model:	L-43-10-1		
Date:	9/28/2010	Inst. S/N			Inst. S/N			Inst. S/N	137609	Inst. S/N	PR 182333		
Site	NFSS	Inst. Eff.:			Inst. Eff.:			Inst. Eff.:	0.3513	Inst. Eff.:	0.1853		
Technician	M.LaBanc	cpm, bkqd:			cpm, bkqd:			cpm, bkqd:	0.05	cpm, bkqd:	50.35		
Survey Type:	Informational	MDA			MDA			MDA	10.67398693	MDA	192.6894024		
Survey Location: Screw Building and Surrounding Area		ALPHA		BETA / GAMMA			ALPHA		BETA / GAMMA				
Survey Item: Drums +Three Poly Tanks		Direct Detector Measurement (Fixed Plus Removable)					Removable Activity						
No	Survey Location	Gross Alpha cpm	Net Alpha cpm	Alpha dpm / 100cm ²	Gross Beta/ Gamma cpm	Net Beta/ Gamma cpm	Beta / Gamma dpm / 100cm ²	Gross Alpha cpm	Net Alpha cpm	Alpha dpm / 100cm ²	Gross Beta/ Gamma cpm	Net Beta/ Gamma cpm	Beta / Gamma dpm / 100cm ²
225	Drum WC-612						0	-0.05	-0.14233	50	-0.35	-1.88883	
226	Drum WC-613						0	-0.05	-0.14233	52	1.65	8.904479	
227	Drum WC-614						0	-0.05	-0.14233	57	6.65	35.88775	
228	Drum WC-615						2	1.95	5.550811	54	3.65	19.69779	
229	Drum WC-616						0	-0.05	-0.14233	56	5.65	30.4911	
230	Drum WC-617						0	-0.05	-0.14233	61	10.65	57.47437	
231	Drum WC-618						0	-0.05	-0.14233	53	2.65	14.30113	
232	Drum WC-619						1	0.95	2.704241	57	6.65	35.88775	
233	Drum WC-620						0	-0.05	-0.14233	50	-0.35	-1.88883	
234	Drum WC-621						0	-0.05	-0.14233	55	4.65	25.09444	
235	Drum WC-622						0	-0.05	-0.14233	52	1.65	8.904479	
236	Drum WC-623						0	-0.05	-0.14233	59	8.65	46.68106	
237	Drum WC-624						0	-0.05	-0.14233	57	6.65	35.88775	
238	Drum WC-625						1	0.95	2.704241	45	-5.35	-28.8721	

	INFORMATION	Direct Detector Measurement (Fixed Plus Removable)					Removable Activity						
Survey No:	5210-004-01	Inst. Model:			Inst. Model:			Inst. Model:	L-2929	Inst. Model:	L-43-10-1		
Date:	9/28/2010	Inst. S/N			Inst. S/N			Inst. S/N	137609	Inst. S/N	PR 182333		
Site	NFSS	Inst. Eff.:			Inst. Eff.:			Inst. Eff.:	0.3513	Inst. Eff.:	0.1853		
Technician	M.LaBanc	cpm, bkqd:			cpm, bkqd:			cpm, bkqd:	0.05	cpm, bkqd:	50.35		
Survey Type:	Informational	MDA			MDA			MDA	10.67398693	MDA	192.6894024		
Survey Location: Screw Building and Surrounding Area		ALPHA		BETA / GAMMA			ALPHA		BETA / GAMMA				
Survey Item: Drums +Three Poly Tanks		Direct Detector Measurement (Fixed Plus Removable)					Removable Activity						
No	Survey Location	Gross Alpha cpm	Net Alpha cpm	Alpha dpm / 100cm ²	Gross Beta/ Gamma cpm	Net Beta/ Gamma cpm	Beta / Gamma dpm / 100cm ²	Gross Alpha cpm	Net Alpha cpm	Alpha dpm / 100cm ²	Gross Beta/ Gamma cpm	Net Beta/ Gamma cpm	Beta / Gamma dpm / 100cm ²
239	Drum WC-626						0	-0.05	-0.14233	49	-1.35	-7.28548	
240	Drum WC-627						1	0.95	2.704241	51	0.65	3.507825	
241	Drum WC-628						1	0.95	2.704241	55	4.65	25.09444	
242	Drum WC-629						1	0.95	2.704241	53	2.65	14.30113	
243	Drum WC-630						0	-0.05	-0.14233	62	11.65	62.87102	
244	Drum WC-631						2	1.95	5.550811	47	-3.35	-18.0788	
245	Drum WC-632						0	-0.05	-0.14233	53	2.65	14.30113	
246	Drum WC-633						1	0.95	2.704241	54	3.65	19.69779	
247	Drum WC-634						0	-0.05	-0.14233	58	7.65	41.2844	
248	Drum WC-635						1	0.95	2.704241	50	-0.35	-1.88883	
249	Drum WC-636						0	-0.05	-0.14233	53	2.65	14.30113	
250	Drum WC-637						1	0.95	2.704241	58	7.65	41.2844	
251	Drum WC-638						1	0.95	2.704241	52	1.65	8.904479	
252	Drum WC-639						1	0.95	2.704241	49	-1.35	-7.28548	

	INFORMATION	Direct Detector Measurement (Fixed Plus Removable)					Removable Activity						
Survey No:	5210-004-01	Inst. Model:			Inst. Model:			Inst. Model:	L-2929	Inst. Model:	L-43-10-1		
Date:	9/28/2010	Inst. S/N			Inst. S/N			Inst. S/N	137609	Inst. S/N	PR 182333		
Site	NFSS	Inst. Eff.:			Inst. Eff.:			Inst. Eff.:	0.3513	Inst. Eff.:	0.1853		
Technician	M.LaBanc	cpm, bkqd:			cpm, bkqd:			cpm, bkqd:	0.05	cpm, bkqd:	50.35		
Survey Type:	Informational	MDA			MDA			MDA	10.67398693	MDA	192.6894024		
Survey Location: Screw Building and Surrounding Area		ALPHA		BETA / GAMMA			ALPHA		BETA / GAMMA				
Survey Item: Drums +Three Poly Tanks		Direct Detector Measurement (Fixed Plus Removable)					Removable Activity						
No	Survey Location	Gross Alpha cpm	Net Alpha cpm	Alpha dpm / 100cm ²	Gross Beta/ Gamma cpm	Net Beta/ Gamma cpm	Beta / Gamma dpm / 100cm ²	Gross Alpha cpm	Net Alpha cpm	Alpha dpm / 100cm ²	Gross Beta/ Gamma cpm	Net Beta/ Gamma cpm	Beta / Gamma dpm / 100cm ²
253	Drum WC-640						0	-0.05	-0.14233	55	4.65	25.09444	
254	Drum WC-641						0	-0.05	-0.14233	51	0.65	3.507825	
255	Drum WC-642						0	-0.05	-0.14233	54	3.65	19.69779	
256	Drum WC-643						2	1.95	5.550811	50	-0.35	-1.88883	
257	Drum WC-644						0	-0.05	-0.14233	53	2.65	14.30113	
258	Drum WC-645						0	-0.05	-0.14233	58	7.65	41.2844	
259	Drum WC-646						0	-0.05	-0.14233	55	4.65	25.09444	
260	Poly Tank-1						1	0.95	2.704241	59	8.65	46.68106	
261	Poly Tank-1						0	-0.05	-0.14233	48	-2.35	-12.6821	
262	Poly Tank-1						3	2.95	8.397381	55	4.65	25.09444	
263	Poly Tank-2						1	0.95	2.704241	59	8.65	46.68106	
264	Poly Tank-2						2	1.95	5.550811	54	3.65	19.69779	
265	Poly Tank-2						2	1.95	5.550811	62	11.65	62.87102	
266	Poly Tank-3						0	-0.05	-0.14233	54	3.65	19.69779	

	INFORMATION	Direct Detector Measurement (Fixed Plus Removable)					Removable Activity						
Survey No:	5210-004-01	Inst. Model:			Inst. Model:			Inst. Model:	L-2929	Inst. Model:	L-43-10-1		
Date:	9/28/2010	Inst. S/N			Inst. S/N			Inst. S/N	137609	Inst. S/N	PR 182333		
Site	NFSS	Inst. Eff.:			Inst. Eff.:			Inst. Eff.:	0.3513	Inst. Eff.:	0.1853		
Technician	M.LaBanc	cpm, bkqd:			cpm, bkqd:			cpm, bkqd:	0.05	cpm, bkqd:	50.35		
Survey Type:	Informational	MDA			MDA			MDA	10.67398693	MDA	192.6894024		
Survey Location: Screw Building and Surrounding Area		ALPHA		BETA / GAMMA			ALPHA		BETA / GAMMA				
Survey Item: Drums +Three Poly Tanks		Direct Detector Measurement (Fixed Plus Removable)					Removable Activity						
No	Survey Location	Gross Alpha cpm	Net Alpha cpm	Alpha dpm / 100cm ²	Gross Beta/ Gamma cpm	Net Beta/ Gamma cpm	Beta / Gamma dpm / 100cm ²	Gross Alpha cpm	Net Alpha cpm	Alpha dpm / 100cm ²	Gross Beta/ Gamma cpm	Net Beta/ Gamma cpm	Beta / Gamma dpm / 100cm ²
267	Poly Tank-3							1	0.95	2.704241	57	6.65	35.88775
268	Poly Tank-3							0	-0.05	-0.14233	55	4.65	25.09444
269													
270													
271													
272													
273													
274													
275													
276													
277													
278													
279													
280													

	INFORMATION	Direct Dector Measurement (Fixed Plus Removable)				Removable Activity							
Survey No:	5210-004-02	Inst. Model:			Inst. Model:			Inst. Model:	L - 2929				
Date:	9/28/2010	Inst. S/N			Inst. S/N			Inst. S/N	137609				
Site	NFSS	Inst. Eff.:			Inst. Eff.:			Inst. Eff.:	0.3513				
Technician	M. LaBanc	ur, bkqd:			cpm, bkqd:			cpm, bkqd:	0.05				
Survey Type:	Informational	MDA			MDA			MDA	10.67398693				
Survey Location:Screw Building and Surrounding Ground		ALPHA		BETA / GAMMA		ALPHA		BETA / GAMMA					
Survey Item: LSA boxes		Direct Dector Measurement (Fixed Plus Removable)				Removable Activity							
No	Survey Location	Gross Alpha cpm	Net Alpha cpm	Alpha dpm / 100cm ²	Gross/ Beta Gamma cpm	Net Beta/ Gamma cpm	Beta / Gamma dpm / 100cm ²	Gross Alpha cpm	Net Alpha cpm	Alpha dpm / 100cm ²	Gross Beta/ Gamma cpm	Net Beta/ Gamma cpm	Beta / Gamma dpm / 100cm ²
1	LSA Box WC-167						0	-0.05	-0.14	57	6.65	35.89	
2	LSA Box WC-167						0	-0.05	-0.14	49	-1.35	-7.29	
3	LSA Box WC-168						0	-0.05	-0.14	55	4.65	25.09	
4	LSA Box WC-168						0	-0.05	-0.14	50	-0.35	-1.89	
5	LSA Box WC-169						1	0.95	2.70	51	0.65	3.51	
6	LSA Box WC-169						0	-0.05	-0.14	56	5.65	30.49	
7	LSA Box WC-170						0	-0.05	-0.14	52	1.65	8.90	
8	LSA Box WC-170						0	-0.05	-0.14	55	4.65	25.09	
9	LSA Box WC-171						0	-0.05	-0.14	50	-0.35	-1.89	
10	LSA Box WC-171						1	0.95	2.70	48	-2.35	-12.68	
11	LSA Box WC-172						0	-0.05	-0.14	53	2.65	14.30	
12	LSA Box WC-172						1	0.95	2.70	51	0.65	3.51	
13	LSA Box WC-173						1	0.95	2.70	57	6.65	35.89	
14	LSA Box WC-173						0	-0.05	-0.14	52	1.65	8.90	

	INFORMATION	Direct Dector Measurement (Fixed Plus Removable)				Removable Activity							
Survey No:	5210-004-02	Inst. Model:		Inst. Model:		Inst. Model:	L - 2929	Inst. Model:	L-43-10-1				
Date:	9/28/2010	Inst. S/N		Inst. S/N		Inst. S/N	137609	Inst. S/N	PR 142937				
Site	NFSS	Inst. Eff.:		Inst. Eff.:		Inst Eff.:	0.3513	Inst Eff.:	0.1853				
Technician	M. LaBanc	ur, bkqd:		cpm, bkqd:		cpm, bkqd:	0.05	cpm, bkqd:	50.35				
Survey Type:	Informational	MDA		MDA		MDA	10.67398693	MDA	192.6894024				
Survey Location: Screw Building and Surrounding Ground		ALPHA		BETA / GAMMA		ALPHA		BETA / GAMMA					
Survey Item: LSA boxes		Direct Dector Measurement (Fixed Plus Removable)				Removable Activity							
No	Survey Location	Gross Alpha cpm	Net Alpha cpm	Alpha dpm / 100cm ²	Gross/ Beta Gamma cpm	Net Beta/ Gamma cpm	Beta / Gamma dpm / 100cm ²	Gross Alpha cpm	Net Alpha cpm	Alpha dpm / 100cm ²	Gross Beta/ Gamma cpm	Net Beta/ Gamma cpm	Beta / Gamma dpm / 100cm ²
15	LSA Box WC-174						0	-0.05	-0.14	50	-0.35	-1.89	
16	LSA Box WC-174						0	-0.05	-0.14	47	-3.35	-18.08	
17	LSA Box WC-175						2	1.95	5.55	53	2.65	14.30	
18	LSA Box WC-175						0	-0.05	-0.14	56	5.65	30.49	
19	LSA Box WC-176						0	-0.05	-0.14	51	0.65	3.51	
20	LSA Box WC-176						0	-0.05	-0.14	54	3.65	19.70	
21	LSA Box WC-177						1	0.95	2.70	49	-1.35	-7.29	
22	LSA Box WC-177						0	-0.05	-0.14	49	-1.35	-7.29	
23	LSA Box WC-224						0	-0.05	-0.14	52	1.65	8.90	
24	LSA Box WC-224						0	-0.05	-0.14	55	4.65	25.09	
25	LSA Box WC-227						0	-0.05	-0.14	50	-0.35	-1.89	
26	LSA Box WC-227						0	-0.05	-0.14	53	2.65	14.30	
27	LSA Box CDB-1						1	0.95	2.70	51	0.65	3.51	
28	LSA Box CDB-1						0	-0.05	-0.14	54	3.65	19.70	

	INFORMATION	Direct Detector Measurement (Fixed Plus Removable)				Removable Activity							
Survey No:	5210-004-11	Inst. Model:	L-2224-1	Inst. Model:	L -43-89	Inst. Model:	L - 2929	Inst. Model:	L-43-10-1				
Date:	9/30/2010	Inst. S/N	154947	Inst. S/N	RN-013295	Inst. S/N	137609	Inst. S/N	142937				
Site	NFSS	Inst. Eff.:	0.1798	Inst. Eff.:	0.0763	Inst Eff.:	0.3605	Inst Eff.:	0.1844				
Technician	M. LaBanc	cpm, bkqd:	1	cpm, bkqd:	208	cpm, bkqd:	0.1	cpm, bkqd:	49.85				
Survey Type:	Incoming	MDA	40.93437152	MDA	914.4594197	MDA	11.59628048	MDA	192.7391951				
Survey Location: In Front of Screw Building		ALPHA		BETA / GAMMA		ALPHA		BETA / GAMMA					
Survey Item: Truck #425 and Trailer # VS-11 Water Tanker		Direct Dector Measurement (Fixed Plus Removable)				Removable Activity							
No	Survey Location	Gross Alpha cpm	Net Alpha cpm	Alpha dpm / 100cm ²	Gross/ Beta Gamma cpm	Net Beta/ Gamma cpm	Beta / Gamma dpm / 100cm ²	Gross Alpha cpm	Net Alpha cpm	Alpha dpm / 100cm ²	Gross Beta/ Gamma cpm	Net Beta/ Gamma cpm	Beta / Gamma dpm / 100cm ²
1	Tire	0	-1.00	-5.56	215	7.00	91.74	0	-0.10	-0.28	50	0.15	0.81
2	Tire	0	-1.00	-5.56	198	-10.00	-131.06	1	0.90	2.50	55	5.15	27.93
3	Trailer Outside	0	-1.00	-5.56	204	-4.00	-52.42	0	-0.10	-0.28	49	-0.85	-4.61
4	Trailer Outside	0	-1.00	-5.56	217	9.00	117.96	0	-0.10	-0.28	45	-4.85	-26.30
5	Cab	1	0.00	0.00	211	3.00	39.32	0	-0.10	-0.28	53	3.15	17.08
6	Tire	0	-1.00	-5.56	207	-1.00	-13.11	0	-0.10	-0.28	50	0.15	0.81
7	Tire	0	-1.00	-5.56	218	10.00	131.06	0	-0.10	-0.28	55	5.15	27.93
8	Trailer Outside	0	-1.00	-5.56	215	7.00	91.74	0	-0.10	-0.28	52	2.15	11.66
9	Trailer Outside	0	-1.00	-5.56	219	11.00	144.17	0	-0.10	-0.28	48	-1.85	-10.03
10	Hoses	2	1.00	5.56	208	0.00	0.00	0	-0.10	-0.28	49	-0.85	-4.61
11	Hoses	1	0.00	0.00	205	-3.00	-39.32	0	-0.10	-0.28	54	4.15	22.51
12	Hoses	0	-1.00	-5.56	208	0.00	0.00	0	-0.10	-0.28	50	0.15	0.81
13	Hoses	1	0.00	0.00	217	9.00	117.96	1	0.90	2.50	53	3.15	17.08
14	Hoses	0	-1.00	-5.56	210	2.00	26.21	0	-0.10	-0.28	56	6.15	33.35

	INFORMATION	Direct Detector Measurement (Fixed Plus Removable)					Removable Activity						
Survey No:	5210-004-03	Inst. Model:	L-2224-1	Inst. Model:	L -43-89	Inst. Model:	L - 2929	Inst. Model:	L-43-10-1				
Date:	9/29/2010	Inst. S/N	154947	Inst. S/N	RN-013295	Inst. S/N	137609	Inst. S/N	142937				
Site	NFSS	Inst. Eff.:	0.1742	Inst. Eff.:	0.0744	Inst. Eff.:	0.3467	Inst. Eff.:	0.1885				
Technician	M. LaBanc	cpm, bkqd:	1	cpm, bkqd:	213	cpm, bkqd:	0.05	cpm, bkqd:	50.65				
Survey Type:	Incoming	MDA	42.25028703	MDA	948.5822011	MDA	10.81560891	MDA	189.9389826				
Survey Location: In Front of Screw Building		ALPHA		BETA / GAMMA		ALPHA		BETA / GAMMA					
Survey Item: Truck #50084 and Trailer #740176		Direct Dector Measurement (Fixed Plus Removable)					Removable Activity						
No	Survey Location	Gross Alpha cpm	Net Alpha cpm	Alpha dpm / 100cm ²	Gross/ Beta Gamma cpm	Net Beta/ Gamma cpm	Beta / Gamma dpm / 100cm ²	Gross Alpha cpm	Net Alpha cpm	Alpha dpm / 100cm ²	Gross Beta/ Gamma cpm	Net Beta/ Gamma cpm	Beta / Gamma dpm / 100cm ²
1	Tire	0	-1.00	-5.74	212	-1.00	-13.44	0	-0.05	-0.14	53	2.35	12.47
2	Tire	1	0.00	0.00	225	12.00	161.29	0	-0.05	-0.14	57	6.35	33.69
3	Trailer Outside	1	0.00	0.00	215	2.00	26.88	1	0.95	2.74	49	-1.65	-8.75
4	Trailer Outside	0	-1.00	-5.74	207	-6.00	-80.65	0	-0.05	-0.14	51	0.35	1.86
5	Cab	1	0.00	0.00	215	2.00	26.88	0	-0.05	-0.14	55	4.35	23.08
6	Tire	0	-1.00	-5.74	199	-14.00	-188.17	0	-0.05	-0.14	52	1.35	7.16
7	Tire	0	-1.00	-5.74	206	-7.00	-94.09	0	-0.05	-0.14	48	-2.65	-14.06
8	Trailer Outside	1	0.00	0.00	218	5.00	67.20	0	-0.05	-0.14	51	0.35	1.86
9	Trailer Outside	0	-1.00	-5.74	213	0.00	0.00	0	-0.05	-0.14	54	3.35	17.77
10	Trailer Inside	2	1.00	5.74	208	-5.00	-67.20	0	-0.05	-0.14	52	1.35	7.16
11	Trailer Inside	0	-1.00	-5.74	220	7.00	94.09	0	-0.05	-0.14	56	5.35	28.38
12	Trailer Inside	1	0.00	0.00	215	2.00	26.88	1	0.95	2.74	47	-3.65	-19.36
13	Trailer Inside	0	-1.00	-5.74	210	-3.00	-40.32	0	-0.05	-0.14	55	4.35	23.08
14	Trailer Inside	1	0.00	0.00	207	-6.00	-80.65	0	-0.05	-0.14	53	2.35	12.47

		INFORMATION	Direct Detector Measurement (Fixed Plus Removable)				Removable Activity							
Survey No:		5210-004-05	Inst. Model:	L-2224-1	Inst. Model:	L -43-89	Inst. Model:	L - 2929	Inst. Model:	L-43-10-1				
Date:		9/29/2010	Inst. S/N	154947	Inst. S/N	RN-013295	Inst. S/N	137609	Inst. S/N	142937				
Site		NFSS	Inst. Eff.:	0.1742	Inst. Eff.:	0.0744	Inst Eff.:	0.3467	Inst Eff.:	0.1885				
Technician		M. LaBanc	cpm, bkqd:	1	cpm, bkqd:	213	cpm, bkqd:	0.05	cpm, bkqd:	50.65				
Survey Type:		Incoming	MDA	42.25028703	MDA	948.5822011	MDA	10.81560891	MDA	189.9389826				
Survey Location: In Front of Screw Building			ALPHA		BETA / GAMMA		ALPHA		BETA / GAMMA					
Survey Item: Truck #413056 and Trailer #63145			Direct Dector Measurement (Fixed Plus Removable)				Removable Activity							
No	Survey Location		Gross Alpha cpm	Net Alpha cpm	Alpha dpm / 100cm ²	Gross/ Beta Gamma cpm	Net Beta/ Gamma cpm	Beta / Gamma dpm / 100cm ²	Gross Alpha cpm	Net Alpha cpm	Alpha dpm / 100cm ²	Gross Beta/ Gamma cpm	Net Beta/ Gamma cpm	Beta / Gamma dpm / 100cm ²
1	Tire		0	-1.00	-5.74	222	9.00	120.97	0	-0.05	-0.14	49	-1.65	-8.75
2	Tire		0	-1.00	-5.74	217	4.00	53.76	0	-0.05	-0.14	53	2.35	12.47
3	Trailer Outside		0	-1.00	-5.74	208	-5.00	-67.20	0	-0.05	-0.14	55	4.35	23.08
4	Trailer Outside		1	0.00	0.00	218	5.00	67.20	0	-0.05	-0.14	50	-0.65	-3.45
5	Cab		1	0.00	0.00	205	-8.00	-107.53	0	-0.05	-0.14	50	-0.65	-3.45
6	Tire		0	-1.00	-5.74	213	0.00	0.00	0	-0.05	-0.14	47	-3.65	-19.36
7	Tire		0	-1.00	-5.74	219	6.00	80.65	1	0.95	2.74	53	2.35	12.47
8	Trailer Outside		0	-1.00	-5.74	205	-8.00	-107.53	0	-0.05	-0.14	56	5.35	28.38
9	Trailer Outside		2	1.00	5.74	226	13.00	174.73	0	-0.05	-0.14	49	-1.65	-8.75
10	Trailer Inside		1	0.00	0.00	217	4.00	53.76	0	-0.05	-0.14	50	-0.65	-3.45
11	Trailer Inside		1	0.00	0.00	219	6.00	80.65	0	-0.05	-0.14	54	3.35	17.77
12	Trailer Inside		0	-1.00	-5.74	202	-11.00	-147.85	0	-0.05	-0.14	49	-1.65	-8.75
13	Trailer Inside		1	0.00	0.00	205	-8.00	-107.53	2	1.95	5.62	54	3.35	17.77
14	Trailer Inside		1	0.00	0.00	218	5.00	67.20	0	-0.05	-0.14	51	0.35	1.86

	INFORMATION	Direct Detector Measurement (Fixed Plus Removable)				Removable Activity							
Survey No:	5210-004-07	Inst. Model:	L-2224-1	Inst. Model:	L -43-89	Inst. Model:	L - 2929	Inst. Model:	L-43-10-1				
Date:	9/30/2010	Inst. S/N	154947	Inst. S/N	RN-013295	Inst. S/N	137609	Inst. S/N	142937				
Site	NFSS	Inst. Eff.:	0.1798	Inst. Eff.:	0.0763	Inst Eff.:	0.3605	Inst Eff.:	0.1844				
Technician	M. LaBanc	cpm, bkqd:	1	cpm, bkqd:	208	cpm, bkqd:	0.1	cpm, bkqd:	49.85				
Survey Type:	Incoming	MDA	40.93437152	MDA	914.4594197	MDA	11.59628048	MDA	192.7391951				
Survey Location: In Front of Screw Building		ALPHA		BETA / GAMMA		ALPHA		BETA / GAMMA					
Survey Item: Truck #525795 and Trailer #30225		Direct Dector Measurement (Fixed Plus Removable)				Removable Activity							
No	Survey Location	Gross Alpha cpm	Net Alpha cpm	Alpha dpm / 100cm ²	Gross/ Beta Gamma cpm	Net Beta/ Gamma cpm	Beta / Gamma dpm / 100cm ²	Gross Alpha cpm	Net Alpha cpm	Alpha dpm / 100cm ²	Gross Beta/ Gamma cpm	Net Beta/ Gamma cpm	Beta / Gamma dpm / 100cm ²
1	Tire	0	-1.00	-5.56	218	10.00	131.06	1	0.90	2.50	55	5.15	27.93
2	Tire	0	-1.00	-5.56	220	12.00	157.27	0	-0.10	-0.28	46	-3.85	-20.88
3	Trailer Outside	0	-1.00	-5.56	217	9.00	117.96	0	-0.10	-0.28	49	-0.85	-4.61
4	Trailer Outside	1	0.00	0.00	224	16.00	209.70	0	-0.10	-0.28	46	-3.85	-20.88
5	Cab	0	-1.00	-5.56	202	-6.00	-78.64	1	0.90	2.50	51	1.15	6.24
6	Tire	0	-1.00	-5.56	210	2.00	26.21	0	-0.10	-0.28	54	4.15	22.51
7	Tire	1	0.00	0.00	219	11.00	144.17	0	-0.10	-0.28	50	0.15	0.81
8	Trailer Outside	2	1.00	5.56	213	5.00	65.53	2	1.90	5.27	53	3.15	17.08
9	Trailer Outside	0	-1.00	-5.56	205	-3.00	-39.32	1	0.90	2.50	48	-1.85	-10.03
10	Trailer Inside	1	0.00	0.00	216	8.00	104.85	1	0.90	2.50	55	5.15	27.93
11	Trailer Inside	0	-1.00	-5.56	219	11.00	144.17	0	-0.10	-0.28	52	2.15	11.66
12	Trailer Inside	0	-1.00	-5.56	204	-4.00	-52.42	0	-0.10	-0.28	49	-0.85	-4.61
13	Trailer Inside	1	0.00	0.00	209	1.00	13.11	0	-0.10	-0.28	47	-2.85	-15.46
14	Trailer Inside	0	-1.00	-5.56	216	8.00	104.85	1	0.90	2.50	51	1.15	6.24

		INFORMATION	Direct Detector Measurement (Fixed Plus Removable)					Removable Activity						
Survey No:		5210-004-09		Inst. Model:	L-2224-1	Inst. Model:	L -43-89	Inst. Model:	L - 2929	Inst. Model:	L-43-10-1			
Date:		9/30/2010		Inst. S/N	154947	Inst. S/N	RN-013295	Inst. S/N	137609	Inst. S/N	142937			
Site		NFSS		Inst. Eff.:	0.1798	Inst. Eff.:	0.0763	Inst. Eff.:	0.3605	Inst. Eff.:	0.1844			
Technician		M. LaBanc		cpm, bkqd:	1	cpm, bkqd:	208	cpm, bkqd:	0.1	cpm, bkqd:	49.85			
Survey Type:		Incoming		MDA	40.93437152	MDA	914.4594197	MDA	11.59628048	MDA	192.7391951			
Survey Location: In Front of Screw Building			ALPHA		BETA / GAMMA			ALPHA		BETA / GAMMA				
Survey Item: Truck #525795 and Trailer #729238 Flathed			Direct Dector Measurement (Fixed Plus Removable)						Removable Activity					
No	Survey Location		Gross Alpha cpm	Net Alpha cpm	Alpha dpm / 100cm ²	Gross/ Beta Gamma cpm	Net Beta/ Gamma cpm	Beta / Gamma dpm / 100cm ²	Gross Alpha cpm	Net Alpha cpm	Alpha dpm / 100cm ²	Gross Beta/ Gamma cpm	Net Beta/ Gamma cpm	Beta / Gamma dpm / 100cm ²
1	Tire		0	-1.00	-5.56	212	4.00	52.42	0	-0.10	-0.28	46	-3.85	-20.88
2	Tire		1	0.00	0.00	204	-4.00	-52.42	0	-0.10	-0.28	52	2.15	11.66
3	Trailer Outside		1	0.00	0.00	207	-1.00	-13.11	0	-0.10	-0.28	48	-1.85	-10.03
4	Trailer Outside		0	-1.00	-5.56	216	8.00	104.85	0	-0.10	-0.28	45	-4.85	-26.30
5	Cab		0	-1.00	-5.56	219	11.00	144.17	0	-0.10	-0.28	55	5.15	27.93
6	Tire		0	-1.00	-5.56	226	18.00	235.91	0	-0.10	-0.28	51	1.15	6.24
7	Tire		0	-1.00	-5.56	205	-3.00	-39.32	0	-0.10	-0.28	48	-1.85	-10.03
8	Trailer Outside		1	0.00	0.00	197	-11.00	-144.17	1	0.90	2.50	55	5.15	27.93
9	Trailer Outside		0	-1.00	-5.56	204	-4.00	-52.42	0	-0.10	-0.28	52	2.15	11.66
10	Trailer Outside		0	-1.00	-5.56	219	11.00	144.17	0	-0.10	-0.28	50	0.15	0.81
11	Trailer Outside		0	-1.00	-5.56	213	5.00	65.53	1	0.90	2.50	54	4.15	22.51
12	Trailer Outside		1	0.00	0.00	212	4.00	52.42	0	-0.10	-0.28	47	-2.85	-15.46
13	Trailer Outside		0	-1.00	-5.56	208	0.00	0.00	0	-0.10	-0.28	53	3.15	17.08
14	Trailer Outside		2	1.00	5.56	200	-8.00	-104.85	0	-0.10	-0.28	51	1.15	6.24

		INFORMATION	Direct Detector Measurement (Fixed Plus Removable)				Removable Activity							
Survey No:		5210-004-14	Inst. Model:	L-2224-1	Inst. Model:	L -43-89	Inst. Model:	L - 2929	Inst. Model:	L-43-10-1				
Date:		1/3/2011	Inst. S/N	154947	Inst. S/N	RN-013295	Inst. S/N	137609	Inst. S/N	142937				
Site		NFSS	Inst. Eff.:	0.1826	Inst. Eff.:	0.0752	Inst. Eff.:	0.3559	Inst. Eff.:	0.1858				
Technician		M. LaBanc	cpm, bkqd:	1	cpm, bkqd:	221	cpm, bkqd:	0.05	cpm, bkqd:	49.6				
Survey Type:		Incoming	MDA	40.30668127	MDA	955.2821765	MDA	10.53602588	MDA	190.8432689				
Survey Location: In Front of Screw Building			ALPHA		BETA / GAMMA		ALPHA		BETA / GAMMA					
Survey Item: Truck #552882 and Trailer # 814417			Direct Dector Measurement (Fixed Plus Removable)				Removable Activity							
No	Survey Location		Gross Alpha cpm	Net Alpha cpm	Alpha dpm / 100cm ²	Gross/ Beta Gamma cpm	Net Beta/ Gamma cpm	Beta / Gamma dpm / 100cm ²	Gross Alpha cpm	Net Alpha cpm	Alpha dpm / 100cm ²	Gross Beta/ Gamma cpm	Net Beta/ Gamma cpm	Beta / Gamma dpm / 100cm ²
1	Tire		1	0.00	0.00	214	-7.00	-93.09	0	-0.05	-0.14	46	-3.60	-19.38
2	Tire		1	0.00	0.00	229	8.00	106.38	0	-0.05	-0.14	49	-0.60	-3.23
3	Trailer Outside		0	-1.00	-5.48	218	-3.00	-39.89	0	-0.05	-0.14	47	-2.60	-13.99
4	Trailer Outside		0	-1.00	-5.48	209	-12.00	-159.57	0	-0.05	-0.14	55	5.40	29.06
5	Cab		0	-1.00	-5.48	206	-15.00	-199.47	0	-0.05	-0.14	49	-0.60	-3.23
6	Tire		0	-1.00	-5.48	220	-1.00	-13.30	1	0.95	2.67	51	1.40	7.53
7	Tire		2	1.00	5.48	227	6.00	79.79	0	-0.05	-0.14	54	4.40	23.68
8	Trailer Outside		0	-1.00	-5.48	222	1.00	13.30	0	-0.05	-0.14	49	-0.60	-3.23
9	Trailer Outside		0	-1.00	-5.48	217	-4.00	-53.19	0	-0.05	-0.14	53	3.40	18.30
10	Trailer Inside		0	-1.00	-5.48	221	0.00	0.00	0	-0.05	-0.14	57	7.40	39.83
11	Trailer Inside		0	-1.00	-5.48	212	-9.00	-119.68	0	-0.05	-0.14	50	0.40	2.15
12	Trailer Inside		1	0.00	0.00	218	-3.00	-39.89	0	-0.05	-0.14	52	2.40	12.92
13	Trailer Inside		0	-1.00	-5.48	227	6.00	79.79	0	-0.05	-0.14	47	-2.60	-13.99
14	Trailer Inside		0	-1.00	-5.48	221	0.00	0.00	0	-0.05	-0.14	52	2.40	12.92

	INFORMATION	Direct Dector Measurement (Fixed Plus Removable)				Removable Activity							
Survey No:	5210-004-12	Inst. Model:	See next page		Inst. Model:			Inst. Model:	L - 2929				
Date:	9/30/2010	Inst. S/N	for dose rates		Inst. S/N			Inst. S/N	137609				
Site	NFSS	Inst. Eff.:			Inst. Eff.:			Inst. Eff.:	0.3605				
Technician	M. LaBanc	ur, bkqd:			cpm, bkqd:			cpm, bkqd:	0.1				
Survey Type:	Release	MDA			MDA			MDA	11.59628048				
Survey Location: In Front of Screw Building		ALPHA		BETA / GAMMA		ALPHA		BETA / GAMMA					
Survey Item: Truck #425 and Trailer #VS-11 Water Tanker		Direct Dector Measurement (Fixed Plus Removable)				Removable Activity							
No	Survey Location	Gross Alpha cpm	Net Alpha cpm	Alpha dpm / 100cm ²	Gross/ Beta Gamma cpm	Net Beta/ Gamma cpm	Beta / Gamma dpm / 100cm ²	Gross Alpha cpm	Net Alpha cpm	Alpha dpm / 100cm ²	Gross Beta/ Gamma cpm	Net Beta/ Gamma cpm	Beta / Gamma dpm / 100cm ²
1	Tire						0	-0.10	-0.28	49	-0.85	-4.61	
2	Trailer						0	-0.10	-0.28	46	-3.85	-20.88	
3	Trailer						1	0.90	2.50	51	1.15	6.24	
4	Tire						0	-0.10	-0.28	54	4.15	22.51	
5	Trailer						0	-0.10	-0.28	48	-1.85	-10.03	
6	Cab						0	-0.10	-0.28	52	2.15	11.66	
7	Tire						0	-0.10	-0.28	57	7.15	38.77	
8	Tire						0	-0.10	-0.28	52	2.15	11.66	
9	Trailer						0	-0.10	-0.28	49	-0.85	-4.61	
10	Tire						1	0.90	2.50	51	1.15	6.24	
11	Trailer						0	-0.10	-0.28	47	-2.85	-15.46	
12	Trailer						0	-0.10	-0.28	50	0.15	0.81	
13	Tire						1	0.90	2.50	48	-1.85	-10.03	
14	Trailer						0	-0.10	-0.28	53	3.15	17.08	

INFORMATION		Direct Dector Measurement (Fixed Plus Removable)					Removable Activity										
Survey No:	5210-004-04	Inst. Model:	See next page		Inst. Model:			Inst. Model:	L - 2929		Inst. Model:	L-43-10-1					
Date:	9/29/2010	Inst. S/N	for dose rates		Inst. S/N			Inst. S/N	137609		Inst. S/N	PR 142937					
Site	NFSS	Inst. Eff.:			Inst. Eff.:			Inst. Eff.:	0.3467		Inst. Eff.:	0.1885					
Technician	M. LaBanc	ur, bkqd:			cpm, bkqd:			cpm, bkqd:	0.05		cpm, bkqd:	50.65					
Survey Type:	Release	MDA			MDA			MDA	10.81560891		MDA	189.9389826					
Survey Location: In Front of Screw Building		ALPHA			BETA / GAMMA			ALPHA			BETA / GAMMA						
Survey Item: Truck #50084 and Trailer #740176		Direct Dector Measurement (Fixed Plus Removable)					Removable Activity										
No	Survey Location	Gross Alpha cpm	Net Alpha cpm	Alpha dpm / 100cm ²	Gross/ Beta Gamma cpm	Net Beta/ Gamma cpm	Beta / Gamma dpm / 100cm ²	Gross Alpha cpm	Net Alpha cpm	Alpha dpm / 100cm ²	Gross Beta/ Gamma cpm	Net Beta/ Gamma cpm	Beta / Gamma dpm / 100cm ²				
1	Tire						0	-0.05	-0.14	53	2.35	12.47					
2	Trailer						0	-0.05	-0.14	57	6.35	33.69					
3	Trailer						1	0.95	2.74	49	-1.65	-8.75					
4	Tire						0	-0.05	-0.14	51	0.35	1.86					
5	Trailer						0	-0.05	-0.14	55	4.35	23.08					
6	Cab						0	-0.05	-0.14	52	1.35	7.16					
7	Tire						0	-0.05	-0.14	48	-2.65	-14.06					
8	Tire						0	-0.05	-0.14	51	0.35	1.86					
9	Trailer						0	-0.05	-0.14	54	3.35	17.77					
10	Tire						0	-0.05	-0.14	52	1.35	7.16					
11	Trailer						0	-0.05	-0.14	56	5.35	28.38					
12	Trailer						1	0.95	2.74	47	-3.65	-19.36					
13	Tire						0	-0.05	-0.14	55	4.35	23.08					
14	Trailer						0	-0.05	-0.14	53	2.35	12.47					

		INFORMATION	Direct Dector Measurement (Fixed Plus Removable)					Removable Activity									
Survey No:		5210-004-06		Inst. Model:	See next page		Inst. Model:			Inst. Model:	L - 2929						
Date:		9/29/2010		Inst. S/N	for dose rates		Inst. S/N			Inst. S/N	137609						
Site		NFSS		Inst. Eff.:			Inst. Eff.:			Inst. Eff.:	0.3467						
Technician		M. LaBanc		ur, bkqd:			cpm, bkqd:			cpm, bkqd:	0.05						
Survey Type:		Release		MDA			MDA			MDA	10.81560891						
Survey Location: In Front of Screw Building					ALPHA		BETA / GAMMA		ALPHA		BETA / GAMMA						
Survey Item: Truck #413056 and Trailer #63145					Direct Dector Measurement (Fixed Plus Removable)					Removable Activity							
No	Survey Location			Gross Alpha cpm	Net Alpha cpm	Alpha dpm / 100cm ²	Gross/ Beta Gamma cpm	Net Beta/ Gamma cpm	Beta / Gamma dpm / 100cm ²	Gross Alpha cpm	Net Alpha cpm	Alpha dpm / 100cm ²	Gross Beta/ Gamma cpm	Net Beta/ Gamma cpm	Beta / Gamma dpm / 100cm ²		
1	Tire								0	-0.05	-0.14	49	-1.65	-8.75			
2	Trailer								1	0.95	2.74	51	0.35	1.86			
3	Trailer								1	0.95	2.74	55	4.35	23.08			
4	Tire								0	-0.05	-0.14	50	-0.65	-3.45			
5	Trailer								2	1.95	5.62	54	3.35	17.77			
6	Cab								1	0.95	2.74	47	-3.65	-19.36			
7	Tire								0	-0.05	-0.14	50	-0.65	-3.45			
8	Tire								0	-0.05	-0.14	51	0.35	1.86			
9	Trailer								1	0.95	2.74	51	0.35	1.86			
10	Tire								0	-0.05	-0.14	54	3.35	17.77			
11	Trailer								0	-0.05	-0.14	52	1.35	7.16			
12	Trailer								0	-0.05	-0.14	58	7.35	38.99			
13	Tire								0	-0.05	-0.14	50	-0.65	-3.45			
14	Trailer								0	-0.05	-0.14	51	0.35	1.86			

		INFORMATION	Direct Dector Measurement (Fixed Plus Removable)					Removable Activity						
Survey No:		5210-004-08		Inst. Model:	See next page		Inst. Model:			Inst. Model:	L - 2929			
Date:		9/30/2010		Inst. S/N	for dose rates		Inst. S/N			Inst. S/N	137609			
Site		NFSS		Inst. Eff.:			Inst. Eff.:			Inst. Eff.:	0.3605			
Technician		M. LaBanc		ur, bkqd:			cpm, bkqd:			cpm, bkqd:	0.1			
Survey Type:		Release		MDA			MDA			MDA	11.59628048			
Survey Location: In Front of Screw Building		ALPHA			BETA / GAMMA			ALPHA			BETA / GAMMA			
Survey Item: Truck #525795 and Trailer #30225		Direct Dector Measurement (Fixed Plus Removable)					Removable Activity							
No	Survey Location		Gross Alpha cpm	Net Alpha cpm	Alpha dpm / 100cm ²	Gross/ Beta Gamma cpm	Net Beta/ Gamma cpm	Beta / Gamma dpm / 100cm ²	Gross Alpha cpm	Net Alpha cpm	Alpha dpm / 100cm ²	Gross Beta/ Gamma cpm	Net Beta/ Gamma cpm	Beta / Gamma dpm / 100cm ²
1	Tire							0	-0.10	-0.28	46	-3.85	-20.88	
2	Trailer							1	0.90	2.50	53	3.15	17.08	
3	Trailer							0	-0.10	-0.28	54	4.15	22.51	
4	Tire							0	-0.10	-0.28	50	0.15	0.81	
5	Trailer							0	-0.10	-0.28	49	-0.85	-4.61	
6	Cab							1	0.90	2.50	52	2.15	11.66	
7	Tire							0	-0.10	-0.28	56	6.15	33.35	
8	Tire							0	-0.10	-0.28	48	-1.85	-10.03	
9	Trailer							0	-0.10	-0.28	51	1.15	6.24	
10	Tire							1	0.90	2.50	52	2.15	11.66	
11	Trailer							1	0.90	2.50	50	0.15	0.81	
12	Trailer							0	-0.10	-0.28	53	3.15	17.08	
13	Tire							0	-0.10	-0.28	49	-0.85	-4.61	
14	Trailer							1	0.90	2.50	47	-2.85	-15.46	

	INFORMATION	Direct Dector Measurement (Fixed Plus Removable)				Removable Activity							
Survey No:	5210-004-10	Inst. Model:	See next page		Inst. Model:			Inst. Model:	L - 2929				
Date:	9/30/2010	Inst. S/N	for dose rates		Inst. S/N			Inst. S/N	137609				
Site	NFSS	Inst. Eff.:			Inst. Eff.:			Inst. Eff.:	0.3605				
Technician	M. LaBanc	ur, bkqd:			cpm, bkqd:			cpm, bkqd:	0.1				
Survey Type:	Release	MDA			MDA			MDA	11.59628048				
Survey Location: In Front of Screw Building		ALPHA		BETA / GAMMA		ALPHA		BETA / GAMMA					
Survey Item: Truck #529238 and Trailer #729238 Flatbed		Direct Dector Measurement (Fixed Plus Removable)				Removable Activity							
No	Survey Location	Gross Alpha cpm	Net Alpha cpm	Alpha dpm / 100cm ²	Gross/ Beta Gamma cpm	Net Beta/ Gamma cpm	Beta / Gamma dpm / 100cm ²	Gross Alpha cpm	Net Alpha cpm	Alpha dpm / 100cm ²	Gross Beta/ Gamma cpm	Net Beta/ Gamma cpm	Beta / Gamma dpm / 100cm ²
1	Tire						0	-0.10	-0.28	53	3.15	17.08	
2	Trailer						0	-0.10	-0.28	50	0.15	0.81	
3	Trailer						0	-0.10	-0.28	48	-1.85	-10.03	
4	Tire						0	-0.10	-0.28	45	-4.85	-26.30	
5	Trailer						1	0.90	2.50	49	-0.85	-4.61	
6	Cab						1	0.90	2.50	47	-2.85	-15.46	
7	Tire						1	0.90	2.50	50	0.15	0.81	
8	Tire						0	-0.10	-0.28	48	-1.85	-10.03	
9	Trailer						0	-0.10	-0.28	53	3.15	17.08	
10	Tire						0	-0.10	-0.28	47	-2.85	-15.46	
11	Trailer						0	-0.10	-0.28	49	-0.85	-4.61	
12	Trailer						2	1.90	5.27	48	-1.85	-10.03	
13	Tire						0	-0.10	-0.28	50	0.15	0.81	
14	Trailer						0	-0.10	-0.28	48	-1.85	-10.03	

		INFORMATION	Direct Dector Measurement (Fixed Plus Removable)					Removable Activity									
Survey No:		5210-004-15		Inst. Model:	See next page		Inst. Model:			Inst. Model:	L - 2929						
Date:		1/3/2011		Inst. S/N	for dose rates		Inst. S/N			Inst. S/N	137609						
Site		NFSS		Inst. Eff.:			Inst. Eff.:			Inst. Eff.:	0.3559						
Technician		M. LaBanc		ur, bkqd:			cpm, bkqd:			cpm, bkqd:	0.05						
Survey Type:		Release		MDA			MDA			MDA	10.53602588						
Survey Location: In Front of Screw Building					ALPHA		BETA / GAMMA		ALPHA		BETA / GAMMA						
Survey Item: Truck #552882 and Trailer #814417					Direct Dector Measurement (Fixed Plus Removable)					Removable Activity							
No	Survey Location			Gross Alpha cpm	Net Alpha cpm	Alpha dpm / 100cm ²	Gross/ Beta Gamma cpm	Net Beta/ Gamma cpm	Beta / Gamma dpm / 100cm ²	Gross Alpha cpm	Net Alpha cpm	Alpha dpm / 100cm ²	Gross Beta/ Gamma cpm	Net Beta/ Gamma cpm	Beta / Gamma dpm / 100cm ²		
1	Tire								1	0.95	2.67	44	-5.60	-30.14			
2	Trailer								1	0.95	2.67	52	2.40	12.92			
3	Trailer								0	-0.05	-0.14	56	6.40	34.45			
4	Tire								0	-0.05	-0.14	51	1.40	7.53			
5	Trailer								0	-0.05	-0.14	49	-0.60	-3.23			
6	Cab								0	-0.05	-0.14	54	4.40	23.68			
7	Tire								0	-0.05	-0.14	51	1.40	7.53			
8	Tire								1	0.95	2.67	49	-0.60	-3.23			
9	Trailer								0	-0.05	-0.14	50	0.40	2.15			
10	Tire								0	-0.05	-0.14	56	6.40	34.45			
11	Trailer								0	-0.05	-0.14	52	2.40	12.92			
12	Trailer								0	-0.05	-0.14	55	5.40	29.06			
13	Tire								1	0.95	2.67	49	-0.60	-3.23			
14	Trailer								0	-0.05	-0.14	51	1.40	7.53			

APPENDIX F

Disposal Facilities State Letters of Acceptance

APPENDIX F

Disposal Facilities State Letters of Acceptance

State of Texas

Buddy Garcia, *Chairman*
Carlos Rubinstein, *Commissioner*
Bryan W. Shaw, Ph.D., *Commissioner*
Mark R. Vickery, P.G., *Executive Director*



Texas Commission on Environmental Quality
Protecting Texas by Reducing and Preventing Pollution

September 24, 2010

SCOTT KIRK
WASTE CONTROL SPECIALISTS LLC
P.O. BOX 1129
ANDREW, TX 79714

Re: Exemption Concurrence Request (Initial Notice of Deficiency)
Log No. 2010-09-0012

Dear Mr. Kirk:

Please be advised that the Texas Commission on Environmental Quality requires additional information to determine if Waste Profile Number WP-019634, debris and personnel protective equipment generated from the environmental remediation of the United States Army Corps of Engineers – Niagara Falls Storage Site under the Formerly Utilized Sites Remedial Action Program by the U.S. Army Corps of Engineers in Lewiston, New York, described in your letter of September 17, 2010, is exempt under the provisions of Title 25 Texas Administrative Code.

Please note that one of the samples (sample ID 250887002) from the nine samples analyzed was determined to contain plutonium-238 at a concentration of $0.2 \text{ pCi/g} \pm 0.2 \text{ pCi/g}$ (detection limit was 0.135 pCi/g). Waste containing any detectable amount of plutonium cannot be exempted under the provisions of Title 25 Texas Administrative Code.

The Waste Characterization Plan enclosed in your exemption concurrence request states, “After the waste drum(s) responsible for the initial composite group WCS WAC failure are identified and removed from the composite group, a secondary composite group sample will be generated from the remaining waste drums and analyzed to confirm compliance of the secondary composite group contents with the WCS WAC.” Additionally, it is stated in this plan that each sample corresponds to a distinct waste container. Therefore, if the plutonium-containing waste volume is removed, the remaining waste may qualify for an exemption concurrence.

Buddy Garcia, *Chairman*
Carlos Rubinstein, *Commissioner*
Bryan W. Shaw, Ph.D., *Commissioner*
Mark R. Vickery, P.G., *Executive Director*



Texas Commission on Environmental Quality
Protecting Texas by Reducing and Preventing Pollution

September 24, 2010

SCOTT KIRK
WASTE CONTROL SPECIALISTS LLC
P.O. BOX 1129
ANDREW, TX 79714

Re: Exemption Concurrence
Log No. 2010-09-0013

Dear Mr. Kirk:

Please be advised that the Texas Commission on Environmental Quality has determined that WCS waste profile number WP-019635, soil generated from drilling as part of the environmental remediation of the United States Army Corps of Engineers – Niagara Falls Storage Site under the Formerly Utilized Sites Remedial Action Program by the U.S. Army Corps of Engineers in Lewiston, New York, described in your letter of September 17, 2010, is exempt under the provisions of Section (§) 336.5(c) of Title 30 Texas Administrative Code (TAC), 25 TAC §289.251(e)(2), 25 TAC §289.251(d)(1), and §289.259(d)(1)(B).

Please let me know if I may answer any questions regarding this determination. I can be reached by telephone at 512-239-6465 or be e-mail at hweger@tceq.state.tx.us.

Sincerely,

A handwritten signature in black ink, appearing to read "Hans Weger".

Hans Weger, Ph.D.
Waste License Reviewer
Radioactive Material Division

cc: Lynn Bell, TCEQ

Buddy Garcia, *Chairman*

Carlos Rubinstein, *Commissioner*

Bryan W. Shaw, Ph.D., *Commissioner*

Mark R. Vickery, P.G., *Executive Director*



Texas Commission on Environmental Quality

Protecting Texas by Reducing and Preventing Pollution

September 24, 2010

SCOTT KIRK
WASTE CONTROL SPECIALISTS LLC
P.O. BOX 1129
ANDREW, TX 79714

Re: Exemption Concurrence
Log No. 2010-09-0014

Dear Mr. Kirk:

Please be advised that the Texas Commission on Environmental Quality has determined that WCS waste profile number WP-019636, investigation derived well and decon waters generated from the environmental remediation of the United States Army Corps of Engineers – Niagara Falls Storage Site under the Formerly Utilized Sites Remedial Action Program by the U.S. Army Corps of Engineers in Lewiston, New York, described in your letter of September 17, 2010, is exempt under the provisions of Section (§) 336.5(c) of Title 30 Texas Administrative Code (TAC), 25 TAC §289.251(e)(1), and 25 TAC §289.251(d)(1).

Please let me know if I may answer any questions regarding this determination. I can be reached by telephone at 512-239-6465 or be e-mail at hwege@tceq.state.tx.us.

Sincerely,

A handwritten signature in black ink, appearing to read "Hans Weger".

Hans Weger, Ph.D.
Waste License Reviewer
Radioactive Material Division

cc: Lynn Bell, TCEQ

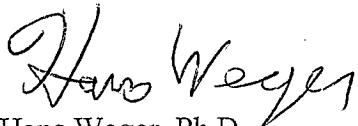
Scott Kirk
Page 2 of 2
September 24, 2010

Please provide either:

1. Additional information confirming that the waste volume with detectable levels of plutonium has been removed from this exemption concurrence request and that the remaining waste volume does not have any detectable levels of plutonium or
2. Request that this exemption concurrence request be withdrawn.

In your response, please reference Log No. 2010-09-0012. If you have any questions, I can be reached by telephone at 512-239-6465 or be e-mail at hweger@tceq.state.tx.us.

Sincerely,



Hans Weger, Ph.D.
Waste Licensing Reviewer
Radioactive Material Division

APPENDIX F

Disposal Facilities State Letters of Acceptance

State of Idaho



STATE OF IDAHO
DEPARTMENT OF
ENVIRONMENTAL QUALITY

1410 North Hilton • Boise, Idaho 83706 • (208) 373-0502

C.L. "Butch" Otter, Governor
Toni Hardesty, Director

November 30, 2010

Terry A. Geis, General Manager
U.S. Ecology Idaho Inc.
P.O. Box 400
Grand View, Idaho 83624

Re: U.S. Ecology Idaho, Site B - EPA ID No. IDD073114654
USACE Buffalo NFSS FUSRAP Site
IDEQ Notification of Intent to Receive

Dear Mr. Geis:

This letter is in response to your letter received by the Department of Environmental Quality (DEQ) on November 18, 2010, concerning USEI's intent to receive waste from the USACE Buffalo NFSS FUSRAP site, in accordance with the Waste Acceptance Criteria for USEI.

DEQ has reviewed the information submitted and it appears that the waste meets the conditions of Section C.3.2, Table 1 and Table C.4.b**** of the Waste Acceptance Criteria. Therefore, the DEQ approves US Ecology to receive and dispose of this waste in accordance with the applicable ERMP's.

If you have any questions regarding this matter, please contact Kim Custer at (208) 373-0130.

Sincerely,

A handwritten signature in black ink, appearing to read "Brian R. Monson".

Brian R. Monson
Hazardous Waste Program Manager
Waste Management & Remediation Division

BRM:KC:js

(USACEBuffNFSS)

cc: Zach Hedgpath, EPA Region 10
Eileen Loerch, DEQ-BRO
ESbpsm/Kim Custer
COF

US Ecology Idaho, Inc.
P.O Box 400
20400 Lemley Road
Grand View, Idaho 83624

Phone: (800) 274 1516
(208) 834 2275
Fax: (208) 834 2997
(208) 834 2919

US Ecology Idaho

a *US Ecology Inc.* company

September 30, 2010

Barbara Grownay
ECC
1125 ROUTE 22 WEST SUITE 310
BRIDGEWATER, NJ 08807

RE: Generator : USACE- NFSS FUSRAP SITE
US Ecology WS # : 24779-0
Waste Stream Name: NON HAZARDOUS DEBRIS/PPE
Expiration Date : 09/24/2011

Dear Barbara Grownay,

The above listed waste stream has been approved for acceptance at US Ecology Idaho (USEI), which is an authorized facility and has the appropriate permits necessary to handle the waste material described on the "Waste Product Questionnaire" (WPQ) as presently approved.

This Waste Profile is identified with a Waste Stream ID Number and is valid until the expiration date of 09/24/2011 when annual re-characterization of the waste is required.

Shipment of the waste profiled by the above WSID constitutes the acceptance of all Terms and Conditions listed as an Addendum to the Agreement/Contract. If the regulations change, or the waste stream itself changes, it is the generator's responsibility to inform USEI by a letter or submittal of a new profile and current analysis.

All waste material must be packaged, labeled and manifested in strict accordance with all applicable EPA and DOT requirements. The above WSID must be marked on each drum or unit.

To schedule a delivery, please call Sophie Livingston in the Customer Service Department at 1-800-274-1516 ext. 310, at least 48 hours prior to your anticipated shipping date. Scheduling hours are from 7:30 a.m. to 3:30 p.m. MST, Monday through Friday.

If you have any questions or need additional information, please feel free to call the Customer Service Department at 1-800-274-1516.

Sincerely,

RILEY HAMMOND
CUSTOMER SERVICE REP

APPENDIX F

Disposal Facilities State Letters of Acceptance

State of New York



Recycling Treatment & Disposal of Hazardous Waste

September 17, 2010

OP-TECH ENVIRONMENTAL SERVICES
1 Adler Drive
East Syracuse, NY 13057

Re: Hazardous Waste Disposal/Pricing for USACE- NFS FUSRAP Site 1397 Pletcher Road Lewiston
NY 14092 (Generator # 714753)

Dear John Busse:

As directed by 40 CFR 264.12(b) and Cycle Chem, Inc.'s hazardous waste permit, Cycle Chem, Inc. hereby informs you that the waste streams referenced below have been granted pre-acceptance approval.

Cycle Chem, Inc. is permitted, is capable, has capacity and is willing to accept your waste, provided it conforms to the Material Profile Sheet upon which the pre-acceptance approval was granted.

This document is important. Please file it for safekeeping. A copy is also held at the Cycle Chem, Inc. facility.

MERCURY SPILL CLEAN UP MATERIALS

Pricing:

Seq-1 Product-MD

Terms: THERMOMETERS, IN-GLASS DEVICES (CAN HAVE FREE MERCURY), DEBRIS, ETC.
D009. NO SOIL.

Shipping Name: HAZARDOUS WASTE, SOLID, N.O.S.
Class: 9 ID No. NA3077 PG III
USEPA Haz Codes: D009

RQ.

Ultimate Treatment: RETORT
Final Facility: AERC RECYCLING SOLUTIONS

USED HYDRAULIC OIL

Pricing:

Seq-2 Product-LS

Terms: DUMPABLE SLUDGES, NON DOT/ RCRA REGULATED.

Shipping Name: NON DOT/NON RCRA REGULATED MATERIAL
Class: ID No.
USEPA Haz Codes:

RQ.

Ultimate Treatment: SOLIDIFY/LANDFILL
Final Facility: CUMBERLAND COUNTY LANDFILL (IWS)

LAB PACKS

Pricing: \$0.00 per 55 G DM

Seq-3 Product-VARIES

Terms:

Shipping Name:
Class: ID No.

RQ.

New Jersey TSDF:
217 South First Street
Elizabeth, NJ 07206
908-355-5800
FAX: 908-355-0562

Corporate Office:
201 South First Street
Elizabeth, NJ 07206
908-355-5800
FAX: 908-355-3495

Pennsylvania TSDF:
550 Industrial Drive
Lewisberry, PA 17339
717-938-4700
Fax: 717-938-3301

Massachusetts TSDF:
General Chemical
138 Leland Street
Framingham, MA 01702
508-872-5000
FAX: 508-875-5271

www.cyclechem.com

Printed on
Recycled Paper



USEPA Haz Codes:

Ultimate Treatment: VARIES
Final Facility: DIRECT SHIP

DRUM #001

Pricing:

Seq-4 Product-UV1

Terms: SUPPLY PACKING LIST. MUST RECEIVE PRE-APPROVAL.

Shipping Name: WASTE CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.
Class: 8 ID No. UN3264 PG II RQ.
USEPA Haz Codes: D002, D008

Ultimate Treatment: STABILIZATION/LANDFILL
Final Facility: STABLEX CANADA, INC

DRUM #002

Pricing:

Seq-5 Product-AB

Terms: SUPPLY PACKING LIST. MUST RECEIVE PRE-APPROVAL.

Shipping Name: HAZARDOUS WASTE, SOLID, N.O.S.
Class: 9 ID No. NA3077 PG III RQ.
USEPA Haz Codes: D008

Ultimate Treatment: STABILIZATION/LANDFILL
Final Facility: ENVIRITE OF PENNSYLVANIA

DRUM #003

Pricing:

Seq-6 Product-UJK/R

Terms: SUPPLY PACKING LIST. MUST RECEIVE PRE-APPROVAL.

Shipping Name: WASTE FLAMMABLE LIQUIDS, N.O.S.
Class: 3 ID No. UN1993 PG II RQ.
USEPA Haz Codes: D001, F003

Ultimate Treatment: FUELS BLENDING
Final Facility: GEOCYCLE, LLC

DRUM #004

Pricing:

Seq-7 Product-CR1

Terms: NO DEBRIS; MUST BE PACKED LOOSE. NO VERMICULITE. ANY WASTE CODES.
NO CYLINDERS. MUST BE THIN WALLED. NO CHLOROFUOROCARBON
PROPELLANTS.

Shipping Name: WASTE AEROSOLS, FLAMMABLE, (EACH NOT EXCEEDING 1 L
CAPACITY)
Class: 2.1 ID No. UN1950 RQ.
USEPA Haz Codes: D001

Ultimate Treatment: RECYCLING/INCINERATION
Final Facility: CRI ENVIRONMENT, INC.

DRUM #005 Seq-8 Product-AC
Pricing:

Terms: SUPPLY PACKING LIST. MUST RECEIVE PRE-APPROVAL.

Shipping Name: SODIUM HYDROXIDE, SOLID
Class: 8 ID No. UN1823 PG II RQ.
USEPA Haz Codes:

Ultimate Treatment: LANDFILL
Final Facility: CUMBERLAND COUNTY LANDFILL (IWS)

If you have any questions regarding this proposal, please contact your Technical Representative, Todd Meyer, at (717) 938-4700.

This quote shall be deemed made In the State of Pennsylvania and shall be interpreted under the laws of said State and the customer recognizes and consents to the jurisdiction over him/her/it of the courts of the State of Pennsylvania. This quote supersedes all prior communication and contains the entire agreement between the parties including all expressed or implied warranties. No alterations or modifications of the quote shall be valid unless In writing and signed by both parties to this quote. Payment terms are net 30 days.

Acceptance of Proposal - I have received and agree to the CCI terms and conditions. The rates, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified.

Signature: _____ Date of Acceptance: _____ PO# _____

(CCI Internal Reference Info: 714753 Profiles: MD-1, LS-2, VARIES-3, UVI-4, AB-5, UIK/R-6, CR1-7, AC-8)

APPENDIX G

Bill of Lading and Non-Hazardous Waste Manifests

APPENDIX G

Bill of Lading and Non-Hazardous Waste Manifests

Shipments to USEI in Idaho

101005-10030

NON-HAZARDOUS WASTE MANIFEST		1. Generator ID Number N97890108973	2. Page 1 of 1	3. Emergency Response Phone 800-267-8200	4. Waste Tracking Number			
5. Generator's Name and Mailing Address USA-CE - NCSS - FUSRASITE 1397 Fletcher Road, Lewiston NY 14092 Generator's Phone: 716-940-1404		Generator's Site Address (if different than mailing address)						
6. Transporter 1 Company Name Landstar Ranger 1000 Simpson Rd, Rockford IL 61102		U.S. EPA ID Number IL000667157						
7. Transporter 2 Company Name		U.S. EPA ID Number						
8. Designated Facility Name and Site Address US Ecology of IDAHO 20400 Lemley Rd, Grandview ID 83624 Facility's Phone: 800-274-1516		U.S. EPA ID Number ID0073114654						
GENERATOR	9. Waste Shipping Name and Description 1. DOT NON Regulated - NON-HAZ Debris		10. Containers No. 16	Total Quantity Type CM	12. Unit Wt/Vol T			
	2.							
	3.							
	4.							
13. Special Handling Instructions and Additional Information ① WP - WCF#24779-0 TAC 529238								
14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.								
Generator's/Officer's Printed/Typed Name Neil T Miller		Signature Neil T Miller		Month 09	Day 30	Year 10		
INT'L	15. International Shipments	<input type="checkbox"/> Import to U.S.	<input type="checkbox"/> Export from U.S.	Port of entry/exit:				
Transporter Signature (for exports only):								
TRANSPORTER	16. Transporter Acknowledgment of Receipt of Materials	Signature David D Randolph				Month 09	Day 30	Year 10
Transporter 1 Printed/Typed Name DAVID D RANDOLPH Rudy		Signature David D Randolph				Month 09	Day 30	Year 10
Transporter 2 Printed/Typed Name DAVID D Randolph Rudy		Signature David D Randolph				Month 09	Day 30	Year 10
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		
Manifest Reference Number:								
17b. Alternate Facility (or Generator)		U.S. EPA ID Number						
Facility's Phone:								
17c. Signature of Alternate Facility (or Generator)								
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a								
Printed/Typed Name James McCaffrey		Signature James McCaffrey						
Month 10 Day 15 Year 10								

11011100259

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number N97890108973	2. Page 1 of 1	3. Emergency Response Phone 800-262-8200	4. Waste Tracking Number 0103201101	
5. Generator's Name and Mailing Address USACE - NCSS - FUSRAP Site 1397 Fletcher Road, Lewiston, NY 14092 Generator's Phone: 716-940-1404					
6. Transporter 1 Company Name Landstar Ranger 1000 Simpson Rd, Rockford, IL 61102 U.S. EPA ID Number U.S. EPA ID Number 7. Transporter 2 Company Name					
8. Designated Facility Name and Site Address US Ecology of Idaho 20400 Lemley Road, Grandview, ID 83624 U.S. EPA ID Number Facility's Phone: 800-274-1516 208-319-1614 ID007314 654					
GENERATOR	9. Waste Shipping Name and Description 1. DOT Non Regulated - Non Hazardous	10. Containers No. 023	11. Total Quantity Type DM 004	12. Unit Wt./Vol. T	
	2.				
	3.				
	4.				
13. Special Handling Instructions and Additional Information ① WSID # 24779					
14. GENERATOR/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 governmental regulations.					
Generator/Offeror's Printed/Typed Name <i>Neil Miller</i>		Signature <i>Neil Miller</i>	Month 01	Day 03	Year 11
15. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S.		Port of entry/exit			
Transporter Signature (for exports only):					
16. Transporter Acknowledgment of Receipt of Materials					
Transporter 1 Printed/Typed Name <i>Musa Abdusshakur</i>		Signature <i>Musa Abdusshakur</i>	Month 11	Day 13	Year 11
Transporter 2 Printed/Typed Name		Signature	Month	Day	Year
17. Discrepancy					
17a. Discrepancy Indication Space Sec 8 EPA ID# <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection Sec 8 Zip code 83624 m 1/11/11 Manifest Reference Number:					
17b. Alternate Facility (or Generator) Facility's Phone:					
17c. Signature of Alternate Facility (or Generator) U.S. EPA ID Number					
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a					
Printed/Typed Name <i>Corey Kastner for US67</i>		Signature <i>Corey Kastner</i>	Month 11	Day 11	Year 11

APPENDIX G

Bill of Lading and Non-Hazardous Waste Manifests

Shipments to WCS in Texas

Arrived @ _____ out _____ to _____ Kelleyby _____

TRI# 525795 TRL# 30225

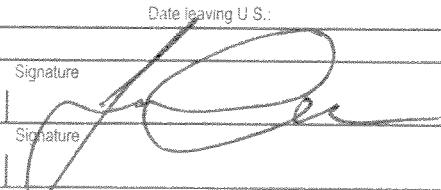
Form Approved, OMB No. 2050-0039

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)					
GENERATOR	UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number N97890108973	2. Page 1 of 1	3. Emergency Response Phone 800-262-8200	
	5. Generator's Name and Mailing Address USACE - NCSS FUSRAP SITE 1397 Fletcher Rd, Lewiston NY	Generator's Site Address (if different than mailing address)			
	Generator's Phone: 716-940-1404	14092	U.S. EPA ID Number		
	6. Transporter 1 Company Name Landstar-Ranger, 1000 Simpson Rd, Rockford IL 61102	U.S. EPA ID Number			
	7. Transporter 2 Company Name	U.S. EPA ID Number			
	8. Designated Facility Name and Site Address Waste Control Specialties LLC 998 W. Hwy 176 Andrews, TX 79714	U.S. EPA ID Number			
	Facility's Phone: 888-787-2787	TXO988 088464			
	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) 1. DOT NOT REGULATED, Non Haz Soil WP019635 2. DOT NOT REGULATED, Non Haz Debris WP019634 3. DOT Non REGULATED, Non Haz Soil WP019635 4.	10. Containers No. 15 Type DM	11. Total Quantity 3.8 T	12. Unit Wt./Vol. 13. Waste Codes OUTS 3191
			13. DM 1.3 T	OUTS 3191	
			14. 5 DM 1.5 T	OUTS 3191	
14. Special Handling Instructions and Additional Information (1) WP019635 (2) WP019634 (3) WP019635					
15. 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. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.					
Generator's/Offeror's Printed/Typed Name Neil T Miller		Signature Month Day Year 09 30 10			
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Transporter signature (for exports only): _____					
17. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name JAMES THOMPSON Signature Month Day Year 09 30 10 Transporter 2 Printed/Typed Name Signature Month Day Year					
18. Discrepancy 18a. 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					
18b. Alternate Facility (or Generator) Manifest Reference Number: Facility's Phone: 18c. Signature of Alternate Facility (or Generator) Month Day Year					
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems) H132 H132 H132					
20. Designated Facility Owner or Operator Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a Printed/Typed Name DUSTIN SHOLT Signature Month Day Year 10 14 10					

Truck # 425 Tr/r# vs 11

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number N97890108973	2. Page 1 of 1	3. Emergency Response Phone 800-262-8200	4. Manifest Tracking Number 000288433 GBF	
Generator's Site Address (if different than mailing address)						
5. Generator's Name and Mailing Address US ACE-ACSS -FUS RAPSITE 1377 Fletcher road Lewiston, NY						
Generator's Phone: 716-940-1404 14092 U.S. EPA ID Number NYA980769947						
6. Transporter 1 Company Name HAZMAT Environmental Group Inc. Street Address 11218 toddler Lane, 4000 Simpson Rd., Lockport, NY 14218 U.S. EPA ID Number FEC00067157						
7. Transporter 2 Company Name						
8. Designated Facility Name and Site Address Waste Control specialists LLC 998 W. HWY 176 ANDREWS TX 79714 U.S. EPA ID Number						
Facility's Phone: 888-789-2783 TXD988085464						
GENERATOR	9a. Item No.	9b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) 1. Non-Regulated Liquid; NON-HAZ Water WP 019636	10. Containers No. 1	11. Total Quantity 3,500 3,000g 3191 cu in	12. Unit Wt./Vol. 6	13. Waste Codes
	2.					
	3.					
	4.					
	5.					
14. Special Handling Instructions and Additional Information (1) WP 019636						
15. 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. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.						
Generator/Offeror's Printed/Typed Name On Behalf of USACE			Signature 		Month 09 Day 30 Year 10	
16. International Shipments		<input type="checkbox"/> Import to U.S.	<input type="checkbox"/> Export from U.S.	Port of entry/exit: _____		
Transporter signature (for exports only): _____ Date leaving U.S.: _____						
TRANSPORTER	17. Transporter Acknowledgment of Receipt of Materials					
	Transporter 1 Printed/Typed Name JIM AVS mvs			Signature 		Month 09 Day 30 Year 10
	Transporter 2 Printed/Typed Name			Signature		Month 09 Day 30 Year 10
18. Discrepancy						
18a. 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:						
18b. Alternate Facility (or Generator)						
U.S. EPA ID Number						
Facility's Phone:						
18c. Signature of Alternate Facility (or Generator)						
Month 09 Day 30 Year 10						
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)						
1. H132 H1291 H132 H132 2. 3. 4.						
20. Designated Facility Owner or Operator. Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a.						
Designated Facility Name Kim VAsquez		Signature 		Month 10 Day 06 Year 10		

TRI# 413056 TRI# 63145

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number N97890108973	2. Page 1 of 1	3. Emergency Response Phone 800-262-8200	4. Manifest Tracking Number 000288444 GBF		
5. Generator's Name and Mailing Address USACE - NCSS FUSCAP SITE 1897 Fletcher Rd, Lewiston NY Generator's Phone: 716-940-1404 14092		Generator's Site Address (if different than mailing address)					
6. Transporter 1 Company Name Lanistar Rwyer, 1000 Simpson Rd, Rockford IL, 61102		U.S. EPA ID Number FLR 0000 67157					
7. Transporter 2 Company Name		U.S. EPA ID Number					
8. Designated Facility Name and Site Address Waste Control Specialist, LLC 9998 W. Hwy 176 Andrews, TX, 79714 Facility's Phone: 800-888-789-2783		U.S. EPA ID Number TXD 988 088464					
GENERATOR	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) 1. DOT NOT REGULATED Materials, non-haz Soil WP 019635 2. Nonregulated Materials, non-haz Soil WP 019635 3. DOT Non Regulated Materials, non-haz Debris WP 019634 4. Non Regulated Materials, non-haz Debris WP 019634		10. Containers 59 DM 11.5 T OUTS 3191 4 DF 3.5 T OUTS 3191 25 DM 4.3 T OUTS 3191 1 DF 0.2 T OUTS 3191	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes	
	14. Special Handling Instructions and Additional Information (1) WP019635 (2) WP019635(3) WP019634(4) WP019634						
	15. GENERATOR/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. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.						
	Generator/Offeror's Printed/Typed Name Neil T Miller		Signature 		Month 10	Day 29	Year 10
	16. International Shipments <input checked="" type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S.		Port of entry/exit: _____				
Transporter signature (for exports only):		Date leaving U.S.: _____					
TRANSPORTER	17. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name Michael Brewster Signature Transporter 2 Printed/Typed Name Signature Month 09 Day 28 Year 10						
	18. Discrepancy						
	18a. 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:							
DESIGNATED FACILITY	18b. Alternate Facility (or Generator)		U.S. EPA ID Number				
	Facility's Phone:						
	18c. Signature of Alternate Facility (or Generator)		Month Day Year				
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems) H129 H132 H129 H132 H129 H132 H129 H132							
20. Designated Facility Owner or Operator Certification of receipt of hazardous materials covered by the manifest except as noted in item 18a Printed/Typed Name DUSTIN SHORT Signature Month Day Year 10 14 10							
A. Form 3700-22 (Rev. 3-85) Previous editions are obsolete.							

Truck #50084 Trk # 740176

Please print or type. Form designed for use on elite (12-pitch) typewriter.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number NY17890108973	2. Page 1 of 1	3. Emergency Response Phone 800-262-8200	4. Manifest Tracking Number 000288445 GBF	
5. Generator's Name and Mailing Address USAEC - NESS FUSRAP SITE, 1377 Fletcher Road, Lewiston NY Generator's Phone: 716-440-1404 14012						
Generator's Site Address (if different than mailing address)						
6. Transporter 1 Company Name Lowstar Ranger, Inc., Simeon Rd, Rockford IL, 61102						
U.S. EPA ID Number FLR0000067157						
7. Transporter 2 Company Name						
U.S. EPA ID Number						
8. Designated Facility Name and Site Address Waste Control Specialists LLC 9998 W. Hwy 176 Andrews, TX 79714						
U.S. EPA ID Number TXD933088464						
Facility's Phone: 888-789-2783						
GENERATOR	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) 1. DOT Non Regulated materials, non-HAZ Soil WP 019635 2. DOT Non Regulated Materials, non-HAZ Debris WP 019634		10. Containers No. 84 Type DM	11. Total Quantity 19.5 T	12. Unit Wt/Vol. 0.3M1	
						13. Waste Codes 0075 3M1
14. Special Handling Instructions and Additional Information 1. WP 014634HT 2. WP 019634 019635						
15. 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. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.						
Generator's/Offeror's Printed/Typed Name Dustin Miller			Signature 		Month Day Year 07 24 10	
TRANSPORTER INT'L	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S.		Port of entry/exit Date leaving U.S.: _____			
	Transporter signature (for exports only): _____					
	17. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name ELTON W. GILL Signature Transporter 2 Printed/Typed Name Signature					
Month Day Year 07 24 10						
DESIGNATED FACILITY	18. Discrepancy 18a. 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:					
	U.S. EPA ID Number					
Facility's Phone: _____						
18c. Signature of Alternate Facility (or Generator) Signature						
Month Day Year						
19. Hazardous Waste Report Management Method Codes (i.e. codes for hazardous waste treatment, disposal, and recycling systems)						
1. LSS 11510 H132 2. LSS 101510 H132 3. _____ 4. _____						
20. Designated Facility Owner or Operator. Certification of receipt of hazardous materials covered by the manifest except as noted in item 18a Printed/Typed Name DUSTIN SHORT Signature 						
Month Day Year 10 14 10						

APPENDIX G

Bill of Lading and Non-Hazardous Waste Manifests

Shipments to Chem Cycle in New York.

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number N Y 7 8 9 0 1 0 8 9 7 3	2. Page 1 of ?	3. Emergency Response Phone 800-225-6750	4. Manifest Tracking Number 001055591 JJK				
5. Generator's Name and Mailing Address USACE-NFSS FUSRAP Site 1776 Niagara Street Buffalo, NY 14207 716-897-4375		Generator's Site Address (if different than mailing address) 1387 Fletcher Road Lewiston, NY 14092							
Generator's Phone: 6. Transporter 1 Company Name OP-TECH Environmental Services, Inc.		U.S. EPA ID Number N Y D 9 8 6 9 8 0 7 5 3							
7. Transporter 2 Company Name		U.S. EPA ID Number							
8. Designated Facility Name and Site Address Cycle Chern, Inc 350 Industrial Drive Lewisberry, Pa 17339 Facility's Phone: 717-838-4700		U.S. EPA ID Number P A D 0 6 7 0 9 8 8 2 2							
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) 1. Sodium Hydroxide, Solid,8,UN1823, PG II ERG # 154	10. Containers No. 1	11. Total Quantity 5 40 20 15	12. Unit Wt./Vol. P	13. Waste Codes N/A L			
	X	2. Hazardous Waste Solids,NOS(Mercury),9,NA3077,PG III ERG # 171	DM		P	D009 R			
	X	3. Waste Corrosive Liquid,Acidic,Inorganic,NOS(Sulfuric Acid),8,UN3284,PG II ERG # 154	DF		G	D002 D008 T			
	X	4. Hazardous Waste Solids,NOS(Lead Dioxide),9,NA3077,PG III ERG # 171	DF		P	D008 T			
14. Special Handling Instructions and Additional Information a.) # 714753-8-AC b.)-1-MD c.)-4-UV1 d.)-5-AB Job # FICE0001 PO # FICE0001-01									
15. 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. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.									
Generator/Offeror's Printed/Typed Name <i>Neil T Miller</i>		Signature <i>Neil T Miller</i>		Month 09	Day 28	Year 2010			
TRANSPORTER INT'L	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S.		Port of entry/exit: _____ Date leaving U.S.: _____						
	Transporter signature (for exports only):								
TRANSPORTER	17. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name <i>Edward Buerke</i> Signature <i>Edward Buerke</i> Month 19 Day 28 Year 2010								
	Transporter 2 Printed/Typed Name Signature								
DESIGNATED FACILITY	18. Discrepancy 18a. 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:						
	18b. Alternate Facility (or Generator)		U.S. EPA ID Number						
	Facility's Phone:								
	18c. Signature of Alternate Facility (or Generator)		Month Day Year						
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)									
1. 2. 3. 4.									
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a Printed/Typed Name						Signature	Month	Day	Year

Cycle Chem

Recycling, Treatment & Disposal of Hazardous Waste

217 South First Street, Elizabeth, NJ 07206 * 908-355-5800, Fax (908) 355-0562

Generator Name: USACE-NFSS FUSRAP Site
 Generator EPA ID #: NV7890108923
 Manifest #: 001055591 JTK

LAND DISPOSAL RESTRICTION NOTIFICATION AND CERTIFICATION FORM

This land disposal restriction (LDR) notification must be submitted with the initial shipment of all new waste streams. Subsequent notification is not required unless the waste stream changes. All sections MUST be completed. INSTRUCTION

WASTE STREAM INFORMATION – For each manifest line complete the following sections. For LDR's previously submitted or LAB PACK's with packing slips indicate such in column A or B and stop.

	A	B	C	D Treatability Group	E	F Treatment Method for Hazardous Waste per 40CFR268	
Line #	LDR on file Non RCRA	Lab Pack & Packing Slip	EPA Waste Codes and subcategory reference letter from table (if applicable)	WW Wastewater < 1% TOC < 1% TSS	F001 to F005 list numbers of Spent Solvent Constituents	Requires treatment mark which standard applies	Meets LDR treatment standards 40CFR268 Listed Waste Certify below
1	<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/> NWW <input type="checkbox"/> WW		<input type="checkbox"/> Other <input type="checkbox"/> SOIL <input type="checkbox"/> DEBRIS	<input type="checkbox"/>
2	<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/> NWW <input type="checkbox"/> WW		<input type="checkbox"/> Other <input type="checkbox"/> SOIL <input type="checkbox"/> DEBRIS	<input type="checkbox"/>
3	<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/> NWW <input type="checkbox"/> WW		<input type="checkbox"/> Other <input type="checkbox"/> SOIL <input type="checkbox"/> DEBRIS	<input type="checkbox"/>
4	<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/> NWW <input type="checkbox"/> WW		<input type="checkbox"/> Other <input type="checkbox"/> SOIL <input type="checkbox"/> DEBRIS	<input type="checkbox"/>

ADDITIONAL INFORMATION FOR CHARACTERISTIC CODES D001 to D043. (check one)

Some or all of these waste streams contain underlying hazardous constituents (UHCs) in excess of the treatment standard of 40CFR268.40. These are indicated on the UHC/UTS table section of this LDR form or included on the waste profile.

There are no underlying hazardous constituents (UHCs) present in any of these waste streams.

SUBCATEGORY LETTER TABLE

D001	A	Ignitable except high TOC ignitable liquids
	B	High TOC (> 10%) ignitable liquid
D003	A	Reactive sulfide
	B	Reactive cyanide
	C	Water reactive
	D	Other reactive
D006	A	Cadmium non-battery
	B	Cadmium containing batteries
D008	A	Lead non-battery
	B	Lead acid batteries
D009	A	High mercury organic (>260 PPM Total Hg)
	B	High mercury inorganic (> 260 PPM Total Hg)
	C	Low mercury (< 260 PPM Total Hg)
	D	Mercury wastewater

SPENT SOLVENT WASTE CONSTITUENTS

For F001-F005 indicate number of constituent in above table	
1) acetone	15) methanol
2) benzene	16) methylene chloride
3) n-butyl alcohol	17) methyl ethyl ketone
4) iso-butyl alcohol	18) methyl isobutyl ketone
5) carbon disulfide	19) nitrobenzene
6) carbon tetrachloride	20) pyridine
7) chlorobenzene	21) tetrachloroethylene {Perc}
8) Cresols [o, m or p]	22) toluene
9) cresylic acid	23) 1,1,1-trichloroethane
10) cyclohexanone	24) 1,1,2-trichloroethane
11) o-dichlorobenzene	25) trichloroethylene
12) ethyl acetate	26) trichloromonofluoromethane
13) ethyl benzene	27) 1,1,2-trichloro-1,2,2-trifluoroethane
14) ethyl ether	28) xylenes

This **SOIL CERTIFICATION** per alternate soil treatment {268.49} for indicated [circle] items.

This is a hazardous waste contaminated soil. This contaminated soil **does/does not** (circle one) contain listed hazardous wastes and **does/does not** (circle one) exhibit a characteristic of hazardous waste and is subject to/complies with (circle one) the soil treatment standards as provided by 268.49(c) or the universal treatment standards.

This **Certification for material that meets treatment standards applies to the above listed items.**

This is an EPA hazardous waste that meets all applicable treatment standards set forth in 40 CFR 268 subpart D, and can be landfilled without further treatment. I certify under penalty of law that I have personally examined and am familiar with the waste through analysis and testing or thorough knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR Part 268 Subpart D and all applicable prohibitions set forth in 40 CFR 268.32 or RCRA Section 3004(d). I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment.

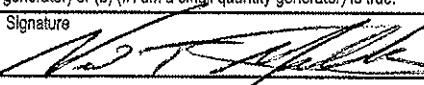
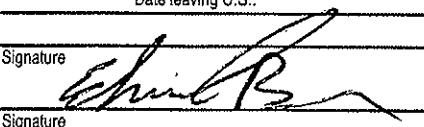
CERTIFICATION- All section MUST be completed: I certify that all information on this and all associated documents is complete and accurate to the best of my knowledge.

Signature: Neil T Miller

Title: Health Physicist on Behalf of USACE

Printed Name: Neil T Miller

Date: 07/20/2010

GENERATOR	1. Generator ID Number 1247890108973	2. Page 1 of 1	3. Emergency Response Phone 860-225-6756	4. Manifest Tracking Number 001055592 JJK		
	5. Generator Name and Mailing Address USACE-NYC FUSCRAP Site 1776 Niagara Street Buffalo, NY 14207 716-897-4375	Generator's Site Address (if different than mailing address) 1097 Fletcher Road Lewiston, NY 14092				
	Generator's Phone:					
	6. Transporter 1 Company Name OP-TECH Environmental Services, Inc.	DAB EPA ID Number 80980733				
	7. Transporter 2 Company Name	U.S. EPA ID Number				
	8. Designated Facility Name and Site Address Cycle Chem, Inc. 560 Industrial Drive Lewisberry, Pa 17339 717-838-4700	U.S. EPA ID Number				
	Facility's Phone:	P A D 0 6 7 0 9 8 8 2 2				
	9a. HM	9b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) 1. Waste Flammable Liquids,NOS(Methanol),3,UN1993,PG II ERG # 126	10. Containers No. 1	11. Total Quantity 5	12. Unit Wt./Vol. G	13. Waste Codes D001 F003 S
	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/> DF		<input checked="" type="checkbox"/> P	
	<input checked="" type="checkbox"/>	2. Waste Aerosols,flammable(each not exceeding 1L capacity),2.1,UN1950 ERG # 126	1	5	G	
<input type="checkbox"/>	3.					
<input type="checkbox"/>	4.					
14. Special Handling Instructions and Additional Information a.) # 714753-6-UIC/R b.)-7-CR1 Job # FICE0001 PO # FICE0001-01						
15. 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. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(e) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.						
Generator's/Offeror's Printed/Typed Name On Behalf of USACE Neil Miller		Signature 		Month 09	Day 28	Year 10
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: Transporter signature (for exports only): 						
17. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name Edward Burbee Signature  Transporter 2 Printed/Typed Name Signature 						
18. Discrepancy 18a. 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:						
18b. Alternate Facility (or Generator) U.S. EPA ID Number						
Facility's Phone:						
18c. Signature of Alternate Facility (or Generator) Month Day Year 						
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems) 1. 2. 3. 4.						
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a Printed/Typed Name Signature Month Day Year 						

Cycle Chem

Recycling, Treatment & Disposal of Hazardous Waste

217 South First Street, Elizabeth, NJ 07206 * 908-355-5800, Fax (908) 355-0562

Generator Name: USACE - NFSS FUSRAP Site

Generator EPA ID #: N17890108973

Manifest #: 001055592 JJK

LAND DISPOSAL RESTRICTION NOTIFICATION AND CERTIFICATION FORM

This land disposal restriction (LDR) notification must be submitted with the initial shipment of all new waste streams. Subsequent notification is not required unless the waste stream changes. All sections MUST be completed. INSTRUCTION

WASTE STREAM INFORMATION

For each manifest line complete the following sections. For LDR's previously submitted or LAB PACK's with packing slips indicate such in column A or B and stop.

	A	B	C	D Treatability Group	E	F Treatment Method for Hazardous Waste per 40CFR268	
Line #	LDR on file Non RCRA	Lab Pack & Packing Slip	EPA Waste Codes and subcategory reference letter from table (if applicable)	WW Wastewater < 1% TOC < 1% TSS	F001 to F005 list numbers of Spent Solvent Constituents	Requires treatment mark which standard applies	Meets LDR treatment standards 40CFR268 Listed Waste Certify below
1	<input type="checkbox"/>	<input checked="" type="checkbox"/>		NWW WW		<input type="checkbox"/> Other <input type="checkbox"/> SOIL <input type="checkbox"/> DEBRIS	<input type="checkbox"/>
2	<input type="checkbox"/>	<input checked="" type="checkbox"/>		NWW WW		<input type="checkbox"/> Other <input type="checkbox"/> SOIL <input type="checkbox"/> DEBRIS	<input type="checkbox"/>
3	<input type="checkbox"/>	<input type="checkbox"/>		NWW WW		<input type="checkbox"/> Other <input type="checkbox"/> SOIL <input type="checkbox"/> DEBRIS	<input type="checkbox"/>
4	<input type="checkbox"/>	<input type="checkbox"/>		NWW WW		<input type="checkbox"/> Other <input type="checkbox"/> SOIL <input type="checkbox"/> DEBRIS	<input type="checkbox"/>

ADDITIONAL INFORMATION FOR CHARACTERISTIC CODES D001 to D043. (check one)

Some or all of these waste streams contain underlying hazardous constituents (UHCs) in excess of the treatment standard of 40CFR268.40.
These are indicated on the UHC/UTS table section of this LDR form or included on the waste profile.

There are no underlying hazardous constituents (UHCs) present in any of these waste streams.

SUBCATEGORY LETTER TABLE

D001	A	Ignitable except high TOC ignitable liquids
	B	High TOC (> 10%) ignitable liquid
D003	A	Reactive sulfide
	B	Reactive cyanide
	C	Water reactive
	D	Other reactive
D006	A	Cadmium non-battery
	B	Cadmium containing batteries
D008	A	Lead non-battery
	B	Lead acid batteries
D009	A	High mercury organic (>260 PPM Total Hg)
	B	High mercury inorganic (> 260 PPM Total Hg)
	C	Low mercury (< 260 PPM Total Hg)
	D	Mercury wastewater

SPENT SOLVENT WASTE CONSTITUENTS

For F001-F005 indicate number of constituent in above table

- 1) acetone
- 15) methanol
- 2) benzene
- 16) methylene chloride
- 3) n-butyl alcohol
- 17) methyl ethyl ketone
- 4) iso-butyl alcohol
- 18) methyl isobutyl ketone
- 5) carbon disulfide
- 19) nitrobenzene
- 6) carbon tetrachloride
- 20) pyridine
- 7) chlorobenzene
- 21) tetrachloroethylene (Perc)
- 8) Cresols [o, m or p]
- 22) toluene
- 9) cresylic acid
- 23) 1,1,1-trichloroethane
- 10) cyclohexanone
- 24) 1,1,2-trichloroethane
- 11) o-dichlorobenzene
- 25) trichloroethylene
- 12) ethyl acetate
- 26) trichloromonofluoromethane
- 13) ethyl benzene
- 27) 1,1,2-trichloro-1,2,2,-trifluoroethane
- 14) ethyl ether
- 28) xylenes

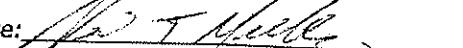
This SOIL CERTIFICATION per alternate soil treatment {268.49} for indicated [circle] items.

This is a hazardous waste contaminated soil. This contaminated soil does/does not contain listed hazardous wastes and does/does not exhibit a characteristic of hazardous waste and is subject to/complies with the soil treatment standards as provided by 268.49(c) or the universal treatment standards.

This Certification for material that meets treatment standards applies to the above listed items.

This is an EPA hazardous waste that meets all applicable treatment standards set forth in 40 CFR 268 subpart D, and can be landfilled without further treatment. I certify under penalty of law that I have personally examined and am familiar with the waste through analysis and testing or thorough knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR Part 268 Subpart D and all applicable prohibitions set forth in 40 CFR 268.32 or RCRA Section 3004(d). I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment.

CERTIFICATION- All section MUST be completed: I certify that all information on this and all associated documents is complete and accurate to the best of my knowledge.

Signature: 

Printed Name: Meil T. Miller

Title: Health Physicist on behalf of USACE

Date: 09/28/2010

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. NY7890108973	Manifest Document No. 00001	2. Page 1 of 1
3. Generator's Name and Mailing Address USACE-NFSS FUSRAP Site 1776 Niagara Street, Buffalo, NY 14207		1397 Pletcher Road Lewiston, NY 14092		
4. Generator's Phone () 716-897-4375				
5. Transporter 1 Company Name OP-TECH Environmental Services, Inc.		6. US EPA ID Number N Y D 9 8 6 9 8 0 7 5	A. State Transporter's ID B. Transporter 1 Phone 716-525-1962	
7. Transporter 2 Company Name		8. US EPA ID Number P A D 0 6 7 0 9 8 8 2 2	C. State Transporter's ID D. Transporter 2 Phone E. State Facility's ID	
9. Designated Facility Name and Site Address Cycle Chem, Inc. 550 Industrial Drive Lewisberry, PA 17339		10. US EPA ID Number	F. Facility's Phone 717-936-4700	
11. WASTE DESCRIPTION a. NON DOT Regulated Liquids,NOS(Hydraulic Oil)		12. Containers No. 4 Type DM	13. Total Quantity 220	14. Unit Wt/Vol. G
b.				
c.				
d.				
G. Additional Descriptions for Materials Listed Above a. # 714753-2-LS		c. PO# FICE0001-01	H. Handling Codes for Wastes Listed Above a. T b. Job # FICE0001	
d.			a. T	b. d.
15. Special Handling Instructions and Additional Information In case of emergency call 1-800-225-6750				
XXXXXXXXXXXXXXXXXXXX				
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.				
Printed/Typed Name <i>On Behalf of USACE</i> Neil T. Miller		Signature <i>Neil T. Miller</i>	Date	Month 08 Day 20 Year 10
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Edward Barboe		Signature <i>Edward Barboe</i>	Date	Month 08 Day 20 Year 10
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name		Signature	Date	Month Day Year
19. Discrepancy Indication Space				
20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.				
Printed/Typed Name		Signature	Date	Month Day Year

APPENDIX H

Certificates of Disposal

APPENDIX H

Certificates of Disposal

Chem Cycle – New York

Cycle Chem

Recycling, Treatment & Disposal of Hazardous Waste

217 South First Street, Elizabeth, NJ 07206 * 908-355-5800, Fax (908) 355-0562

Generator Name: USACE-NFSS FUSRAP Site
 Generator EPA ID #: NV7890108923
 Manifest #: 001055591 JTK

LAND DISPOSAL RESTRICTION NOTIFICATION AND CERTIFICATION FORM

This land disposal restriction (LDR) notification must be submitted with the initial shipment of all new waste streams. Subsequent notification is not required unless the waste stream changes. All sections MUST be completed. INSTRUCTION

WASTE STREAM INFORMATION – For each manifest line complete the following sections. For LDR's previously submitted or LAB PACK's with packing slips indicate such in column A or B and stop.

	A	B	C	D Treatability Group	E	F Treatment Method for Hazardous Waste per 40CFR268	
Line #	LDR on file Non RCRA	Lab Pack & Packing Slip	EPA Waste Codes and subcategory reference letter from table (if applicable)	WW Wastewater < 1% TOC < 1% TSS	F001 to F005 list numbers of Spent Solvent Constituents	Requires treatment mark which standard applies	Meets LDR treatment standards 40CFR268 Listed Waste Certify below
1	<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/> NWW <input type="checkbox"/> WW		<input type="checkbox"/> Other <input type="checkbox"/> SOIL <input type="checkbox"/> DEBRIS	<input type="checkbox"/>
2	<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/> NWW <input type="checkbox"/> WW		<input type="checkbox"/> Other <input type="checkbox"/> SOIL <input type="checkbox"/> DEBRIS	<input type="checkbox"/>
3	<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/> NWW <input type="checkbox"/> WW		<input type="checkbox"/> Other <input type="checkbox"/> SOIL <input type="checkbox"/> DEBRIS	<input type="checkbox"/>
4	<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/> NWW <input type="checkbox"/> WW		<input type="checkbox"/> Other <input type="checkbox"/> SOIL <input type="checkbox"/> DEBRIS	<input type="checkbox"/>

ADDITIONAL INFORMATION FOR CHARACTERISTIC CODES D001 to D043. (check one)

Some or all of these waste streams contain underlying hazardous constituents (UHCs) in excess of the treatment standard of 40CFR268.40. These are indicated on the UHC/UTS table section of this LDR form or included on the waste profile.

There are no underlying hazardous constituents (UHCs) present in any of these waste streams.

SUBCATEGORY LETTER TABLE

D001	A	Ignitable except high TOC ignitable liquids
	B	High TOC (> 10%) ignitable liquid
D003	A	Reactive sulfide
	B	Reactive cyanide
	C	Water reactive
	D	Other reactive
D006	A	Cadmium non-battery
	B	Cadmium containing batteries
D008	A	Lead non-battery
	B	Lead acid batteries
D009	A	High mercury organic (>260 PPM Total Hg)
	B	High mercury inorganic (> 260 PPM Total Hg)
	C	Low mercury (< 260 PPM Total Hg)
	D	Mercury wastewater

SPENT SOLVENT WASTE CONSTITUENTS

For F001-F005 indicate number of constituent in above table	
1) acetone	15) methanol
2) benzene	16) methylene chloride
3) n-butyl alcohol	17) methyl ethyl ketone
4) iso-butyl alcohol	18) methyl isobutyl ketone
5) carbon disulfide	19) nitrobenzene
6) carbon tetrachloride	20) pyridine
7) chlorobenzene	21) tetrachloroethylene {Perc}
8) Cresols [o, m or p]	22) toluene
9) cresylic acid	23) 1,1,1-trichloroethane
10) cyclohexanone	24) 1,1,2-trichloroethane
11) o-dichlorobenzene	25) trichloroethylene
12) ethyl acetate	26) trichloromonofluoromethane
13) ethyl benzene	27) 1,1,2-trichloro-1,2,2-trifluoroethane
14) ethyl ether	28) xylenes

This **SOIL CERTIFICATION** per alternate soil treatment {268.49} for indicated [circle] items.

This is a hazardous waste contaminated soil. This contaminated soil **does/does not** (circle one) contain listed hazardous wastes and **does/does not** (circle one) exhibit a characteristic of hazardous waste and is subject to/complies with (circle one) the soil treatment standards as provided by 268.49(c) or the universal treatment standards.

This **Certification for material that meets treatment standards applies to the above listed items.**

This is an EPA hazardous waste that meets all applicable treatment standards set forth in 40 CFR 268 subpart D, and can be landfilled without further treatment. I certify under penalty of law that I have personally examined and am familiar with the waste through analysis and testing or thorough knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR Part 268 Subpart D and all applicable prohibitions set forth in 40 CFR 268.32 or RCRA Section 3004(d). I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment.

CERTIFICATION- All section MUST be completed: I certify that all information on this and all associated documents is complete and accurate to the best of my knowledge.

Signature: Neil T Miller

Title: Health Physicist on Behalf of USACE

Printed Name: Neil T Miller

Date: 07/20/2010

Cycle Chem

Recycling, Treatment & Disposal of Hazardous Waste

217 South First Street, Elizabeth, NJ 07206 * 908-355-5800, Fax (908) 355-0562

Generator Name: USACE - NFSS FUSRAP Site

Generator EPA ID #: N17890108973

Manifest #: 001055592 JK

LAND DISPOSAL RESTRICTION NOTIFICATION AND CERTIFICATION FORM

This land disposal restriction (LDR) notification must be submitted with the initial shipment of all new waste streams. Subsequent notification is not required unless the waste stream changes. All sections MUST be completed. INSTRUCTION

WASTE STREAM INFORMATION

For each manifest line complete the following sections. For LDR's previously submitted or LAB PACK's with packing slips indicate such in column A or B and stop.

	A	B	C	D Treatability Group	E	F Treatment Method for Hazardous Waste per 40CFR268	
Line #	LDR on file Non RCRA	Lab Pack & Packing Slip	EPA Waste Codes and subcategory reference letter from table (if applicable)	WW Wastewater < 1% TOC < 1% TSS	F001 to F005 list numbers of Spent Solvent Constituents	Requires treatment mark which standard applies	Meets LDR treatment standards 40CFR268 Listed Waste Certify below
1	<input type="checkbox"/>	<input checked="" type="checkbox"/>		NWW WW		<input type="checkbox"/> Other <input type="checkbox"/> SOIL <input type="checkbox"/> DEBRIS	<input type="checkbox"/>
2	<input type="checkbox"/>	<input checked="" type="checkbox"/>		NWW WW		<input type="checkbox"/> Other <input type="checkbox"/> SOIL <input type="checkbox"/> DEBRIS	<input type="checkbox"/>
3	<input type="checkbox"/>	<input type="checkbox"/>		NWW WW		<input type="checkbox"/> Other <input type="checkbox"/> SOIL <input type="checkbox"/> DEBRIS	<input type="checkbox"/>
4	<input type="checkbox"/>	<input type="checkbox"/>		NWW WW		<input type="checkbox"/> Other <input type="checkbox"/> SOIL <input type="checkbox"/> DEBRIS	<input type="checkbox"/>

ADDITIONAL INFORMATION FOR CHARACTERISTIC CODES D001 to D043. (check one)

Some or all of these waste streams contain underlying hazardous constituents (UHCs) in excess of the treatment standard of 40CFR268.40.
These are indicated on the UHC/UTS table section of this LDR form or included on the waste profile.

There are no underlying hazardous constituents (UHCs) present in any of these waste streams.

SUBCATEGORY LETTER TABLE

D001	A	Ignitable except high TOC ignitable liquids
	B	High TOC (> 10%) ignitable liquid
D003	A	Reactive sulfide
	B	Reactive cyanide
	C	Water reactive
	D	Other reactive
D006	A	Cadmium non-battery
	B	Cadmium containing batteries
D008	A	Lead non-battery
	B	Lead acid batteries
D009	A	High mercury organic (>260 PPM Total Hg)
	B	High mercury inorganic (> 260 PPM Total Hg)
	C	Low mercury (< 260 PPM Total Hg)
	D	Mercury wastewater

SPENT SOLVENT WASTE CONSTITUENTS

For F001-F005 indicate number of constituent in above table	
1) acetone	15) methanol
2) benzene	16) methylene chloride
3) n-butyl alcohol	17) methyl ethyl ketone
4) iso-butyl alcohol	18) methyl isobutyl ketone
5) carbon disulfide	19) nitrobenzene
6) carbon tetrachloride	20) pyridine
7) chlorobenzene	21) tetrachloroethylene (Perc)
8) Cresols [o, m or p]	22) toluene
9) cresylic acid	23) 1,1,1-trichloroethane
10) cyclohexanone	24) 1,1,2-trichloroethane
11) o-dichlorobenzene	25) trichloroethylene
12) ethyl acetate	26) trichloromonofluoromethane
13) ethyl benzene	27) 1,1,2-trichloro-1,2,2-trifluoroethane
14) ethyl ether	28) xylenes

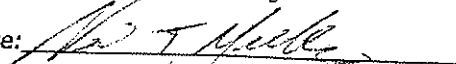
This SOIL CERTIFICATION per alternate soil treatment {268.49} for indicated [circle] items.

This is a hazardous waste contaminated soil. This contaminated soil does/does not contain listed hazardous wastes and does/does not exhibit a characteristic of hazardous waste and is subject to/complies with the soil treatment standards as provided by 268.49(c) or the universal treatment standards.

This Certification for material that meets treatment standards applies to the above listed items.

This is an EPA hazardous waste that meets all applicable treatment standards set forth in 40 CFR 268 subpart D, and can be landfilled without further treatment. I certify under penalty of law that I have personally examined and am familiar with the waste through analysis and testing or thorough knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR Part 268 Subpart D and all applicable prohibitions set forth in 40 CFR 268.32 or RCRA Section 3004(d). I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment.

CERTIFICATION- All section MUST be completed: I certify that all information on this and all associated documents is complete and accurate to the best of my knowledge.

Signature: 

Printed Name: Meit Miller

Title: Health Physicist on behalf of USACE

Date: 09/28/2010

February 15, 2011

John Busse
 USACE - NFSS FUSRAP Site
 1776 Niagra Street
 Buffalo, NY 14207

Broker: OP-TECH ENVIRONMENTAL SERVICES
 1 Adler Drive
 East Syracuse, NY 13057

Re: Certificate of Disposal
 USACE-NFS FUSRAP Site
 1397 Pletcher Road
 Lewiston, NY 14092

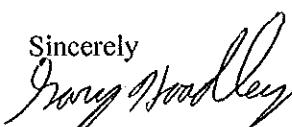
Dear Sir/Madam:

This letter is to certify that Cyclechem, Inc. (EPA ID No. PAD067098822) has accepted and processed the following shipments.

This acceptance is in accordance with all state & federal regulations and with the requirements set forth in Cycle Chem's Hazardous Waste Facility Permit.

Prod Code	Manifest In	Date In	Manifest Out	Date Out	Sent	Disposal Facility	Disposal Method
<i>*off-spec (orig)</i>							
UIK/R	001055592JK-1	10/01/2010	000851679JK	10/19/2010	1 x DF	Geocycle, LLC	fuels blending
CR1	001055592JK-2	10/01/2010	000851694JK	10/27/2010	1 x DF	GIANT RESOURCE RECOVERY INC	recycling/incineration

If there are any further questions about the management of your waste, please do not hesitate to call.

Sincerely

 Gary Hoadley
 General Manager



February 15,2011

John Busse
 USACE - NFSS FUSRAP Site
 1776 Niagara Street
 Buffalo, NY 14207

Broker:OP-TECH ENVIRONMENTAL SERVICES
 1 Adler Drive
 East Syracuse, NY 13057

Re: Certificate of Disposal
 USACE-NFS FUSRAP Site
 1397 Pletcher Road
 Lewiston, NY 14092

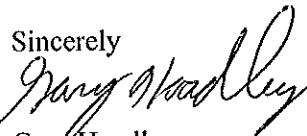
Dear Sir/Madam:

This letter is to certify that Cyclechem, Inc. (EPA ID No. PAD067098822) has accepted and processed the following shipments.

This acceptance is in accordance with all state & federal regulations and with the requirements set forth in Cycle Chem's Hazardous Waste Facility Permit.

Prod Code	Manifest In	Date In	Manifest Out	Date Out Sent	Disposal Facility	Disposal Method
<i>*off-spec (orig)</i>						
MD	001055591JK-1	10/01/2010	000853176JK	11/19/2010	1 x DM	AERC RECYCLING SOLUTIONS
UV1	001055591JK-2	10/01/2010	000851686JK	10/20/2010	1 x DF	Stablex Canada, Inc
AB	001055591JK-3	10/01/2010	000851724JK	11/21/2010	1 x DF	MICHIGAN DISPOSAL WASTE TREATMENT PLANT
AC	001055591JK-4	10/01/2010	09-11412	10/14/2010	1 x DF	Modern Landfill
						landfill

If there are any further questions about the management of your waste, please do not hesitate to call.

Sincerely

 Gary Hoadley
 General Manager



February 15,2011

John Busse
 USACE - NFSS FUSRAP Site
 1776 Niagra Street
 Buffalo, NY 14207

Broker:OP-TECH ENVIRONMENTAL SERVICES
 1 Adler Drive
 East Syracuse, NY 13057

Re: Certificate of Disposal
 USACE-NFS FUSRAP Site
 1397 Pletcher Road
 Lewiston, NY 14092

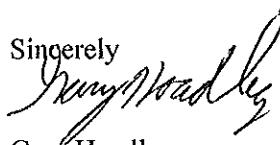
Dear Sir/Madam:

This letter is to certify that Cyclechem, Inc. (EPA ID No. PAD067098822) has accepted and processed the following shipments.

This acceptance is in accordance with all state & federal regulations and with the requirements set forth in Cycle Chem's Hazardous Waste Facility Permit.

Prod Code	Manifest In	Date In	Manifest Out	Date Out	Sent	Disposal Facility	Disposal Method
<i>*off-spec (orig)</i>							
LS	BOL00001A-1	10/01/2010	09-11396	10/09/2010	2 x DM	Modern Landfill	landfill
*LD (LS)	BOL00001A-1	10/01/2010	09-11396	10/09/2010	1 x DM	Modern Landfill	landfill
*LSB (LS)	BOL00001A-1	10/01/2010	09-11454	11/11/2010	1 x DM	Modern Landfill	landfill

If there are any further questions about the management of your waste, please do not hesitate to call.

Sincerely

 Gary Hoadley
 General Manager



APPENDIX H

Certificates of Disposal

WCS – Texas

**WASTE CONTROL
SPECIALISTS LLC**

Certificate of Disposal

Date of Certificate: 10/07/10

WCS
9998 W Hwy 176
Andrews, TX 79714
EPA ID No. TXD988088464

Reference

USACE-NFSS FUSRAP Site
1776 Niagara Street
Buffalo, NY 14207

WCS Profile #: WP-019634,WP-019635
Manifest: 000288444GBF
Received On: 10/04/10

This is to certify that the waste shipped to WCS on the above mentioned manifest was disposed of on 06-OCT-2010 in accordance with all applicable state, federal, and local regulations. The waste was disposed of in a WCS permitted chemical waste landfill.

I certify that the information contained in or accompanying this document is true, accurate, and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate, and complete

Sincerely,
WCS

Lisa Berta
TECHNICAL SUPPORT MANAGER

Corporate
5430 LBJ Freeway, Ste. 1700
Three Lincoln Centre
Dallas, TX 75240
Ph. 972.715.9800
Fx. 972.448.1419

Facility
P.O. Box 1129
Andrews, TX 79714
Ph. 888.789.2783
Fx. 505.394.3427

Trk# 413056 TPL# 63145

111101

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number N97890108973	2. Page 1 of 1	3. Emergency Response Phone 800-262-8700	4. Manifest Tracking Number 000288444 GBF		
5. Generator's Name and Mailing Address USAEC - NCSS FUSRAPSITE 1397 Fletcher Rd, Lewiston NY Generator's Phone: 716-940-1404 14092		Generator's Site Address (if different than mailing address)					
6. Transporter 1 Company Name LandStar Ranger, 1000 Simpson Rd, Rockford IL, 61102		U.S. EPA ID Number FLR 0000 67157					
7. Transporter 2 Company Name		U.S. EPA ID Number					
8. Designated Facility Name and Site Address Waste Control Specialist, LLC 9998 W. Hwy 176 Andrews, TX, 79714 Facility's Phone: 800-888-789-2783		U.S. EPA ID Number TX0 988 088444					
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) 1. DOT NOT REGULATED Materials, non-Haz Soil WP 019635	10. Containers No. 59	Type DM	11. Total Quantity 11.5 T	12. Unit Wt./Vol. 0015 3191	13. Waste Codes
		2. DOT Nonregulated Materials, non-Haz Soil WP 019635	4	DF	3.5 T	0015 3191	
		3. DOT Non regulated Materials, non-Haz Debris WP 019634	25	DM	43 T	0015 3191	
		4. DOT Non regulated Materials, non-Haz Debris WP 019634	1	DF	0.2 T	0015 3191	
		14. Special Handling Instructions and Additional Information (1) WP019635 (2) WP019635(3) w/019634(4) WP019634					
TRANSPORTER INT'L	15. 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. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.	Signature		Month 10	Day 29	Year 10	
	Generator's/Offeror's Printed/Typed Name Neil T Miller	<i>Neil T Miller</i>					
	16. International Shipments	<input type="checkbox"/> Import to U.S.	<input type="checkbox"/> Export from U.S.	Port of entry/exit:			
	Transporter signature (for exports only):				Date leaving U.S.:		
	17. Transporter Acknowledgment of Receipt of Materials	Signature		<i>MWB</i>			
Transporter 1 Printed/Typed Name Michael Brewster	<i>MWB</i>					Month 10	
Transporter 2 Printed/Typed Name	Signature					Day 29	
DESIGNATED FACILITY	18. Discrepancy						Year 10
	18a. 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:						
	18b. Alternate Facility (or Generator)						U.S. EPA ID Number
	Facility's Phone:						
	18c. Signature of Alternate Facility (or Generator)						Month 10
							Day 29
							Year 10
	19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)						
	1. H129 H132	2. H129 H132	3. H129 H132	4. H129 H132			
	20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a						
	Printed/Typed Name DUSTIN SHORT	Signature <i>DUSTIN SHORT</i>		Month 10	Day 14	Year 10	

WASTE CONTROL SPECIALISTS, LLC
ANDREWS, TEXAS (505) 394-4300

MANIFEST#(S) 0002BB444GBF

GENERATOR: USACE WP- 19634

TRANSPORTER: LANDSTAR CONT#- MULTI

ID NOTES: ID# 056/145

R.OFF DT VAN FLAT RAIL

INBOUND 66660 lb
LOOP ID 897

IN-DATE 10-04-10 TIME 9:41

OUT-DATE 10-04-10 TIME 12:44

SCHED.DATE _____ TIME _____

DESTINATION: DLF BSA CSA DROP

W. PAN 1 E.PAN 2 OUT _____

LOOP ID 897
66660 lb GROSS
36040 lb TARE
30620 lb NET

INITIALS: WEIGH-IN BS WEIGH OUT JH

COMMENTS: _____
10-104816 -

**WASTE CONTROL
SPECIALISTS LLC**

Certificate of Disposal

Date of Certificate: 10/07/10

WCS
9998 W Hwy 176
Andrews, TX 79714
EPA ID No. TXD988088464

Reference

USACE-NFSS FUSRAP Site
1776 Niagara Street
Buffalo, NY 14207

WCS Profile #: WP-019634, WP-019635
Manifest: 000288445GBF
Received On: 10/04/10

This is to certify that the waste shipped to WCS on the above mentioned manifest was disposed of on 06-OCT-2010 in accordance with all applicable state, federal, and local regulations. The waste was disposed of in a WCS permitted chemical waste landfill.

I certify that the information contained in or accompanying this document is true, accurate, and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate, and complete

Sincerely,
WCS



Lisa Berta
TECHNICAL SUPPORT MANAGER

Corporate
5430 LBJ Freeway, Ste. 1700
Three Lincoln Centre
Dallas, TX 75240
Ph. 972.715.9800
Fx. 972.448.1419

Facility
P.O. Box 1129
Andrews, TX 79714
Ph. 888.789.2783
Fx. 505.394.3427

Truck # 50084 T# 15 # 74C176

11308

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved: OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number N47890108973	2. Page 1 of 1	3. Emergency Response Phone 800-262-8200	4. Manifest Tracking Number 000288445 GBF		
Generator's Site Address (if different than mailing address) USACE - NFSS FUSRAP SITE 1397 Fletcher Road Lewiston NY Generator's Phone: 716-940-1404 1409Z							
5. Generator's Name and Mailing Address		U.S. EPA ID Number FLR000067157					
6. Transporter 1 Company Name		U.S. EPA ID Number U.S. EPA ID Number					
7. Transporter 2 Company Name							
8. Designated Facility Name and Site Address Waste Control Specialists LLC 9998 W. HWY 176 ANDREWS, TX 79714 Facility's Phone: 888-789-7783							
U.S. EPA ID Number TXD988088464							
GENERATOR	9a. HM		9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) DOT NON Regulated Materials, NON-HAZ So. I WP 019635	10. Containers No. 84	11. Total Quantity 19.5	12. Unit Wt./Vol. T	13. Waste Codes OUTS 3191
	1.						
	2.						
	3.						
	4.						
14. Special Handling Instructions and Additional Information 1. WP 019634mt 2. WP 019634 019635							
15. 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. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.							
Generator/Offeror's Printed/Typed Name Neil T Miller		Signature 		Month 09	Day 29	Year 10	
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S.							
Port of entry/exit: _____ Date leaving U.S.: _____							
Transporter signature (for exports only): _____							
TRANSPORTER INT'L	17. Transporter Acknowledgment of Receipt of Materials ELTON W. GILL		Signature 	Month 09	Day 29	Year 10	
	Transporter 1 Printed/Typed Name ELTON W. GILL		Signature 	Month 09	Day 29	Year 10	
	Transporter 2 Printed/Typed Name		Signature 	Month 09	Day 29	Year 10	
18. Discrepancy							
18a. 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: _____							
18b. Alternate Facility (or Generator) U.S. EPA ID Number: _____							
Facility's Phone: _____							
18c. Signature of Alternate Facility (or Generator) Month Day Year							
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems) 1. L5B 11/5/10 H132 2. L5B 10/5/10 H132 3. 4.							
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a							
Printed/Typed Name DUSTIN SHORT		Signature 					
Month Day Year 10 14 10							

WASTE CONTROL SPECIALISTS, LLC
ANDREWS, TEXAS (505) 394-4300

MANIFEST#(S) 000288445

GENERATOR: USACE WP-19634
TRANSPORTER: LANDSTAR CONT# - MULTI
ID NOTES: ID# 084/74017
 R.OFF DT VAN FLAT RAIL

INBOUND 77420 lb

LOOP ID 899

IN-DATE 10-04-10 TIME 9:51
OUT-DATE 10-04-10 TIME 12:39
SCHED.DATE _____ TIME _____

DESTINATION: DLF BSA CSA DROP

W. PAN 1 E.PAN 2 OUT _____

LOOP ID 899
77420 lb GROSS
35600 lb TARE
41820 lb NET

INITIALS: WEIGH-IN AL WEIGH OUT SH

COMMENTS: 10-104818 - 10-104921

**WASTE CONTROL
SPECIALISTS LLC**

Certificate of Disposal

Date of Certificate: 10/07/10

WCS
9998 W Hwy 176
Andrews, TX 79714
EPA ID No. TXD988088464

Reference

USACE-NFSS FUSRAP Site
1776 Niagara Street
Buffalo, NY 14207

WCS Profile #: WP-019634,WP-019635
Manifest: 000288432GBF
Received On: 10/04/10

This is to certify that the waste shipped to WCS on the above mentioned manifest was disposed of on 06-OCT-2010 in accordance with all applicable state, federal, and local regulations. The waste was disposed of in a WCS permitted chemical waste landfill.

I certify that the information contained in or accompanying this document is true, accurate, and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate, and complete

Sincerely,
WCS



Lisa Berta
TECHNICAL SUPPORT MANAGER

Corporate
5430 LBJ Freeway, Ste. 1700
Three Lincoln Centre
Dallas, TX 75240
Ph. 972.715.9800
Fx. 972.448.1419

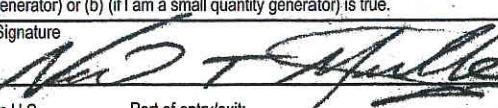
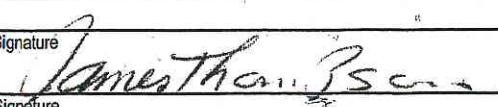
Facility
P.O. Box 1129
Andrews, TX 79714
Ph. 888.789.2783
Fx. 505.394.3427

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

TRCT# 565775 TLT# 30115

Form Approved. OMB No. 2050-0039

#11309

GENERATOR	1. Generator ID Number N97890108973	2. Page 1 of 1	3. Emergency Response Phone 800-262-8200	4. Manifest Tracking Number 000288432 GBF		
	5. Generator's Name and Mailing Address USAEC - NCSS FUSRAP SITE 1397 Fletcher Rd, Lewiston NY					
	Generator's Phone: 716-940-1404 14092					
	6. Transporter 1 Company Name Lowestar-Ranger, 1000 Simpson Rd, Rockford IL 61102					
	7. Transporter 2 Company Name U.S. EPA ID Number FLA 000067157					
	8. Designated Facility Name and Site Address Waste Control Specialists LLC 998 W. Hwy 176 Andrews, TX 79714					
	Facility's Phone: 888-789-2787					
TRANSPORTER INT'L	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) 1. DOT NOT REGULATED, NON HAZ Soil WP019635 2. DOT NOT REGULATED, NON HAZ Debris WP019634 3. DOT NON REGULATED, NON HAZ Soil WP019635 4.	10. Containers No. Type	11. Total Quantity 15 OM 3.8	12. Unit Wt./Vol. T	13. Waste Codes 00TS 391
DESIGNATED FACILITY	14. Special Handling Instructions and Additional Information (1) WP019635 (2) WP019634 (3) WP019635					
	15. 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. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.					
	Generator's/Officer's Printed/Typed Name Neil T Miller Signature  Month 09 Day 30 Year 10					
	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____					
	Transporter signature (for exports only): _____					
TRANSPORTER	17. Transporter Acknowledgment of Receipt of Materials					
	Transporter 1 Printed/Typed Name JAMES THOMPSON Signature  Month 09 Day 30 Year 10					
	Transporter 2 Printed/Typed Name _____ Signature _____ Month _____ Day _____ Year _____					
18. Discrepancy						
18a. 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: _____						
18b. Alternate Facility (or Generator) U.S. EPA ID Number _____						
Facility's Phone: _____						
18c. Signature of Alternate Facility (or Generator) _____ Month _____ Day _____ Year _____						
19. Hazardous Waste Report Management Method-Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)						
1. H132 2. H132 3. H132 4. _____						
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a						
Printed/Typed Name DUSTIN SHOLT		Signature 		Month 10 Day 14 Year 10		

WASTE CONTROL SPECIALISTS, LLC
ANDREWS, TEXAS (505) 394-4300

MANIFEST#(S) 000288432GBF

GENERATOR: USADE WP-19634/5

TRANSPORTER: LANDSTAR CONT# - MULTI

ID NOTES: ID# 525795

R.OFF DT VAN FLAT RAIL

INBOUND 44040 lb
LOOP ID 900

IN-DATE 10-04-10 TIME 13:36

OUT-DATE 10-04-10 TIME 14:42

SCHED.DATE _____ TIME _____

DESTINATION: DLF BSA CSA DROP

W. PAN 1 E.PAN 2 OUT _____

LOOP ID 900
44040 lb GROSS
33760 lb TARE
10280 lb NET

INITIALS: WEIGH-IN SK WEIGH OUT SD

COMMENTS:

10-104922 thru 10-104936

**WASTE CONTROL
SPECIALISTS LLC**

Certificate of Treatment

Date of Certificate: 10/06/2010

WCS
9998 W Hwy 176
Andrews, TX 79714
EPA ID No. TXD988088464

Reference

USACE-NFSS FUSRAP Site
1776 Niagara Street
Buffalo, NY 14207

WCS Profile#: WP-019636
Manifest: 000288433GBF
Received On: 10/04/10

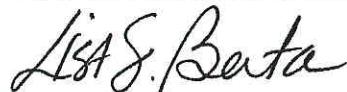
This is to certify that the waste on manifest line item one (1), shipped to WCS on the above mentioned manifest, was treated prior to disposal on 05-SEP-2010 in accordance with all applicable state, federal, and local regulations.

Treatment Batch Number	WCS Container ID	Customer Container ID
101004WI10-1.029	10-104817	Haz Mat Environmental Tanker

Liquids solidified prior to disposal.

I certify the liquid waste was solidified prior to disposal, and the waste was profiled by the generator as not holding RCRA codes or underlying hazardous constituents.

Sincerely,
WASTE CONTROL SPECIALISTS LLC



Lisa Berta
Technical Support Manager

Corporate

5430 LBJ Freeway, Ste. 1700
Three Lincoln Centre
Dallas, TX 75240
Ph. 972.715.9800
Fx. 972.448.1419

Facility
P.O. Box 1129
Andrews, TX 79714
Ph. 888.789.2783
Fx. 505.394.3427

**WASTE CONTROL
SPECIALISTS LLC**

Certificate of Disposal

Date of Certificate: 10/06/10

WCS
9998 W Hwy 176
Andrews, TX 79714
EPA ID No. TXD988088464

Reference

USACE-NFSS FUSRAP Site
1776 Niagara Street
Buffalo, NY 14207

WCS Profile #: WP-019636
Manifest: 000288433GBF
Received On: 10/04/10

This is to certify that the waste shipped to WCS on the above mentioned manifest was disposed of on 05-OCT-2010 in accordance with all applicable state, federal, and local regulations. The waste was disposed of in a WCS permitted chemical waste landfill.

I certify that the information contained in or accompanying this document is true, accurate, and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate, and complete

Sincerely,
WCS



Lisa Berta
TECHNICAL SUPPORT MANAGER

Corporate
5430 LBJ Freeway, Ste. 1700
Three Lincoln Centre
Dallas, TX 75240
Ph. 972.715.9800
Fx. 972.448.1419

Facility
P.O. Box 1129
Andrews, TX 79714
Ph. 888.789.2783
Fx. 505.394.3427

10-104NT

#114

Form Approved. OMB No. 2050-0039

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number N 97890108973	2. Page 1 of 1	3. Emergency Response Phone 800-262-8200	4. Manifest Tracking Number 000288433 GBF				
5. Generator's Name and Mailing Address US ACE - NCSS - FUSRAPSITE 1397 Fletcher Road Lewisburg, NY Generator's Phone: 716-940-1404 14092									
6. Transporter 1 Company Name HAZMAT Environmental Group 60 Concourse Drive, White Plains, NY 10606 Transporter 2 Company Name									
7. Transporter 2 Company Name U.S. EPA ID Number									
8. Designated Facility Name and Site Address Waste Control specialists LLC 998 W. Hwy 176 Andrews TX 79714 Facility's Phone: 888-789-7783 U.S. EPA ID Number TXD988085464									
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) 1. DOT NON Regulated Liquid; NON-HAZ Water WP 019636	10. Containers No. 1	11. Total Quantity 3,500	12. Unit Wt/Vol. 6	13. Waste Codes 0075 3191			
	2.								
	3.								
	4.								
14. Special Handling Instructions and Additional Information (1) WP 019636									
15. 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. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.									
Generator's/Officer's Printed/Typed Name Neil T Miller			Signature 			Month 09	Day 30	Year 10	
TRANSPORTER INT'L	16. International Shipments	<input type="checkbox"/> Import to U.S.	<input type="checkbox"/> Export from U.S.	Port of entry/exit:					
	Transporter signature (for exports only): 						Date leaving U.S.:		
17. Transporter Acknowledgment of Receipt of Materials									
Transporter 1 Printed/Typed Name Jim Amsmvs			Signature 			Month 09	Day 30	Year 10	
Transporter 2 Printed/Typed Name						Signature 	Month 	Day 	Year
DESIGNATED FACILITY	18. Discrepancy								
	18a. 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:								
	18b. Alternate Facility (or Generator)								
Facility's Phone:									
18c. Signature of Alternate Facility (or Generator)									
						Month 	Day 	Year 	
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)									
1. 10413211791	2.	3.	4.						
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a									
Printed/Typed Name Vincent Vargas			Signature 			Month 10	Day 04	Year 10	

WASTE CONTROL SPECIALISTS, LLC
ANDREWS, TEXAS (505) 394-4300

MANIFEST#(S)

GENERATOR: WES /USACE WP-19636
TRANSPORTER: WES CONT# -
ID NOTES: ID# 106/202
 R.OFF DT VAN FLAT RAIL

INBOUND 34020 lb
LOOP ID 894

IN-DATE 10-01-10 TIME 13:07
OUT-DATE 10-05-10 TIME 9:27
SCHED.DATE _____ TIME _____

DESTINATION: DLF BSA CSA DROP
 W. PAN 1 E.PAN 2 OUT

LOOP ID 894
66380 lb GROSS
34020 lb TARE
32360 lb NET

INITIALS: WEIGH-IN N8 WEIGH OUT P8
COMMENTS: _____

WASTE CONTROL SPECIALISTS, LLC
ANDREWS, TEXAS (505) 394-4300

MANIFEST#(S)

GENERATOR: WES WP-19636
TRANSPORTER: WES CONT# -
ID NOTES: ID# 106/208
 R.OFF DT VAN FLAT RAIL
INBOUND 66520 lb
LOOP ID 2
IN-DATE 10-05-10 TIME 9:19
OUT-DATE 10-05-10 TIME 9:34
SCHED.DATE _____ TIME _____

DESTINATION: DLF BSA CSA DROP
 W. PAN 1 E.PAN 2 OUT

LOOP ID 2
66520 lb GROSS
33640 lb TARE
32880 lb NET

INITIALS: WEIGH-IN N8 WEIGH OUT P8
COMMENTS: _____

WASTE CONTROL SPECIALISTS, LLC
ANDREWS, TEXAS (505) 394-4300

MANIFEST#(S)

GENERATOR: WES WP-
TRANSPORTER: WES CONT# -
ID NOTES: ID# 106/204
 R.OFF DT VAN FLAT RAIL

INBOUND 34020 lb
LOOP ID 895

IN-DATE 10-01-10 TIME 13:30
OUT-DATE 10-05-10 TIME 8:56
SCHED.DATE _____ TIME _____

DESTINATION: DLF BSA CSA DROP
 W. PAN 1 E.PAN 2 OUT

LOOP ID 895
65100 lb GROSS
34020 lb TARE
31080 lb NET

INITIALS: WEIGH-IN P8 WEIGH OUT P8
COMMENTS: _____

WASTE CONTROL SPECIALISTS, LLC
ANDREWS, TEXAS (505) 394-4300

MANIFEST#(S)

GENERATOR: USACE WP- 19636

TRANSPORTER: WCS CONT#-

ID NOTES: ID# 10/21/10 7
10-5-10

R.OFF DT VAN FLAT RAIL

INBOUND 57580 lb

LOOP ID 6

IN-DATE 10-05-10 TIME 9:49

OUT-DATE 10-05-10 TIME 9:58

SCHED.DATE _____ TIME _____

DESTINATION: DLF BSA CSA DROP

W. PAN 1 E.PAN 2 OUT _____

LOOP ID 6

57580 lb GROSS

33180 lb TARE

24400 lb NET

INITIALS: WEIGH-IN R WEIGH OUT PB

COMMENTS: _____

APPENDIX H

Certificates of Disposal

USEI – Idaho

CERTIFICATE OF DISPOSAL

January 12,2011

USACE- NFSS FUSRAP SITE
1397 PLETCHER ROAD
LEWISTOWN, NY 14092

This is to certify that waste as defined on Waste Manifest number 0103201101/ was received by U.S. Ecology, Inc., on 01/11/2011. The waste(s) were subsequently treated, if required by 40 CFR Part 268 and U.S. Ecology's permits and disposed of by 01/12/2011 in accordance with permits and laws regulating this facility.

Reference Number: 11011100259-0103201101-1-1

Material: 3 85 GALLON PLASTIC

Process: Direct Landfill

Management Code:

Facility: U.S. ECOLOGY IDAHO, INC.
20400 LEMLEY ROAD
GRAND VIEW, ID 83624
EPA ID: IDD073114654

Waste Type: NON HAZARDOUS WASTE

Customer: ECC

Printed Name: DONNA PULLEN

Signature:



Title: RECEIVING SUPERVISOR

CERTIFICATE OF DISPOSAL

January 12,2011

USACE- NFSS FUSRAP SITE
1397 PLETCHER ROAD
LEWISTOWN, NY 14092

This is to certify that waste as defined on Waste Manifest number 0103201101/ was received by U.S. Ecology, Inc., on 01/11/2011. The waste(s) were subsequently treated, if required by 40 CFR Part 268 and U.S. Ecology's permits and disposed of by 01/12/2011 in accordance with permits and laws regulating this facility.

Reference Number: 11011100259-0103201101-1-1

Material: 20 55 GALLON DRUM

Process: Direct Landfill

Management Code:

Facility: U.S. ECOLOGY IDAHO, INC.
20400 LEMLEY ROAD
GRAND VIEW, ID 83624
EPA ID: IDD073114654

Waste Type: NON HAZARDOUS WASTE

Customer: ECC

Printed Name: DONNA PULLEN

Signature:



Title: RECEIVING SUPERVISOR

CERTIFICATE OF DISPOSAL

October 11, 2010

USACE- NFSS FUSRAP SITE
1397 PLETCHER ROAD
LEWISTOWN, NY 14092

This is to certify that waste as defined on Waste Manifest number was received by U.S. Ecology, Inc., on 10/05/2010. The waste(s) were subsequently treated, if required by 40 CFR Part 268 and U.S. Ecology's permits and disposed of by 10/05/2010 in accordance with permits and laws regulating this facility.

Reference Number:

Material: 16 B25 BOX

Process: Direct Landfill

Management Code:

Facility: U.S. ECOLOGY IDAHO, INC.
20400 LEMLEY ROAD
GRAND VIEW, ID 83624
EPA ID: IDD073114654

Waste Type: NON HAZARDOUS WASTE

Customer: ECC

Printed Name: DONNA PULLEN

Signature:

Donna Pullen

Title: RECEIVING SUPERVISOR

APPENDIX I

Man-hour Reports

USACE Buffalo, NY. District
Contractor Monthly Man-Hour Report
(Ref. EM 385-1-1, page-17, para. 01.D.05c)

MONTH: 8 YEAR: 2010

PROJECT NAME	CONTRACTOR NAME	MANHOURS WORKED this Month	Civil or Military Funded	LOCATION (City & State)	# of Illness/Injury Cases	# of Days Away from Work Cases
Niagara Falls Storage Site Project, T&D of Remedial Investigation Derived and Legacy Waste	ECC	16	Civ / Mil	Lewiston, NY,	0	0
Niagara Falls Storage Site Project, T&D of Remedial Investigation Derived and Legacy Waste	I.C.E	8	Civ / Mil	Lewiston, NY	0	0
			Civ / Mil			
			Civ / Mil			
			Civ / Mil			
			Civ / Mil			
			Civ / Mil			
			Civ / Mil			

USACE Buffalo, NY. District
Contractor Monthly Man-Hour Report
(Ref. EM 385-1-1, page-17, para. 01.D.05c)

MONTH: 9 YEAR: 2010

PROJECT NAME	CONTRACTOR NAME	MANHOURS WORKED this Month	Civil or Military Funded	LOCATION (City & State)	# of Illness/Injury Cases	# of Days Away from Work Cases
Niagara Falls Storage Site Project, T&D of Remedial Investigation Derived and Legacy Waste	ECC	80	Civ / Mil	Lewiston, NY,	0	0
Niagara Falls Storage Site Project, T&D of Remedial Investigation Derived and Legacy Waste	I.C.E	64	Civ / Mil	Lewiston, NY	0	0
			Civ / Mil			
			Civ / Mil			
			Civ / Mil			
			Civ / Mil			
			Civ / Mil			
			Civ / Mil			

USACE Buffalo, NY. District
Contractor Monthly Man-Hour Report
(Ref. EM 385-1-1, page-17, para. 01.D.05c)

MONTH: 10 YEAR: 2010

PROJECT NAME	CONTRACTOR NAME	MANHOURS WORKED this Month	Civil or Military Funded	LOCATION (City & State)	# of Illness/Injury Cases	# of Days Away from Work Cases
Niagara Falls Storage Site Project, T&D of Remedial Investigation Derived and Legacy Waste	ECC	0	Civ / Mil	Lewiston, NY,	0	0
Niagara Falls Storage Site Project, T&D of Remedial Investigation Derived and Legacy Waste	I.C.E	0	Civ / Mil	Lewiston, NY	0	0
			Civ / Mil			
			Civ / Mil			
			Civ / Mil			
			Civ / Mil			
			Civ / Mil			
			Civ / Mil			
			Civ / Mil			

USACE Buffalo, NY. District
Contractor Monthly Man-Hour Report
(Ref. EM 385-1-1, page-17, para. 01.D.05c)

MONTH: 11 YEAR: 2010

PROJECT NAME	CONTRACTOR NAME	MANHOURS WORKED this Month	Civil or Military Funded	LOCATION (City & State)	# of Illness/Injury Cases	# of Days Away from Work Cases
Niagara Falls Storage Site Project, T&D of Remedial Investigation Derived and Legacy Waste	ECC	0	Civ / Mil	Lewiston, NY,	0	0
Niagara Falls Storage Site Project, T&D of Remedial Investigation Derived and Legacy Waste	I.C.E	0	Civ / Mil	Lewiston, NY	0	0
			Civ / Mil			
			Civ / Mil			
			Civ / Mil			
			Civ / Mil			
			Civ / Mil			
			Civ / Mil			

USACE Buffalo, NY. District
Contractor Monthly Man-Hour Report
(Ref. EM 385-1-1, page-17, para. 01.D.05c)

MONTH: 12 YEAR: 2010

PROJECT NAME	CONTRACTOR NAME	MANHOURS WORKED this Month	Civil or Military Funded	LOCATION (City & State)	# of Illness/Injury Cases	# of Days Away from Work Cases
Niagara Falls Storage Site Project, T&D of Remedial Investigation Derived and Legacy Waste	ECC	0	Civ / Mil	Lewiston, NY,	0	0
Niagara Falls Storage Site Project, T&D of Remedial Investigation Derived and Legacy Waste	I.C.E	0	Civ / Mil	Lewiston, NY	0	0
			Civ / Mil			
			Civ / Mil			
			Civ / Mil			
			Civ / Mil			
			Civ / Mil			
			Civ / Mil			

USACE Buffalo, NY. District
Contractor Monthly Man-Hour Report
(Ref. EM 385-1-1, page-17, para. 01.D.05c)

MONTH: 01 YEAR: 2011

PROJECT NAME	CONTRACTOR NAME	MANHOURS WORKED this Month	Civil or Military Funded	LOCATION (City & State)	# of Illness/Injury Cases	# of Days Away from Work Cases
Niagara Falls Storage Site Project, T&D of Remedial Investigation Derived and Legacy Waste	ECC	8	Civ / Mil	Lewiston, NY,	0	0
Niagara Falls Storage Site Project, T&D of Remedial Investigation Derived and Legacy Waste	I.C.E	8	Civ / Mil	Lewiston, NY	0	0
			Civ / Mil			
			Civ / Mil			
			Civ / Mil			
			Civ / Mil			
			Civ / Mil			
			Civ / Mil			

USACE Buffalo, NY. District
Contractor Monthly Man-Hour Report
(Ref. EM 385-1-1, page-17, para. 01.D.05c)

MONTH: 02 YEAR: 2011

PROJECT NAME	CONTRACTOR NAME	MANHOURS WORKED this Month	Civil or Military Funded	LOCATION (City & State)	# of Illness/Injury Cases	# of Days Away from Work Cases
Niagara Falls Storage Site Project, T&D of Remedial Investigation Derived and Legacy Waste	ECC	0	Civ / Mil	Lewiston, NY,	0	0
Niagara Falls Storage Site Project, T&D of Remedial Investigation Derived and Legacy Waste	I.C.E	0	Civ / Mil	Lewiston, NY	0	0
			Civ / Mil			
			Civ / Mil			
			Civ / Mil			
			Civ / Mil			
			Civ / Mil			
			Civ / Mil			