



**Bethel Services**  
A subsidiary of Bethel Native Corporation

**TRANSPORTATION AND DISPOSAL CLOSURE REPORT  
PCB WASTE TRANSPORT AND DISPOSAL PROJECT  
Port Heiden, Alaska**

**December 2013**

Contract No. W911KB-11-C-0026  
Bethel Services Inc. Project No. 2011103

Prepared For:

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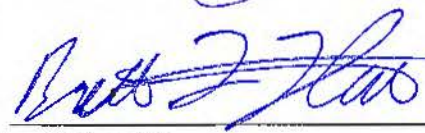
Contract No. W911KB-11-C-0026  
Bethel Services Inc. Project No. 2011103

This report has been prepared by Bethel Services Inc. (Bethel) and has been reviewed and approved for distribution.

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## Acronyms and Abbreviations

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ADEC	Alaska Department of Environmental Conservation
Aniakchak	Aniakchak Contractors LLC
Bethel	Bethel Services Inc.
CES	Civil Engineering Squadron
CFR	Code of Federal Regulations
CY	cubic yards
CWMN	Chemical Waste Management of the Northwest
DOT	U.S. Department of Transportation
DNR	Alaska Department of Natural Resources
ELM	ELM Solutions Corporation
EPA	U.S. Environmental Protection Agency
FAR	Federal Acquisition Regulation
FWS	U.S. Fish and Wildlife Service
Global	Global Diving and Salvage, Inc.
Jacobs	Jacobs Engineering
mg/kg	milligrams per kilogram
NVPH	Native Village of Port Heiden
NVPA CA	Native Village of Port Heiden Cooperative Agreement
PCB	polychlorinated biphenyl
ppm	parts per million
POP	Period of Performance
T	Short Tons
TSCA	Toxic Substances Control Act
TSDF	Transportation, Storage, and Disposal Facility
USACE	United States Army Corps of Engineers
USAF	United States Air Force
WM	Waste Management
WTDP	Waste Transport and Disposal Plan

## EXECUTIVE SUMMARY

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In September 2011, the United States Army Corps of Engineers (USACE), on behalf of the United States Air Force (USAF), retained Bethel Services Inc. (Bethel) to package, manifest, transport and dispose approximately 15 tons of polychlorinated biphenyl (PCB)-contaminated soil regulated under the Toxic Substances Control Act (TSCA), and 15,000 tons of non-TSCA regulated soil from Port Heiden, Alaska. The soil was previously characterized and stockpiled by Jacobs Engineering (Jacobs) under a separate contract. Characterization results established that PCB concentrations in soils to be removed from Port Heiden ranged from 1 to 60.6 parts per million (ppm); soils with PCB concentrations above 50 ppm are regulated under TSCA.

In January 2012, USACE issued Modification 001 to the contract in accordance with Federal Acquisition Regulations (FAR) Clause 52.217-7 to exercise increased quantity options for the disposal of an additional 15 tons of TSCA-regulated waste and an additional 22,000 tons of non-TSCA-regulated soil. The original period of performance (POP) anticipated that work would take place in 2011 and 2012. Due to unanticipated weather delays affecting barge transport in 2012, Modification 002 (dated November 2012) extended the original POP from December 31, 2012 to December 31, 2013, allowing for final transport and disposal to be completed in 2013. Modification 002 also changed the contract unit for tracking contaminated soil from tons to cubic yards (CY) to account for the Port Heiden soils being less dense than anticipated. This change is discussed in Section 4.2 of the report.

During the 2011 and 2012 field seasons, Bethel placed pre-staged TSCA-regulated and non-regulated waste soil into super sacks and weighed, manifested, placarded, labeled, and otherwise prepared the waste soil for transport through United States and Canadian waters. Bethel loaded the waste soil onto barges and managed the following: shipping by barge to port facilities in Washington State; transfer of waste soil to the Union Pacific Rail Yard for loading into rail cars; and transport to, and disposal at, appropriately-regulated Transportation, Storage, and Disposal Facilities (TSDFs). TSCA-regulated wastes were disposed at the Chemical Waste Management of the Northwest's (CWMN's) TSDF Landfill and non-regulated wastes were disposed of at Waste Management, Inc.'s (WM) Columbia Ridge TSDF; both located near Arlington, Oregon. Final disposal of identified TSCA and non-TSCA soil volumes was completed on August 26, 2013. From October 2011 to August 2013, a total of 50 tons (51.7 CY) of TSCA-regulated waste and 20,282 tons (25,628 CY) of non-TSCA wastes were removed from Port Heiden, transported and disposed.

Specific waste disposal amounts are summarized in Tables 1 and 2 in Section 3.0 of the report. Bethel provided USACE with Certificates of Disposal for the TSCA-regulated soil in accordance with 40 Code of Federal Regulations (CFR) 761. Copies of Certificates of Disposal for the completed project are provided in Appendix A of the report.

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## 1.0 INTRODUCTION

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Bethel Services Inc. (Bethel) was retained by the United States Army Corps of Engineers (USACE), on behalf of the United States Air Force (USAF) 611<sup>th</sup> Civil Engineering Squadron (CES) to provide services to remove, transport, and dispose of polychlorinated biphenyl (PCB)-contaminated soil stockpiles from Port Heiden, Alaska. Port Heiden is located 424 air miles southwest of Anchorage, Alaska on the north side of the Alaska Peninsula and is accessible by air and water transportation only.

The United States Air Force constructed and operated a Distant Early Warning Radio Relay Station near the Village of Port Heiden between 1955 and 1981. PCB-impacted soils were recently identified on the gravel road providing access to the radio station site from the Port Heiden airport (known locally as "Site Road").

USACE, under separate contract, removed and stockpiled PCB-impacted soils from site road for later packaging and transport. PCB concentrations in the majority of the soils removed were found to range from 1 to 49 milligrams per kilogram (mg/kg) and are not considered to be a hazardous waste under the Toxic Substances Control Act (TSCA). A limited volume of soil with PCB concentrations of 50 to 60.6 mg/kg were identified and were segregated for management, transportation, and disposal as hazardous waste under the provisions of TSCA.

The scope of work awarded to Bethel involved the packaging, staging and transport of PCB impacted soils from the stockpile locations to final disposal at off-site, regulated and licensed Transportation, Storage, and Disposal Facilities (TSDFs). The contract work was awarded in 2011 with initial contract quantities of 15,000 tons of non-regulated soil and 15 tons of TSCA regulated soil. The contract quantities were increased in 2012 through the exercise of contract options to include an additional 22,000 tons of non-regulated soil and an additional 15 tons of TSCA regulated soil.

General details of the scope of work, work completed, contract changes, and problems encountered and resolved are discussed within this Transportation and Disposal Closure Report.

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## **2.0 SCOPE OF WORK**

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The contract for this project was executed on September 16, 2011 and field work in Port Heiden began on September 28, 2011. Field work and waste disposal was completed by August 26, 2013. Key elements of the scope of work conducted and completed by Bethel are summarized in the following sections.

### **2.1 Planning Documents**

Bethel prepared and submitted a Waste Transportation and Disposal Plan (WTDP) in September 2011 to cover the planned work to be accomplished in 2011. A second plan was prepared and submitted in July 2012 to cover the remaining scope of work. The WTDPs provided an overview of the work, management, and waste tracking activities and procedures that would be used during each of the two planned field seasons. The WTDPs were provided to USACE and USAF 611<sup>th</sup> CES in draft form for review and comments were resolved and incorporated into the final documents. The period of performance (POP) was extended into 2013 to account for weather delays and soil removal schedules. Accordingly, the 2012 WTDP was modified appropriately to cover work occurring in 2013.

In addition to preparing the WTDPs, Bethel provided documentation that the TSDFs selected for disposal of the PCB impacted soils were in compliance and appropriately licensed and certified. TSCA-regulated soils were transported to a TSDF operated by Chemical Waste Management of the Northwest (CWMN) near Arlington, Oregon and non-TSCA regulated soils were disposed of at the Columbia Ridge Recycling and Landfill Facility operated by Waste Management, Inc. (WM) also located near Arlington, Oregon.

### **2.2 Waste Containers**

Bethel procured and delivered waste containers to the project site for use in packaging and transporting PCB impacted soils. Super sack, soft sided containers were selected for use on this project based on cost, ease of handling, containment, and worker safety. Initially, soils were packaged in super sacks with a nominal capacity of five cubic yards (CY), as this size of super sack is readily available in the market. As the project progressed, super sacks with a nominal capacity of 10 CY were used to reduce the amount of handling necessary to move the contaminated soils. The larger super sack size is generally special-order and requires lead time for manufacturing that precluded starting the project with the larger containers. The actual volumes of the super sacks, as indicated in the manufactures specifications, are 4.7 CY and 9.3 CY respectively. As the super sacks are filled in a frame that generally maintains the empty dimensions, the actual specified capacity has been used to estimate volumes in this report.

The super sacks used on the Port Heiden project were specified to meet requirements for Type I Industrial Packaging requirements under US Department of Transportation (DOT) specifications. Super sacks were used for packaging and transporting both TSCA regulated and non-TSCA regulated soils. Super sacks and appropriate filling, lifting, and transportation equipment were delivered to the site by barge.

### **2.3 Waste Profiles**

Analytical results and other waste information provided to Bethel by the USACE were used to prepare Waste Profiles for the Port Heiden soils. In September 2011, Bethel submitted Non-hazardous Waste Profile Sheet 109179OR and Hazardous Waste Profile Sheets OR306163 and OR306164 to the U.S. Environmental Protection Agency (EPA). EPA provided concurrence on September 27, 2011. Though the course of the project, PCB-impacted soils were also tracked, transported, and disposed under Waste Profile numbers 109179ORL, and 109325OR. Waste Profile Sheets were updated, as necessary, to keep them current throughout the period of project performance.

### **2.4 Manifest Packages**

Bethel prepared complete manifest packages for shipments of contaminated soil from Port Heiden. Manifest packages included:

- Uniform Hazardous or Non-Hazardous waste manifests as appropriate for each shipment.
- PCB control sheets and Land Disposal Restriction Notifications as applicable.
- Certified Generator Waste Material Profile Sheets and appropriate back-up.
- Signed Canadian Waste Transportation Manifests and Transit Notices, as applicable
- Bills of lading.

Manifest packages were provided to the USACE and USAF for review and approval and then provided to the appropriate TSDF prior to disposal. Certificates of Disposal were provided by the TSDF operators upon acceptance of the soil.

### **2.5 Placards and Waste Container Labels**

Each super sack of soil was assigned a unique tracking number and was appropriately labeled as hazardous or non-hazardous. Appropriate DOT hazard Class labels were provided on each container and labeling was developed and applied so as to remain in place throughout loading, transportation and acceptance at the TSDF. Appropriate placards and documentation were in place on transport vehicles.

### **2.6 Site Supervision, Field Work**

To the extent practicable, equipment and labor available in Port Heiden were utilized in the execution of this project. Equipment and labor were procured through the local Subcontractor Aniakchak Contractors, LLC (Aniakchak). Aniakchak provided heavy equipment, trucks, labor, and housing for Bethel personnel. Bethel provided supervisory personnel, who were on site during field operations, as well as additional equipment and labor as required to support the field efforts.

Bethel personnel provided overall project management, oversight of stockpile management, super sack filling and transport, super sack staging and storage, loading of barges for transport from Port Heiden, unloading of barges at the Port of Seattle in Seattle, Washington, transfer to and loading onto rail cars, and transportation of soils to the designated TSDFs. In general, the field procedure consisted of the following steps:

- Safety briefings were conducted at the beginning of each work shift.

- Stockpiled PCB impacted soils were uncovered and super sack filling was established within a containment area prepared adjacent to the stockpile.
- Super sacks were filled, closed, weighed, labeled, manifested, and loaded onto low-boy trailers for transport to the barge loading area.
- Loaded super sacks were staged at the barge loading area.
- When transport barges arrived, super sacks were loaded onto a lighter barge for transfer to larger transport barges. As there are no dock facilities located at Port Heiden with a sufficient draft to for large barges, lighter barges were used to transfer soils from shore to larger sea-going barges. Loading of the lighter barge was accomplished by building a temporary earthen ramp to access the beach where the barges were landed. Wave and current action required that the barge be repositioned during loading in 2011. In 2012, steel pipe piles were installed at the barge loading location to facilitate mooring of barges and improve barge operations. In 2013 10-CY super sacks were filled with clean soil and used to protect the temporary ramp from erosion. The earthen ramp was removed at the end of each field season; however, the steel piles were left in place and ownership was transferred to the village for Port Heiden for future use.

In 2011 the super sacks of soils were transported to Dillingham, Alaska where they were transferred to a larger, commercially scheduled barge for transport to the Port of Seattle in Washington State. For 2012 and 2013 transfer from the lighter barge to the transport barge took place at sea where the larger barges were anchored.

- Super sacks were secured on the transportation barge for shipment.
- Soils were shipped to the Port of Seattle where super sacks were unloaded from the barge, placed in trucks, transported to the Union Pacific rail yard, loaded into rail cars, and transported to the appropriate TSDF near Arlington, Oregon.
- Soils were accepted and processed by the appropriated TSDF for final disposal, and Certificates of Disposal were prepared and provided by the TSDFs.

At the conclusion of the field work, remaining onsite materials and equipment were sold to local residents, sold to other contractors for use on future projects at Port Heiden, or removed from the site by barge. Details of the field work completed in 2011, 2012, and 2013 are provided in Section 3.0. Copies of the Certificates of Disposal are provided in Appendix A and a photographic log of field activities is provided in Appendix B.

## **2.7 Project Coordination**

Throughout the POP, Bethel coordinated with the Native Village of Port Heiden (NVPH), USACE, USAF, EPA, Alaska Department of Natural Resources (DNR), The U.S. Fish and Wildlife Service (FWS), the U.S. Coast Guard, Environment Canada, Curyung Tribal Council, and other contractors. Key correspondence and coordination efforts to keep project stake holders informed and coordinate efforts required for successful project completion are detailed in project monthly reports submitted during periods of activity throughout the POP.

## **2.8 Progress Reporting and Waste Tracking**

Bethel prepared and submitted daily reports during active field work and monthly summary reports were provided during periods when work was progressing. These reports provided details on production, shipping, contractual and operational issues, and resolutions.

A waste tracking system was developed and implemented by assigning unique identification numbers to each super sack of waste soil. Super sacks were tracked by the identification number, weight, date of staging, date of loading, and date of disposal. Bethel concurrently prepared corresponding waste tracking summary sheets which were provided to the USACE.

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### **3.0 WASTE REMOVAL, TRANSPORT, AND DISPOSAL**

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Field work was conducted at Port Heiden in 2011, 2012, and 2013 to package, transport and dispose of PCB impacted soils following the general scope of work outlined in the previous section. This section provides details of work completed in each of the three field seasons.

#### **3.1 2011 Removal, Transportation and Disposal**

Bethel mobilized to the Port Heiden project site with 5-CY super sacks and other equipment in September 2011. Filling and staging of super sacks commenced on September 23, 2011 and by the end of the month, 200 super sacks of non-TSCA regulated soil and 2 super sacks of TSCA-regulated soil were loaded and staged for transport. Bethel temporarily demobilized from the site pending the arrival of the transport barge.

Late season weather conditions delayed the arrival of the transport barge until the end of October. On November 3, 2011, Bethel returned to Port Heiden and commenced loading of the staged super sacks of soil. Two 5-CY super sacks of TSCA-regulated and 112 5-CY super sacks of non-regulated waste soil were loaded on to Alaska Logistics' *Madison Rose* barge before poor weather and sea conditions prevented further loading efforts. For the 2011 transportation, the smaller *Madison Rose* was transported to docking facilities in Dillingham, Alaska where super sacks were transferred to a larger commercial barge, the *Logistics Provider*, and consolidated with other cargo bound for the Port of Seattle. During the transfer operations, a wooden flat used to transfer the 5-CY super sacks failed and one 5-CY super sack of non-regulated soil fell into the water (See Section 5.1 for details on this incident).

The remaining 111 super sacks of non-regulated soil and two super sacks of TSCA-regulated soil were transported to Seattle, Washington where ELM Solutions Corporation (ELM), a subcontractor to Bethel, took possession of the soil for transport to the TSDFs. The *Logistics Provider* arrived in the Port of Seattle in early December 2011 and the super sacks of soil were unloaded on December 8 and 9, 2011. Super sacks were removed from the barge and placed into trucks, transported to the Union Pacific Rail Yard and transferred to rail cars for delivery to the TSDFs. Soils arrived at the respective TSDFs on December 22, 2011. A total of 8.6 tons of TSCA-regulated and 556 tons of non-regulated waste soil were transported from Port Heiden to the respective facilities. Certificates of Disposal for soils transported and disposed in 2011 were provided to USACE on January 9, 2012. Copies of the Certificates of Disposal are provided in Appendix A and the quantities of soil disposed are summarized in Tables 1 and 2 at the end of this section.

Weather conditions delayed the travel of the *Logistics Provider* across the Gulf of Alaska and arrival of the two super sacks of PCB-contaminated soil regulated under TSCA was delayed beyond the 45-day window allowed in the regulations. Bethel notified the EPA by telephone and e-mail of the delay and provided the required information to the USAC/USAF necessary to submit a Waste Manifest Exception Report (See Section 5.3 for more information).

On November 15, 2011, Bethel attempted to re-mobilize to Port Heiden to load the remaining super sacks of soil. However, weather conditions prevented safe barge operations at that time. Bethel prepared a Technical Memorandum for the temporary storage of the remaining super sacks at Port Heiden for removal and transport in 2012. The Alaska Department of

Environmental Conservation (ADEC) approved the temporary storage plan and on November 23, 2011 the remaining super sacks were moved to a lined containment area and covered with a secured top liner.

### **3.2 2012 Removal, Transportation and Disposal**

Three distinct field efforts were completed in 2012: removal, transport and disposal of soils remaining from the 2011 season; packaging and preparation of PCB contaminated soils generated in 2012; and transportation and disposal of 2012 soils.

Sea ice conditions in May 2012 delayed the mobilization of a transportation barge to Port Heiden and field efforts originally planned to start in early May were delayed until May 16, 2012. The transportation barge was originally scheduled to sail from Dutch Harbor, Alaska on May 10, 2012; the barge was able to sail on May 20, 2012. Bethel personnel mobilized on May 15, 2012 to complete packaging of 2011 soils and prepare for barge transportation.

Prior to the start of barge operations, five 24-inch diameter, 60-foot long galvanized pipe piles were installed in the inter-tidal zone at the barge loading area to provide mooring for lighter barges. The piles were placed at approximately 40-, 80-, 140-, 260-, and 380-feet from shore and were driven with a vibratory hammer to an embedment depth of 40 feet. To support the installation of the mooring piles, Bethel coordinated with and secured permits from USACE, FWS, and DNR. Upon completion of the project, the mooring pilings were turned over to the City of Port Heiden for future use.

The first barge for 2012, the *Seabeck*, arrived at Port Heiden on May 21, 2012 and loading operations commenced on May 23, 2012. A total of 199 5-CY super sacks of non-TSCA regulated soil were loaded on to the barge by May 24, 2012. The *Seabeck* arrived in Seattle, Washington and the soils were off loaded June 11 and 12, 2012 and soils were accepted at the WM Columbia Ridge TSDF on June 12 and 13, 2012.

By June 20, 2012, soil stockpiled in 2011 had been placed in 10-CY super sacks which were staged for transport. At the completion of the initial field effort, soil stockpiles from 2012 activities were not ready for loading and transport; accordingly, Bethel temporarily demobilized from Port Heiden. During this demobilization, one of the front loaders supplied by the local contractor, Aniakchak, to support field operations became inoperable. Bethel arranged to barge another loader to the project site in time to support the remaining 2012 field work.

On July 10, 2012 the second field effort started and soils generated during the 2012 field season were loaded into super sacks and staged for transportation. Bethel was informed that 900 tons of soil was generated under the Native Village of Port Heiden Cooperative Agreement (NVPH CA). Soils generated by the NVPH CA were processed and transported concurrently with soils generated by Jacobs Engineering Inc. (Jacobs) under a separate contract with USACE; transportation and disposal documentation were managed to clearly indicate the correct generator of the soil. This second field effort for the season was completed on August 2, 2012 with approximately 14,000 CY of soil in 5- and 10-CY super sacks staged for transport.

The third and final field effort for 2012 began on August 16, 2012 with five barges (*Seabeck*, *Western*, *Eglon*, *KRS 230-7*, and *KRS 200-10*) mobilizing to Port Heiden. Lighter operations were carried out at high tide between August 22 and September 11, 2012 to load the transport barges.

By the conclusion of the effort to load the initial five barges, weather conditions were delaying barges en-route from Alaska to Seattle, Washington. Although there were still packaged soils in Port Heiden, Bethel determined that additional barge operations during 2012 could not be safely conducted.

Barges arrived and were unloaded in Seattle, Washington between September 20 and October 11, 2012. 41.4 tons of TSCA-regulated soils were transported to the CWMN TSDf for disposal and arrived at that facility on October 12, 2012. Non-regulated soils from the final five barges were transported to the WM Columbia Ridge TSDf and arrived at that facility between September 21 and October 18, 2012. Including the non-regulated soil disposed in June 2012, 11,812 tons of non-regulated waste soil were removed from Port Heiden and transported to the Columbia Ridge TSDf for disposal in 2012. Certificates of Disposal for soil disposed in 2012 were provided to USACE/USAF on March 14, 2013 and copies are provided in Appendix A.

Approximately 10,500 CY of packaged, non-TSCA regulated soil remained in Port Heiden when barge operations were suspended at the end of the 2012 season. A Technical Memorandum was prepared and approved by ADEC to store the remaining soil in Port Heiden over the winter for transport in 2013. The remaining super sacks of soil were placed in a lined containment area and covered with a liner. The remaining super sacks were staged and covered on October 8, 2012. The POP for the contract was extended to December 31, 2013 under Modification 002 to accommodate removal of the remaining soils.

In 2012, a discrepancy was noted in the weight to volume ratio for waste soils that had been assumed in the contract documents. The contract unit of measure was revised through a no-cost change to the contract from tons to CY to better facilitate project tracking. See Section 4.2 for additional information.

### **3.3 2013 Removal, Transportation and Disposal**

Field work for 2013 began in early July 2013 and three barges (*Seabeck*, *Klinkwan*, and *Baranof Provider*) arrived in Port Heiden between July 5 and 8, 2013. The Baranof Provider was the lighter barge used to transfer super sacks to the other two barges. Lighter operations were initiated and the remaining 1,126 super sacks of non-regulated soils were loaded. The two transport barges departed Port Heiden between July 11 and 15, 2013 and arrived in Seattle, Washington between July 25 and 28, 2013.

Certificates of Disposal document 7,914 tons of non-regulated waste soil were disposed at the WM Columbia Ridge TSDf between 26 July and 5 August 2013. Certificates of Disposal for 2013 are provided in Appendix A. No TSCA regulated soils were transported in 2013.

### **3.4 Soil Disposal Summary**

Table 1 presents a summary of non-TSCA regulated PCB-impacted soils removed, transported and disposed during the POP for this contract. Over the course of the project, 20,282 tons of non-TSCA regulated PCB impacted soils were removed from Port Heiden and delivered to the Columbia Ridge TSDf for disposal. Table 2 provides a summary of TSCA-regulated PCB impacted soils removed, transported and disposed during the contract POP. 50 tons of TSCA-regulated PCB-impacted soils were removed from Port Heiden and delivered to the CWMN TSDf for final disposal.



Volumes in the table are estimated based on the number of super sacks and the manufactures specified volume. Super Sack counts were taken from on-site loading records and tracking sheets. Waste soils are accepted at the TSDFs by weight and this reported weight has been used to develop the summary tables.

**Table 1: Non-TSCA PCB-Contaminated Soil Quantities, 2011-2013**

Load Event	Barge	Generator	Super Sack Size <sup>1</sup> (CY)	Super sack Count	Weight* (T)	Volume* (CY)
<b>Non-TSCA Waste Quantities</b>						
Fall 2011	<i>Logistics Provider</i>	Jacobs	5	111 <sup>2</sup>	556	522
<b>2011 SUBTOTAL</b>				<b>111</b>	<b>556</b>	<b>522</b>
Spring 2012	<i>Seabeck</i>	Jacobs	5	107	484	503
		CA	5	92	558	432
Fall 2012	<i>Seabeck</i>	CA	5	190	1,307	893
		Jacobs	10	357	2,437	3,320
Fall 2012	<i>Western</i>	Jacobs	10	489	3,378	4,548
Fall 2012	<i>Eglon</i>	Jacobs	10	321	2,197	2,985
Fall 2012	<i>KRS 230-7</i>	Jacobs	10	110	759	1,023
Fall 2012	<i>KRS 200-10</i>	Jacobs	10	100	692	930
<b>2012 SUBTOTAL</b>				<b>1,766</b>	<b>11,812</b>	<b>14,634</b>
Summer 2013	<i>Seabeck</i>	Jacobs	10	635	4,604	5,906
Summer 2013	<i>Klinkwan</i>	Jacobs	10	491	3,310	4,566
<b>2013 SUBTOTAL</b>				<b>1,126</b>	<b>7,914</b>	<b>10,472</b>
<b>Non-TSCA TOTAL</b>				<b>3,003</b>	<b>20,282</b>	<b>25,682</b>

T – Short Tons

Notes: 1 - Super sack size listed in the nominal capacity

2 - 112 super sacks were loaded in Port Heiden, one super sack was lost in Dillingham during barge transfer

**Table 2: TSCA PCB-Contaminated Soil Quantities, 2011-2013**

Load Event	Barge	Generator	Super Sack Size (CY)	Super Sack Count	Weight* (T)	Volume* (CY)
<b>TSCA Waste Quantities</b>						
Fall 2011	Logistics Provider	Jacobs	5	2	8.6	9.4
Fall 2012	KRS 200-10	Jacobs	5	9	41.4	42.3
<b>TSCA TOTAL</b>				<b>11</b>	<b>50</b>	<b>51.7</b>

## 4.0 CONTRACT MODIFICATIONS

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The original contract (No. W911KB-11-C-0026) was awarded to Bethel in September 2011 with a POP through December 31, 2012 and contract quantities of 15 tons of TSCA regulated soil and 15,000 tons of non-TSCA regulated soil. During the execution of the contract, two contract modifications were issued, as noted below.

### 4.1 Modification 001 – Increased Quantities

The original contract included two optional tasks; Optional Task 9 for the transportation and disposal of additional quantities of non-TSCA regulated waste and Optional Task 10 for the transportation and disposal of additional quantities of TSCA regulated waste. Modification 001 (dated 20 January 2012) exercised both optional tasks in accordance with Federal Acquisition Regulations (FAR) Clause 52.217-7 for disposal of an additional 15 tons of TSCA-regulated waste and an additional 22,000 tons of non-TSCA regulated waste. Modification 001 effectively increased the total quantity of TSCA and non-TSCA waste soil disposal from a combined total of 15,015 tons to 37,030 tons.

### 4.2 Modification 002 – Contract Units and Period of Performance

In early August 2012, Bethel notified USACE of a weight vs. volume contractual issue. The contract specified that soil quantities be tracked in tons and was based on the industry accepted average soils density of 1.5 tons per CY of soil. Under the original terms of the contract, as modified by Modification 001, 25,000 CY of soil with an anticipated weight of 37,000 tons were to be transported and disposed. However, the soil being removed was found to be less dense (as low as .84 tons per cubic yard than anticipated in the contract documents. The less dense soil impacted project progress tracking; in August 2012, an estimated 19,497 CY of soil with a cumulative weight of 16,443 tons had been prepared for transportation and disposal. Tracking the project by weight provided a percent complete calculation of 44 percent complete, while tracking by volume the contract was 80 percent complete.

The lower density soil impacted transportation of the soil, as volume, rather than weight, became the controlling factor for barge capacity and increased the number of super sacks and barges required for transport. However, waste disposal costs were based on weight and the lower density soil reduced the overall cost associated with final disposal of soils. Bethel requested a meeting with USACE representatives in October 2012 to discuss the issue. As agreed in the October 2012 meeting, Bethel prepared a request for a no-additional-cost modification to contract. Under the terms of Modification 002, the contract price was based on transportation and disposal of 25,000 CY of waste soil rather than on the 37,000 tons of anticipated weight. Bethel submitted this unit modification adjustment request to USACE on 8 November 2012. Modification 002 was issued in November 15, 2012, and adjusted the quantity/weight measurement units of disposal from tons to CY at no additional cost.

As final disposal of the soil was the primary objective of the project, and disposal was based on weight, the final quantities provided in this report are based on tonnage as recorded on the Certificated of disposal and the volume as estimated from the nominal volume of the super sacks.

Modification 002 also extended the original POP from December 31, 2012 to December 31, 2013. As noted in Section 3.2, unanticipated weather delays affecting barge transport required the extension to the POP to allow final removal, transportation and disposal to be completed in 2013.

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## 5.0 ISSUES ENCOUNTERED AND RESOLUTIONS

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Details related to specific events cited in Section 3.0 related to issues encountered and resolutions to the issues implemented during the execution of this project are provided in this section.

### 5.1 Super Sack Recovery Effort

On November 4, 2011, while Bethel's barge subcontractor, Alaska Logistics, LLC, was transferring the super sacks from a smaller barge (*Madison Rose*) to a larger commercial barge (*Logistics Provider*) at the Dillingham, Alaska dock, a wooden flat used to transfer the super sacks failed and one 5-CY super sack of non-regulated soil fell into the water between the barges. Alaska Logistics filed a Spill Report and Incident Report with ADEC and the U.S. Coast Guard summarizing the incident. On November 15, 2011, Alaska Logistics retained Global Diving and Salvage Inc. (Global) to conduct a site visit in Dillingham to assess conditions relative to using an industrial diver to recover the lost super sack. Global concluded that a recovery effort was neither practical nor safe to attempt during the winter months when ice flows are present in the Nushagak River. Global provided a report detailing their findings and concerns, dated November 17, 2011.

Bethel submitted the Global report to USACE and participated in a November 22, 2011 meeting held at ADEC offices, wherein other options for recovery were discussed. Based on the outcome of these meetings, Alaska Logistics agreed to retain Global to return to Dillingham in the spring of 2012 and attempt to recover the super sack

On January 20, 2012, a representative from Bethel, along with representatives from the USAF 611<sup>th</sup> CES and ADEC attended two public meetings held in Dillingham to keep the public and interested parties informed. Alaska Logistics representatives were also present during these meetings.

During the week of June 4, 2012, Global returned to Dillingham with a dive team and attempted to locate and recover the lost super sack. Divers were unable to locate the super sack in the area where it entered the water or within a reasonable search distance from that point. Accordingly, parties agreed that the super sack was likely transported out to sea by ice and currents and was not recoverable.

### 5.2 Weather Delays

In 2011 and 2012 weather conditions delayed shipping efforts near the end of the field season resulting in a need to stage filled super sacks in Port Heiden. As over-wintering filled super sacks was not in the approved work plan, Bethel prepared technical memorandums that detailed work completed during the field season, reasons for the shipping delay, amount of soil to be overwintered and provided a winter storage plan. Filled super sacks were moved to a lined storage location away from the beach, stacked and covered with a liner.

In both years high winds resulted in tears in the cover liner during the winter storage period. During winter 2011-2012, the tear in the liner was in a location that did not directly expose any super sacks and an inspection of the super sacks prior to transport found no damage or adverse effects related to the torn liner.

The cover liner was again torn by high winds in early spring 2013. As the super sacks being used were rated as Type 2 industrial packaging, the top and bottom liner in the storage area functioned as secondary containment. Since the tear occurred late in the storage season, no adverse impacts from the limited exposure of the super sacks were anticipated. The super sacks were inspected prior to transport and no adverse effects related to the torn cover were found.

### **5.3 Exception Reports, Notices of Violation, and Discrepancy reports**

Winter conditions slowed the *Logistics Provider* barge in transit from Dillingham, Alaska to Seattle, Washington in 2011. As a result, the statutory 45-day transport window mandated in TSCA regulations was exceeded for the two 5-CY super sacks of TSCA regulated soils transported from Port Heiden. Shipping delays that exceed the 45 day time frame require the submission of a Manifest Exception Report to the EPA.

The 45 day shipping window for the TSCA regulated soils ended on December 17, 2011; Bethel provided e-mail and telephone notification of the delay to the EPA on December 15, 2011 and Bethel provided the relevant information to the USACE and USAF required for submitting a Manifest Exception Report. The USAF informed Bethel that the exception report was submitted on December 16, 2011. The TSCA regulated soils arrived and were accepted at the TSDF in Oregon on December 22, 2011. See Appendix C for a copy of the e-mail notification to the EPA and a copy of the e-mail from the USAF noting that the reporting requirement was complete.

There were no Notices of Violation or Discrepancy Reports related to this project.

## 6.0 CONCLUSION

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During the period of September 15, 2011 through August 26, 2013, Bethel successfully packaged, manifested, staged, loaded, transported, transferred and disposed 50 tons (51.7 CY) of TSCA regulated, PCB impacted soils and 20,282 tons (25,628 CY) of non-TSCA regulated, PCB impacted soils from Port Heiden. Weights used to develop this report are based on the certified scales at the respective TSDFs as reported on the Certificates of Disposal provided after receipt and final disposal of the PCB impacted soils. Volume in cubic yards is based on the manufactures' specified super sack capacity and is considered to be an estimate.

The project was completed in compliance with applicable regulatory standards and reporting requirements with one Manifest Exception report required due to transportation delays due to weather. Worker safety and protection of the local environment were priorities of the project and work was completed safely and without reportable or lost time injuries.

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# **APPENDIX A**

## **Certificates of Disposal**

*2011-2013*



## **2011 TSCA Regulated Soil**





**CHEMICAL WASTE MANAGEMENT OF THE NW**

17629 Cedar Springs Lane  
Arlington, OR 97812  
(541) 454-2643  
(541) 454-3279 Fax

USAF PORT HEIDEN RRS  
AK3210890080  
N 56 DEG 57' 53", W 158 DEG  
PORT HEIDEN AK 99549

**CERTIFICATE OF DISPOSAL**

Chemical Waste Management of the Northwest, Inc., ORD089452353, has received the following waste material and certifies that the material has been landfilled in accordance with 40 CFR part 761 as it pertains to the land disposal of Polychlorinated Biphenyl contaminated materials.

GENERATOR:	USAF PORT HEIDEN RRS
MANIFEST #:	005528562JJK
LINE ITEM:	9b.1
PROFILE #:	OR306163
CWM TRACKING ID:	416822-01
RECEIVED DATE:	12/22/11
DISPOSAL METHOD:	LANDFILL

<u>DRUM #(S)</u>	<u>DISPOSAL DATE</u>	<u>DISPOSAL LOCATION</u>
T-1	12/22/11	LANDFILL 14
T-2	12/22/11	LANDFILL 14

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615) 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.

Ashley Osborne

CWMNW RECORDS DEPARTMENT

Date

01/04/12

WT ALB22 se

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>	1. Generator ID Number <b>AK3210890080</b>	2. Page 1 of <b>2</b>	3. Emergency Response Phone <b>425-638-9739</b>	4. Manifest Tracking Number <b>005528562 JJK</b>
---	---	-----------------------	--	---

5. Generator's Name and Mailing Address <b>USAF PORT HEIDEN RRS 811<sup>th</sup> CES/CEAN, 10471 20<sup>th</sup> St., Suite 302 ELMENDORF AFB, AK 99506-2200</b>	Generator's Site Address (if different than mailing address) <b>USAF PORT HEIDEN RRS 56 DEG 57' 53" N, 158 DEG 36' 36" W PORT HEIDEN, AK 99548</b>
Generator's Phone: <b>907-552-2894</b>	

6. Transporter 1 Company Name <b>Alaska Logistics, Inc.</b>	U.S. EPA ID Number <b>WAD988470647</b>
7. Transporter 2 Company Name <b>Roadlink</b>	U.S. EPA ID Number <b>WAH000016683</b>

8. Designated Facility Name and Site Address <b>CWMIW - ARLINGTON 17629 CEDAR SPRINGS LANE ARLINGTON, OR 97812</b>	U.S. EPA ID Number <b>ORD089452353</b>
Facility's Phone: <b>541-454-2643</b> <span style="float: right;"><b>ORD089452353</b></span>	

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes	
		No.	Type				
1.	MATERIAL NOT REGULATED BY DOT	2	BA	7963	K	X002	
2.							
3.							
4.							

**WMXU-6118**

14. Special Handling Instructions and Additional Information <b>1. PROFILE FOR SUBS, PCB CONTAMINATED SOIL 50-83 PPM -3881K -3882K BAG # T-1, T-2 - 12/30/11 Out of Service Date: 9/30/11 per Rick Reines/Forestry NW</b>	<b>CERTIFICATES OF TREATMENT, RECYCLING, OR DISPOSAL REQUIRED</b>
--	---

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 <b>LARRY K FELLEGRIANO</b>	Signature 	Month Day Year <b>11/09/11</b>
--	---------------	-----------------------------------

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.:
--	---

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name <b>David Colman</b>	Signature 	Month Day Year <b>11/2/11</b>
---	---------------	----------------------------------

Transporter 2 Printed/Typed Name <b>ANATOLY</b>	Signature 	Month Day Year <b>12/15/11</b>
--	---------------	-----------------------------------

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:

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. <b>4132</b>	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 <b>Sue McAhren</b>	Signature 	Month Day Year <b>12/22/11</b>
--	---------------	-----------------------------------

AMS



**Chemical Waste Management  
Of The Northwest**



17629 Cedar Springs Lane  
Arlington, Oregon 97812  
541-454-2643  
EPA I.D.# ORDO89452353

LOAD NO. \_\_\_\_\_

MANIFEST DOC. NO. \_\_\_\_\_

# 6118

INBOUND  
T/D: 14:16:52 2011-12-22  
ID: 416822 TRK ID: 6118  
62820 lb G

OUTBOUND  
T/D: 14:29:30 2011-12-22  
ID: 416822 TRK ID: 6118  
62820 lb G  
45650 lb PT  
17140 lb N

NET 8.57 TONS

GENERATOR USAF - Port Heiden



## **2012 TSCA Regulated Soil**





CHEMICAL WASTE MANAGEMENT OF THE NORTHWEST  
17629 Cedar Springs Lane  
Arlington, OR 97812

CWM OF THE NORTHWEST  
Federal EPA ID: ORD089452353  
17629 CEDAR SPRINGS LANE  
ARLINGTON, OR 97812

USAF PORT HEIDEN RRS  
ATTN: MANIFEST SECTION  
AK3210890080  
N 56 DEG 57' 53"W, W 158 DEG  
PORT HEIDEN AK 99549

CERTIFICATE OF DISPOSAL  
-----

CWM OF THE NORTHWEST, EPA ID: ORD089452353, has received waste material from USAF PORT HEIDEN RRS on 10/04/12 as described on Shipping Document number 007841656JJK. CWM OF THE NORTHWEST hereby certifies that the above described material was landfilled in accordance with the 40 CFR part 761 as it pertains to the land disposal of polychlorinated biphenyl contaminated materials.

Profile Number: OR306163  
CWM Tracking ID: 42204501

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) 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.

CWMNW RECORDS DEPARTMENT  
Certificate # 183224  
10/09/12



CHEMICAL WASTE MANAGEMENT OF THE NORTHWEST  
17629 Cedar Springs Lane  
Arlington, OR 97812

CWM OF THE NORTHWEST  
Federal EPA ID: ORD089452353  
17629 CEDAR SPRINGS LANE  
ARLINGTON, OR 97812

USAF PORT HEIDEN RRS  
ATTN: MANIFEST SECTION  
AK3210890080  
N 56 DEG 57' 53" W 158 DEG  
PORT HEIDEN AK 99549

CERTIFICATE OF DISPOSAL  
-----

CWM OF THE NORTHWEST, EPA ID: ORD089452353, has received waste material from USAF PORT HEIDEN RRS on 10/04/12 as described on Shipping Document number 007841656JJK. CWM OF THE NORTHWEST hereby certifies that the above described material was landfilled in accordance with the 40 CFR part 761 as it pertains to the land disposal of polychlorinated biphenyl contaminated materials.

Profile Number: OR306163  
CWM Tracking ID: 42204501

Process	CWM Unit	Xfer Date	Site Location	Gen #
801 DRUM/PCB/SOLID/LANDEFI	1*0	10/04/12	LANDFILL 14	3

422045

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator ID Number <b>AK32108800000</b>	2. Page 1 of <b>2</b>	3. Emergency Response Phone <b>800-424-9307 (03457073)</b>	4. Manifest Tracking Number <b>007841656 JJK</b>	
5. Generator's Name and Mailing Address <b>USAF PORT HEIDEN RRS 811<sup>th</sup> OESICEAN, 10471 20<sup>th</sup> St., Suite 302 ELMENDORF AFB, AK 99506-2200</b>			Generator's Site Address (if different than mailing address) <b>USAF PORT HEIDEN RRS 66 DEG 57' 53" N, 158 DEG 39' 58" W PORT HEIDEN, AK 99540</b>			
Generator's Phone: <b>907-552-2884</b>						
6. Transporter 1 Company Name <b>Alaska Logistics, Inc</b>			U.S. EPA ID Number <b>WA0888470647</b>			
7. Transporter 2 Company Name <b>ROADLINK</b>			U.S. EPA ID Number <b>WA0000016535</b>			
8. Designated Facility Name and Site Address <b>CWMNW - ARLINGTON 17520 CEDAR SPRINGS LANE ARLINGTON, OR 97912</b>			U.S. EPA ID Number <b>ORD089452353</b>			
Facility's Phone: <b>541-484-2843</b>						
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
		No.	Type			
1.	MATERIAL NOT REGULATED BY DOT	001	BA	4119	K	X002
2.						
3.						
4.						
14. Special Handling Instructions and Additional Information <b>1. PROFILE #OR306153, PCB CONTAMINATED SOIL 58-89 PPM</b> <b>SAG # 3</b> Out of Service Date: <b>9/15/12</b> <b>Placed in waste 200 Oct 9/24</b> <b>CERTIFICATES OF TREATMENT, RECYCLING, OR DISPOSAL REQUIRED</b>						
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/Offereor's Printed/Typed Name <b>GARRY K FELDERMAN</b>			Signature <i>[Signature]</i>		Month Day Year <b>09/01/12</b>	
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 <b>Alaska Logistics</b>			Signature <i>[Signature]</i>		Month Day Year <b>09/01/12</b>	
Transporter 2 Printed/Typed Name <b>MATOLEY</b>			Signature <i>[Signature]</i>		Month Day Year <b>10/01/12</b>	
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: _____						
16b. Alternate Facility (or Generator)			U.S. EPA ID Number			
Facility's Phone: _____						
16c. 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. <b>H132</b>	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 <b>Amy Jewett</b>			Signature <i>[Signature]</i>		Month Day Year <b>10/4/12</b>	





**Chemical Waste Management  
Of The Northwest**

17629 Cedar Springs Lane  
Arlington, Oregon 97812  
541-454-2643  
EPA I.D.# ORD066452359

LOAD NO. \_\_\_\_\_

MANIFEST DOC. NO. \_\_\_\_\_

INBOUND 422046/422049  
T/D: 14:09:18 2012-10-04  
ID: 422045 TRK ID: 200047  
76460 lb G

OUTBOUND  
T/D: 14:23:08 2012-10-04  
ID: 422045 TRK ID: 200047  
76460 lb G  
49660 lb PT  
26900 lb N

NET 13.40 TONS

\$ 12,150 kg

GENERATOR \_\_\_\_\_



CHEMICAL WASTE MANAGEMENT OF THE NORTHWEST  
17629 Cedar Springs Lane  
Arlington, OR 97812

CWM OF THE NORTHWEST  
Federal EPA ID: ORD089452353  
17629 CEDAR SPRINGS LANE  
ARLINGTON, OR 97812

USAF PORT HEIDEN RRS  
ATTN: MANIFEST SECTION  
AK3210890080  
N 56 DEG 57' 53" W 158 DEG  
PORT HEIDEN AK 99549

CERTIFICATE OF DISPOSAL  
-----

CWM OF THE NORTHWEST, EPA ID: ORD089452353, has received waste material from USAF PORT HEIDEN RRS on 10/04/12 as described on Shipping Document number 007841658JJK. CWM OF THE NORTHWEST hereby certifies that the above described material was landfilled in accordance with the 40 CFR part 761 as it pertains to the land disposal of polychlorinated biphenyl contaminated materials.

Profile Number: OR306163  
CWM Tracking ID: 42204601

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) 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.

A handwritten signature in black ink, appearing to read "Julie Stump". The signature is written in a cursive style.

CWMNW RECORDS DEPARTMENT  
Certificate # 183225  
10/09/12





CHEMICAL WASTE MANAGEMENT OF THE NORTHWEST  
17629 Cedar Springs Lane  
Arlington, OR 97812

CWM OF THE NORTHWEST  
Federal EPA ID: ORD089452353  
17629 CEDAR SPRINGS LANE  
ARLINGTON, OR 97812

USAF PORT HEIDEN RRS  
ATTN: MANIFEST SECTION  
AK3210890080  
N 56 DEG 57' 53", W 158 DEG  
PORT HEIDEN AK 99549

CERTIFICATE OF DISPOSAL  
-----

CWM OF THE NORTHWEST, EPA ID: ORD089452353, has received waste material from USAF PORT HEIDEN RRS on 10/04/12 as described on Shipping Document number 007841658JJK. CWM OF THE NORTHWEST hereby certifies that the above described material was landfilled in accordance with the 40 CFR part 761 as it pertains to the land disposal of polychlorinated biphenyl contaminated materials.

Profile Number: OR306163  
CWM Tracking ID: 42204601

Process	CWM Unit	Xfer Date	Site Location	Gen #
801 DRUM/PCB/SOLID/LANDFI	1*0	10/04/12	LANDFILL 14	5

422046

Please print or type. (Form designed for use on 11x17 (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0059

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number <b>AK3210890080</b>	2. Page 1 of <b>2</b>	3. Emergency Response Phone <b>302-424-8300 ACCN670673</b>	4. Manifest Tracking Number <b>007841658 JJK</b>		
5. Generator's Name and Mailing Address <b>USA - PORT HEIDEN RRS 311<sup>th</sup> CEB/CEAN, 10471 20<sup>th</sup> St., Suite 302 ELMENDORF AFB, AK 99508-2200</b>			Generator's Site Address (if different than mailing address) <b>USAF PORT HEIDEN RRS 56 DEG 57' 53" N, 159 DEG 30' 38" W PORT HEIDEN, AK 99549</b>				
Generator's Phone: <b>907-552-2684</b>							
6. Transporter 1 Company Name <b>Alaska Logistics, Inc.</b>			U.S. EPA ID Number <b>WA0888470847</b>				
7. Transporter 2 Company Name <b>ROADLINK</b>			U.S. EPA ID Number <b>WAH00016563</b>				
8. Designated Facility Name and Site Address <b>CWMRW - ARLINGTON 17629 CEDAR SPRINGS LANE ARLINGTON, OR 97812</b>			U.S. EPA ID Number <b>ORD062452353</b>				
Facility's Phone: <b>541-454-2643</b>							
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt/Vol	13. Waste Codes	
		No.	Type				
1.	MATERIAL NOT REGULATED BY DOT	001	BA	4164	K	X002	
2.							
3.							
4.							
14. Special Handling Instructions and Additional Information <b>PROFILE #0838168, PCB CONTAMINATED SOIL 50-83 PPM</b>						<b>Placed in WMAXU 200 047 9/24</b>	
BAG # <b>5</b> Out of Service Date: <b>8/15/12</b>						<b>CERTIFICATES OF TREATMENT, RECYCLING, OR DISPOSAL REQUIRED</b>	
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 (c) (if I am a small quantity generator) is true.						<b>4133K</b>	
Generator's/Officer's Printed/Typed Name <b>Darryl K. Ferrigno</b>					Signature 	Month Day Year <b>09/01/12</b>	
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.: _____							
17. Transporter Acknowledgment of Receipt of Materials							
Transporter 1 Printed/Typed Name <b>Alaska Logistics</b>					Signature 	Month Day Year <b>9/10/12</b>	
Transporter 2 Printed/Typed Name <b>ANATOLY</b>					Signature 	Month Day Year <b>11/01/12</b>	
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. <b>H132</b>		2.		3.		4.	
20. Designated Facility Carrier or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a							
Printed/Typed Name <b>Amy Jewett</b>					Signature 	Month Day Year <b>11/04/12</b>	

422046

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

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)		21. Generator ID Number <b>AK3210890080</b>	22. Page <b>20F2</b>	23. Manifest Tracking Number <b>007841658 JJK</b>		
24. Generator's Name <b>USAF PORT HEIDEN RRS 811<sup>th</sup> CESICEAN, 10471 20<sup>th</sup> St., Suite 302 ELMENDORF AFB, AK 98506-2200</b>						
25. Transporter <u>3</u> Company Name <b>UNION PACIFIC RAILROAD</b>				U.S. EPA ID Number <b>NED001792910</b>		
26. Transporter <u>4</u> Company Name <b>CRLRC</b>				U.S. EPA ID Number <b>ORD 987173457</b>		
27a. HMA	27b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))		28. Containers		29. Total Quantity	
			No.	Type		30. Unit Wt./Vol.
	32. Special Handling Instructions and Additional Information					
DESIGNATED FACILITY	33. Transporter Acknowledgment of Receipt of Materials					
	Printed/Typed Name <b>Sethu</b>	Signature <i>Sethu</i>	Month <b>11</b>	Day <b>01</b>	Year <b>11/2</b>	
DESIGNATED FACILITY	34. Transporter Acknowledgment of Receipt of Materials					
	Printed/Typed Name <b>A Timmerman</b>	Signature <i>A Timmerman</i>	Month <b>11</b>	Day <b>03</b>	Year <b>11/2</b>	
35. Discrepancy						
36. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)						



**Chemical Waste Management  
Of The Northwest**

17629 Cedar Springs Lane  
Arlington, Oregon 97812  
541-454-2643  
EPA ID.# ORDO69452353

LOAD NO. \_\_\_\_\_

MANIFEST DOC. NO. \_\_\_\_\_

INBOUND *11/20/16/11/20/19*  
T/D: 14:09:18 2017-10-04  
ID: 422045 TRK ID: 200047  
76460 lb S

OUTBOUND  
T/D: 14:23:08 2017-10-04  
ID: 422045 TRK ID: 200047  
76460 lb S  
49660 lb PT  
26900 lb N

NET 13.40 TONS

*\$ 12,150 kg*

GENERATOR \_\_\_\_\_



CHEMICAL WASTE MANAGEMENT OF THE NORTHWEST  
17629 Cedar Springs Lane  
Arlington, OR 97812

CWM OF THE NORTHWEST  
Federal EPA ID: ORD089452353  
17629 CEDAR SPRINGS LANE  
ARLINGTON, OR 97812

USAF PORT HEIDEN RRS  
ATTN: MANIFEST SECTION  
AK3210890080  
N 56 DEG 57' 53" W 158 DEG  
PORT HEIDEN AK 99549

CERTIFICATE OF DISPOSAL  
-----

CWM OF THE NORTHWEST, EPA ID: ORD089452353, has received waste material from USAF PORT HEIDEN RRS on 10/04/12 as described on Shipping Document number 007841657JJK. CWM OF THE NORTHWEST hereby certifies that the above described material was landfilled in accordance with the 40 CFR part 761 as it pertains to the land disposal of polychlorinated biphenyl contaminated materials.

Profile Number: OR306163  
CWM Tracking ID: 42204901

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) 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.

CWMNW RECORDS DEPARTMENT  
Certificate # 183226  
10/09/12



CHEMICAL WASTE MANAGEMENT OF THE NORTHWEST  
17629 Cedar Springs Lane  
Arlington, OR 97812

CWM OF THE NORTHWEST  
Federal EPA ID: ORD089452353  
17629 CEDAR SPRINGS LANE  
ARLINGTON, OR 97812

USAF PORT HEIDEN RRS  
ATTN: MANIFEST SECTION  
AK3210890080  
N 56 DEG 57' 53" W 158 DEG  
PORT HEIDEN AK 99549

CERTIFICATE OF DISPOSAL  
-----

CWM OF THE NORTHWEST, EPA ID: ORD089452353, has received waste material from USAF PORT HEIDEN RRS on 10/04/12 as described on Shipping Document number 007841657JJK. CWM OF THE NORTHWEST hereby certifies that the above described material was landfilled in accordance with the 40 CFR part 761 as it pertains to the land disposal of polychlorinated biphenyl contaminated materials.

Profile Number: OR306163  
CWM Tracking ID: 42204901

Process	CWM Unit	Xfer Date	Site Location	Gen #
801 DRUM/PCB/SOLID/LANDFI	1*0	10/04/12	LANDFILL 14	4

422049

AS

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number AK3210890080	2. Page 1 of 2	3. Emergency Response Phone 800-424-9300 (CCN670673)	4. Manifest Tracking Number 007841657 JJK
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5. Generator's Name and Mailing Address USAF PORT HEIDEN RRS 811 <sup>th</sup> CES/OEAN, 10471 20 <sup>th</sup> St, Suite 302 ELMENDORF AFB, AK 99506-2200 Generator's Phone: 907-652-2934	Generator's Site Address (if different than mailing address) USAF PORT HEIDEN RRS 58 DEG 57' 53" N, 158 DEG 38' 38" W PORT HEIDEN, AK 99549
--	--

6. Transporter 1 Company Name Alaska Logistics, Inc.	U.S. EPA ID Number WAD998470647
---	------------------------------------

7. Transporter 2 Company Name ROADUNK	U.S. EPA ID Number WAHD00016883
--	------------------------------------

8. Designated Facility Name and Site Address CWMANW - ARLINGTON 17829 CEDAR SPRINGS LANE. ARLINGTON, OR 97112 Facility's Phone: 541-454-2843	U.S. EPA ID Number ORD080482353
--	------------------------------------

Seq. No.	U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit W/Vol.	13. Waste Codes
		No.	Type			
1	MATERIAL NOT REGULATED BY DOT	001	BA	3883	K	X002
2						
3						
4						

14. Special Handling Instructions and Additional Information PROFILE FOR 30103, PCB CONTAMINATED SOIL 50-83 PPM BAG # 4 Out of Service Date: 9/15/12 Placed in WMAU 200047 9/24 CERTIFICATES OF TREATMENT, RECYCLING, OR DISPOSAL REQUIRED
--

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 Larry K. Pellegrino	Signature <i>Larry K. Pellegrino</i>	Month Day Year 09/10/12
---	---	----------------------------

16. International Shipments  Import to U.S.  Export from U.S. Port of entry/exit Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name Alaska Logistics	Signature <i>[Signature]</i>	Month Day Year 9/10/12
--	---------------------------------	---------------------------

Transporter 2 Printed/Typed Name ANATOLY	Signature <i>[Signature]</i>	Month Day Year 10/10/12
---	---------------------------------	----------------------------

18. Discrepancy

18a. Discrepancy Indication Space  Quantity  Type  Residue  Partial Rejection  Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator)	U.S. EPA ID Number
--	--------------------

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.	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 Amy Jewett	Signature <i>[Signature]</i>	Month Day Year 10/4/12
--	---------------------------------	---------------------------







**Chemical Waste Management  
Of The Northwest**

17629 Cedar Springs Lane  
Arlington, Oregon 97812  
541-454-2643  
EPA ID: ORO00045233

LOAD NO. \_\_\_\_\_

MANIFEST DOC. NO. \_\_\_\_\_

INBOUND  
T/T: 14:09:18 2012-10-04  
ID: 420045 TRK ID: 200047  
7640 LB G

OUTBOUND  
T/T: 14:23:05 2012-10-04  
ID: 420045 TRK ID: 200047  
7640 LB G  
4940 LB FT  
2600 LB L

NET 13:40 TONS

\$ 12156 kg

GENERATOR \_\_\_\_\_



CHEMICAL WASTE MANAGEMENT OF THE NORTHWEST  
17629 Cedar Springs Lane  
Arlington, OR 97812

CWM OF THE NORTHWEST  
Federal EPA ID: ORD089452353  
17629 CEDAR SPRINGS LANE  
ARLINGTON, OR 97812

USAF PORT HEIDEN RRS  
ATTN: MANIFEST SECTION  
AK3210890080  
N 56 DEG 57' 53" W, W 158 DEG  
PORT HEIDEN AK 99549

CERTIFICATE OF DISPOSAL

CWM OF THE NORTHWEST, EPA ID: ORD089452353, has received waste material from USAF PORT HEIDEN RRS on 10/04/12 as described on Shipping Document number 007841654JJK. CWM OF THE NORTHWEST hereby certifies that the above described material was landfilled in accordance with the 40 CFR part 761 as it pertains to the land disposal of polychlorinated biphenyl contaminated materials.

Profile Number: OR306163  
CWM Tracking ID: 42205101

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) 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.

A handwritten signature in black ink, appearing to read 'Quinn Stump', written over a horizontal line.

CWMNW RECORDS DEPARTMENT  
Certificate # 183227  
10/09/12



**CHEMICAL WASTE MANAGEMENT OF THE NORTHWEST**

17629 Cedar Springs Lane  
Arlington, OR 97812

CWM OF THE NORTHWEST  
Federal EPA ID: ORD089452353  
17629 CEDAR SPRINGS LANE  
ARLINGTON, OR 97812

USAF PORT HEIDEN RRS  
ATTN: MANIFEST SECTION  
AK3210890080  
N 56 DEG 57' 53" W 158 DEG  
PORT HEIDEN AK 99549

**CERTIFICATE OF DISPOSAL**  
-----

CWM OF THE NORTHWEST, EPA ID: ORD089452353, has received waste material from USAF PORT HEIDEN RRS on 10/04/12 as described on Shipping Document number 007841654JJK. CWM OF THE NORTHWEST hereby certifies that the above described material was landfilled in accordance with the 40 CFR part 761 as it pertains to the land disposal of polychlorinated biphenyl contaminated materials.

Profile Number: OR306163  
CWM Tracking ID: 42205101

Process	CWM Unit	Xfer Date	Site Location	Gen #
801 DRUM/PCB/SOLID/LANDEFI	1*0	10/04/12	LANDFILL 14	1

422.051

AD

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

Form Approved. OMB No. 2050-0030

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator ID Number <b>AK 3210890080</b>	2. Page 1 of <b>2</b>	3. Emergency Response Phone <b>501-424-3433 (IC 01470673)</b>	4. Manifest Tracking Number <b>007841654 JJK</b>	
5. Generator's Name and Mailing Address <b>USAF PORT HEIDEN RRS 611<sup>th</sup> CES/CEAN, 10471 28<sup>th</sup> St., Suite 302 ELMENDORF AFB, AK 99508-2200</b>			Generator's Site Address (if different than mailing address) <b>USAF PORT HEIDEN RRS 66 DEG 57' 53" N, 158 DEG 36' 36" W PORT HEIDEN, AK 99540</b>			
Generator's Phone: <b>907-552-2894</b>						
6. Transporter 1 Company Name <b>Alaska Logistics, Inc.</b>			U.S. EPA ID Number <b>WAD988470047</b>			
7. Transporter 2 Company Name <b>ROADLINK</b>			U.S. EPA ID Number <b>WAD00018088</b>			
8. Designated Facility Name and Site Address <b>CWMRW - ARLINGTON 17828 CEDAR SPRINGS LANE ARLINGTON, OR 97112</b>			U.S. EPA ID Number <b>OR0088452353</b>			
Facility's Phone: <b>541-454-2843</b>						
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt/Vol	13. Waste Codes
		No.	Type			
1.	MATERIAL NOT REGULATED BY DOT	001	BA	3926	K	R002
2.						
3.						
4.						
14. Special Handling Instructions and Additional Information <b>1. PROFILE #OR306153, PCB CONTAMINATED SOIL 50-80 PPM</b> <i>Placed in WMYU 200 035 9/24</i> <b>BAG # 1</b> <i>Out of Service Date: 8/15/12</i> <b>CERTIFICATES OF TREATMENT, RECYCLING, OR DISPOSAL REQUIRED</b>						
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 <b>LARRY K FELGRINO</b>			Signature <i>[Signature]</i>		Month Day Year <b>09/01/12</b>	
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Transporter signature (for exports only): Date of entry/exit: Date leaving U.S.:						
17. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name: <b>Alaska Logistics, LLC</b> Signature: <i>[Signature]</i> Month Day Year: <b>9/01/12</b> Transporter 2 Printed/Typed Name: <b>ANATOLY</b> Signature: <i>[Signature]</i> Month Day Year: <b>10/10/12</b>						
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: 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. <b>H132</b> 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: <b>Amy Jewett</b> Signature: <i>[Signature]</i> Month Day Year: <b>10/4/12</b>						

422051

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

Form Approved, OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)		21. Generator ID Number AK3210890080	22. Page 2 OF 2	23. Manifest Tracking Number 007841654 JJK		
24. Generator's Name USAF PORT HEIDEN RRS 611 <sup>th</sup> CES/CEAN, 10471 20 <sup>th</sup> St., Suite 302 ELMENDORF AFB, AK 99508-2200						
25. Transporter 3. Company Name UNION PACIFIC RAILROAD				U.S. EPA ID Number NED001792910		
26. Transporter 4. Company Name CRLRC				U.S. EPA ID Number LORD 987173457		
GENERATOR	27a. 27b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	28. Containers		29. Total Quantity	30. Unit Wt./Vol.	31. Waste Codes
		No.	Type			
32. Special Handling Instructions and Additional Information						
TRANSPORTER	33. Transporter Acknowledgment of Receipt of Materials					
	Printed/Typed Name Cindi Cress	Signature <i>Cindi Cress</i>		Month 11	Day Year 11 2	
DESIGNATED FACILITY	34. Transporter Acknowledgment of Receipt of Materials					
	Printed/Typed Name A Timmerman	Signature <i>A Timmerman</i>		Month 11	Day Year 03 11 2	
35. Discrepancy						
36. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)						



**Chemical Waste Management  
Of The Northwest**

17629 Cedar Springs Lane  
Arlington, Oregon 97812  
541-454-2643  
EPA I.D.# ORDO89452353

LOAD NO. \_\_\_\_\_

MANIFEST DOC. NO. \_\_\_\_\_

INBOUND

T/D: 15:17:24 2012-10-04  
ID: 422050 TRK ID: 200036  
77160 lb G

OUTBOUND

T/D: 15:28:12 2012-10-04  
ID: 422050 TRK ID: 200036  
77160 lb G  
49660 lb PT  
27500 lb N

NET 13.75 TONS

12,474 kg

GENERATOR \_\_\_\_\_



CHEMICAL WASTE MANAGEMENT OF THE NORTHWEST  
17629 Cedar Springs Lane  
Arlington, OR 97812

CWM OF THE NORTHWEST  
Federal EPA ID: ORD089452353  
17629 CEDAR SPRINGS LANE  
ARLINGTON, OR 97812

USAF PORT HEIDEN RRS  
ATTN: MANIFEST SECTION  
AK3210890080  
N 56 DEG 57' 53" W, W 158 DEG  
PORT HEIDEN AK 99549

CERTIFICATE OF DISPOSAL  
-----

CWM OF THE NORTHWEST, EPA ID: ORD089452353, has received waste material from USAF PORT HEIDEN RRS on 10/04/12 as described on Shipping Document number 007841660JJK. CWM OF THE NORTHWEST hereby certifies that the above described material was landfilled in accordance with the 40 CFR part 761 as it pertains to the land disposal of polychlorinated biphenyl contaminated materials.

Profile Number: OR306163  
CWM Tracking ID: 42205201

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) 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.

A handwritten signature in cursive script, appearing to read "Quinn Stump", written over a horizontal line.

CWMNW RECORDS DEPARTMENT  
Certificate # 183228  
10/09/12



CHEMICAL WASTE MANAGEMENT OF THE NORTHWEST  
17629 Cedar Springs Lane  
Arlington, OR 97812

CWM OF THE NORTHWEST  
Federal EPA ID: ORD089452353  
17629 CEDAR SPRINGS LANE  
ARLINGTON, OR 97812

USAF PORT HEIDEN RRS  
ATTN: MANIFEST SECTION  
AK3210890080  
N 56 DEG 57' 53", W 158 DEG  
PORT HEIDEN AK 99549

CERTIFICATE OF DISPOSAL  
-----

CWM OF THE NORTHWEST, EPA ID: ORD089452353, has received waste material from USAF PORT HEIDEN RRS on 10/04/12 as described on Shipping Document number 007841660JJK. CWM OF THE NORTHWEST hereby certifies that the above described material was landfilled in accordance with the 40 CFR part 761 as it pertains to the land disposal of polychlorinated biphenyl contaminated materials.

Profile Number: OR306163  
CWM Tracking ID: 42205201

Process	CWM Unit	Xfer Date	Site Location	Gen #
801 DRUM/PCB/SOLID/LANDEFI	1*0	10/04/12	LANDFILL 14	7



422052

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

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number AK3210890080	2. Page 1 of 2	3. Emergency Response Phone 800-424-9300 (602) 570-9373	4. Manifest Tracking Number 007841660 JJK	
5. Generator's Name and Mailing Address JESSE FOR HEIDEN PMS 811 <sup>th</sup> CASCADIAN, 10471 20 <sup>th</sup> St., Suite 302 ELMENDORF AFB, AK 99506-2200			Generator's Site Address (if different than mailing address) USAF FOR HEIDEN PMS 55 DEG 57' 53" N, 150 DEG 30' 30" W PORT HEIDEN, AK 99549			
Generator's Phone: 907-562-2824			U.S. EPA ID Number WA0988470847			
6. Transporter 1 Company Name Alaska Logistics, Inc.			U.S. EPA ID Number WA4000918582			
7. Transporter 2 Company Name ROADLINK			U.S. EPA ID Number ORC098462353			
8. Designated Facility Name and Site Address CHANNY - ARLINGTON 17829 CEDAR SPRINGS LANE ARLINGTON, OR 97912			Facility's Phone: 541-484-2843			
9a. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))			10. Containers No. Type		11. Total Quantity	12. Unit Wt./Vol.
1. MATERIAL NOT REGULATED BY DOT			001 BA		4137	K
14. Special Handling Instructions and Additional Information 1. PROFILE #OR305183, PCB CONTAMINATED SOIL 50-83 PPM BAG # 7 Out of Service Date: 8/15/12			Placed in WMLU 200035 8/24 CERTIFICATES OF TREATMENT, RECYCLING, OR DISPOSAL REQUIRED			
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.			4.116K Month Day Year 09/01/12			
Generator's/Officer's Printed/Typed Name Larry K. Fedeprino			Signature <i>[Signature]</i>		Month Day Year 09/01/12	
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.:			
17. Transporter Acknowledgment of Receipt of Materials			Month Day Year			
Transporter 1 Printed/Typed Name Alaska Logistics			Signature <i>[Signature]</i>		Month Day Year 19/01/12	
Transporter 2 Printed/Typed Name ANATOLY			Signature <i>[Signature]</i>		Month Day Year 10/01/12	
18. Discrepancy			Manifest Reference Number:			
18a. Discrepancy Indication Select <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection			U.S. EPA ID 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. 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			Month Day Year			
Printed/Typed Name Amy Jewett			Signature <i>[Signature]</i>		Month Day Year 10/4/12	





**Chemical Waste Management  
Of The Northwest**

17629 Cedar Springs Lane  
Arlington, Oregon 97812  
541-454-2643  
☎ 1-800-999-4233

LOAD NO. \_\_\_\_\_

MANIFEST DOC. NO. \_\_\_\_\_

INBOUND  
L/O: 18-17-12 2012-10-04  
ID: 42250 TRK ID: 20036  
77150 10 11

OUTBOUND  
L/O: 18-28-12 2012-10-04  
ID: 42250 TRK ID: 20036  
77150 10 11  
49120 10 11  
77150 10 11

NET 13.75 TONS

12,474 kg

GENERATOR \_\_\_\_\_



CHEMICAL WASTE MANAGEMENT OF THE NORTHWEST  
17629 Cedar Springs Lane  
Arlington, OR 97812

CWM OF THE NORTHWEST  
Federal EPA ID: ORD089452353  
17629 CEDAR SPRINGS LANE  
ARLINGTON, OR 97812

USAF PORT HEIDEN RRS  
ATTN: MANIFEST SECTION  
AK3210890080  
N 56 DEG 57' 53", W 158 DEG  
PORT HEIDEN AK 99549

CERTIFICATE OF DISPOSAL  
-----

CWM OF THE NORTHWEST, EPA ID: ORD089452353, has received waste material from USAF PORT HEIDEN RRS on 10/04/12 as described on Shipping Document number 007841662JJK. CWM OF THE NORTHWEST hereby certifies that the above described material was landfilled in accordance with the 40 CFR part 761 as it pertains to the land disposal of polychlorinated biphenyl contaminated materials.

Profile Number: OR306163  
CWM Tracking ID: 42205301

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) 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.

A handwritten signature in black ink, appearing to read "Quinn Stump". The signature is written in a cursive, flowing style.

CWMNW RECORDS DEPARTMENT  
Certificate # 183229  
10/09/12



CHEMICAL WASTE MANAGEMENT OF THE NORTHWEST  
 17629 Cedar Springs Lane  
 Arlington, OR 97812

CWM OF THE NORTHWEST  
 Federal EPA ID: ORD089452353  
 17629 CEDAR SPRINGS LANE  
 ARLINGTON, OR 97812

USAF PORT HEIDEN RRS  
 ATTN: MANIFEST SECTION  
 AK3210890080  
 N 56 DEG 57' 53", W 158 DEG  
 PORT HEIDEN AK 99549

CERTIFICATE OF DISPOSAL  
 -----

CWM OF THE NORTHWEST, EPA ID: ORD089452353, has received waste material from USAF PORT HEIDEN RRS on 10/04/12 as described on Shipping Document number 0078A1662JJK. CWM OF THE NORTHWEST hereby certifies that the above described material was landfilled in accordance with the 40 CFR part 761 as it pertains to the land disposal of polychlorinated biphenyl contaminated materials.

Profile Number: OR306163  
 CWM Tracking ID: 42205301

Process	CWM Unit	Xfer Date	Site Location	Gen #
-----	-----	-----	-----	-----
801 DRUM/PCB/SOLID/LANDEFI	1*0	10/04/12	LANDFILL 14	9

422053

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

Form Approved, OMB No. 2050-0039

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator ID Number <b>AK3210090080</b>	2. Page 1 of <b>2</b>	3. Emergency Response Phone <b>800-424-0300 (604)570873</b>	4. Manifest Tracking Number <b>007841662 JJK</b>		
5. Generator's Name and Mailing Address <b>USAF PORT HEIDEN RRS 811<sup>th</sup> CES/OCEAN, 10471 20<sup>th</sup> St, Suite 302 ELMENDORF AFB, AK 99508-2200</b>			Generator's Site Address (if different from mailing address) <b>USAF PORT HEIDEN RRS 58 DEG 67' 53" N, 158 DEG 35' 35" W PORT HEIDEN, AK 99549</b>				
Generator's Phone: <b>907-552-2894</b>							
6. Transporter 1 Company Name <b>Alaska Logistics, Inc.</b>			U.S. EPA ID Number <b>WA0999470927</b>				
7. Transporter 2 Company Name <b>ROADLINK</b>			U.S. EPA ID Number <b>WA09990016883</b>				
8. Designated Facility Name and Site Address <b>CMANNV - ARLINGTON 17828 CEDAR SPRINGS LANE ARLINGTON, OR 97812</b>			U.S. EPA ID Number <b>ORD099462953</b>				
Facility's Phone: <b>541-464-2043</b>							
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt/Vol	13. Waste Codes	
		No.	Type				
1.	MATERIAL NOT REGULATED BY DOT	001	BA	4391	K	X002	
2.							
3.							
4.							
14. Special Handling Instructions and Additional Information <b>1. PROFILE #OR308183, PCB CONTAMINATED SOIL 50-83 PPM. Placed in WMXU 200034 9/24</b> <b>BAG # 9 Out of Service Date: 8/15/12</b> <b>CERTIFICATES OF TREATMENT, RECYCLING, OR DISPOSAL REQUIRED</b>							
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 <b>Greg K. Pellegrino</b>			Signature <i>[Signature]</i>		Month Day Year <b>4408k 09/01/12</b>		
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. <input type="checkbox"/> Part of entry/exit: <input type="checkbox"/> Date leaving U.S.:							
17. Transporter Acknowledgment of Receipt of Materials							
Transporter 1 Printed/Typed Name <b>Alaska Logistics</b>			Signature <i>[Signature]</i>		Month Day Year <b>9/10/12</b>		
Transporter 2 Printed/Typed Name <b>ANATOLY</b>			Signature <i>[Signature]</i>		Month Day Year <b>1/01/12</b>		
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) <input type="checkbox"/> Manifest Reference Number: <input type="checkbox"/> U.S. EPA ID Number: <input type="checkbox"/>							
18c. Signature of Alternate Facility (or Generator) <input type="checkbox"/> Month Day Year <input type="checkbox"/>							
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)							
1. <b>H132</b>		2.		3.		4.	
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in item 16a							
Printed/Typed Name <b>Ann Jowett</b>			Signature <i>[Signature]</i>		Month Day Year <b>10/4/12</b>		

GENERATOR  
TRANSPORTER INTL  
TRANSPORTER  
DESIGNATED FACILITY





**Chemical Waste Management  
Of The Northwest**

17629 Cedar Springs Lane  
Arlington, Oregon 97812  
541-454-2643  
EPA ID # ORDC08452353

§

LOAD NO. \_\_\_\_\_

MANIFEST DOC. NO. \_\_\_\_\_

422053/422056

INBOUND  
T/D: 14:44:40 2012-10-04  
ID: 422054 TRK ID: 200034  
78220 lb G

OUTBOUND  
T/D: 14:57:15 2012-10-04  
ID: 422054 TRK ID: 200034  
78220 lb G  
49640 lb PY  
28580 lb N

NET 14.29 TONS

12,964 kg

GENERATOR \_\_\_\_\_





**CHEMICAL WASTE MANAGEMENT OF THE NORTHWEST**

17629 Cedar Springs Lane  
Arlington, OR 97812

CWM OF THE NORTHWEST  
Federal EPA ID: ORD089452353  
17629 CEDAR SPRINGS LANE  
ARLINGTON, OR 97812

USAF PORT HEIDEN RRS  
ATTN: MANIFEST SECTION  
AK3210890080  
N 56 DEG 57' 53" W 158 DEG  
PORT HEIDEN AK 99549

CERTIFICATE OF DISPOSAL

CWM OF THE NORTHWEST, EPA ID: ORD089452353, has received waste material from USAF PORT HEIDEN RRS on 10/04/12 as described on Shipping Document number 007841661UJK. CWM OF THE NORTHWEST hereby certifies that the above described material was landfilled in accordance with the 40 CFR part 761 as it pertains to the land disposal of polychlorinated biphenyl contaminated materials.

Profile Number: OR306163  
CWM Tracking ID: 42205401

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) 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.

A handwritten signature in cursive script, appearing to read 'Quinn Trump'.

CWMNW RECORDS DEPARTMENT  
Certificate # 183230  
10/09/12



**CHEMICAL WASTE MANAGEMENT OF THE NORTHWEST**  
 17629 Cedar Springs Lane  
 Arlington, OR 97812

CWM OF THE NORTHWEST  
 Federal EPA ID: ORD089452353  
 17629 CEDAR SPRINGS LANE  
 ARLINGTON, OR 97812

USAF PORT HEIDEN RRS  
 ATTN: MANIFEST SECTION  
 AK3210890080  
 N 56 DEG 57' 53", W 158 DEG  
 PORT HEIDEN AK 99549

CERTIFICATE OF DISPOSAL  
 -----

CWM OF THE NORTHWEST, EPA ID: ORD089452353, has received waste material from USAF PORT HEIDEN RRS on 10/04/12 as described on Shipping Document number 007841661JJK. CWM OF THE NORTHWEST hereby certifies that the above described material was landfilled in accordance with the 40 CFR part 761 as it pertains to the land disposal of polychlorinated biphenyl contaminated materials.

Profile Number: OR306163  
 CWM Tracking ID: 42205401

Process	CWM Unit	Xfer Date	Site Location	Gen #
801 DRUM/PCB/SOLID/LANDFI	1*0	10/04/12	LANDFILL 14	8

AS

422054

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator ID Number <b>AK3210890080</b>	2. Page 1 of <b>2</b>	3. Emergency Response Phone <b>800-424-9300 (CCW) 670373</b>	4. Manifest Tracking Number <b>007841661 JJK</b>		
5. Generator's Name and Mailing Address <b>USAF PORT HEIDEN RRS 511<sup>th</sup> CESSNAEAN, 10471 20<sup>th</sup> St., Suite 302 ELMENDORF AFB, AK 99508-2200</b>			Generator's Site Address (if different than mailing address) <b>USAF PORT HEIDEN RRS 58 DEG 57' 53" N, 158 DEG 55' 38" W PORT HEIDEN, AK 99548</b>				
Generator's Phone: <b>907-552-2884</b>							
6. Transporter 1 Company Name <b>Alaska Logistics, Inc.</b>			U.S. EPA ID Number <b>WA0888470647</b>				
7. Transporter 2 Company Name <b>ROADLINK</b>			U.S. EPA ID Number <b>WAH000018883</b>				
8. Designated Facility Name and Site Address <b>CWMRW - ARLINGTON 17829 CEDAR SPRINGS LANE ARLINGTON, OR 97812</b>			U.S. EPA ID Number <b>OR0088452353</b>		Facility's Phone: <b>541-454-2843</b>		
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No. Type		11. Total Quantity	12. Unit Wt/Vol.	13. Waste Codes
	1.	MATERIAL NOT REGULATED BY DOT	001	SA	4436	K	X002
	2.						
	3.						
	4.						
14. Special Handling Instructions and Additional Information: <b>1. PROFILE #OR305183, PCB CONTAMINATED SOIL 50-83 PPM</b> <b>BAG # 88 Out of Service Date: 3/15/12</b> <b>Placed in WYAYA 200034 9/24</b> <b>CERTIFICATES OF TREATMENT, RECYCLING, OR DISPOSAL REQUIRED</b>							
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/Offor's Printed/Typed Name <b>LARRY K. TELLEGRIANO</b>			Signature <i>[Signature]</i>		Month Day Year <b>10/01/12</b>		
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Part of entry/dt: Date leaving U.S.:							
17. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name: <b>Alaska Logistics</b> Signature: <i>[Signature]</i> Month Day Year: <b>9/01/12</b> Transporter 2 Printed/Typed Name: <b>ANATOCY</b> Signature: <i>[Signature]</i> Month Day Year: <b>10/01/12</b>							
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: U.S. EPA ID Number:							
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: <b>Amy Jewett</b> Signature: <i>[Signature]</i> Month Day Year: <b>10/4/12</b>							





**Chemical Waste Management  
Of The Northwest**

17629 Cedar Springs Lane  
Arlington, Oregon 97812  
541-454-2643

EPA I.D.# CRD000452553

LOAD NO. \_\_\_\_\_

MANIFEST DOC. NO. \_\_\_\_\_

422053/422056  
INBOUND  
T/D: 14:44:40 2012-10-04  
ID: 422054 TRK ID: 200034  
78220 lb B

OUTBOUND  
T/D: 14:57:15 2012-10-04  
ID: 422054 TRK ID: 200034  
78220 lb B  
49640 lb PT  
28580 lb M

NET 14.29 TONS

12964 kg

GENERATOR \_\_\_\_\_



CHEMICAL WASTE MANAGEMENT OF THE NORTHWEST

17629 Cedar Springs Lane  
Arlington, OR 97812

CWM OF THE NORTHWEST  
Federal EPA ID: ORD089452353  
17629 CEDAR SPRINGS LANE  
ARLINGTON, OR 97812

USAF PORT HEIDEN RRS  
ATTN: MANIFEST SECTION  
AK3210890080  
N 56 DEG 57' 53" W 158 DEG  
PORT HEIDEN AK 99549

CERTIFICATE OF DISPOSAL  
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CWM OF THE NORTHWEST, EPA ID: ORD089452353, has received waste material from USAF PORT HEIDEN RRS on 10/04/12 as described on Shipping Document number 007841659JJK. CWM OF THE NORTHWEST hereby certifies that the above described material was landfilled in accordance with the 40 CFR part 761 as it pertains to the land disposal of polychlorinated biphenyl contaminated materials.

Profile Number: OR306163  
CWM Tracking ID: 42205601

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) 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.

A handwritten signature in cursive script, appearing to read "Quinn Stump".

CWMNW RECORDS DEPARTMENT  
Certificate # 183231  
10/09/12



**CHEMICAL WASTE MANAGEMENT OF THE NORTHWEST**  
 17629 Cedar Springs Lane  
 Arlington, OR 97812

CWM OF THE NORTHWEST  
 Federal EPA ID: ORD089452353  
 17629 CEDAR SPRINGS LANE  
 ARLINGTON, OR 97812

USAF PORT HEIDEN RRS  
 ATTN: MANIFEST SECTION  
 AK3210890080  
 N 56 DEG 57' 53", W 158 DEG  
 PORT HEIDEN AK 99549

CERTIFICATE OF DISPOSAL

CWM OF THE NORTHWEST, EPA ID: ORD089452353, has received waste material from USAF PORT HEIDEN RRS on 10/04/12 as described on Shipping Document number 007841659JJK. CWM OF THE NORTHWEST hereby certifies that the above described material was landfilled in accordance with the 40 CFR part 761 as it pertains to the land disposal of polychlorinated biphenyl contaminated materials.

Profile Number: OR306163  
 CWM Tracking ID: 42205601

Process	CWM Unit	Xfer Date	Site Location	Gen #
801 DRUM/PCB/SOLID/LANDEFI	1*0	10/04/12	LANDFILL 14	6

422050

AJ

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

Form Approved. OMB No. 2050-0039

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator ID Number <b>AK3210890080</b>	2. Page 1 of <b>2</b>	3. Emergency Response Phone <b>800-424-8300 (CONECT) 873</b>	4. Manifest Tracking Number <b>007841659 JJK</b>			
5. Generator's Name and Mailing Address <b>USAF PORT HEIDEN RRS 511 CES/CEAN, 10471 20<sup>th</sup> St, Suite 302 ELMENDORF AFB, AK 99506-2200</b>			Generator's Site Address (if different than mailing address) <b>USAF PORT HEIDEN RRS 55 DEG 57' 53" N, 158 DEG 35' 36" W PORT HEIDEN, AK 99549</b>					
Generator's Phone: <b>907-552-2884</b>								
6. Transporter 1 Company Name <b>Alaska Logistics, Inc.</b>				U.S. EPA ID Number <b>WAD988470647</b>				
7. Transporter 2 Company Name <b>ROADLINK</b>				U.S. EPA ID Number <b>WAH000018883</b>				
8. Designated Facility Name and Site Address <b>CWMW - ARLINGTON 17828 CEDAR SPRINGS LANE ARLINGTON, OR 97812</b>				U.S. EPA ID Number <b>QRD089452353</b>				
Facility's Phone: <b>541-454-2843</b>								
GENERATOR	9a. HW	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))		10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1.	MATERIAL NOT REGULATED BY DOT		No.	Type			
	2.							
	3.							
	4.							
14. Special Handling Instructions and Additional Information: <b>CONTAMINATED SOIL 50-S3 FF M</b> <b>MAILED IN W/ M/ 200034 9/24</b> <b>CERTIFICATES OF TREATMENT,</b> <b>RECYCLING, OR DISPOSAL REQUIRED</b> <b>4019K</b> BAG # <u>6</u> Out of Service Date: <u>8/15/12</u>								
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 <b>HARRY K. FOLGIANO</b>			Signature <i>[Signature]</i>			Month Day Year <b>09/01/12</b>		
TRANSPORTER INTL	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 <b>Alaska Logistics</b>			Signature <i>[Signature]</i>			Month Day Year <b>9/01/12</b>	
Transporter 2 Printed/Typed Name <b>ANATOLY</b>			Signature <i>[Signature]</i>			Month Day Year <b>10/01/12</b>		
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							
	18b. Alternate Facility (or Generator)				Manifest Reference Number: _____ 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. <b>H132</b>			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 <b>Amy Jewett</b>			Signature <i>[Signature]</i>			Month Day Year <b>10/4/12</b>		



422056

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

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)		21. Generator ID Number <b>AK3210890080</b>	22. Page <b>2 OF 2</b>	23. Manifest Tracking Number <b>007 841659 JJK</b>	
24. Generator's Name <b>USAF PORT HEIDEN RRS 811<sup>th</sup> CES/OEAN, 10471 20<sup>th</sup> St., Suite 302 ELMENDORF AFB, AK 98508-2200</b>					
25. Transporter <u>3</u> Company Name <b>UNION PACIFIC RAILROAD</b>			U.S. EPA ID Number <b>NE0001792910</b>		
26. Transporter <u>4</u> Company Name <b>CRLRC</b>			U.S. EPA ID Number <b>1 ORD 987173457</b>		
GENERATOR	27a. HM	27b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	28. Containers		29. Total Quantity
			No.	Type	30. Unit Wt./Vol.
32. Special Handling Instructions and Additional Information					
TRANSPORTER	33. Transporter Acknowledgment of Receipt of Materials				
	Printed/Typed Name <b>Seth</b>	Signature <i>Seth</i>	Month <b>1</b>	Day <b>1</b>	Year <b>12</b>
DESIGNATED FACILITY	34. Transporter Acknowledgment of Receipt of Materials				
	Printed/Typed Name <b>A Timmerman</b>	Signature <i>A Timmerman</i>	Month <b>11</b>	Day <b>3</b>	Year <b>12</b>
35. Discrepancy					
36. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)					

Chemical Waste Management  
Of The Northwest



17629 Cedar Springs Lane  
Arlington, Oregon 97812  
541-454-2643  
EPA ID: OPR009452353

LOAD NO. \_\_\_\_\_

MANIFEST DOC. NO. \_\_\_\_\_

422054 / 422056  
INBOUND  
T/D: 14:44:40 2712-10-04  
ID: 422054 HW ID: 200074  
10220 10 0

OUTBOUND  
T/D: 14:57:15 2712-10-04  
ID: 422054 HW ID: 200074  
10220 10 0  
10220 10 0  
10220 10 0

NET 14.57 TONS

12904 kg

GENERATOR \_\_\_\_\_



CHEMICAL WASTE MANAGEMENT OF THE NORTHWEST  
17629 Cedar Springs Lane  
Arlington, OR 97812

CWM OF THE NORTHWEST  
Federal EPA ID: ORD089452353  
17629 CEDAR SPRINGS LANE  
ARLINGTON, OR 97812

USAF PORT HEIDEN RRS  
ATTN: MANIFEST SECTION  
AK3210690080  
N 56 DEG 57' 53" W 158 DEG  
PORT HEIDEN AK 99549

CERTIFICATE OF DISPOSAL  
-----

CWM OF THE NORTHWEST, EPA ID: ORD089452353, has received waste material from USAF PORT HEIDEN RRS on 10/04/12 as described on Shipping Document number 007841655JJK. CWM OF THE NORTHWEST hereby certifies that the above described material was landfilled in accordance with the 40 CFR part 761 as it pertains to the land disposal of polychlorinated biphenyl contaminated materials.

Profile Number: OR306163  
CWM Tracking ID: 42205001

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) 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.

A handwritten signature in black ink, appearing to read 'Quinn Stump', written over a horizontal line.

CWMNW RECORDS DEPARTMENT  
Certificate # 183251  
10/11/12



CHEMICAL WASTE MANAGEMENT OF THE NORTHWEST  
17629 Cedar Springs Lane  
Arlington, OR 97812

CWM OF THE NORTHWEST  
Federal EPA ID: ORD089452353  
17629 CEDAR SPRINGS LANE  
ARLINGTON, OR 97812

USAF PORT HEIDEN RRS  
ATTN: MANIFEST SECTION  
AK3210890080  
N 56 DEG 57' 53" W 158 DEG  
PORT HEIDEN AK 99549

CERTIFICATE OF DISPOSAL  
-----

CWM OF THE NORTHWEST, EPA ID: ORD089452353, has received waste material from USAF PORT HEIDEN RRS on 10/04/12 as described on Shipping Document number 007841655JJK. CWM OF THE NORTHWEST hereby certifies that the above described material was landfilled in accordance with the 40 CFR part 761 as it pertains to the land disposal of polychlorinated biphenyl contaminated materials.

Profile Number: OR306163  
CWM Tracking ID: 42205001

Process	CWM Unit	Xfer Date	Site Location	Gen #
801 DRUM/PCB/SOLID/LANDEFI	1*0	10/04/12	LANDFILL 14	2

422050

41

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

Form Approved. OMB No. 2050-0039

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator ID Number <b>AK3210890080</b>	2. Page 1 of <b>2</b>	3. Emergency Response Phone <b>907-474-9300 (CON57073)</b>	4. Manifest Tracking Number <b>007841655 JJK</b>	
5. Generator's Name and Mailing Address <b>USAF PORT HEIDEN FRS 017<sup>th</sup> CESSISAN, 10471 20<sup>th</sup> St., Suite 302 ELMENDORF AFB, AK 99506-2200</b>			Generator's Site Address (if different than mailing address) <b>USAF PORT HEIDEN FRS 55 DEG 57' 53" N, 158 DEG 36' 35" W PORT HEIDEN, AK 99549</b>			
Generator's Phone: <b>907-552-2894</b>						
6. Transporter 1 Company Name <b>Alaska Logistics Inc.</b>			U.S. EPA ID Number <b>WA0988470847</b>			
7. Transporter 2 Company Name <b>ROADLINK</b>			U.S. EPA ID Number <b>WA4000018653</b>			
8. Designated Facility Name and Site Address <b>CIAMNW - ARLINGTON 17628 CEDAR SPRINGS LANE ARLINGTON, OR 97912</b>			U.S. EPA ID Number <b>OR0089452353</b>			
Facility's Phone: <b>541-464-2543</b>						
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit
			No.	Type		Vol.
	1.	MATERIAL NOT REGULATED BY DOT	001	BA	4491	K
	2.					
	3.					
14. Special Handling Instructions and Additional Information 1. PROFILE #OR336183, PCB CONTAMINATED SOIL 60-83 PPM BAG # <u>2</u> Out of Service Date: <u>8/15/12</u> <b>Placed in WMLU 200 035 9/24 CERTIFICATES OF TREATMENT, RECYCLING, OR DISPOSAL REQUIRED</b>						
15. GENERATOR/SHOFFEROR'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/packaged, 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 (h) (if I am a small quantity generator) is true. <b>4,491K</b>						
Generator's/Officer's Printed/Typed Name <b>LARRY R FETTERINO</b>			Signature <i>[Signature]</i>		Month Day Year <b>09/10/12</b>	
16. International Shipment <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____						
17. Transporter Acknowledgment of Receipt of Materials						
Transporter 1 Printed/Typed Name <b>Alaska Logistics, LLC</b>			Signature <i>[Signature]</i>		Month Day Year <b>9/11/12</b>	
Transporter 2 Printed/Typed Name <b>ANATOLY</b>			Signature <i>[Signature]</i>		Month Day Year <b>10/01/12</b>	
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)			Signature		Month Day Year	
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)						
1. <b>H132</b>		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 <b>Amy Jewett</b>			Signature <i>[Signature]</i>		Month Day Year <b>10/4/12</b>	

422050

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

Form Approved, OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)		21. Generator ID Number AK3210890080	22. Page 2 OF 2	23. Manifest Tracking Number 007941655 JJK			
24. Generator's Name USAF PORT HEIDEN RWS 811 <sup>th</sup> CES/CEAN, 18471 20 <sup>th</sup> St, Suite 302 ELMENDORF AFB, AK 99508-2200							
25. Transporter <sup>3</sup> Company Name UNION PACIFIC RAILROAD			U.S. EPA ID Number NED001792910				
28. Transporter <sup>4</sup> Company Name CRLRC			U.S. EPA ID Number ORD 987173457				
GENERATOR	27a. HM	27b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	28. Containers No. Type		29. Total Quantity	30. Unit Wt./Vol.	31. Waste Codes
32. Special Handling Instructions and Additional Information							
TRANSPORTER	33. Transporter Acknowledgment of Receipt of Materials						
	Printed/Typed Name Cindi Crespo	Signature (Signature)	Signature Cindi Crespo	Month 11	Day 01	Year 112	
DESIGNATED FACILITY	34. Transporter Acknowledgment of Receipt of Materials						
	Printed/Typed Name A Timmerman	Signature (Signature)	Signature A Timmerman	Month 11	Day 03	Year 112	
35. Discrepancy							
36. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)							



**Chemical Waste Management  
Of The Northwest**

17629 Cedar Springs Lane  
Arlington, Oregon 97812  
541-454-2643  
EPA I.D.# ORD089492653

Ⓢ

LOAD NO. \_\_\_\_\_

MANIFEST DOC. NO. \_\_\_\_\_

INBOUND

T/D: 13:17:24 2012-10-04  
ID: 422050 TRK ID: 200036  
77160 1b G

OUTBOUND

T/D: 15:28:12 2012-10-04  
ID: 422050 TRK ID: 200036  
77160 1b G  
49660 1b PT  
27500 1b N

NET 13.75 TONS

12,474 kg

GENERATOR \_\_\_\_\_





## **2011 Non-TSCA Regulated Soil**





**COLUMBIA RIDGE LANDFILL & RECYCLING CENTER**  
A WASTE MANAGEMENT COMPANY

18177 Cedar Springs Lane  
Arlington, OR 97812  
(541) 454-2030  
(541) 454-3312 Fax

December 29, 2011

Elm Solutions Corporation  
17701 108<sup>th</sup> Ave. SE, Suite 427  
Renton, WA 98055

**CERTIFICATE OF DISPOSAL**

Waste Management, Inc. dba Columbia Ridge Landfill has received NON HAZARDOUS Waste material via the Alaska Street Transfer Facility from Elm Solutions Corporation.

Date of Disposal:	December 8th and 9th, 2011
Generator:	USAF Port Heiden RRS
Profile #:	109179OR
Total Loads:	30
Total Tons:	556.12
Waste Type:	Non-Hazardous PCS and Debris

I certify, on behalf of the above listed facility, that the above-described NON Hazardous waste was managed in compliance with all applicable laws.

Julie Valdez  
Special Waste Scale Clerk

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number <b>AK3210890080</b>	2. Page 1 of <b>2</b>	3. Emergency Response Phone <b>425-638-9739</b>	4. Waste Tracking Number <b>PHB-01</b>			
	5. Generator's Name and Mailing Address USAF PORT HEIDEN RRS 911 <sup>th</sup> CEDAR CANY, 10471 20 <sup>th</sup> St, Suite 302 ELMENDORF AFB, AK 99506-2200		Generator's Site Address (if different than mailing address) USAF PORT HEIDEN RRS 56 DEG 57' 53" N, 158 DEG 36' 36" W FORT HEIDEN, AK 99549				
6. Transporter 1 Company Name <b>Alaska Logistics, Inc.</b>		U.S. EPA ID Number <b>WA0988470647</b>					
7. Transporter 2 Company Name <b>GORDON'S DOZING</b>		U.S. EPA ID Number					
8. Designated Facility Name and Site Address COLUMBIA RIDGE LANDFILL 1817 CEDAR SPRINGS LANE ARLINGTON, OR 97112		U.S. EPA ID Number <b>ORD087173457</b>					
Facility's Phone: <b>(541) 464-2630</b>							
GENERATOR	9. Waste Shipping Name and Description	10. Containers		11. Total Quantity	12. Unit		
		No.	Type		lb/lt/Vol.		
	1. NON-HAZARDOUS WASTE, SOLID (CONTAMINATED SOIL)	<b>112</b>	<b>55A</b>	<b>572</b>	<b>T</b>		
	2.	<b>111</b>	<b>55B</b>	<b>612</b>			
	3.						
4.							
13. Special Handling Instructions and Additional Information (1) PROFILE # 1091790R, Non-TSCA, Non-Hazardous PCB (<50 ppm) contaminated soils <b>CERTIFICATES OF DISPOSAL REQUIRED</b>  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 in accordance, and are in all respects in proper condition for transport, according to applicable international and national governmental regulations.							
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/Offor's Printed/Typed Name <b>William Tanklewich</b>		Signature <i>[Signature]</i>		Month	Day	Year	
				<b>11</b>	<b>02</b>	<b>11</b>	
INTL	15. International Shipments <input type="checkbox"/> Import to U.S. <input checked="" type="checkbox"/> Export from U.S.		Port of entry/exit:				
	Transporter Signature (for exports only):		Date leaving U.S.:				
TRANSPORTER	16. Transporter Acknowledgment of Receipt of Materials						
	Transporter 1 Printed/Typed Name		Signature		Month	Day	Year
	<i>[Signature]</i>		<i>[Signature]</i>		<b>11</b>	<b>02</b>	<b>11</b>
Transporter 2 Printed/Typed Name		Signature		Month	Day	Year	
<b>Joe Bauman</b>		<i>[Signature]</i>					
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)		Month	Day	Year			
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a							
Printed/Typed Name		Signature		Month	Day	Year	
<b>Lori Mercer</b>		<i>[Signature]</i>		<b>12</b>	<b>19</b>	<b>11</b>	

**NON-HAZARDOUS WASTE MANIFEST  
(Continuation Sheet)**

19. Generator ID Number  
31398090

20. Page  
1 of 2

21. Waste Tracking Number  
PHB-01

22. Generator's Name  
UNION PACIFIC RAILROAD  
1111 E. 17th Ave., Omaha, NE 68102  
EMERGENCY: 486-4444

23. Transporter Company Name  
UNION PACIFIC RAILROAD

U.S. EPA ID Number  
NE0001792910

24. Transporter Company Name

U.S. EPA ID Number

25. Waste Shipping Name and Description

26. Containers

No. Type

27. Total Quantity

28. Unit Wt./Vol.

29. Special Handling Instructions and Additional Information

30. Transporter Acknowledgment of Receipt of Materials

Printed/Typed Name Signature Month Day Year

31. Transporter Acknowledgment of Receipt of Materials

Printed/Typed Name Signature Month Day Year

32. Discrepancy

GENERATOR

TRANSPORTER

DESIGNATED FACILITY



## **2012 Non-TSCA Regulated Soil**







**COLUMBIA RIDGE LANDFILL & RECYCLING CENTER**

18177 Cedar Springs Lane  
Arlington, OR 97812  
(541) 454-2030  
(541) 454-3312 Fax

July 3, 2012

Elm Solutions Corporation  
17701 108<sup>th</sup> Ave. SE, Suite 427  
Renton, WA 98055

**CERTIFICATE OF DISPOSAL**

Waste Management, Inc. dba Columbia Ridge Landfill has received NON HAZARDOUS Waste material via the Alaska Street Transfer Facility from Elm Solutions Corporation.

Date of Disposal: June 12<sup>th</sup> & 13<sup>th</sup> 2012  
Generator: USAF Port Heiden RRS  
Profile #: 109325OR  
Total Loads: 27  
Total Tons: 558.2  
Waste Type: Non-Hazardous PCS and Debris

I certify, on behalf of the above listed facility, that the above-described NON Hazardous waste was managed in compliance with all applicable laws.

A handwritten signature in black ink, appearing to read "Victoria McKinney". The signature is written in a cursive, flowing style.

Victoria McKinney  
Special Waste Scale Clerk

**NON-HAZARDOUS WASTE MANIFEST**

1. Generator ID Number: **AK3210890080**  
 2. Page 1 of **2**  
 3. Emergency Response Phone: **800-424-9300**  
 4. Waste Tracking Number: **PHNVPH12-01**

5. Generator's Name and Mailing Address: **USAF PORT HEIDEN RRS, 611<sup>th</sup> CESICEAN, 10471 20<sup>th</sup> St., Suite 302, ELMENDORF AFB, AK 99506-2200**  
 Generator's Site Address (if different than mailing address): **USAF PORT HEIDEN RRS, 58 DEG 57' 53" N, 158 DEG 36' 35" W, PORT HEIDEN, AK 99549**  
 Generator's Phone: **907-552-2894**

6. Transporter 1 Company Name: **BETHEL SERVICES, INC.** U.S. EPA ID Number: \_\_\_\_\_

7. Transporter 2 Company Name: **ELM SOLUTIONS CORP.** U.S. EPA ID Number: \_\_\_\_\_

8. Designated Facility Name and Site Address: **COLUMBIA RIDGE LANDFILL, 18177 CEDAR SPRINGS LANE, ARLINGTON, OR 97812** U.S. EPA ID Number: \_\_\_\_\_  
 Facility's Phone: **(541) 454-2090** OR **03887173457**

9. Waste Shipping Name and Description	10. Containers		11. Total Quantity	12. Unit Wt./Vol.
	No.	Type		
1. <b>NON-HAZARDOUS WASTE, SOLID (CONTAMINATED SOIL)</b>	<b>107</b> <del>108</del>	<b>BA</b>	<b>616</b>	<b>T</b>
2.			<b>558</b> <b>2m</b>	
3.				
4.				

13. Special Handling Instructions and Additional Information:  
 (1) **PROFILE # 109125OR - Non-TSCA, Non-Hazardous PCB (<50 ppm) contaminated soils**  
**109325OR**  
**CERTIFICATES OF DISPOSAL REQUIRED**  
**AWIAKCHAK**  
 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.

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: \_\_\_\_\_ Signature: \_\_\_\_\_ Month: \_\_\_\_\_ Day: \_\_\_\_\_ Year: \_\_\_\_\_

15. International Shipments:  Import to U.S.  Export from U.S. Port of entry/exit: \_\_\_\_\_ Date leaving U.S.: \_\_\_\_\_

16. Transporter Acknowledgment of Receipt of Materials  
 Transporter 1 Printed/Typed Name: **Kevin Duke** Signature: \_\_\_\_\_ Month: **05** Day: **24** Year: **12**  
 Transporter 2 Printed/Typed Name: **Michael Cortner** Signature: \_\_\_\_\_ Month: \_\_\_\_\_ Day: \_\_\_\_\_ Year: \_\_\_\_\_

17. Discrepancy  
 17a. Discrepancy Indication Space:  Quantity  Type  Residue  Partial Rejection  Full Rejection  
 Manifest Reference Number: \_\_\_\_\_

17b. Alternate Facility (or Generator) U.S. EPA ID Number: \_\_\_\_\_  
 Facility's Phone: \_\_\_\_\_  
 17c. Signature of Alternate Facility (or Generator) Month: \_\_\_\_\_ Day: \_\_\_\_\_ Year: \_\_\_\_\_

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a  
 Printed/Typed Name: **LORI MEICER** Signature: **Lori Meicer** Month: **06** Day: **13** Year: **12**

GENERATOR

TRANSPORTER

DESIGNATED FACILITY





**COLUMBIA RIDGE LANDFILL & RECYCLING CENTER**

18177 Cedar Springs Lane  
Arlington, OR 97812  
(541) 454-2030  
(541) 454-3312 Fax

July 3, 2012

Elm Solutions Corporation  
17701 108<sup>th</sup> Ave. SE, Suite 427  
Renton, WA 98055

**CERTIFICATE OF DISPOSAL**

Waste Management, Inc. dba Columbia Ridge Landfill has received NON HAZARDOUS Waste material via the Alaska Street Transfer Facility from Elm Solutions Corporation.

Date of Disposal: June 12<sup>th</sup> & 13<sup>th</sup> 2012  
Generator: USAF Port Heiden RRS  
Profile #: 109325OR  
Total Loads: 27  
Total Tons: 558.2  
Waste Type: Non-Hazardous PCS and Debris

I certify, on behalf of the above listed facility, that the above-described NON Hazardous waste was managed in compliance with all applicable laws.

A handwritten signature in black ink, appearing to read "Victoria McKinney". The signature is written in a cursive, flowing style.

Victoria McKinney  
Special Waste Scale Clerk

**NON-HAZARDOUS WASTE MANIFEST**

1. Generator ID Number: **AK3210890080**  
 2. Page 1 of **2**  
 3. Emergency Response Phone: **800-424-9300**  
 4. Waste Tracking Number: **PHNVPH12-01**

5. Generator's Name and Mailing Address: **USAF PORT HEIDEN RRS, 611<sup>th</sup> CESICEAN, 10471 20<sup>th</sup> St., Suite 302, ELMENDORF AFB, AK 99506-2200**  
 Generator's Site Address (if different than mailing address): **USAF PORT HEIDEN RRS, 58 DEG 57' 53" N, 158 DEG 36' 35" W, PORT HEIDEN, AK 99549**  
 Generator's Phone: **907-552-2894**

6. Transporter 1 Company Name: **BETHEL SERVICES, INC.** U.S. EPA ID Number: \_\_\_\_\_

7. Transporter 2 Company Name: **ELM SOLUTIONS CORP.** U.S. EPA ID Number: \_\_\_\_\_

8. Designated Facility Name and Site Address: **COLUMBIA RIDGE LANDFILL, 18177 CEDAR SPRINGS LANE, ARLINGTON, OR 97812** U.S. EPA ID Number: \_\_\_\_\_  
 Facility's Phone: **(541) 454-2090** OR **03887173457**

9. Waste Shipping Name and Description	10. Containers		11. Total Quantity	12. Unit Wt./Vol.
	No.	Type		
1. <b>NON-HAZARDOUS WASTE, SOLID (CONTAMINATED SOIL)</b>	<b>107</b> <del>108</del>	<b>BA</b>	<b>616</b>	<b>T</b>
2.			<b>558</b> <b>2m</b>	
3.				
4.				

13. Special Handling Instructions and Additional Information:  
 (1) **PROFILE # 109125OR - Non-TSCA, Non-Hazardous PCB (<50 ppm) contaminated soils**  
**109325OR**  
**CERTIFICATES OF DISPOSAL REQUIRED**  
**AWIAKCHAK**  
 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.

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: \_\_\_\_\_ Signature: \_\_\_\_\_ Month: \_\_\_\_\_ Day: \_\_\_\_\_ Year: \_\_\_\_\_

15. International Shipments:  Import to U.S.  Export from U.S. Port of entry/exit: \_\_\_\_\_ Date leaving U.S.: \_\_\_\_\_

16. Transporter Acknowledgment of Receipt of Materials  
 Transporter 1 Printed/Typed Name: **Kevin Duke** Signature: \_\_\_\_\_ Month: **05** Day: **24** Year: **12**  
 Transporter 2 Printed/Typed Name: **Michael Cortner** Signature: \_\_\_\_\_ Month: \_\_\_\_\_ Day: \_\_\_\_\_ Year: \_\_\_\_\_

17. Discrepancy  
 17a. Discrepancy Indication Space:  Quantity  Type  Residue  Partial Rejection  Full Rejection  
 Manifest Reference Number: \_\_\_\_\_

17b. Alternate Facility (or Generator) U.S. EPA ID Number: \_\_\_\_\_  
 Facility's Phone: \_\_\_\_\_  
 17c. Signature of Alternate Facility (or Generator) Month: \_\_\_\_\_ Day: \_\_\_\_\_ Year: \_\_\_\_\_

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a  
 Printed/Typed Name: **LORI MEICER** Signature: **Lori Meicer** Month: **06** Day: **13** Year: **12**

GENERATOR

TRANSPORTER

DESIGNATED FACILITY





**COLUMBIA RIDGE LANDFILL & RECYCLING CENTER**

18177 Cedar Springs Lane  
Arlington, OR 97812  
(541) 454-2030  
(541) 454-3312 Fax

December 13, 2012

Elm Solutions Corporation  
17701 108<sup>th</sup> Ave. SE, Suite 427  
Renton, WA 98055

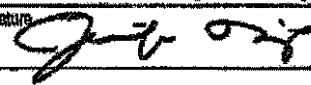
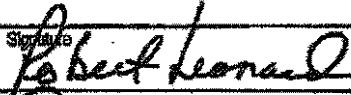

**CERTIFICATE OF DISPOSAL**

Waste Management, Inc. dba Columbia Ridge Landfill has received and disposed of NON HAZARDOUS Waste material from Elm Solutions Corporation.

Date Received:	9/21 – 9/24, 2012
Transfer Facility:	La Farge
Generator:	USAF Port Heiden RRS
Profile #:	109179ORL
Total Tons:	3377.78
Waste Type:	Non-Hazardous PCS and Debris

I certify, on behalf of the above listed facility, that the above-described NON Hazardous waste was managed in compliance with all applicable laws.

*Julie Valdez*  
Julie Valdez  
Special Waste Scale Clerk

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number <b>AK3210890080</b>	2. Page 1 of <b>2</b>	3. Emergency Response Phone <b>800-424-9300</b>	4. Waste Tracking Number <b>PHB12-03</b>	
	5. Generator's Name and Mailing Address <b>USAF PORT HEIDEN RRS 811<sup>th</sup> CES/CEAN, 18471 20<sup>th</sup> St., Suite 302 ELMENDORF AFB, AK 99508-2200</b>		Generator's Site Address (if different than mailing address) <b>USAF PORT HEIDEN RRS 55 DEG 57' 53" N, 158 DEG 38' 38" W PORT HEIDEN, AK 99548</b>		
6. Transporter 1 Company Name <b>BETHEL SERVICES, INC.</b>		U.S. EPA ID Number			
7. Transporter 2 Company Name <b>ELM SOLUTIONS CORP.</b>		U.S. EPA ID Number			
8. Designated Facility Name and Site Address <b>COLUMBIA RIDGE LANDFILL 18177 CEDAR SPRINGS LANE ARLINGTON, OR 97812</b>		U.S. EPA ID Number			
Facility's Phone: <b>(541) 454-2030</b>		ORD <b>0887173467</b>			
GENERATOR	9. Waste Shipping Name and Description	10. Containers		11. Total Quantity	
		No.	Type	12. Unit Wt./Vol.	
	1. <b>NON-HAZARDOUS WASTE, SOLID (CONTAMINATED SOIL)</b>	<b>490</b>	<b>BA</b>	<b>3.605</b>	
	2.	<b>489</b>			
	3.				
4.					
13. Special Handling Instructions and Additional Information <b>1) PROFILE # 109178OR, Non-TSCA, Non-Hazardous PCB (&lt;50 ppm) contaminated soils</b>  <b>CERTIFICATES OF DISPOSAL REQUIRED</b>					
14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.					
Generator/Offeror's Printed/Typed Name <b>JENNIFER DIEP</b>		Signature 		Month Day Year <b>09   01   12</b>	
15. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____					
TRANSPORTER	16. Transporter Acknowledgment of Receipt of Materials				
	Transporter 1 Printed/Typed Name <b>ROBERT LEONARD</b>	Signature 		Month Day Year <b>9   1   12</b>	
	Transporter 2 Printed/Typed Name <b>Michael Gortner</b>			Month Day Year <b>9   20   12</b>	
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: _____					
DESIGNATED FACILITY	17b. Alternate Facility (or Generator)		U.S. EPA ID Number		
	Facility's Phone: _____				
	17c. Signature of Alternate Facility (or Generator)		Month Day Year		
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in item 17a					
Printed/Typed Name		Signature		Month Day Year	







COLUMBIA RIDGE LANDFILL & RECYCLING CENTER

18177 Cedar Springs Lane  
Arlington, OR 97813  
(541) 454-2030  
(541) 454-3312 Fax

December 13, 2012

Elm Solutions Corporation  
17701 108<sup>th</sup> Ave. SE, Suite 427  
Renton, WA 98055

**CERTIFICATE OF DISPOSAL**

Waste Management, Inc. dba Columbia Ridge Landfill has received and disposed of NON HAZARDOUS Waste material from Elm Solutions Corporation.

Date Received: 10/10 – 10/11, 2012  
Transfer Facility: Alaska Street Transfer Station  
Generator: USAF Port Heiden RRS  
Profile #: 109179OR  
Total Tons: 1654.33  
Waste Type: Non-Hazardous PCS and Debris

I certify, on behalf of the above listed facility, that the above-described NON Hazardous waste was managed in compliance with all applicable laws.

*Julie Valdez*  
Julie Valdez  
Special Waste Scale Clerk

**NON-HAZARDOUS WASTE MANIFEST**

1. Generator ID Number  
**AK3210090080**

2. Page 1 of **2**

3. Emergency Response Phone  
**907-424-9300**

4. Waste Tracking Number  
**PH312-06**

5. Generator's Name and Mailing Address  
**USAF PORT HEIDEN RRS  
51<sup>st</sup> OCEAN BLVD  
ELMENDORF AFB, AK 99505-2305**

Generator's Site Address (if different than mailing address)  
**USAF PORT HEIDEN RRS  
56 DEC ST 53<sup>rd</sup> N. 158 DEC ST 26<sup>th</sup> W  
PORT HEIDEN, AK 99542**

Generator's Phone: **907-562-2954**

6. Transporter 1 Company Name  
**BETHEL SERVICES INC** U.S. EPA ID Number

7. Transporter 2 Company Name  
**ELM SOLUTIONS CORP** U.S. EPA ID Number

8. Designated Facility Name and Site Address  
**COLUMBIA RIDGE LANDFILL  
18477 CEDAR SPRINGS LANE  
ARLINGTON, OR 97112** U.S. EPA ID Number  
Facility's Phone: **(541) 464-2052** **CR0887173457**

9. Waste Shipping Name and Description	10. Containers		11. Total Quantity	12. Unit Wt./Vol.
	No.	Type		
1. <b>NON-HAZARDOUS WASTE, SOIL (CONTAMINATED SOIL)</b>	<b>110</b>	<b>3A</b>	<b>913</b>	<b>T</b>
2.				
3.				
4.				

13. Special Handling Instructions and Additional Information  
**1. PROFILE # 1631700R, Non-TSCA, Non-hazardous PCB (<50 ppm concentrated soils)  
CERTIFICATES OF DISPOSAL REQUIRED**

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

Generator's/Officer's Printed/Typed Name: **JENNIFER DUEP** Signature: *Jennifer Duep* Month: **09** Day: **11** Year: **2012**

15. International Shipments:  Import to U.S.  Export from U.S. Port of entry/exit: Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials  
Transporter Signature (for exports only):

Transporter 1 Printed/Typed Name: **Robert Leonard** Signature: *Robert Leonard* Month: **09** Day: **11** Year: **2012**

Transporter 2 Printed/Typed Name: **Michael Wetmore** Signature: *Michael Wetmore* Month: **10** Day: **10** Year: **12**

17. Discrepancy  
17a. Discrepancy Indication Space:  Quantity  Type  Residue  Partial Rejection  Full Rejection  
Manifest Reference Number: U.S. EPA ID Number:

17b. Alternate Facility (or Generator) U.S. EPA ID Number  
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) Month: Day: Year:

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in form 17a  
Printed/Typed Name: **Lori Mercer** Signature: *Lori Mercer* Month: **10** Day: **11** Year: **2012**



<b>NON-HAZARDOUS WASTE MANIFEST</b>		1. Generator ID Number <b>AK3210080080</b>	2. Page 1 of <b>2</b>	3. Emergency Response Phone <b>800-424-9600</b>	4. Waste Tracking Number <b>7812-07</b>
5. Generator's Name and Mailing Address <b>USAF PORT HEIDEN AFB 811 DEER CREEK ROAD 26th St. Suite 322 ELMENDORF AFB, AK 99506-7200 Generator's Phone: 907-552-2894</b>			Generator's Site Address (if different than mailing address) <b>USAF PORT HEIDEN AFB 86 DEC 57 53rd N. 158 DEC 30 38th W PORT HEIDEN, AK 99540</b>		
6. Transporter 1 Company Name <b>SETHEL SERVICES, INC.</b>				U.S. EPA ID Number	
7. Transporter 2 Company Name <b>ELM SOLUTIONS CORP</b>				U.S. EPA ID Number	
8. Designated Facility Name and Site Address <b>COLUMBIA PROCELANCILL 1937 CEDAR SPRINGS LAKE ARLINGTON, OR 97812 Facility's Phone: (503) 464-2352</b>				U.S. EPA ID Number <b>QRD997176487</b>	
6. Waste Shipping Name and Description		10. Container		11. Total Quantity	12. Unit Wt./Vol.
		No.	Type		
1. NON-HAZARDOUS WASTE SOLID CONTAMINATED SOIL		100	2A	770	-
2.					
3.					
4.					
13. Special Handling Instructions and Additional Information 1) PROFILE # 991780R, Intertox, non-hazardous PCB (<50 ppm) contaminated soils CERTIFICATES OF DISPOSAL REQUIRED					
14. GENERATOR'S/SUPPLIER'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.					
Generator's/Supplier's Printed/Typed Name <b>JENNIFER DINEY</b>				Signature <i>Jennifer Diney</i>	Month Day Year <b>09 11 2012</b>
15. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of embarkment: _____ Date leaving U.S.: _____					
16. Transporter Acknowledgment of Receipt of Materials					
Transporter 1 Printed/Typed Name <b>ROBERT LEONARD</b>				Signature <i>Robert Leonard</i>	Month Day Year <b>09 11 2012</b>
Transporter 2 Printed/Typed Name <b>Michael Leitner</b>				Signature <i>Michael Leitner</i>	Month Day Year <b>10 03 12</b>
17. Discrepancy					
17a. Discrepancy Indication Spaces <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Package <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection					
17b. Alternate Facility (or Generator) _____ U.S. EPA ID Number _____					
17c. Signature of Alternate Facility (or Generator) _____ Month Day Year _____					
18. Designated Facility Owner or Operator Certification of receipt of materials covered by the manifest except as noted in item 17a.					
Printed/Typed Name <b>Lori Mercer</b>				Signature <i>Lori Mercer</i>	Month Day Year <b>10 10 12</b>

**NON-HAZARDOUS WASTE MANIFEST**  
(Continuation Sheet)

18. Generator ID Number: 00000000

20. Page 2 of 2

21. Waste Tracking Number: PHB12-07

22. Generator's Name: **US AIR FORCE**  
511<sup>th</sup> AIRBORNE AIRBORNE BRIGADE  
ELMENDORF AFB, AK 99709-2200

23. Transporter Company Name: **UNION PACIFIC RAILROAD**

U.S. EPA ID Number: **NE-D01792910**

24. Transporter Company Name:

U.S. EPA ID Number:

25. Waste Shipping Name and Description

26. Containers

No. Type

27. Total Quantity

28. Unit Wt/Vol

GENERATOR

TRANSPORTER

DESIGNATED FACILITY

29. Special Handling Instructions and Additional Information

30. Transporter Acknowledgment of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

31. Transporter Acknowledgment of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

32. Discrepancy



**COLUMBIA RIDGE LANDFILL & RECYCLING CENTER**

18177 Cedar Springs Lane  
Adlington, OR 97812  
(541) 454-2030  
(541) 454-3312 Fax

December 13, 2012

Elm Solutions Corporation  
17701 108<sup>th</sup> Ave. SE, Suite 427  
Renton, WA 98055

**CERTIFICATE OF DISPOSAL**

Waste Management, Inc. dba Columbia Ridge Landfill has received and disposed of NON HAZARDOUS Waste material from Elm Solutions Corporation.

Date Received: 10/15 – 10/18, 2012  
Transfer Facility: La Farge  
Generator: USAF Port Heiden RRS  
Profile #: 109179ORL  
Total Tons: 5737.95  
Waste Type: Non-Hazardous PCS and Debris

I certify, on behalf of the above listed facility, that the above-described NON Hazardous waste was managed in compliance with all applicable laws.

Julie Valdez  
Special Waste Scale Clerk

228

NON-HAZARDOUS WASTE MANIFEST 1. Generator ID Number: **AK3210890080** 2. Page 1 of: **2** 3. Emergency Response Phone: **800-424-9300** 4. Waste Tracking Number: **FHB12-02**

5. Generator's Name and Mailing Address: **USAF PORT HEIDEN RRS, 611<sup>th</sup> CES/CEAN, 10A71 20<sup>th</sup> St, Suite 302, ELMENDORF AFB, AK 99506-2200** Generator's Site Address (if different than mailing address): **USAF PORT HEIDEN RRS, 60 DEG 57' 53" N, 160 DEG 36' 36" W, PORT HEIDEN, AK 99548** Generator's Phone: **907-552-2894**

6. Transporter 1 Company Name: **BETHEL SERVICES, INC.** U.S. EPA ID Number:

7. Transporter 2 Company Name: **ELM SOLUTIONS CORP.** U.S. EPA ID Number:

8. Designated Facility Name and Site Address: **COLUMBIA RIDGE LANDFILL, 18177 CEDAR SPRINGS LANE, ARLINGTON, OR 97812** U.S. EPA ID Number: **ORD087173457** Facility's Phone: **(541) 464-2030**

9. Waste Shipping Name and Description	10. Containers		11. Total Quantity	12. Unit Wt/Vol
	No.	Type		
1. <b>NON-HAZARDOUS WASTE, SOLID (CONTAMINATED SOIL)</b>	<b>355</b>	<b>BA</b>	<b>2623</b> <b>3701</b>	<b>T</b>
2.				
3.				
4.				

109179 ORL

13. Special Handling Instructions and Additional Information: **1) PROFILE # 109179 ORL, Non-TSCA, Non-Hazardous PCB (<50 ppm) contaminated soils. CERTIFICATES OF DISPOSAL REQUIRED**

14. GENERATOR'S/CERFOR'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, packaged, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Cerfor's Printed/Typed Name: **JENNIFER DIEP** Signature: *Jennifer Diep* Month: **8** Day: **30** Year: **2012**

15. International Shipments:  Import to U.S.  Export from U.S. Port of entry/exit: Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials: Transporter 1 Printed/Typed Name: **ROBERT LEONARD** Signature: *Robert Leonard* Month: **9** Day: **30** Year: **12**

Transporter 2 Printed/Typed Name: **Michael Gortner** Signature: *Michael Gortner* Month: **10** Day: **15** Year: **12**

17. Discrepancy: 17a. Discrepancy Indication Space:  Quantity  Type  Residue  Partial Rejection  Full Rejection

\* Profile S/B 109179 ORL (JW) Manifest Reference Number: U.S. EPA ID Number:

17b. Alternate Facility (or Generator): Facility's Phone: U.S. EPA ID Number:

17c. Signature of Alternate Facility (or Generator): Month: Day: Year:

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

Printed/Typed Name: **Julie Valdez** Signature: *Julie Valdez* Month: **10** Day: **18** Year: **12**

GENERATOR  
INTEL  
TRANSPORTER  
DESIGNATED FACILITY





**NON-HAZARDOUS WASTE MANIFEST**

1. Generator ID Number  
**AK3210890060**

2. Page 1 of **2**

3. Emergency Response Phone  
**800-424-9300**

4. Waste Tracking Number  
**PHB12-03**

5. Generator's Name and Mailing Address  
**USAF PORT HEIDEN RRS  
811<sup>th</sup> CES/CEAN, 10471 20<sup>th</sup> St, Suite 302  
ELMENDORF AFB, AK 99508-2200**

Generator's Site Address (if different than mailing address)  
**USAF PORT HEIDEN RRS  
55 DEG 57' 53" N, 158 DEG 38' 36" W  
PORT HEIDEN, AK 99540**

Generator's Phone:  
**907-562-3894**

6. Transporter 1 Company Name  
**BETHEL SERVICES INC**

U.S. EPA ID Number:

7. Transporter 2 Company Name  
**ELM SOLUTIONS CORP**

U.S. EPA ID Number:

8. Designated Facility Name and Site Address  
**COLUMBIA RIDGE LANDFILL  
18177 CEDAR SPRINGS LANE  
ARLINGTON, OR 97812**

U.S. EPA ID Number:

Facility's Phone:  
**(541) 484-2030**

**ORD987173457**

9. Waste Shipping Name and Description

10. Containers

11. Total Quantity

12. Unit Wt./Vol.

1. **NON-HAZARDOUS WASTE, SOLID  
(CONTAMINATED SOIL)**

No. **190**

Type **SA**

**1078**

**T**

**109179 ORL**

13. Special Handling Instructions and Additional Information

1) **PROFILE # 109179 ORL Non-TSCA, Non-Hazardous PCB (<50 ppm) contaminated soils**  
**109325 OR**  
**CERTIFICATES OF DISPOSAL REQUIRED**

**ANPAKCLAK**

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

Generator's/Officer's Printed/Typed Name

Signature

Month Day Year

**JENNIFER DIEP**

*Jennifer Diep*

**8 30 12**

15. International Shipments  Import to U.S.  Export from U.S.

Port of entry/exit:

Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Signature

Month Day Year

**ROBERT LEONARD**

*Robert Leonard*

**8 30 12**

Transporter 2 Printed/Typed Name

Signature

Month Day Year

**[Signature]**

*Michael Gother*

**10 15 12**

17. Discrepancy:

17a. Discrepancy Indication Space

Quantity

Type

Residue

Partial Rejection

Full Rejection

**\*Profile SIB 109179 ORL**

**(W)**

Manifest Reference Number:

17b. Alternate Facility (or Generator)

U.S. EPA ID Number:

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)

Month Day Year

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

Printed/Typed Name

Signature

Month Day Year

**Julie Valdez**

*Julie Valdez*

**10 18 12**



**NON-HAZARDOUS WASTE MANIFEST**

1. Generator ID Number  
**AK3210890080**

2. Page 1 of **2**

3. Emergency Response Phone  
**800-424-9300**

4. Waste Tracking Number  
**PHB12-05**

5. Generator's Name and Mailing Address  
**USAF PORT HEIDEN RRS  
511<sup>th</sup> CES/CEAN, 10471 20<sup>th</sup> St, Suite 302  
ELMENDORF AFB, AK 99506-2200**

Generator's Site Address (if different than mailing address)  
**USAF PORT HEIDEN RRS  
66 DEG 57' 53" N, 158 DEG 36' 38" W  
PORT HEIDEN, AK 99549**

Generator's Phone: **907-552-2604**

6. Transporter 1 Company Name  
**BETHEL SERVICES INC**

U.S. EPA ID Number

7. Transporter 2 Company Name  
**ELM SOLUTIONS CORP**

U.S. EPA ID Number

8. Designated Facility Name and Site Address  
**COLUMBIA RIDGE LANDFILL  
18177 CEDAR SPRINGS LANE  
ARLINGTON, OR 97812**

U.S. EPA ID Number

Facility's Phone: **(541) 454-2030**

**ORD987173457**

8. Waste Shipping Name and Description	10. Containers		11. Total Quantity	12. Unit Wt./Vol.
	No.	Type		
1. <b>NON-HAZARDOUS WASTE, SOLID (CONTAMINATED SOIL)</b>	<b>324</b>	<b>400A</b>	<b>807</b>	<b>T</b>
	<b>329</b>		<b>1922</b>	
	<b>320</b>			

**109179 ORL**

13. Special Handling Instructions and Additional Information  
**1) PROFILE # 109179 ORL, Non-TSCA, Non-Hazardous PCB (<60 ppm) contaminated soils**  
**CERTIFICATES OF DISPOSAL REQUIRED**

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

Generator's/Offor's Printed/Typed Name: **JENNIFER DIEP** Signature: *Jennifer Diep* Month: **09** Day: **11** Year: **2012**

15. International Shipments  Import to U.S.  Export from U.S. Port of entry/exit: Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: **ROBERT LEONARD** Signature: *Robert Leonard* Month: **9** Day: **11** Year: **12**

Transporter 2 Printed/Typed Name: **Michael Gortner** Signature: *Michael Gortner* Month: **10** Day: **18** Year: **12**

17. Discrepancy

17a. Discrepancy Indication Space  Quantity  Type  Residue  Partial Rejection  Full Rejection  
**\* Profile SIB 109179 ORL (JV)** Manifest Reference Number:

17b. Alternate Facility (or Generator) U.S. EPA ID Number:

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) Month: Day: Year:

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

Printed/Typed Name: **Julie Valdez** Signature: *Julie Valdez* Month: **10** Day: **18** Year: **12**

GENERATOR  
TRANSPORTER  
DESIGNATED FACILITY





## **2013 Non-TSCA Regulated Soil**







# WASTE MANAGEMENT

August 21, 2013

USAF Port Heiden RRS  
N 56, 57'53", W 158 36'36  
PORT HEIDEN, ALASKA

## CERTIFICATE OF DISPOSAL

Waste Management, Inc. dba Alaska Street Reload and Recycle has received NON HAZARDOUS POL Soil from USAF Port Heiden RRS for ultimate disposal at Columbia Ridge Landfill.

<b>Dates of Received:</b>	<b>July 2013 through August 2013</b>
<b>Profile #:</b>	<b>109179OR</b>
<b>Total Tons:</b>	<b>7913.8</b>
<b>Waste Type:</b>	<b>POL Soils</b>

I certify, on behalf of the above listed facility, that the above-described non hazardous waste was managed in compliance with all applicable laws.

Kristin Castner  
Waste Management  
Waste Approvals Manager - PNW

**NON-HAZARDOUS WASTE MANIFEST**

1. Generator ID Number  
**AK3210890080**

2. Page 1 of **1**

3. Emergency Response Phone  
**800-424-9300**

4. Waste Tracking Number  
**PHB13-02**

5. Generator's Name and Mailing Address  
**USAF PORT HEIDEN RRS  
811<sup>th</sup> DES/CEAN, 10471 20<sup>th</sup> St, Suite 302  
ELMENDORF AFB, AK 99506-2200**

Generator's Site Address (if different than mailing address)  
**USAF PORT HEIDEN RRS  
58 DEG 57' 53" N, 158 DEG 35' 35" W  
PORT HEIDEN, AK 99549**

Generator's Phone: **907-552-2894**

6. Transporter 1 Company Name  
**BETHEL SERVICES, INC.**

U.S. EPA ID Number

7. Transporter 2 Company Name  
**ELM SOLUTIONS CORP.**

U.S. EPA ID Number

8. Designated Facility Name and Site Address  
**COLUMBIA RIDGE LANDFILL  
18177 CEDAR SPRINGS LANE  
ARLINGTON, OR 97812**

U.S. EPA ID Number

Facility's Phone: **(541) 454-2030**

**ORD887173457**

9. Waste Shipping Name and Description	10. Containers		11. Total Quantity	12. Unit Wt./Vol.
	No.	Type		
1. NON-HAZARDOUS WASTE, SOLID (CONTAMINATED SOIL)	470	BA	3,310	T
2.				
3.				
4.				

13. Special Handling Instructions and Additional Information  
1) PROFILE # 108179OR, Non-TSCA, Non-Hazardous PCB (<50 ppm) contaminated soils  
CERTIFICATES OF DISPOSAL REQUIRED

**VIA BARGE KLINKWAN**

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

Generator's/Offendor's Printed/Typed Name: **Robert Leonard** Signature: *Robert Leonard* % **USAF** Month: **7** Day: **15** Year: **13**

15. International Shipments  Import to U.S.  Export from U.S. Port of entry/exit: \_\_\_\_\_ Date leaving U.S.: \_\_\_\_\_

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: **Robert Leonard** Signature: *Robert Leonard* Month: **7** Day: **15** Year: **13**

Transporter 2 Printed/Typed Name: **Michael Gortner** Signature: *[Signature]* Month: **8** Day: **2** Year: **13**

17. Discrepancy  
17a. Discrepancy Indication Space  Quantity  Type  Residue  Partial Rejection  Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) U.S. EPA ID Number

17c. Signature of Alternate Facility (or Generator) Month: \_\_\_\_\_ Day: \_\_\_\_\_ Year: \_\_\_\_\_

18. Designated Facility Owner or Operator. Certification of receipt of materials covered by the manifest except as noted in Item 17a  
Printed/Typed Name: **Joni Mercer Lori Mercer** Signature: *Joni Mercer* Month: **8** Day: **5** Year: **13**

GENERATOR  
INT'L  
TRANSPORTER  
DESIGNATED FACILITY



**NON-HAZARDOUS WASTE MANIFEST**

1. Generator ID Number  
AK3210890080

2. Page 1 of 2

3. Emergency Response Phone  
800-424-9300

4. Waste Tracking Number  
PHB13-01

5. Generator's Name and Mailing Address  
USAF PORT HEIDEN RRS  
611<sup>th</sup> CES/CEAN, 10471 20<sup>th</sup> St., Suite 302  
ELMENDORF AFB, AK 99506-2200  
Generator's Phone: 907-562-2804

Generator's Site Address (if different than mailing address)  
USAF PORT HEIDEN RRS  
56 DEG 57' 53" N, 158 DEG 35' 35" W  
FORT HEIDEN, AK 99549

6. Transporter 1 Company Name  
BETHEL SERVICES, INC

U.S. EPA ID Number

7. Transporter 2 Company Name  
ELM SOLUTIONS CORP.

U.S. EPA ID Number

8. Designated Facility Name and Site Address  
COLUMBIA RIDGE LANDFILL  
18177 CEDAR SPRINGS LANE  
ARLINGTON, OR 97812

U.S. EPA ID Number

Facility's Phone: (541) 454-2030

ORD987173457

9. Waste Shipping Name and Description	10. Containers		11. Total Quantity	12. Unit Wt./Vol.
	No.	Type		
1. NON-HAZARDOUS WASTE, SOLID (CONTAMINATED SOIL)	635	BA	4604	T
2.				
3.				
4.				

13. Special Handling Instructions and Additional Information  
1) PROFILE # 10917PCR, Non-TSCA, NonHazardous PCB (<50 ppm) contaminated soils  
CERTIFICATES OF DISPOSAL REQUIRED  
VIA BARGE SEABECK

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

Generator's/Offeror's Printed/Typed Name: ROBERT LEONARD  
Signature: Robert Leonard % USAF  
Month: 7 Day: 11 Year: 13

15. International Shipments  Import to U.S.  Export from U.S. Port of entry/exit: Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: ROBERT LEONARD  
Signature: Robert Leonard  
Month: 7 Day: 11 Year: 13

Transporter 2 Printed/Typed Name: MICHAEL COITNER  
Signature: [Signature]  
Month: 7 Day: 29 Year: 13

17. Discrepancy  
17a. Discrepancy Indication Space  Quantity  Type  Residue  Partial Rejection  Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) U.S. EPA ID Number

Facility's Phone: 17c. Signature of Alternate Facility (or Generator) Month: Day: Year:

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a  
Printed/Typed Name: Lou Mercer  
Signature: Lou Mercer  
Month: 08 Day: 09 Year: 13

GENERATOR

TRANSPORTER INT'L

DESIGNATED FACILITY

## **APPENDIX B**

### **Photographs**



**PHOTOGRAPHIC LOG – PORT HEIDEN REMEDIAL ACTION,  
PORT HEIDEN, ALASKA**



**Photo 1:** Contaminated soil stockpile within fenced area, 2011.



**Photo 2:** Uncovering a soil stockpile, 2012

**PHOTOGRAPHIC LOG – PORT HEIDEN REMEDIAL ACTION,  
PORT HEIDEN, ALASKA**



**Photo 3:** Packaging and staging operation, 2012



**Photo 4:** Super sack in loading frame prepared for filling with waste soil, 2012.



**PHOTOGRAPHIC LOG – PORT HEIDEN REMEDIAL ACTION,  
PORT HEIDEN, ALASKA**



**Photo 5:** Filling super sacks, 2012



**Photo 6:** Lifting filled super sack from the loading frame, 2012.

**PHOTOGRAPHIC LOG – PORT HEIDEN REMEDIAL ACTION,  
PORT HEIDEN, ALASKA**



**Photo 7:** Labeling 10-CY super sack for waste tracking, 2013



**Photo 8:** 5-CY Super sacks with PCB/Hazardous waste labels, 2012

PHOTOGRAPHIC LOG – PORT HEIDEN REMEDIAL ACTION,  
PORT HEIDEN, ALASKA

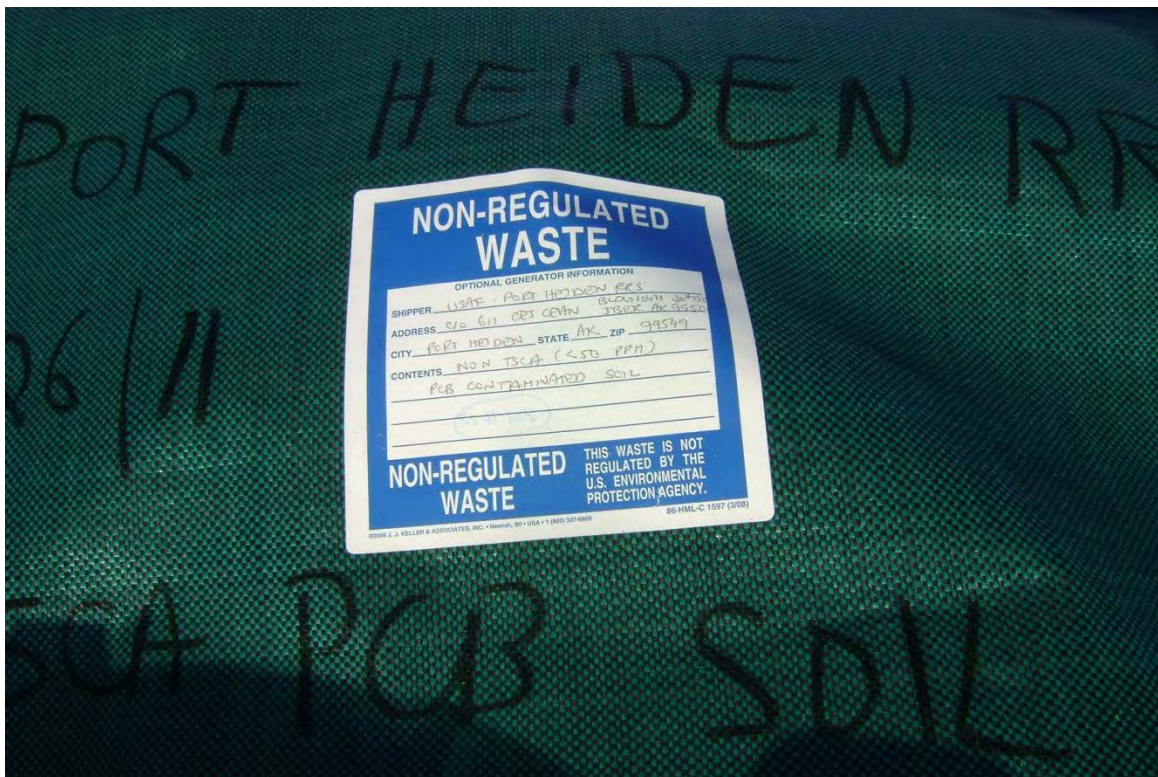


Photo 9: Non-TSCA regulated soil labeling, 2011



Photo 10: Loading low-boy trailer with 5-CY super sacks for transport to the barge, 2011

**PHOTOGRAPHIC LOG – PORT HEIDEN REMEDIAL ACTION,  
PORT HEIDEN, ALASKA**



**Photo 11:** Loading low boy with 10-CY super sacks for transport to barge, 2012.



**Photo 12:** Transporting filled super sacks to the barge loading area, 2012.

**PHOTOGRAPHIC LOG – PORT HEIDEN REMEDIAL ACTION,  
PORT HEIDEN, ALASKA**



**Photo 13:** Unloading super sacks at the barge staging area, 2012



**Photo 14:** 10-CY Super sacks of unregulated waste soil staged for barge loading, 2012.

**PHOTOGRAPHIC LOG – PORT HEIDEN REMEDIAL ACTION,  
PORT HEIDEN, ALASKA**



**Photo 15:** 5-CY and 10-CY super sacks of soil staged for barge loading, 2012.



**Photo 16:** Constructing earth fill ramp to access barge, 2011

**PHOTOGRAPHIC LOG – PORT HEIDEN REMEDIAL ACTION,  
PORT HEIDEN, ALASKA**



**Photo 17:** Constructing earth fill ramp to access barge, 2012



**Photo 18:** 10-CY super sacks filled with clean soil used to prevent ramp erosion, 2013

**PHOTOGRAPHIC LOG – PORT HEIDEN REMEDIAL ACTION,  
PORT HEIDEN, ALASKA**



**Photo 19:** Steel pipe piling installed to provide mooring for barge, 2012



**Photo 20:** Loading the *Madison Rose*, 2011



**PHOTOGRAPHIC LOG – PORT HEIDEN REMEDIAL ACTION,  
PORT HEIDEN, ALASKA**



**Photo 21:** Loading the *Seabeck*, 2012



**Photo 22:** Stacking of 10-CY bags for transport on barge, July 2013.

**PHOTOGRAPHIC LOG – PORT HEIDEN REMEDIAL ACTION,  
PORT HEIDEN, ALASKA**



**Photo 23:** Stacked 10-CY Non TSCA regulated super sacks, July 2013.



**Photo 24:** Barge loading during morning and evening high tides, July 2013.

**PHOTOGRAPHIC LOG – PORT HEIDEN REMEDIAL ACTION,  
PORT HEIDEN, ALASKA**



**Photo 25:** Barge loaded and ready for departure on high tide, 2011



**Photo 26:** Barges with 5- and 10-CY sacks departing Port Heiden for Seattle, Washington, 2012.

**PHOTOGRAPHIC LOG – PORT HEIDEN REMEDIAL ACTION,  
PORT HEIDEN, ALASKA**



**Photo 27:** Failed wooden flat that resulted in a lost 5-CY super sack at Dillingham, Alaska, 2011



**Photo 28:** Prepared super sack storage area, 2011

**PHOTOGRAPHIC LOG – PORT HEIDEN REMEDIAL ACTION,  
PORT HEIDEN, ALASKA**



**Photo 29:** Covering super sacks for winter storage, 2012.



**Photo 30:** Off-loading super sacks from barge – Port of Seattle, August 2013.

**PHOTOGRAPHIC LOG – PORT HEIDEN REMEDIAL ACTION,  
PORT HEIDEN, ALASKA**



**Photo 31:** 10-CY Super sacks off loaded at the Port of Seattle, August 2013



**Photo 32:** Super sacks loaded onto trucks at the Port of Seattle for transfer to the rail yard, August 2013.

## **APPENDIX C**

### **EPA Exception Report Documentation**

*E-mail to the EPA dated December 15, 2012*

*E-mail from the USAF dated December 16, 2012*





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**From:** Sean Thomas  
**Sent:** Thursday, December 15, 2011 4:33 PM  
**To:** kenknight.jeff@epa.gov  
**Cc:** Jadhon, David A POA; Bill Anklewich; Sean Thomas  
**Subject:** EPA Manifest Exception Report  
**Attachments:** 005528562JJK.PDF

**Importance:** High

Mr. Kenknight-

Good day. I recently called and left you a voicemail on your office telephone (15 DEC 2011; 16:00 Alaska Standard Time) to alert you to an incoming EPA Manifest Exception Report that will be forthcoming to your attention via email and hard copy. My firm is a contractor managing a project for the U.S. Government transporting and disposing of contaminated soils from Government property in Port Heiden, Alaska to Waste Management's facilities in Arlington, Oregon.

The EPA Manifest Exception Report is required due to a slight delay in transport due to inclement weather at sea while the wastes were being transported from the origin to the Port of Seattle, Washington via regularly scheduled southbound barge services. The waste is currently in transit via rail from the Port of Seattle to Arlington, Oregon.

If you have any questions, concerns or instructions, please feel free to contact me directly or Mr. David Jadhon, Army Corps of Engineers Project Manager (cc'd). My contact information is below.

Thank you

Sean Thomas



**Bethel Environmental Solutions LLC**


*Sean P. Thomas, RES | General Manager*

**Bethel Environmental Solutions LLC**

2605 Denali Street, Suite 100 | Anchorage, Alaska 99503

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**From:** Roth, Patrick A USAF PACAF 611 CES/CEAR <patrick.roth@elmendorf.af.mil>  
**Sent:** Friday, December 16, 2011 9:59 AM  
**To:** Sean Thomas; Jadhon, David A POA  
**Cc:** Pellegrino, Larry K Civ USAF PACAF 611 CES/CEOR; Bill Anklewich; John Dittrich  
**Subject:** RE: EPA Waste Manifest Exception Report

It's taken care of.

Pat

-----Original Message-----

**From:** Sean Thomas [<mailto:sthomas@bncak.com>]  
**Sent:** Thursday, December 15, 2011 4:10 PM  
**To:** Jadhon, David A POA  
**Cc:** Pellegrino, Larry K Civ USAF PACAF 611 CES/CEOR; [pat.roth@lmendorf.af.mil](mailto:pat.roth@lmendorf.af.mil); Roth, Patrick A USAF PACAF 611 CES/CEAR; Bill Anklewich; John Dittrich; Sean Thomas  
**Subject:** EPA Waste Manifest Exception Report  
**Importance:** High

Dave-

As we discussed on the telephone attached is the EPA Waste Manifest Exception Report and the manifest containing the two supersacks of TSCA-regulated wastes originating in Port Heiden. This waste left Port Heiden on 2 NOV 2011 and will arrive after the 45 day time window due to weather delays in transit at sea between Alaska and the Port of Seattle. The waste is currently on a train and is expected to arrive in Arlington, Oregon on Sunday, 18 DEC and be accepted at Waste Management's facilities on Monday, 19 DEC.

The attached letter requires a signature of the waste generator and submission to the EPA Region 10 representative, Mr. Jeff Kenknight, via email and hard copy (both Certified Receipt). Bethel is happy to submit the letter on behalf of the Government if so directed, once a generator signature has been procured and affixed to the attached letter.

The 45 day window closes on Saturday, 17 DEC, 2011; and as such time is of the essence for a submittal tomorrow, Friday, 16 DEC 2011. I will contact the EPA Region 10 representative directly today to inform them of the Government's intent to submit an exception report and that the completion of that activity is presently ongoing. I can make my team available tomorrow to support this activity, including picking up a hard copy letter once signed if necessary or in any other manner the Government requires.

Please feel free to contact me should you have any questions or need additional information or assistance.

Thank you,

Sean Thomas

On behalf of Bill Ankewich, Bethel Services, Inc Project Manager

Bethel Environmental Solutions-HZ.JPG

Sean P. Thomas, RES | General Manager

Bethel Environmental Solutions LLC

2605 Denali Street, Suite 100 | Anchorage, Alaska 99503 Direct

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