

**Remedial Action Report**  
**North Plant Area**  
**Elf Atochem North America, Inc. Facility**  
**Portland, Oregon**

**Prepared for**  
**Elf Atochem North America, Inc.**

**Prepared by**



**OPE33988.B0**

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## Introduction

The purpose of this report is to document the remedial activities conducted in the undeveloped area north of the active plant area of the Elf Atochem North America, Inc. (Elf Atochem) facility located in Portland, Oregon. Remediation activities were accomplished during August and September 1994 which included removal and disposal of approximately 1,700 tons of soil containing residues of 4,4-DDD (dichlorodiphenyldichloroethane), 4,4-DDE (dichlorodiphenyldichloroethylene), and 4,4-DDT (dichlorodiphenyltrichloroethane), referred to in this document as DDD, DDE, and DDT, respectively.

Foss Environmental Services, Inc. (Foss) performed the soil excavation, verification sample collection, and transportation of the soil to Chemical Waste Management of the Northwest's (CWMNW's) for the disposal of the soil at the Subtitle C landfill located in Arlington, Oregon. Elf Atochem contracted with CWMNW for disposition of soil at its Arlington facility. CH2M HILL conducted excavation oversight, as necessary, during remedial activities and prepared this summary report.

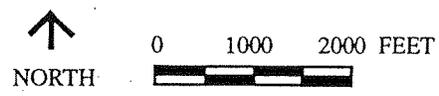
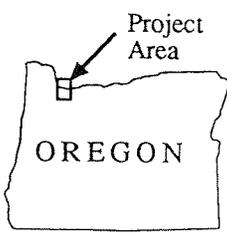
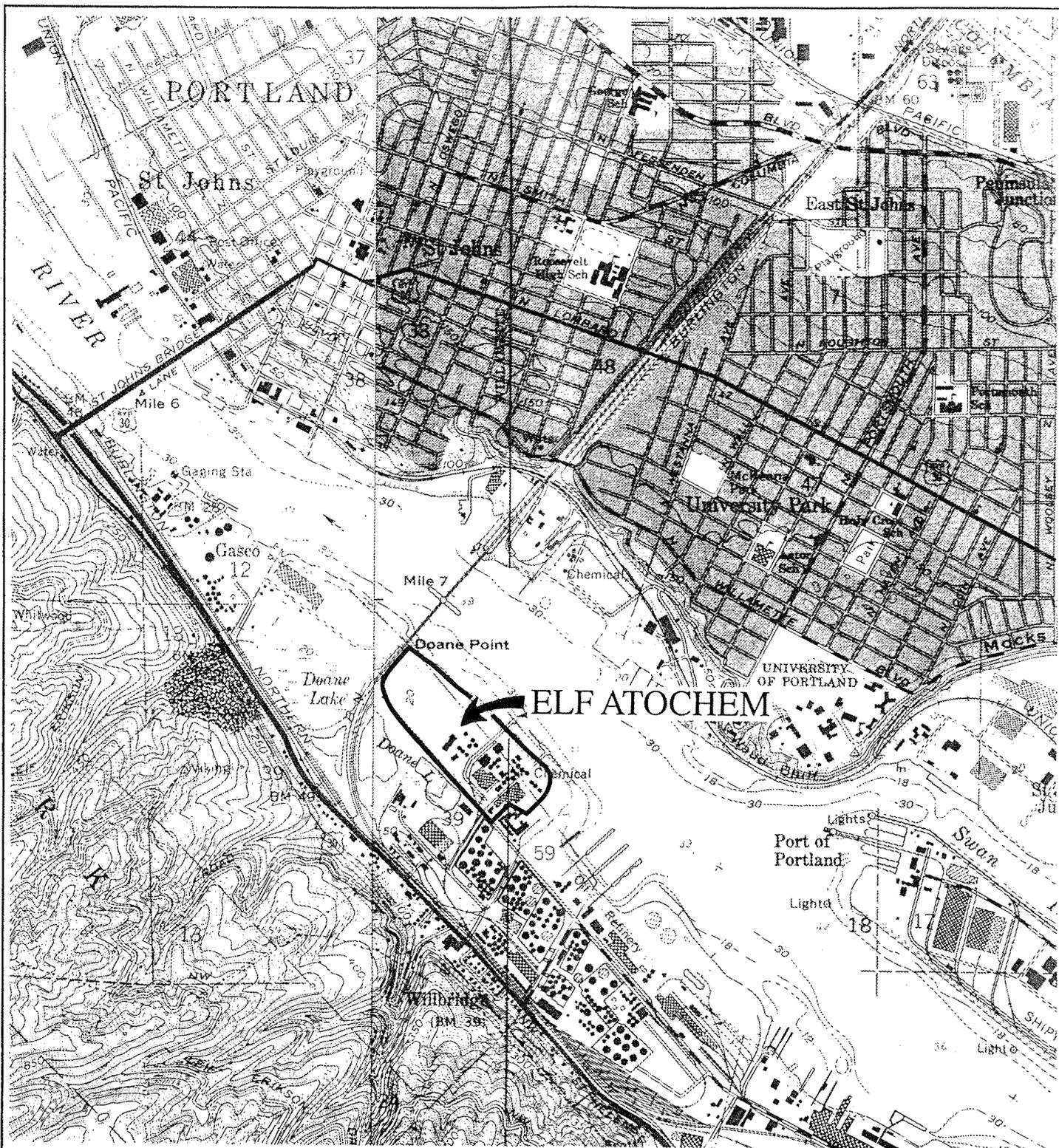
## Background

Elf Atochem currently owns and operates an inorganic chlor-alkali chemical manufacturing facility at 6400 N.W. Front Avenue in Portland, Oregon (Figure 1). Elf Atochem purchased the facility from Pennwalt Corporation in 1990. The facility reportedly manufactured DDT from approximately 1947 to 1952.

During excavation activities in an undeveloped area northwest of the active plant area (north plant area), some discolored (pinkish) soil was discovered. Construction activities partially delineated the horizontal extent of the discolored soil and further activities in the affected area ceased. According to Elf Atochem personnel, the affected soil was placed in a trench in the north plant area during plant improvement activities in the acid plant area where a manufacturing process pond had been located. The date of these activities is unknown.

In the fall of 1992, Elf Atochem conducted a soil exploration program to assess the horizontal and vertical extent of the affected soil. The results indicated the presence of DDD, DDE, and DDT residues at levels exceeding the Oregon Department of Environmental Quality (DEQ) numerical soil cleanup levels (Oregon Administration Rules (OAR) 340-122-045). Monochlorobenzene was also detected during the soil exploration program. However, monochlorobenzene total levels detected were well below the maximum allowable residential soil concentrations and TCLP levels were below the leachate reference concentration listed in the DEQ numerical soil cleanup levels (OAR 340-122-045), therefore, monochlorobenzene was not a targeted constituent of concern during the remedial activities.

At the request of Elf Atochem, the target cleanup criteria selected were the DEQ residential numerical soil cleanup levels (OAR 340-122-045). It should be noted, however, that the use of residential cleanup criteria is conservative given that the Elf Atochem facility is located in a zoned industrial area.



Base map from USGS 7.5-minute Portland Quadrangle, 1977, and Linnton Quadrangle, 1984

**FIGURE 1**  
**Location Map**  
 Elf Atochem  
 Portland, Oregon

## Remedial Activities

Based on the results of the soil exploration program, Elf Atochem initiated a remedial action to remove the affected soil. The area of remediation is shown on Figure 2. Remedial activities are described below.

### Mobilization

Foss began mobilization activities at the site on August 16, 1994. Mobilization included setting up a personnel decontamination trailer and a mobile office, transporting excavation equipment, and constructing a temporary loading area for trucks. Excavation equipment consisted of a Linkbelt 3400 track excavator. The truck-loading area consisted of a fenced circular area with plastic sheeting and absorbent booms placed within the fenced area on the ground surface to contain possible soil spills during the loading procedure. The fence was also used to secure the area during times when remedial activities were not being conducted.

### Excavation

Approximately 1,700 tons of soil were excavated by Foss between August 18 and August 30, 1994, in the North Plant area of the Elf Atochem facility. Soil was excavated with an excavator and placed directly into lined trucks. Soil was not stockpiled during the excavation process. After being loaded, trucks were weighed at a local scale, approximately 1/4 mile southwest of the site, and returned to the site to be adjusted, as necessary. Each of the trucks was lined before being loaded and was covered except during loading. During excavation activities, dust was controlled by wetting the soil with a water hose.

The following subsurface material was encountered during the excavation:

- Fine silty sand with some vegetation from ground surface to approximately 4 feet below ground surface.
- Coarse brown sand with some layers of black sand and gravel up to approximately 1-½ inches in diameter from approximately 4 to 11-½ feet below ground surface. In the upper portion of this zone large pieces of concrete and blacktop asphalt were observed.
- Blue-black silty sand with some clay from approximately 11-½ to 13 feet below ground surface. This material appeared hard and compacted.

Groundwater was not encountered during the excavation. Excavation, followed by verification sampling, was performed in three phases. Each of the phases is described below.

### *Phase 1*

Phase 1 of the excavation was conducted in two parts to minimize downtime between phases while verification sample analyses were being conducted. The southern half of the anticipated remediation area was excavated first. Following collection of verification

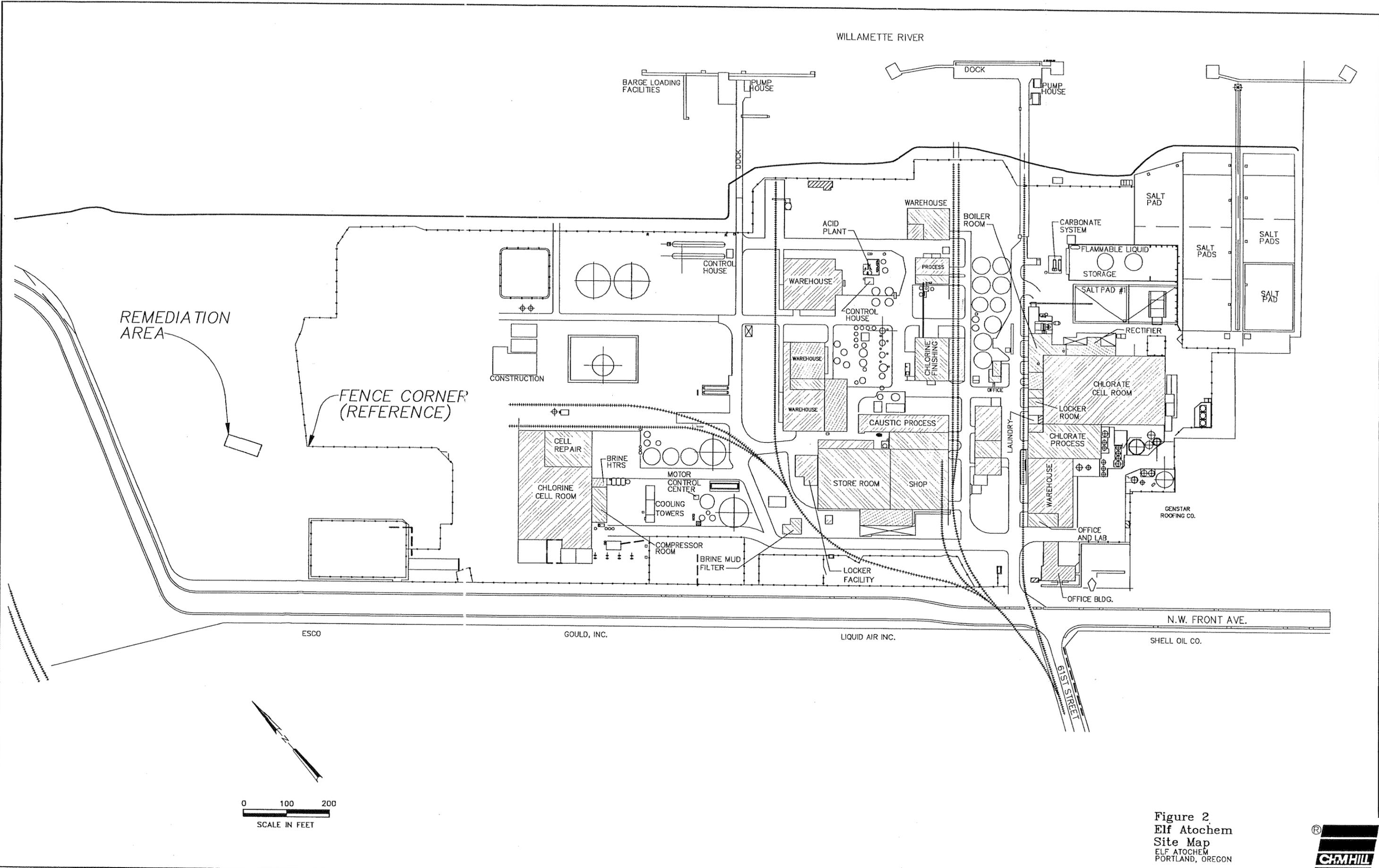


Figure 2  
 Elf Atochem  
 Site Map  
 ELF ATOCHEM  
 PORTLAND, OREGON



samples, the northern half of the remediation area was excavated and additional Phase 1 verification samples were obtained. The primary objective of Phase 1 was to remove visibly affected (pinkish) soil. The majority of the soil was excavated during this phase. Figure 3 shows the initial (Phase 1) excavation area and the first phase of verification sampling locations. The depth of the excavation ranged from approximately 10-½ to 11-½ feet.

## ***Phase 2***

Following receipt of the first round of verification sampling results, Phase 2 of the excavation was initiated. Additional material was excavated from areas in which the samples indicated that target cleanup criteria had not been achieved. Additional sidewall material was excavated in 1-½- to 2-foot thick cuts extending to surrounding sample points that met the target cleanup levels. A 1-foot cut was made in the northern end of the bottom of the excavation where Phase 1 verification samples exceeded target cleanup criteria. Phase 2 verification samples were collected from the selected areas where Phase 2 excavation had been conducted.

## ***Phase 3***

The third and final phase of excavation focused on the northern and southern ends of the excavation, based on the Phase 2 verification sampling results. An additional 2-foot cut was made at each end, and verification samples were collected. The final excavation area and final verification sampling locations are shown in Figure 4. The depth of the final excavation ranged from 10-½ to 13 feet.

The extent of each additional horizontal and vertical cut was extended to points that met the target cleanup criteria.

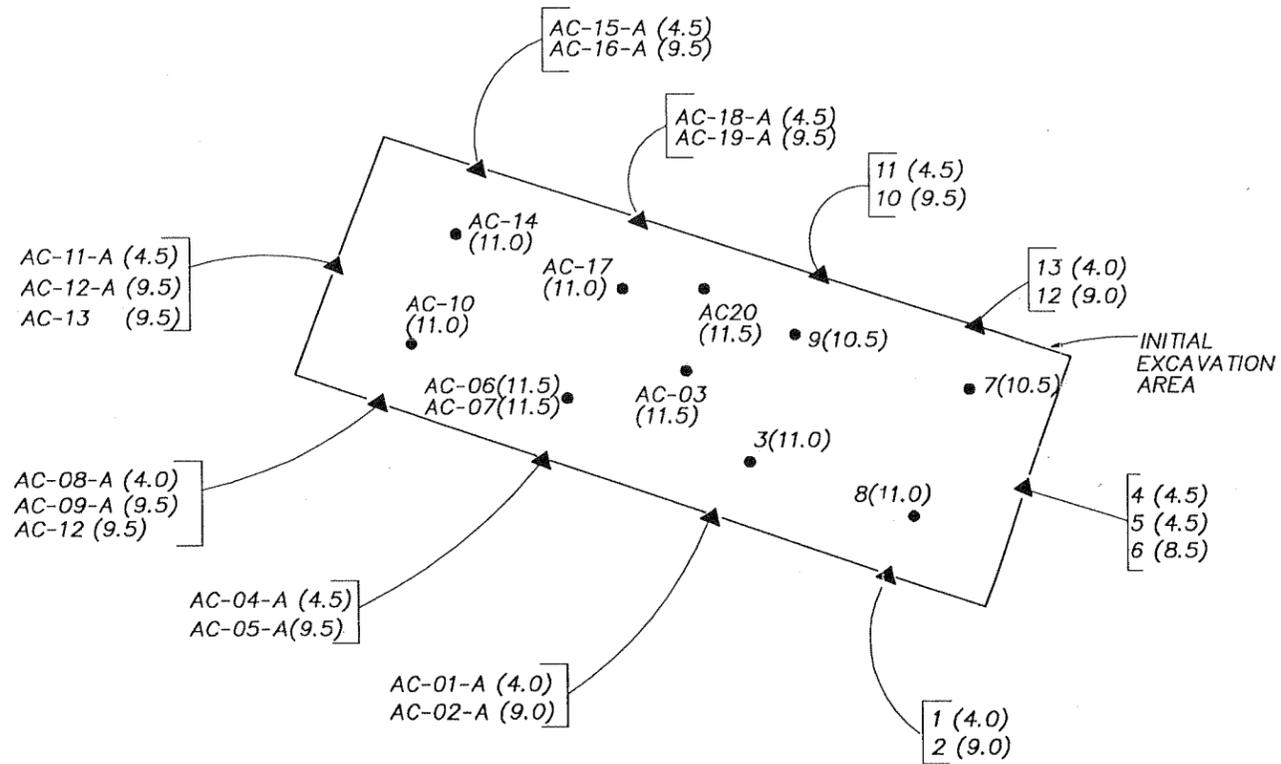
Verification sampling methods and results are described below.

## **Verification Sampling**

### ***Verification Sampling Methods***

Verification sampling was conducted following each phase of soil excavation to assess the presence or absence of soil containing DDD, DDE, and/or DDT residues above the target cleanup criteria. At the request of Elf Atochem, the target cleanup criteria selected were the DEQ residential numerical soil cleanup levels (OAR 340-122-045).

The soil sampling approach was based on DEQ's *Guidelines for Soil Sampling*, Review Draft, dated April 1993. DEQ's recommended verification sampling approach after the completion of a remedial action is the "no exceedance" method. This method specifies the number of samples that may exceed the appropriate site-specific cleanup standard based on the size of the site, the required confidence level, and the number of samples collected. For example, if 29 samples are collected from a site with an area less than 12,000 square feet, zero exceedances are allowed. DEQ's draft guidance document states that for this situation,



FENCE CORNER  
(SEE FIGURE 2 FOR REFERENCE)

- BOTTOM SAMPLE
- ▲ SIDE WALLS SAMPLE
- AC-11-A SAMPLE IDENTIFICATION
- (4.0) APPROXIMATE SAMPLE DEPTH IN FEET

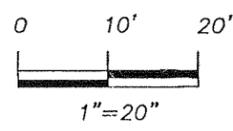
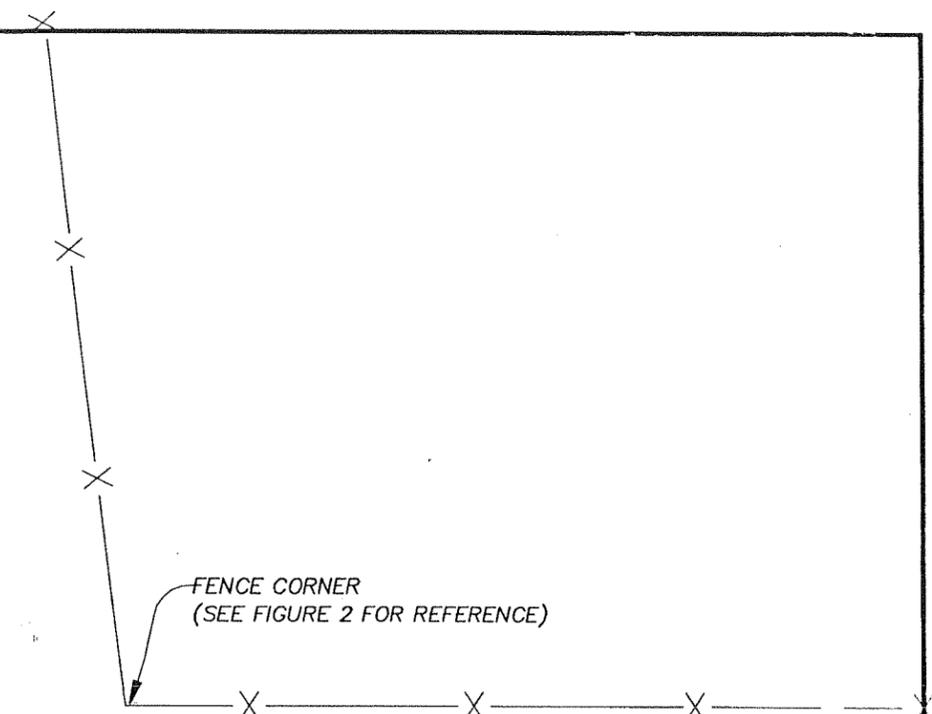
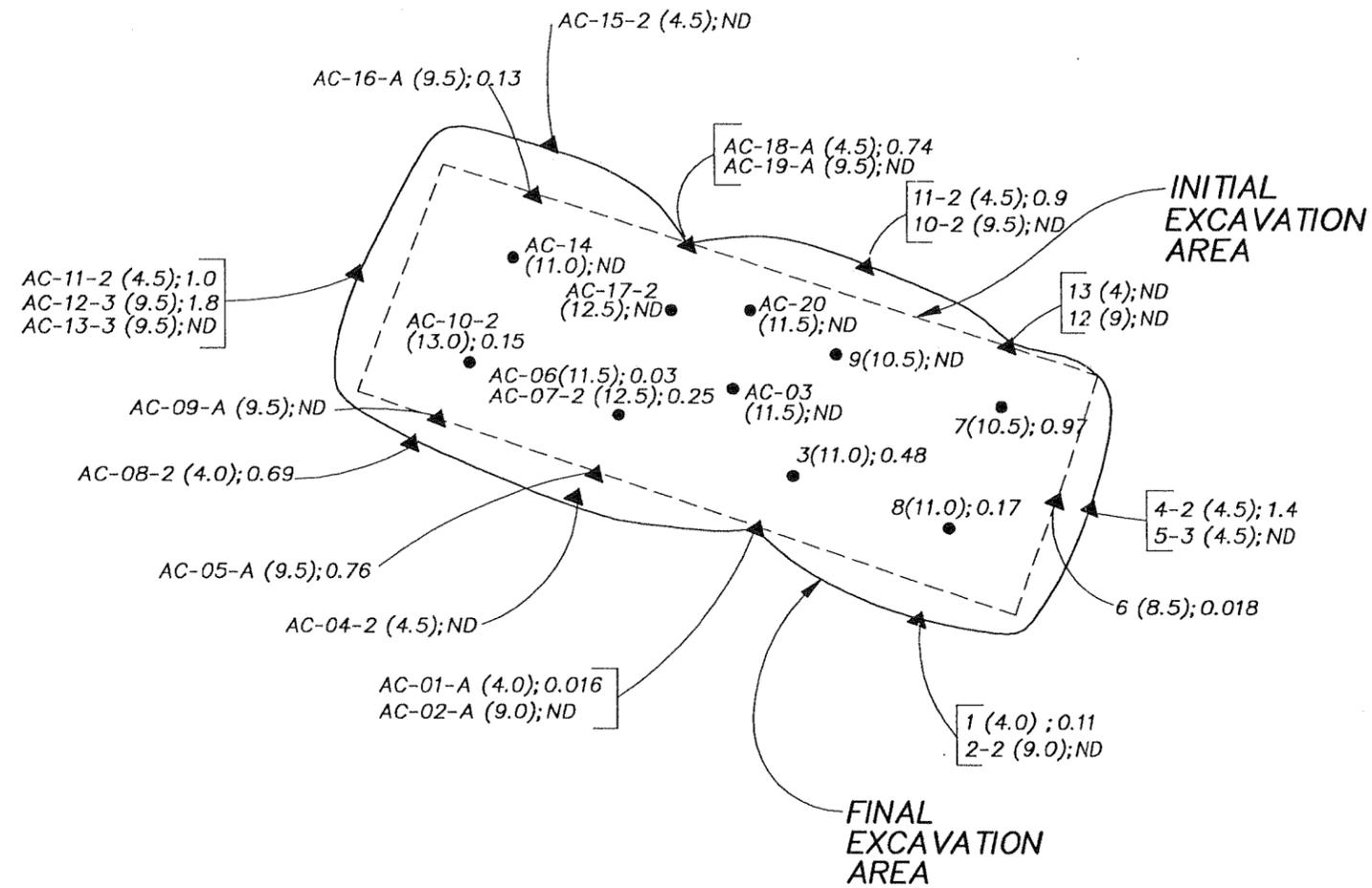


Figure 3  
INITIAL EXCAVATION AREA, SAMPLING  
LOCATIONS, AND SAMPLING DEPTHS

ELF ATOCHEM  
PORTLAND, OREGON





**LEGEND**

●	BOTTOM SAMPLE
▲	SIDE WALL SAMPLES
AC-11-2	SAMPLE IDENTIFICATION
(4.0); 0.16	(APPROXIMATE SAMPLE DEPTH IN FEET); FINAL DDT CONCENTRATION (MG/KG)
ND	NOT DETECTED
-----	INITIAL EXCAVATION AREA
—————	FINAL EXCAVATION AREA

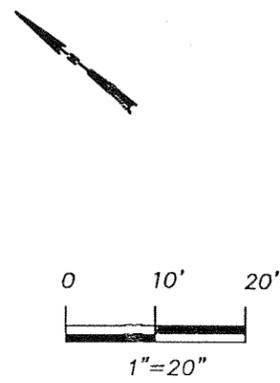


Figure 4  
FINAL EXCAVATION AREA,  
SAMPLING LOCATIONS,  
DEPTHS, AND DDT RESULTS  
ELF ATOCHEM  
PORTLAND, OREGON



zero exceedances provides a 95 percent confidence that the site meets established cleanup criteria. The maximum excavation area at the Elf Atochem facility was approximately 90 feet by 40 feet (3,600 square feet), well below 12,000 square feet. Therefore, a minimum of 29 soil samples, from both the bottom and the side walls of the excavation, were collected following removal.

Using the excavator, samples were obtained at various depths and locations as shown in Figure 3. Samples were collected along the side walls at a lateral spacing of about 20 feet and at two general depths: approximately 4 to 4-½ feet and 8-½ to 9-½ feet. Bottom samples were spaced about 10 to 20 feet apart. A summary of the verification samples collected is provided in Table 1.

Samples were collected with disposable spoons or with properly decontaminated trowels by Foss. Sampled material was placed into laboratory-prepared, 8-ounce sample jars with Teflon-lined lids. Duplicate samples were collected from three (approximately 10 percent) of the designated sample locations during Phase 1, two of the sample locations during Phase 2, and one of the sample locations during Phase 3.

Decontamination of sampling tools consisted of removing bulk solids, washing the tools with Alconox or Liquinox detergent, and double washing and rinsing with deionized water. Decontaminated tools were wrapped in clean cloth if not immediately reused. Before and between collection of samples, the excavator bucket was cleaned to remove bulk solids to minimize cross-contamination.

Samples were submitted to North Creek Analytical Laboratory for organochlorinated pesticides analysis using EPA Method 8080 and Toxicity Characteristic Leaching Procedure (TCLP) using EPA Method 1311 for organochlorinated pesticides. Laboratory data sheets are provided in Appendix A.

### ***Verification Sampling Results***

A summary of the final verification sampling results for DDD, DDE, and DDT residues is presented in Table 2. As shown on the table, DDD, DDE, and DDT were either not detected in the final verification samples or were detected at concentrations below the target cleanup criteria. DDD, DDE, and DDT were the only detected constituents in the organochlorinated pesticide analyses performed, with one exception: endosulfan II was detected at a level slightly above the detection limit in sample AC-03.

These results satisfy DEQ's recommended verification sampling approach, the "no exceedance" method, as described in DEQ's *Guidelines for Soil Sampling*, Review Draft, dated April 1993. With over 29 samples analyzed and zero exceedances, DEQ guidance states that there is a 95 percent confidence that the site has met target cleanup criteria.

Five of the verification samples were also selected for TCLP analyses of organochlorinated pesticides. Three samples from the bottom of the excavation and two samples from the walls of the excavation, with detectable concentrations of DDD, DDE and/or DDT, were selected for TCLP analyses. One of the wall samples (AC-11-A) was collected during Phase 1 and

**Table 1**  
**Verification Sampling Summary**

Sampling Location Description	Phase 1			Phase 2			Phase 3		
	Sample ID	Sample Date	Approximate <sup>s</sup> Depth (ft)	Sample ID	Sample Date	Approximate <sup>s</sup> Depth (ft)	Sample ID	Sample Date	Approximate <sup>s</sup> Depth (ft)
<b>South end of excavation</b>									
West wall	1	8/19/94	4	--	--	--	--	--	--
West wall	2	8/19/94	9	2-2	8/30/94	9	--	--	--
Center west bottom	3	8/19/94	11	--	--	--	--	--	--
South wall	4	8/19/94	4½	4-2	8/30/94	4½	--	--	--
South wall	5 <sup>1</sup>	8/19/94	4½	5-2 <sup>2</sup>	8/30/94	4½	5-3	9/8/94	4½
South wall	6	8/19/94	8½	--	--	--	--	--	--
Southeast bottom	7	8/19/94	10½	--	--	--	--	--	--
Southwest bottom	8	8/19/94	11	--	--	--	--	--	--
Center east bottom	9	8/19/94	10½	--	--	--	--	--	--
East wall	10	8/19/94	9½	10-2	8/30/94	9½	--	--	--
East wall	11	8/19/94	4½	11-2	8/30/94	4½	--	--	--
East wall	12	8/19/94	9	--	--	--	--	--	--
East wall	13	8/19/94	4	--	--	--	--	--	--
<b>North end of excavation</b>									
West wall	AC-01-A	8/24/94	4	--	--	--	--	--	--
West wall	AC-02-A	8/24/94	9	--	--	--	--	--	--
Center bottom	AC-03	8/24/94	11½	--	--	--	--	--	--
West wall	AC-04-A	8/24/94	4½	AC-04-2	8/30/94	4½	--	--	--
West wall	AC-05-A	8/24/94	9½	--	--	--	--	--	--
West bottom	AC-06	8/24/94	11½	--	--	--	--	--	--
West bottom	AC-07 <sup>3</sup>	8/24/94	11½	AC-7-2	8/29/94	12½	--	--	--
West wall	AC-08-A	8/24/94	4	AC-8-2	8/30/94	4	--	--	--
West wall	AC-09-A	8/24/94	9½	--	--	--	--	--	--
Northwest bottom	AC-10	8/24/94	11	AC-10-2	8/29/94	13	--	--	--
North wall	AC-11-A	8/24/94	4½	AC-11-2	8/30/94	4½	--	--	--

**Table 1  
Verification Sampling Summary**

Sampling Location Description	Phase 1			Phase 2			Phase 3		
	Sample ID	Sample Date	Approximate <sup>8</sup> Depth (ft)	Sample ID	Sample Date	Approximate <sup>8</sup> Depth (ft)	Sample ID	Sample Date	Approximate <sup>8</sup> Depth (ft)
<b>North end of excavation (continued)</b>									
North wall	AC-12-A	8/24/94	9½	AC-12-2	8/30/94	9½	AC-12-3	9/8/94	9½
North wall	AC-13 <sup>4</sup>	8/24/94	9½	AC-13 <sup>5</sup>	8/30/94	9½	AC-13-3 <sup>6</sup>	9/8/94	9½
Northeast bottom	AC-14	8/24/94	11	--	--	--	--	--	--
East wall	AC-15-A	8/24/94	4½	AC-15-2	8/30/94	4½	--	--	--
East wall	AC-16-A	8/24/94	9½	--	--	--	--	--	--
East bottom	AC-17	8/24/94	11	AC-17-2	8/30/94	12½	--	--	--
East wall	AC-18-A	8/24/94	4½	--	--	--	--	--	--
East wall	AC-19-A	8/24/94	9½	--	--	--	--	--	--
Center east bottom	AC-20	8/24/94	11½	--	--	--	--	--	--
<b>Site Investigation IDW<sup>7</sup></b>									
Decontamination water	14	8/19/94	--	--	--	--	--	--	--
Drum of soil cuttings	DM-01	8/24/94	--	--	--	--	--	--	--

<sup>1</sup> Duplicate of Sample 4

<sup>2</sup> Duplicate of Sample 5-2

<sup>3</sup> Duplicate of Sample AC-06

<sup>4</sup> Duplicate of Sample AC-12-A

<sup>5</sup> Duplicate of Sample AC-12-2

<sup>6</sup> Duplicate of Sample AC-12-3

<sup>7</sup> Investigation derived waste (IDW) generated during the soil and groundwater investigation as described in CH2M HILL's *Draft Work Plan, Phase 2 Soil and Groundwater Investigation Acid Plant project*. April 1994.

<sup>8</sup> Depths listed are in feet below original ground surface prior to excavation.

**Table 2**  
**Summary of Final Verification Results**  
**(mg/kg)**

Sample Description			Concentration			Phase of Final Excavation and Verification Sampling
Sample ID	Location Description	Approximate Depth* (ft)	DDD	DDE	DDT	
1	West wall	4	0.039	ND	0.11	Phase 1
2-2	West wall	9	ND	ND	ND	Phase 2
3	Center west bottom	11	0.19	0.014	0.48	Phase 1
4-2	South wall	4½	ND	ND	1.4	Phase 2
5-3	South wall	4½	ND	ND	ND	Phase 3
6	South wall	8½	0.015	ND	0.018	Phase 1
7	Southeast bottom	10½	0.33	0.052	0.97	Phase 1
8	Southwest bottom	11	0.91	0.29	0.17	Phase 1
9	Center east bottom	10½	ND	ND	ND	Phase 1
10-2	East wall	9½	ND	ND	ND	Phase 2
11-2	East wall	4½	ND	ND	0.9	Phase 2
12	East wall	9	ND	ND	ND	Phase 1
13	East wall	4	ND	ND	ND	Phase 1
AC-01-A	West wall	4	ND	ND	0.016	Phase 1
AC-02-A	West wall	9	ND	ND	ND	Phase 1
AC-03	Center bottom	11½	0.14	0.063	ND	Phase 1
AC-04-2	West wall	4½	ND	ND	ND	Phase 2
AC-05-A	West wall	9½	0.056	ND	0.76	Phase 1
AC-06	West bottom	11½	ND	ND	0.03	Phase 1
AC-07-2	West bottom	12½	0.3	ND	0.25	Phase 2
AC-08-2	West wall	4	ND	ND	0.69	Phase 2
AC-09-A	West wall	9½	ND	ND	ND	Phase 1
AC-10-2	Northwest bottom	13	0.19	ND	0.15	Phase 2
AC-11-2	North wall	4½	ND	ND	1.0	Phase 2
AC-12-3	North wall	9½	ND	ND	1.8	Phase 3
AC-13-3	North wall	9½	ND	ND	ND	Phase 3
AC-14	Northeast bottom	11	ND	ND	ND	Phase 1
AC-15-2	East wall	4½	ND	ND	ND	Phase 2
AC-16-A	East wall	9½	ND	ND	0.13	Phase 1
AC-17-2	East bottom	12½	ND	ND	ND	Phase 2
AC-18-A	East wall	4½	ND	ND	0.74	Phase 1
AC-19-A	East wall	9½	ND	ND	ND	Phase 1
AC-20	Center east bottom	11½	0.058	ND	ND	Phase 1
Oregon Environmental Cleanup Rules; Residential Soil Cleanup Levels (OAR 340-122-045)			3	2	2	

ND = not detected.

\* Depths listed are in feet below original ground surface prior to excavation.

had a concentration of DDT (12 mg/kg) that exceeded the target cleanup criteria. Additional excavation during Phase 2 and subsequent verification sampling conducted at this sampling location yielded results below the target cleanup criteria (see Table 2). This sample (which was subsequently excavated), as well as the other four samples analyzed, had TCLP concentrations that either were not detected or were well below the Leachate Reference Concentrations for DDD, DDE, and DDT. The TCLP results are summarized in Table 3.

## Site Restoration

High-visibility yellow identification tape was placed at 10-foot intervals along the bottom and sidewalls of the excavation to distinguish native materials from the imported backfill before the backfill was placed in the excavation.

Two types of backfill were used during the restoration process as required in the contract specifications:

- Type 1 backfill, consisting of a low-permeability silty clay free from roots, trash, debris, organic matter, and rocks
- Type 2 backfill, consisting of a combination of select sandy silt and silty sand free from roots, trash, debris, organic matter, and rocks larger than 3 inches

Both types of backfill materials were supplied by Angell Brothers Rock Products of St. Johns, Oregon. The backfill materials were sampled and analyzed prior to use at the Elf Atochem site. Analyses included total petroleum hydrocarbon identification (TPH-HCID per Oregon DEQ), volatile organic compounds (EPA Method 8240), semivolatile organic compounds (EPA Method 8270), PCBs (EPA Method 8080) and TCLP metals (EPA Methods 1311, 6010, 7000 series). Laboratory data sheets are provided in Appendix B. Of the analyses performed, only two constituents were detected at fairly low levels: 1,4-dichlorobenzene at 0.0051 mg/kg in Type 2 backfill and TCLP barium at 0.56 mg/L in Type 1 backfill. The State of Oregon does not have a numerical soil cleanup level for 1,4-dichlorobenzene; however, the leachate reference concentration (OAR 340-122-045) for barium is 100 mg/L, over three orders of magnitude higher than the level detected.

Type 1 backfill was used to fill the excavation up to an approximate 8-foot below grade elevation. Compaction was completed in 8- to 10-inch lifts using a mid-size bulldozer and the bucket of the trackhoe. A total of approximately 751 tons, or an estimated 577 yards, of Type 1 fill were used.

Type 2 backfill was used from approximately 8 feet below grade to final grade. Compaction was achieved in the same manner as the Type 1 backfill. A total of approximately 1,108 tons, or an estimated 887 yards, of Type 2 backfill were used. The excavation and traffic areas were leveled and smoothed for final restoration.

**Table 3  
Summary of TCLP Results**

Sample ID	3		7		AC-7-2		AC-11-A*		AC-16-A		Leachate Reference Concentration (OAR340-122-045) (mg/L)
Location Description	Center West Bottom		Southeast Bottom		West Bottom		North Wall		East Wall		
	Total (mg/kg)	TCLP (mg/L)	Total (mg/kg)	TCLP (mg/L)	Total (mg/kg)	TCLP (mg/L)	Total (mg/kg)	TCLP (mg/L)	Total (mg/kg)	TCLP (mg/L)	
DDD	0.19	ND	0.33	ND	0.3	ND	ND	ND	ND	0.00011	
DDE	0.014	ND	0.052	ND	ND	ND	ND	ND	ND	ND	0.04
DDT	0.48	ND	0.97	ND	0.25	ND	12	0.00023	0.13	ND	0.03

\*Sample collected during Phase 1; Phase 2 excavation and verification sampling conducted at that location (see Table 2 for final verification results).

## **Waste Characterization and Disposal**

Waste characterization was performed by CWMNW. The waste profile number provided by CWM was ARL BB8834. The waste profile is provided in Appendix C. The waste was described as non-regulated per 49 CFR with an Oregon waste code of X001. Approximately 1,700 tons of soil were transported to and disposed of at the CWMNW landfill facility in Arlington, Oregon. Copies of the waste manifests are provided in Appendix D.

**Appendix A**  
**Verification Sampling Laboratory Data Sheets**

**Organochlorinated Pesticides per EPA 8080  
Results In ug/kg (ppb)**

Client: Foss Environmental Services Company  
 Project: ELF ATOCHEM  
 Received: 08/19/1994

NCA Number: 94-2371  
 Matrix: soil

Sample Name	Analyte	Result	MRL	Date Prepped	Date Analyzed
#1	Aldrin	ND	15	08/23/94	08/25/94
	Alpha-BHC	ND	15		
	Beta-BHC	ND	15		
	Chlordane	ND	450		
	4,4'-DDD	39	15		
	4,4'-DDE	ND	15		
	4,4'-DDT	110	15		
	Delta-BHC	ND	15		
	Dieldrin	ND	15		
	Endosulfan I	ND	15		
	Endosulfan II	ND	15		
	Endosulfan Sulfate	ND	15		
	Endrin	ND	15		
	Endrin Aldehyde	ND	15		
	Gamma-BHC	ND	15		
	Heptachlor	ND	15		
	Heptachlor Epoxide	ND	15		
Methoxychlor	ND	15			
Toxaphene	ND	450			
#2	Aldrin	ND	110	08/23/94	08/25/94
	Alpha-BHC	ND	110		
	Beta-BHC	ND	110		
	Chlordane	ND	3200		
	4,4'-DDD	780	110		
	4,4'-DDE	62	21		
	4,4'-DDT	3900	110		
	Delta-BHC	ND	110		
	Dieldrin	ND	110		
	Endosulfan I	ND	110		
	Endosulfan II	ND	110		
	Endosulfan Sulfate	ND	110		
	Endrin	ND	110		
	Endrin Aldehyde	ND	110		
	Gamma-BHC	ND	110		
	Heptachlor	ND	110		
	Heptachlor Epoxide	ND	110		
Methoxychlor	ND	110			
Toxaphene	ND	3200			

MRL Method Reporting Level  
 ND None Detected at or above the method reporting level  
 \* See Comment Section at end of report

**Organochlorinated Pesticides per EPA 8080  
Results In ug/kg (ppb)**

Client: Foss Environmental Services Company  
 Project: ELF ATOCHEM  
 Received: 08/19/1994

NCA Number: 94-2371  
 Matrix: soil

Sample Name	Analyte	Result	MRL	Date Prepped	Date Analyzed
#3 * <sup>1</sup>	Aldrin	ND	55	08/23/94	08/25/94
	Alpha-BHC	ND	55		
	Beta-BHC	ND	55		
	Chlordane	ND	1700		
	4,4'-DDD	190	55		
	4,4'-DDE	14	11		
	4,4'-DDT	480	55		
	Delta-BHC	ND	55		
	Dieldrin	ND	55		
	Endosulfan I	ND	55		
	Endosulfan II	ND	55		
	Endosulfan Sulfate	ND	55		
	Endrin	ND	55		
	Endrin Aldehyde	ND	55		
	Gamma-BHC	ND	55		
	Heptachlor	ND	55		
	Heptachlor Epoxide	ND	55		
Methoxychlor	ND	280			
Toxaphene	ND	1700			
#4 * <sup>1</sup>	Aldrin	ND	8000	08/23/94	08/25/94
	Alpha-BHC	ND	8000		
	Beta-BHC	ND	8000		
	Chlordane	ND	240000		
	4,4'-DDD	36000	8000		
	4,4'-DDE	ND	8000		
	4,4'-DDT	140000	8000		
	Delta-BHC	ND	8000		
	Dieldrin	ND	8000		
	Endosulfan I	ND	8000		
	Endosulfan II	ND	8000		
	Endosulfan Sulfate	ND	8000		
	Endrin	ND	8000		
	Endrin Aldehyde	ND	8000		
	Gamma-BHC	ND	8000		
	Heptachlor	ND	8000		
	Heptachlor Epoxide	ND	8000		
Methoxychlor	ND	8000			
Toxaphene	ND	240000			

MRL Method Reporting Level  
 ND None Detected at or above the method reporting level  
 \* See Comment Section at end of report

**Organochlorinated Pesticides per EPA 8080  
Results In ug/kg (ppb)**

Client: Foss Environmental Services Company  
 Project: ELF ATOCHEM  
 Received: 08/19/1994

NCA Number: 94-2371  
 Matrix: soil

Sample Name	Analyte	Result	MRL	Date Prepped	Date Analyzed
#5	Aldrin	ND	8000	08/23/94	08/25/94
	Alpha-BHC	ND	8000		
	Beta-BHC	ND	8000		
	Chlordane	ND	240000		
	4,4'-DDD	18000	8000		
	4,4'-DDE	ND	8000		
	4,4'-DDT	60000	8000		
	Delta-BHC	ND	8000		
	Dieldrin	ND	8000		
	Endosulfan I	ND	8000		
	Endosulfan II	ND	8000		
	Endosulfan Sulfate	ND	8000		
	Endrin	ND	8000		
	Endrin Aldehyde	ND	8000		
	Gamma-BHC	ND	8000		
	Heptachlor	ND	8000		
	Heptachlor Epoxide	ND	8000		
Methoxychlor	ND	8000			
Toxaphene	ND	240000			
#6	Aldrin	ND	5.0	08/23/94	08/25/94
	Alpha-BHC	ND	5.0		
	Beta-BHC	ND	5.0		
	Chlordane	ND	150		
	4,4'-DDD	15	5.0		
	4,4'-DDE	ND	5.0		
	4,4'-DDT	18	5.0		
	Delta-BHC	ND	5.0		
	Dieldrin	ND	5.0		
	Endosulfan I	ND	5.0		
	Endosulfan II	ND	5.0		
	Endosulfan Sulfate	ND	5.0		
	Endrin	ND	5.0		
	Endrin Aldehyde	ND	5.0		
	Gamma-BHC	ND	5.0		
	Heptachlor	ND	5.0		
	Heptachlor Epoxide	ND	5.0		
Methoxychlor	ND	5.0			
Toxaphene	ND	150			

MRL Method Reporting Level  
 ND None Detected at or above the method reporting level  
 \* See Comment Section at end of report

**Organochlorinated Pesticides per EPA 8080  
Results In ug/kg (ppb)**

Client: Foss Environmental Services Company  
Project: ELF ATOCHEM  
Received: 08/19/1994

NCA Number: 94-2371  
Matrix: soil

Sample Name	Analyte	Result	MRL	Date Prepped	Date Analyzed
#7 *1	Aldrin	ND	50	08/23/94	08/25/94
	Alpha-BHC	ND	50		
	Beta-BHC	ND	50		
	Chlordane	ND	1500		
	4,4'-DDD	330	50		
	4,4'-DDE	52	50		
	4,4'-DDT	970	50		
	Delta-BHC	ND	50		
	Dieldrin	ND	50		
	Endosulfan I	ND	50		
	Endosulfan II	ND	50		
	Endosulfan Sulfate	ND	50		
	Endrin	ND	50		
	Endrin Aldehyde	ND	50		
	Gamma-BHC	ND	50		
	Heptachlor	ND	50		
	Heptachlor Epoxide	ND	50		
Methoxychlor	ND	85			
Toxaphene	ND	1500			
#8 *1	Aldrin	ND	85	08/23/94	08/25/94
	Alpha-BHC	ND	85		
	Beta-BHC	ND	85		
	Chlordane	ND	2600		
	4,4'-DDD	910	85		
	4,4'-DDE	290	85		
	4,4'-DDT	170	85		
	Delta-BHC	ND	85		
	Dieldrin	ND	85		
	Endosulfan I	ND	85		
	Endosulfan II	ND	85		
	Endosulfan Sulfate	ND	85		
	Endrin	ND	85		
	Endrin Aldehyde	ND	85		
	Gamma-BHC	ND	85		
	Heptachlor	ND	85		
	Heptachlor Epoxide	ND	85		
Methoxychlor	ND	85			
Toxaphene	ND	2600			

MRL Method Reporting Level  
ND None Detected at or above the method reporting level  
\* See Comment Section at end of report

**Organochlorinated Pesticides per EPA 8080  
Results In ug/kg (ppb)**

Client: Foss Environmental Services Company  
 Project: ELF ATOCHEM  
 Received: 08/19/1994

NCA Number: 94-2371  
 Matrix: soil

Sample Name	Analyte	Result	MRL	Date Prepped	Date Analyzed
#9 *2	Aldrin	ND	85	08/23/94	08/25/94
	Alpha-BHC	ND	85		
	Beta-BHC	ND	85		
	Chlordane	ND	2600		
	4,4'-DDD	ND	85		
	4,4'-DDE	ND	85		
	4,4'-DDT	ND	85		
	Delta-BHC	ND	85		
	Dieldrin	ND	85		
	Endosulfan I	ND	85		
	Endosulfan II	ND	85		
	Endosulfan Sulfate	ND	85		
	Endrin	ND	85		
	Endrin Aldehyde	ND	85		
	Gamma-BHC	ND	85		
	Heptachlor	ND	85		
	Heptachlor Epoxide	ND	85		
Methoxychlor	ND	85			
Toxaphene	ND	2600			
#10 *1	Aldrin	ND	50000	08/23/94	08/25/94
	Alpha-BHC	ND	50000		
	Beta-BHC	ND	50000		
	Chlordane	ND	1500000		
	4,4'-DDD	59000	50000		
	4,4'-DDE	ND	50000		
	4,4'-DDT	200000	60000		
	Delta-BHC	ND	50000		
	Dieldrin	ND	50000		
	Endosulfan I	ND	50000		
	Endosulfan II	ND	50000		
	Endosulfan Sulfate	ND	50000		
	Endrin	ND	50000		
	Endrin Aldehyde	ND	50000		
	Gamma-BHC	ND	50000		
	Heptachlor	ND	50000		
	Heptachlor Epoxide	ND	50000		
Methoxychlor	ND	80000			
Toxaphene	ND	1500000			

MRL Method Reporting Level  
 ND None Detected at or above the method reporting level  
 \* See Comment Section at end of report

**Organochlorinated Pesticides per EPA 8080  
Results In ug/kg (ppb)**
**Client:** Foss Environmental Services Company  
**Project:** ELF ATOCHEM  
**Received:** 08/19/1994

**NCA Number:** 94-2371  
**Matrix:** soil

Sample Name	Analyte	Result	MRL	Date Prepped	Date Analyzed
#11 * <sup>1</sup>	Aldrin	ND	85	08/23/94	08/25/94
	Alpha-BHC	ND	85		
	Beta-BHC	ND	85		
	Chlordane	ND	2600		
	4,4'-DDD	2200	85		
	4,4'-DDE	88	85		
	4,4'-DDT	7900	85		
	Delta-BHC	ND	85		
	Dieldrin	ND	85		
	Endosulfan I	ND	85		
	Endosulfan II	ND	85		
	Endosulfan Sulfate	ND	85		
	Endrin	ND	85		
	Endrin Aldehyde	ND	170		
	Gamma-BHC	ND	85		
	Heptachlor	ND	85		
	Heptachlor Epoxide	ND	85		
Methoxychlor	ND	170			
Toxaphene	ND	2600			
#12 * <sup>2</sup>	Aldrin	ND	50	08/23/94	08/25/94
	Alpha-BHC	ND	50		
	Beta-BHC	ND	50		
	Chlordane	ND	1500		
	4,4'-DDD	ND	50		
	4,4'-DDE	ND	50		
	4,4'-DDT	ND	50		
	Delta-BHC	ND	50		
	Dieldrin	ND	50		
	Endosulfan I	ND	50		
	Endosulfan II	ND	50		
	Endosulfan Sulfate	ND	50		
	Endrin	ND	50		
	Endrin Aldehyde	ND	50		
	Gamma-BHC	ND	50		
	Heptachlor	ND	50		
	Heptachlor Epoxide	ND	50		
Methoxychlor	ND	50			
Toxaphene	ND	1500			

MRL Method Reporting Level  
ND None Detected at or above the method reporting level  
\* See Comment Section at end of report.

**TCLP Pesticides per EPA 1311, 8080, Full List  
Results In mg/L (ppm)**

Client: Foss Environmental Services Company  
 Project: ELF ATOCHEM  
 Received: 08/19/1994

NCA Number: 94-2371  
 Matrix: soil

Sample Name	Analyte	Result	MRL
#7	Aldrin	ND	0.00010
	Alpha-BHC	ND	0.00010
	Beta-BHC	ND	0.00010
	Chlordane	ND	0.0050
	4,4'-DDD	ND	0.00010
	4,4'-DDE	ND	0.00010
	4,4'-DDT	ND	0.00010
	Delta-BHC	ND	0.00010
	Dieldrin	ND	0.00010
	Endosulfan I	ND	0.00010
	Endosulfan II	ND	0.00010
	Endosulfan Sulfate	ND	0.00010
	Endrin	ND	0.00010
	Endrin Aldehyde	ND	0.00010
	Gamma-BHC	ND	0.00010
	Heptachlor	ND	0.00010
	Heptachlor Epoxide	ND	0.00010
	Methoxychlor	ND	0.00010
	Toxaphene	ND	0.0050
		Date Extracted	09/07/94
	Date Prepped	09/08/94	
	Date Analyzed	09/09/94	

MRL Method Reporting Level  
 ND None Detected at or above the method reporting level  
 \* See Comment Section at end of report

**TCLP Pesticides per EPA 1311, 8080, Full List  
Results In mg/L (ppm)**

Client: Foss Environmental Services Company  
 Project: ELF ATOCHEM  
 Received: 08/19/1994

NCA Number: 94-2371  
 Matrix: soil

Sample Name	Analyte	Result	MRL
Method Blank	Aldrin	ND	0.00010
	Alpha-BHC	ND	0.00010
	Beta-BHC	ND	0.00010
	Chlordane	ND	0.0050
	4,4'-DDD	ND	0.00010
	4,4'-DDE	ND	0.00010
	4,4'-DDT	ND	0.00010
	Delta-BHC	ND	0.00010
	Dieldrin	ND	0.00010
	Endosulfan I	ND	0.00010
	Endosulfan II	ND	0.00010
	Endosulfan Sulfate	ND	0.00010
	Endrin	ND	0.00010
	Endrin Aldehyde	ND	0.00010
	Gamma-BHC	ND	0.00010
	Heptachlor	ND	0.00010
	Heptachlor Epoxide	ND	0.00010
Methoxychlor	ND	0.00010	
Toxaphene	ND	0.0050	

MRL  
 ND  
 \*

Method Reporting Level  
 None Detected at or above the method reporting level  
 See Comment Section at end of report

**SURROGATE RECOVERIES (%)**
**Client:** Foss Environmental Services Company  
**Project:** ELF ATOCHEM

**NCA Number:** 94-2371  
**Received:** 08/19/1994

Sample Name	Analyte	Result	Control Limits
<b>Organochlorinated Pesticides per EPA 8080</b>			
#1	Decachlorobiphenyl 2,4,5,6-Tetrachloro-m-xylene	— 88	48-151 27-123
#2	Decachlorobiphenyl 2,4,5,6-Tetrachloro-m-xylene	— 67	48-151 27-123
#3	Decachlorobiphenyl 2,4,5,6-Tetrachloro-m-xylene	— 72	48-151 27-123
#4	Decachlorobiphenyl 2,4,5,6-Tetrachloro-m-xylene	— 124	48-151 27-123
#5	Decachlorobiphenyl 2,4,5,6-Tetrachloro-m-xylene	— 99	48-151 27-123
#6	Decachlorobiphenyl 2,4,5,6-Tetrachloro-m-xylene	— 88	48-151 27-123
#7	Decachlorobiphenyl 2,4,5,6-Tetrachloro-m-xylene	— 75	48-151 27-123
#8	Decachlorobiphenyl 2,4,5,6-Tetrachloro-m-xylene	— 63	48-151 27-123
#9	Decachlorobiphenyl 2,4,5,6-Tetrachloro-m-xylene	— 70	48-151 27-123
#10	Decachlorobiphenyl 2,4,5,6-Tetrachloro-m-xylene	— 108	48-151 27-123
#11	Decachlorobiphenyl 2,4,5,6-Tetrachloro-m-xylene	— 107	48-151 27-123
#12	Decachlorobiphenyl 2,4,5,6-Tetrachloro-m-xylene	— 67	48-151 27-123
#13	Decachlorobiphenyl 2,4,5,6-Tetrachloro-m-xylene	— 52	48-151 27-123

 MRL  
 ND  
 \*

 Method Reporting Level  
 None Detected at or above the method reporting level  
 See Comment Section at end of report

**SURROGATE RECOVERIES (%)**

Client: Foss Environmental Services Company  
 Project: ELF ATOCHEM

NCA Number: 94-2371  
 Received: 08/19/1994

Sample Name	Analyte	Result	Control Limits
<b>Organochlorinated Pesticides per EPA 8080</b>			
#14	Decachlorobiphenyl 2,4,5,6-Tetrachloro-m-xylene	— 63	D-149 33-124
<b>TCLP Pesticides per EPA 1311, 8080, Full List</b>			
#3	Decachlorobiphenyl 2,4,5,6-Tetrachloro-m-xylene	49 * <sup>3</sup> 70	65-130 65-130
#7	Decachlorobiphenyl 2,4,5,6-Tetrachloro-m-xylene	57 * <sup>3</sup> 73	65-130 65-130

MRL  
 ND  
 \*

Method Reporting Level  
 None Detected at or above the method reporting level  
 See Comment Section at end of report



<sup>4055</sup>  
**Foss Environmental Inc.**  
 ENVIRONMENTAL INC.  
 CHEMPRO Division  
 5420 N. Lagoon Drive  
 Portland, OR 97217  
 (503) 283-1150 • FAX: (503) 289-6568

# Chain of Custody/ Laboratory Analysis Request

94-2371

DATE 8/19/94 PAGE 1 OF     

PROJECT <u>ELF Atochen</u> # <u>37200</u>					ANALYSIS REQUESTED										OTHER (Specify)		NUMBER OF CONTAINERS	RECEIVED IN GOOD CONDITION?	
CLIENT INFO. CONTACT <u>Larry Patterson</u>					BASENEU/ACID ORGAN. GC/MS/629/8270 <u>1st</u>	VOLATILE ORGANICS GC/MS/624/8240	PCB's organochlorine pesticide 608/6080	TPH (circle method) 418.1 or 8015	BETX (circle method) 8240 or 8020	F-LISTED SOLVENTS 8240	TCLP F-LISTED SOLVENTS 1311/8240	TCLP METALS D004-11	METALS (TOTAL) As, Ba, Cd, Cr, Cu, Pb, Ni, Hg, Ag, Se, Ti, Sb, Zn	TCLP ORGANICS (specify methods) • VOA's 8240 • BNA's 8270 • Pesticides 8080 • Herbicides 8150	DISCHARGE TESTING				
CHEMPRO DIVISION/GENERATOR NAME																			
TELEPHONE # <u>225-7210</u>																			
SAMPLERS NAME <u>T. Irving</u> PHONE # <u>283-1151</u>																			
SAMPLERS SIGNATURE <u>Judd</u>																			
SAMPLE I.D.	DATE	TIME	LAB I.D.	TYPE															
1. #1	8/19/94	0840		Soil			X												1
2. #2	8/19/94	0845		Soil			X												1
* 3. duplicate split #2	8/19/94	0846	P2316	Soil			X												1
4. #3	8/19/94	0850		Soil			X												1
5. #4	8/19/94	0855		Soil			X												1
6. #5	8/19/94	0900		Soil			X												1
7. #6	8/19/94	0905		Soil			X												1
* 8. duplicate split #6	8/19/94	0906		Soil			X												1

Relinquished By <u>Norman Peacher</u> Signature <u>Norman Peacher</u> Printed Name <u>Norman Peacher</u> Firm <u>Foss Environmental</u> Date/Time <u>8-19-94 1333</u>	Relinquished By <u>Bob Fabschutz</u> Signature <u>Bob Fabschutz</u> Printed Name <u>NCA</u> Firm <u>slake @ 1330</u> Date/Time <u>8/19/94 1615</u>	Relinquished By Signature Printed Name Firm Date/Time	SPECIAL INSTRUCTIONS/COMMENTS: <u>3 Day Rush IAT.</u> <u>* = Hold Sample possibly ran AT later date</u>  <u>LID</u>
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DATE DUE TO CLIENT: 8/24

FROM: (SAMPLES REC'D BY)

<input type="checkbox"/>	BOTHELL
<input checked="" type="checkbox"/>	PORTLAND
<input type="checkbox"/>	SPOKANE

TO: (SAMPLES ANALYZED BY)

<input checked="" type="checkbox"/>	BOTHELL
<input type="checkbox"/>	PORTLAND
<input type="checkbox"/>	SPOKANE

# NCA INTER-LABORATORY CHAIN OF CUSTODY REPORT

CLIENT: <u>Foss Environmental</u>				SUBCONTRACTING PROJECT MANAGER: <u>Philip Nerenberg</u>				SAME DAY RUSH																					
ADDRESS: <u>Possible high levels of DDT !!</u>								NEXT BUSINESS DAY RUSH																					
PHONE: _____ FAX: _____								2 BUSINESS DAY RUSH																					
PROJECT NAME: _____								3 BUSINESS DAY RUSH																					
PROJECT NUMBER: <u>94-2371</u>				Analysis Request: <u>DDT Res Peak</u>				4 BUSINESS DAY RUSH																					
SAMPLED BY: _____								9 BUSINESS DAY STANDARD																					
SAMPLE IDENTIFICATION: (NUMBER OR DESCRIPTION)		SAMPLING DATE / TIME	MATRIX (W,S,O)	# OF CONT.	<table border="1"> <tr> <th>COMMENTS &amp; PRESERVATIVES USED</th> <th>NORTH CREEK SAMPLE NUMBER</th> </tr> <tr> <td></td> <td><u>4/08/1303</u></td> </tr> <tr> <td></td> <td><u>1304</u></td> </tr> <tr> <td><u>HOLD</u></td> <td></td> </tr> <tr> <td></td> <td><u>1305</u></td> </tr> <tr> <td></td> <td><u>1306</u></td> </tr> <tr> <td></td> <td><u>1307</u></td> </tr> <tr> <td></td> <td><u>1308</u></td> </tr> <tr> <td><u>HOLD</u></td> <td></td> </tr> <tr> <td></td> <td><u>1309</u></td> </tr> <tr> <td></td> <td><u>1310</u></td> </tr> </table>			COMMENTS & PRESERVATIVES USED	NORTH CREEK SAMPLE NUMBER		<u>4/08/1303</u>		<u>1304</u>	<u>HOLD</u>			<u>1305</u>		<u>1306</u>		<u>1307</u>		<u>1308</u>	<u>HOLD</u>			<u>1309</u>		<u>1310</u>
COMMENTS & PRESERVATIVES USED	NORTH CREEK SAMPLE NUMBER																												
	<u>4/08/1303</u>																												
	<u>1304</u>																												
<u>HOLD</u>																													
	<u>1305</u>																												
	<u>1306</u>																												
	<u>1307</u>																												
	<u>1308</u>																												
<u>HOLD</u>																													
	<u>1309</u>																												
	<u>1310</u>																												
1. <u>1</u>	<u>8/19/94</u>	<u>5</u>	<u>1</u>	<u>X</u>																									
2. <u>2</u>				<u>X</u>																									
3. <u>2 dup split</u>					<u>HOLD</u>																								
4. <u>3</u>				<u>X</u>																									
5. <u>4</u>				<u>X</u>																									
6. <u>5</u>				<u>X</u>																									
7. <u>6</u>				<u>X</u>																									
8. <u>6 dup split</u>					<u>HOLD</u>																								
9. <u>7</u>				<u>X</u>																									
10. <u>8</u>				<u>X</u>																									
RELINQUISHED BY: <u>Rene Allard</u>				DATE: <u>8/19/94</u>		RECEIVED BY: <u>Jan Collier</u>		DATE: <u>8/22/94</u>																					
FIRM: North Creek Analytical Bothell, Portland, Spokane				TIME: <u>1645</u>		FIRM: NCA Bothell, Portland, Spokane		TIME: <u>0930</u>																					
IS COPY OF ORIGINAL SAMPLE RECEIPT LOG ATTACHED?				YES NO		PAGE <u>1</u> OF <u>2</u>																							
DOES ORIGINATOR HAVE TOTAL SOLIDS RESULTS?				YES NO																									

DATE DUE TO CLIENT: \_\_\_\_\_

FROM: (SAMPLES REC'D BY)

- BOTHELL
- PORTLAND
- SPOKANE

TO: (SAMPLES ANALYZED BY)

- BOTHELL
- PORTLAND
- SPOKANE

# NCA INTER-LABORATORY CHAIN OF CUSTODY REPORT

CLIENT:				SUBCONTRACTING PROJECT MANAGER:				SAME DAY RUSH			
ADDRESS:								NEXT BUSINESS DAY RUSH			
PHONE:		FAX:						2 BUSINESS DAY RUSH			
PROJECT NAME:				Analysis Request: <div style="border: 1px solid black; padding: 5px; transform: rotate(-45deg); display: inline-block;">4060-REST</div>				3 BUSINESS DAY RUSH			
PROJECT NUMBER:								4 BUSINESS DAY RUSH			
SAMPLED BY:								9 BUSINESS DAY STANDARD			
								4 BUS. DAY HYDROCARBONS			
SAMPLE IDENTIFICATION: (NUMBER OR DESCRIPTION)		SAMPLING DATE / TIME	MATRIX (W,S,O)	# OF CONT.	<div style="border: 1px solid black; padding: 5px; transform: rotate(-45deg); display: inline-block;">4060-REST</div>			COMMENTS & PRESERVATIVES USED	NORTH CREEK SAMPLE NUMBER		
1. 8 dup split										HOLD	
2. 9				X							4081311
3. 10				X							1312
4. 10 dup split										HOLD	
5. 11				X							1313
6. 12				X							1314
7. 13				X							1315
8. 13 dup split										HOLD	
9. 14				X							1316
10.											
RELINQUISHED BY: <i>Renee Albertson</i>		DATE: 8/19/94		RECEIVED BY: <i>Jan Allen</i>		DATE: 8/24/94					
FIRM: North Creek Analytical Bothell, Portland, Spokane		TIME: 1645		FIRM: NCA Bothell, Portland, Spokane		TIME: 8930					
IS COPY OF ORIGINAL SAMPLE RECEIPT LOG ATTACHED?				YES NO							
DOES ORIGINATOR HAVE TOTAL SOLIDS RESULTS?				YES NO		PAGE 2 OF 2					

September 15, 1994

Foss Environmental Services Company  
5420 N. Lagoon Drive  
Portland, OR 97217

Attention: Larry Patterson/Todd Irvin

RE: JOB # 37200  
P.O.#  
PROJECT - ELF-ATOCHEM

Enclosed are test results for your samples received in this lab on Aug. 24, 1994. For your reference, these analyses have been assigned our NCA # 94-2411.

Solid samples are reported on a dry weight basis except for Oregon DEQ Fuels Methods and where otherwise noted.

Please call if you have any questions.

Respectfully,



Howard Holmes  
Project Manager

**Organochlorinated Pesticides per EPA 8080, High Level  
Results In ug/kg (ppb)**

Client: Foss Environmental Services Company  
 Project: ELF-ATOCEM  
 Received: 08/24/1994

NCA Number: 94-2411  
 Matrix: soil

Sample Name	Analyte	Result	MRL	Date Prepped	Date Analyzed
AC-01-A	Aldrin	ND	50	08/25/94	08/26/94
	Alpha-BHC	ND	50		
	Beta-BHC	ND	50		
	Chlordane	ND	750		
	4,4'-DDD	ND	50		
	4,4'-DDE	ND	50		
	4,4'-DDT	160	50		
	Delta-BHC	ND	50		
	Dieldrin	ND	50		
	Endosulfan I	ND	50		
	Endosulfan II	ND	50		
	Endosulfan Sulfate	ND	50		
	Endrin	ND	50		
	Endrin Aldehyde	ND	50		
	Gamma-BHC	ND	50		
	Heptachlor	ND	50		
Heptachlor Epoxide	ND	50			
Methoxychlor	ND	50			
Toxaphene	ND	750			
AC-02-A	Aldrin	ND	50	08/25/94	08/26/94
	Alpha-BHC	ND	50		
	Beta-BHC	ND	50		
	Chlordane	ND	750		
	4,4'-DDD	ND	50		
	4,4'-DDE	ND	50		
	4,4'-DDT	ND	50		
	Delta-BHC	ND	50		
	Dieldrin	ND	50		
	Endosulfan I	ND	50		
	Endosulfan II	ND	50		
	Endosulfan Sulfate	ND	50		
	Endrin	ND	50		
	Endrin Aldehyde	ND	50		
	Gamma-BHC	ND	50		
	Heptachlor	ND	50		
Heptachlor Epoxide	ND	50			
Methoxychlor	ND	50			
Toxaphene	ND	750			

MRL Method Reporting Level  
 ND None Detected at or above the method reporting level  
 \* See Comment Section at end of report

**Organochlorinated Pesticides per EPA 8080, High Level  
Results In ug/kg (ppb)**

Client: Foss Environmental Services Company  
 Project: ELF-ATOCHEM  
 Received: 08/24/1994

NCA Number: 94-2411  
 Matrix: soil

Sample Name	Analyte	Result	MRL	Date Prepped	Date Analyzed
AC-03	Aldrin	ND	50	08/25/94	08/29/94
	Alpha-BHC	ND	50		
	Beta-BHC	ND	50		
	Chlordane	ND	750		
	4,4'-DDD	140	50		
	4,4'-DDE	63	50		
	4,4'-DDT	ND	50		
	Delta-BHC	ND	50		
	Dieldrin	ND	50		
	Endosulfan I	ND	50		
	Endosulfan II	52	50		
	Endosulfan Sulfate	ND	50		
	Endrin	ND	50		
	Endrin Aldehyde	ND	50		
	Gamma-BHC	ND	50		
	Heptachlor	ND	50		
	Heptachlor Epoxide	ND	50		
Methoxychlor	ND	50			
Toxaphene	ND	750			
AC-04-A *1	Aldrin	ND	2500	08/25/94	08/26/94
	Alpha-BHC	ND	2500		
	Beta-BHC	ND	2500		
	Chlordane	ND	38000		
	4,4'-DDD	ND	2500		
	4,4'-DDE	ND	2500		
	4,4'-DDT	11000	2500		
	Delta-BHC	ND	2500		
	Dieldrin	ND	2500		
	Endosulfan I	ND	2500		
	Endosulfan II	ND	2500		
	Endosulfan Sulfate	ND	2500		
	Endrin	ND	2500		
	Endrin Aldehyde	ND	2500		
	Gamma-BHC	ND	2500		
	Heptachlor	ND	2500		
	Heptachlor Epoxide	ND	2500		
Methoxychlor	ND	2500			
Toxaphene	ND	38000			

MRL  
 ND  
 \*

Method Reporting Level  
 None Detected at or above the method reporting level  
 See Comment Section at end of report

**Organochlorinated Pesticides per EPA 8080, High Level  
Results In ug/kg (ppb)**

Client: Foss Environmental Services Company  
 Project: ELF-ATOCHEM  
 Received: 08/24/1994

NCA Number: 94-2411  
 Matrix: soil

Sample Name	Analyte	Result	MRL	Date Prepped	Date Analyzed
AC-05-A	Aldrin	ND	50	08/25/94	08/26/94
	Alpha-BHC	ND	50		
	Beta-BHC	ND	50		
	Chlordane	ND	750		
	4,4'-DDD	56	50		
	4,4'-DDE	ND	50		
	4,4'-DDT	760	50		
	Delta-BHC	ND	50		
	Dieldrin	ND	50		
	Endosulfan I	ND	50		
	Endosulfan II	ND	50		
	Endosulfan Sulfate	ND	50		
	Endrin	ND	50		
	Endrin Aldehyde	ND	50		
	Gamma-BHC	ND	50		
	Heptachlor	ND	50		
	Heptachlor Epoxide	ND	50		
Methoxychlor	ND	50			
Toxaphene	ND	750			
AC-06	Aldrin	ND	50	08/25/94	08/26/94
	Alpha-BHC	ND	50		
	Beta-BHC	ND	50		
	Chlordane	ND	750		
	4,4'-DDD	ND	50		
	4,4'-DDE	ND	50		
	4,4'-DDT	30 *2	50		
	Delta-BHC	ND	50		
	Dieldrin	ND	50		
	Endosulfan I	ND	50		
	Endosulfan II	ND	50		
	Endosulfan Sulfate	ND	50		
	Endrin	ND	50		
	Endrin Aldehyde	ND	50		
	Gamma-BHC	ND	50		
	Heptachlor	ND	50		
	Heptachlor Epoxide	ND	50		
Methoxychlor	ND	50			
Toxaphene	ND	750			

MRL Method Reporting Level  
 ND None Detected at or above the method reporting level  
 \* See Comment Section at end of report

**Organochlorinated Pesticides per EPA 8080, High Level  
Results In ug/kg (ppb)**

 Client: Foss Environmental Services Company  
 Project: ELF-ATOCHEM  
 Received: 08/24/1994

 NCA Number: 94-2411  
 Matrix: soil

Sample Name	Analyte	Result	MRL	Date Prepped	Date Analyzed
AC-07 * <sup>1</sup>	Aldrin	ND	1000	08/25/94	08/26/94
	Alpha-BHC	ND	1000		
	Beta-BHC	ND	1000		
	Chlordane	ND	15000		
	4,4'-DDD	ND	1000		
	4,4'-DDE	ND	1000		
	4,4'-DDT	2900	1000		
	Delta-BHC	ND	1000		
	Dieldrin	ND	1000		
	Endosulfan I	ND	1000		
	Endosulfan II	ND	1000		
	Endosulfan Sulfate	ND	1000		
	Endrin	ND	1000		
	Endrin Aldehyde	ND	1000		
	Gamma-BHC	ND	1000		
	Heptachlor	ND	1000		
Heptachlor Epoxide	ND	1000			
Methoxychlor	ND	1000			
Toxaphene	ND	15000			
AC-08-A * <sup>1</sup>	Aldrin	ND	5000	08/25/94	09/06/94
	Alpha-BHC	ND	5000		
	Beta-BHC	ND	5000		
	Chlordane	ND	75000		
	4,4'-DDD	ND	5000		
	4,4'-DDE	ND	5000		
	4,4'-DDT	28000	5000		
	Delta-BHC	ND	5000		
	Dieldrin	ND	5000		
	Endosulfan I	ND	5000		
	Endosulfan II	ND	5000		
	Endosulfan Sulfate	ND	5000		
	Endrin	ND	5000		
	Endrin Aldehyde	ND	5000		
	Gamma-BHC	ND	5000		
	Heptachlor	ND	5000		
Heptachlor Epoxide	ND	5000			
Methoxychlor	ND	5000			
Toxaphene	ND	75000			

 MRL  
 ND  
 \*

 Method Reporting Level  
 None Detected at or above the method reporting level  
 See Comment Section at end of report

**Organochlorinated Pesticides per EPA 8080, High Level  
Results In ug/kg (ppb)**

Client: Foss Environmental Services Company  
 Project: ELF-ATOCHEM  
 Received: 08/24/1994

NCA Number: 94-2411  
 Matrix: soil

Sample Name	Analyte	Result	MRL	Date Prepped	Date Analyzed
AC-09-A	Aldrin	ND	50	08/25/94	08/26/94
	Alpha-BHC	ND	50		
	Beta-BHC	ND	50		
	Chlordane	ND	750		
	4,4'-DDD	ND	50		
	4,4'-DDE	ND	50		
	4,4'-DDT	ND	50		
	Delta-BHC	ND	50		
	Dieldrin	ND	50		
	Endosulfan I	ND	50		
	Endosulfan II	ND	50		
	Endosulfan Sulfate	ND	50		
	Endrin	ND	50		
	Endrin Aldehyde	ND	50		
	Gamma-BHC	ND	50		
	Heptachlor	ND	50		
	Heptachlor Epoxide	ND	50		
Methoxychlor	ND	50			
Toxaphene	ND	750			
AC-10 *1	Aldrin	ND	25000	08/25/94	08/29/94
	Alpha-BHC	ND	25000		
	Beta-BHC	ND	25000		
	Chlordane	ND	380000		
	4,4'-DDD	ND	25000		
	4,4'-DDE	ND	25000		
	4,4'-DDT	160000	25000		
	Delta-BHC	ND	25000		
	Dieldrin	ND	25000		
	Endosulfan I	ND	25000		
	Endosulfan II	ND	25000		
	Endosulfan Sulfate	ND	25000		
	Endrin	ND	25000		
	Endrin Aldehyde	ND	25000		
	Gamma-BHC	ND	25000		
	Heptachlor	ND	25000		
	Heptachlor Epoxide	ND	25000		
Methoxychlor	ND	25000			
Toxaphene	ND	380000			

MRL  
 ND  
 \*

Method Reporting Level  
 None Detected at or above the method reporting level  
 See Comment Section at end of report

**Organochlorinated Pesticides per EPA 8080, High Level  
Results In ug/kg (ppb)**

Client: Foss Environmental Services Company  
Project: ELF-ATOCHEM  
Received: 08/24/1994

NCA Number: 94-2411  
Matrix: soil

Sample Name	Analyte	Result	MRL	Date Prepped	Date Analyzed
AC-11-A * <sup>1</sup>	Aldrin	ND	2500	08/25/94	08/26/94
	Alpha-BHC	ND	2500		
	Beta-BHC	ND	2500		
	Chlordane	ND	38000		
	4,4'-DDD	ND	2500		
	4,4'-DDE	ND	2500		
	4,4'-DDT	12000	2500		
	Delta-BHC	ND	2500		
	Dieldrin	ND	2500		
	Endosulfan I	ND	2500		
	Endosulfan II	ND	2500		
	Endosulfan Sulfate	ND	2500		
	Endrin	ND	2500		
	Endrin Aldehyde	ND	2500		
	Gamma-BHC	ND	2500		
	Heptachlor	ND	2500		
	Heptachlor Epoxide	ND	2500		
Methoxychlor	ND	2500			
Toxaphene	ND	38000			
AC-12-A	Aldrin	ND	50	08/25/94	08/27/94
	Alpha-BHC	ND	50		
	Beta-BHC	ND	50		
	Chlordane	ND	750		
	4,4'-DDD	50 * <sup>2</sup>	50		
	4,4'-DDE	27 * <sup>2</sup>	50		
	4,4'-DDT	470	50		
	Delta-BHC	ND	50		
	Dieldrin	ND	50		
	Endosulfan I	ND	50		
	Endosulfan II	ND	50		
	Endosulfan Sulfate	ND	50		
	Endrin	ND	50		
	Endrin Aldehyde	ND	50		
	Gamma-BHC	ND	50		
	Heptachlor	ND	50		
	Heptachlor Epoxide	ND	50		
Methoxychlor	ND	50			
Toxaphene	ND	750			

MRL Method Reporting Level  
ND None Detected at or above the method reporting level  
\* See Comment Section at end of report

**Organochlorinated Pesticides per EPA 8080, High Level  
Results In ug/kg (ppb)**

Client: Foss Environmental Services Company  
Project: ELF-ATOCHEM  
Received: 08/24/1994

NCA Number: 94-2411  
Matrix: soil

Sample Name	Analyte	Result	MRL	Date Prepped	Date Analyzed
AC-13 *3	Aldrin	ND	1000	08/25/94	08/26/94
	Alpha-BHC	ND	1000		
	Beta-BHC	ND	1000		
	Chlordane	ND	15000		
	4,4'-DDD	1200	1000		
	4,4'-DDE	ND	1000		
	4,4'-DDT	ND	2400		
	Delta-BHC	ND	1000		
	Dieldrin	ND	1000		
	Endosulfan I	ND	1000		
	Endosulfan II	ND	1000		
	Endosulfan Sulfate	ND	1000		
	Endrin	ND	1000		
	Endrin Aldehyde	ND	1000		
	Gamma-BHC	ND	1000		
	Heptachlor	ND	1000		
	Heptachlor Epoxide	ND	1000		
Methoxychlor	ND	1000			
Toxaphene	ND	15000			
AC-14	Aldrin	ND	50	08/25/94	08/27/94
	Alpha-BHC	ND	50		
	Beta-BHC	ND	50		
	Chlordane	ND	750		
	4,4'-DDD	ND	50		
	4,4'-DDE	ND	50		
	4,4'-DDT	ND	50		
	Delta-BHC	ND	50		
	Dieldrin	ND	50		
	Endosulfan I	ND	50		
	Endosulfan II	ND	50		
	Endosulfan Sulfate	ND	50		
	Endrin	ND	50		
	Endrin Aldehyde	ND	50		
	Gamma-BHC	ND	50		
	Heptachlor	ND	50		
	Heptachlor Epoxide	ND	50		
Methoxychlor	ND	50			
Toxaphene	ND	750			

MRL  
ND  
\*

Method Reporting Level  
None Detected at or above the method reporting level  
See Comment Section at end of report

**Organochlorinated Pesticides per EPA 8080, High Level  
Results In ug/kg (ppb)**

Client: Foss Environmental Services Company  
 Project: ELF-ATOCHEM  
 Received: 08/24/1994

NCA Number: 94-2411  
 Matrix: soil

Sample Name	Analyte	Result	MRL	Date Prepped	Date Analyzed
AC-15-A * <sup>1</sup>	Aldrin	ND	1000	08/25/94	08/26/94
	Alpha-BHC	ND	1000		
	Beta-BHC	ND	1000		
	Chlordane	ND	15000		
	4,4'-DDD	ND	1000		
	4,4'-DDE	660 * <sup>2</sup>	1000		
	4,4'-DDT	10000	1000		
	Delta-BHC	ND	1000		
	Dieldrin	ND	1000		
	Endosulfan I	ND	1000		
	Endosulfan II	ND	1000		
	Endosulfan Sulfate	ND	1000		
	Endrin	ND	1000		
	Endrin Aldehyde	ND	1000		
	Gamma-BHC	ND	1000		
	Heptachlor	ND	1000		
	Heptachlor Epoxide	ND	1000		
Methoxychlor	ND	1000			
Toxaphene	ND	15000			
AC-16-A	Aldrin	ND	50	08/25/94	08/27/94
	Alpha-BHC	ND	50		
	Beta-BHC	ND	50		
	Chlordane	ND	750		
	4,4'-DDD	ND	50		
	4,4'-DDE	ND	50		
	4,4'-DDT	130	50		
	Delta-BHC	ND	50		
	Dieldrin	ND	50		
	Endosulfan I	ND	50		
	Endosulfan II	ND	50		
	Endosulfan Sulfate	ND	50		
	Endrin	ND	50		
	Endrin Aldehyde	ND	50		
	Gamma-BHC	ND	50		
	Heptachlor	ND	50		
	Heptachlor Epoxide	ND	50		
Methoxychlor	ND	50			
Toxaphene	ND	750			

MRL Method Reporting Level  
 ND None Detected at or above the method reporting level  
 \* See Comment Section at end of report

**Organochlorinated Pesticides per EPA 8080, High Level  
Results In ug/kg (ppb)**

Client: Foss Environmental Services Company  
 Project: ELF-ATOCHEM  
 Received: 08/24/1994

NCA Number: 94-2411  
 Matrix: soil

Sample Name	Analyte	Result	MRL	Date Prepped	Date Analyzed
AC-17 *1	Aldrin	ND	5000	08/25/94	08/27/94
	Alpha-BHC	ND	5000		
	Beta-BHC	ND	5000		
	Chlordane	ND	75000		
	4,4'-DDD	ND	5000		
	4,4'-DDE	ND	5000		
	4,4'-DDT	56000	5000		
	Delta-BHC	ND	5000		
	Dieldrin	ND	5000		
	Endosulfan I	ND	5000		
	Endosulfan II	ND	5000		
	Endosulfan Sulfate	ND	5000		
	Endrin	ND	5000		
	Endrin Aldehyde	ND	5000		
	Gamma-BHC	ND	5000		
	Heptachlor	ND	5000		
	Heptachlor Epoxide	ND	5000		
Methoxychlor	ND	5000			
Toxaphene	ND	75000			
AC-18 A	Aldrin	ND	50	08/25/94	09/05/95
	Alpha-BHC	ND	50		
	Beta-BHC	ND	50		
	Chlordane	ND	750		
	4,4'-DDD	ND	50		
	4,4'-DDE	ND	50		
	4,4'-DDT	740	50		
	Delta-BHC	ND	50		
	Dieldrin	ND	50		
	Endosulfan I	ND	50		
	Endosulfan II	ND	50		
	Endosulfan Sulfate	ND	50		
	Endrin	ND	50		
	Endrin Aldehyde	ND	50		
	Gamma-BHC	ND	50		
	Heptachlor	ND	50		
	Heptachlor Epoxide	ND	50		
Methoxychlor	ND	50			
Toxaphene	ND	750			

MRL Method Reporting Level  
 ND None Detected at or above the method reporting level  
 \* See Comment Section at end of report

**Organochlorinated Pesticides per EPA 8080, High Level  
Results In ug/kg (ppb)**

Client: Foss Environmental Services Company  
Project: ELF-ATOCHEM  
Received: 08/24/1994

NCA Number: 94-2411  
Matrix: soil

Sample Name	Analyte	Result	MRL	Date Prepped	Date Analyzed
AC-19 A	Aldrin	ND	50	08/25/94	08/26/94
	Alpha-BHC	ND	50		
	Beta-BHC	ND	50		
	Chlordane	ND	750		
	4,4'-DDD	ND	50		
	4,4'-DDE	ND	50		
	4,4'-DDT	ND	50		
	Delta-BHC	ND	50		
	Dieldrin	ND	50		
	Endosulfan I	ND	50		
	Endosulfan II	ND	50		
	Endosulfan Sulfate	ND	50		
	Endrin	ND	50		
	Endrin Aldehyde	ND	50		
	Gamma-BHC	ND	50		
	Heptachlor	ND	50		
Heptachlor Epoxide	ND	50			
Methoxychlor	ND	50			
Toxaphene	ND	750			
AC-20	Aldrin	ND	50	08/25/94	09/05/94
	Alpha-BHC	ND	50		
	Beta-BHC	ND	50		
	Chlordane	ND	750		
	4,4'-DDD	58	50		
	4,4'-DDE	ND	50		
	4,4'-DDT	ND	50		
	Delta-BHC	ND	50		
	Dieldrin	ND	50		
	Endosulfan I	ND	50		
	Endosulfan II	ND	50		
	Endosulfan Sulfate	ND	50		
	Endrin	ND	50		
	Endrin Aldehyde	ND	50		
	Gamma-BHC	ND	50		
	Heptachlor	ND	50		
Heptachlor Epoxide	ND	50			
Methoxychlor	ND	50			
Toxaphene	ND	750			

MRL Method Reporting Level  
ND None Detected at or above the method reporting level  
\* See Comment Section at end of report

**Organochlorinated Pesticides per EPA 8080, High Level  
Results In ug/kg (ppb)**

Client: Foss Environmental Services Company  
 Project: ELF-ATOCHEM  
 Received: 08/24/1994

NCA Number: 94-2411  
 Matrix: soil

Sample Name	Analyte	Result	MRL	Date Prepped	Date Analyzed
DM-01 *1	Aldrin	ND	5000000	08/25/94	08/29/94
	Alpha-BHC	ND	5000000		
	Beta-BHC	ND	5000000		
	Chlordane	ND **4	*****		
	4,4'-DDD	ND	5000000		
	4,4'-DDE	ND	5000000		
	4,4'-DDT	16000000	5000000		
	Delta-BHC	ND	5000000		
	Dieldrin	ND	5000000		
	Endosulfan I	ND	5000000		
	Endosulfan II	ND	5000000		
	Endosulfan Sulfate	ND	5000000		
	Endrin	ND	5000000		
	Endrin Aldehyde	ND	5000000		
	Gamma-BHC	ND	5000000		
	Heptachlor	ND	5000000		
Heptachlor Epoxide	ND	5000000			
Methoxychlor	ND	5000000			
Toxaphene	ND **4	*****			
Method Blank	Aldrin	ND	50		
	Alpha-BHC	ND	50		
	Beta-BHC	ND	50		
	Chlordane	ND	750		
	4,4'-DDD	ND	50		
	4,4'-DDE	ND	50		
	4,4'-DDT	ND	50		
	Delta-BHC	ND	50		
	Dieldrin	ND	50		
	Endosulfan I	ND	50		
	Endosulfan II	ND	50		
	Endosulfan Sulfate	ND	50		
	Endrin	ND	50		
	Endrin Aldehyde	ND	50		
	Gamma-BHC	ND	50		
	Heptachlor	ND	50		
Heptachlor Epoxide	ND	50			
Methoxychlor	ND	50			
Toxaphene	ND	750			

MRL Method Reporting Level  
 ND None Detected at or above the method reporting level  
 \* See Comment Section at end of report

**TCLP Pesticides per EPA 1311, 8080, Full List  
Results In mg/L (ppm)**

Client: Foss Environmental Services Company  
 Project: ELF-ATOCHEM  
 Received: 08/24/1994

NCA Number: 94-2411  
 Matrix: soil

Sample Name	Analyte	Result	MRL
AC-11-A	Aldrin	ND	0.00010
	Alpha-BHC	ND	0.00010
	Beta-BHC	ND	0.00010
	Chlordane	ND	0.0050
	4,4'-DDD	ND	0.00010
	4,4'-DDE	ND	0.00010
	4,4'-DDT	0.00023	0.00010
	Delta-BHC	ND	0.00010
	Dieldrin	ND	0.00010
	Endosulfan I	ND	0.00010
	Endosulfan II	ND	0.00010
	Endosulfan Sulfate	ND	0.00010
	Endrin	ND	0.00010
	Endrin Aldehyde	ND	0.00010
	Gamma-BHC	ND	0.00010
	Heptachlor	ND	0.00010
	Heptachlor Epoxide	ND	0.00010
	Methoxychlor	ND	0.00010
	Toxaphene	ND	0.0050
		Date Extracted	09/07/94
	Date Prepped	09/08/94	
	Date Analyzed	09/09/94	

MRL Method Reporting Level  
 ND None Detected at or above the method reporting level  
 \* See Comment Section at end of report

**TCLP Pesticides per EPA 1311, 8080, Full List  
Results In mg/L (ppm)**

Client: Foss Environmental Services Company  
 Project: ELF-ATOCHEM  
 Received: 08/24/1994

NCA Number: 94-2411  
 Matrix: soil

Sample Name	Analyte	Result	MRL
AC-16-A	Aldrin	ND	0.00010
	Alpha-BHC	ND	0.00010
	Beta-BHC	ND	0.00010
	Chlordane	ND	0.0050
	4,4'-DDD	0.00011	0.00010
	4,4'-DDE	ND	0.00010
	4,4'-DDT	ND	0.00010
	Delta-BHC	ND	0.00010
	Dieldrin	ND	0.00010
	Endosulfan I	ND	0.00010
	Endosulfan II	ND	0.00010
	Endosulfan Sulfate	ND	0.00010
	Endrin	ND	0.00010
	Endrin Aldehyde	ND	0.00010
	Gamma-BHC	ND	0.00010
	Heptachlor	ND	0.00010
	Heptachlor Epoxide	ND	0.00010
	Methoxychlor	ND	0.00010
	Toxaphene	ND	0.0050
		Date Extracted	09/06/94
	Date Prepped	09/07/94	
	Date Analyzed	09/08/94	

MRL Method Reporting Level  
 ND None Detected at or above the method reporting level  
 \* See Comment Section at end of report

**TCLP Pesticides per EPA 1311, 8080, Full List  
Results In mg/L (ppm)**

Client: Foss Environmental Services Company  
 Project: ELF-ATOCHEM  
 Received: 08/24/1994

NCA Number: 94-2411  
 Matrix: soil

Sample Name	Analyte	Result	MRL
Method Blank	Aldrin	ND	0.00010
	Alpha-BHC	ND	0.00010
	Beta-BHC	ND	0.00010
	Chlordane	ND	0.0050
	4,4'-DDD	ND	0.00010
	4,4'-DDE	ND	0.00010
	4,4'-DDT	ND	0.00010
	Delta-BHC	ND	0.00010
	Dieldrin	ND	0.00010
	Endosulfan I	ND	0.00010
	Endosulfan II	ND	0.00010
	Endosulfan Sulfate	ND	0.00010
	Endrin	ND	0.00010
	Endrin Aldehyde	ND	0.00010
	Gamma-BHC	ND	0.00010
	Heptachlor	ND	0.00010
Heptachlor Epoxide	ND	0.00010	
Methoxychlor	ND	0.00010	
Toxaphene	ND	0.0050	

MRL Method Reporting Level  
 ND None Detected at or above the method reporting level  
 \* See Comment Section at end of report

**SURROGATE RECOVERIES (%)**

 Client: Foss Environmental Services Company  
 Project: ELF-ATOCHEM

 NCA Number: 94-2411  
 Received: 08/24/1994

Sample Name	Analyte	Result	Control Limits
<b>Organochlorinated Pesticides per EPA 8080, High Level</b>			
AC-01-A	Decachlorobiphenyl	100	48-151
	2,4,5,6-Tetrachloro-m-xylene	97	64-126
AC-02-A	Decachlorobiphenyl	98	48-151
	2,4,5,6-Tetrachloro-m-xylene	95	64-126
AC-03	Decachlorobiphenyl	102	48-151
	2,4,5,6-Tetrachloro-m-xylene	98	64-126
AC-04-A	Decachlorobiphenyl	— *5	48-151
	2,4,5,6-Tetrachloro-m-xylene	— *5	64-126
AC-05-A	Decachlorobiphenyl	96	48-151
	2,4,5,6-Tetrachloro-m-xylene	94	64-126
AC-06	Decachlorobiphenyl	98	48-151
	2,4,5,6-Tetrachloro-m-xylene	103	64-126
AC-07	Decachlorobiphenyl	— *5	48-151
	2,4,5,6-Tetrachloro-m-xylene	— *5	64-126
AC-08-A	Decachlorobiphenyl	— *5	48-151
	2,4,5,6-Tetrachloro-m-xylene	— *5	64-126
AC-09-A	Decachlorobiphenyl	103	48-151
	2,4,5,6-Tetrachloro-m-xylene	96	64-126
AC-10	Decachlorobiphenyl	— *5	48-151
	2,4,5,6-Tetrachloro-m-xylene	— *5	64-126
AC-11-A	Decachlorobiphenyl	— *5	48-151
	2,4,5,6-Tetrachloro-m-xylene	— *5	64-126
AC-12-A	Decachlorobiphenyl	92	48-151
	2,4,5,6-Tetrachloro-m-xylene	109	64-126
AC-13	Decachlorobiphenyl	— *5	48-151
	2,4,5,6-Tetrachloro-m-xylene	— *5	64-126
AC-14	Decachlorobiphenyl	93	48-151
	2,4,5,6-Tetrachloro-m-xylene	113	64-126

 MRL  
 ND  
 \*

 Method Reporting Level  
 None Detected at or above the method reporting level  
 See Comment Section at end of report

**SURROGATE RECOVERIES (%)**

 Client: Foss Environmental Services Company  
 Project: ELF-ATOCEM

 NCA Number: 94-2411  
 Received: 08/24/1994

Sample Name	Analyte	Result	Control Limits
AC-15-A	Decachlorobiphenyl	— * <sup>5</sup>	48-151
	2,4,5,6-Tetrachloro-m-xylene	— * <sup>5</sup>	64-126
AC-16-A	Decachlorobiphenyl	93	48-151
	2,4,5,6-Tetrachloro-m-xylene	99	64-126
AC-17	Decachlorobiphenyl	— * <sup>5</sup>	48-151
	2,4,5,6-Tetrachloro-m-xylene	— * <sup>5</sup>	64-126
AC-18 A	Decachlorobiphenyl	101	48-151
	2,4,5,6-Tetrachloro-m-xylene	108	64-126
AC-19 A	Decachlorobiphenyl	101	48-151
	2,4,5,6-Tetrachloro-m-xylene	92	64-126
AC-20	Decachlorobiphenyl	116	48-151
	2,4,5,6-Tetrachloro-m-xylene	490 * <sup>6</sup>	64-126
DM-01	Decachlorobiphenyl	— * <sup>5</sup>	48-151
	2,4,5,6-Tetrachloro-m-xylene	— * <sup>5</sup>	64-126

**TCLP Pesticides per EPA 1311, 8080, Full List**

AC-11-A	Decachlorobiphenyl	50 * <sup>6</sup>	65-130
	2,4,5,6-Tetrachloro-m-xylene	74	65-130
AC-16-A	Decachlorobiphenyl	54 * <sup>6</sup>	65-130
	2,4,5,6-Tetrachloro-m-xylene	75	65-130

 MRL  
 ND  
 \*

 Method Reporting Level  
 None Detected at or above the method reporting level  
 See Comment Section at end of report

## **Phase 2**

September 15, 1994

Foss Environmental Services Company  
5420 N. Lagoon Drive  
Portland, OR 97217

Attention: Larry Patterson

RE: JOB # 37200  
P.O.# P5215  
PROJECT - ELF ATOCHEM

Enclosed are test results for your samples received in this lab on Aug. 29, 1994. For your reference, these analyses have been assigned our NCA # 94-2457.

Solid samples are reported on a dry weight basis except for Oregon DEQ Fuels Methods and where otherwise noted.

Please call if you have any questions.

Respectfully,



Howard Holmes  
Project Manager

**Organochlorinated Pesticides per EPA 8080, High Level  
Results In ug/kg (ppb)**

Client: Foss Environmental Services Company  
 Project: ELF ATOCHEM  
 Received: 08/29/1994

NCA Number: 94-2457  
 Matrix: soil

Sample Name	Analyte	Result	MRL	Date Prepped	Date Analyzed
#7-2 AC PBF 12/14/94	Aldrin	ND	50	08/30/94	08/30/94
	Alpha-BHC	ND	50		
	Beta-BHC	ND	50		
	Chlordane	ND	750		
	4,4'-DDD	300	50		
	4,4'-DDE	ND	50		
	4,4'-DDT	250	50		
	Delta-BHC	ND	50		
	Dieldrin	ND	50		
	Endosulfan I	ND	50		
	Endosulfan II	ND	50		
	Endosulfan Sulfate	ND	50		
	Endrin	ND	50		
	Endrin Aldehyde	ND	50		
	Gamma-BHC	ND	50		
	Heptachlor	ND	50		
	Heptachlor Epoxide	ND	50		
Methoxychlor	ND	50			
Toxaphene	ND	750			
#10-2 AC PBF 12/14/94	Aldrin	ND	50	08/30/94	08/30/94
	Alpha-BHC	ND	50		
	Beta-BHC	ND	50		
	Chlordane	ND	750		
	4,4'-DDD	190	50		
	4,4'-DDE	ND	50		
	4,4'-DDT	150	50		
	Delta-BHC	ND	50		
	Dieldrin	ND	50		
	Endosulfan I	ND	50		
	Endosulfan II	ND	50		
	Endosulfan Sulfate	ND	50		
	Endrin	ND	50		
	Endrin Aldehyde	ND	50		
	Gamma-BHC	ND	50		
	Heptachlor	ND	50		
	Heptachlor Epoxide	ND	50		
Methoxychlor	ND	50			
Toxaphene	ND	750			

MRL  
 ND  
 \*

Method Reporting Level  
 None Detected at or above the method reporting level  
 See Comment Section at end of report

**Organochlorinated Pesticides per EPA 8080, High Level  
Results In ug/kg (ppb)**

**Client:** Foss Environmental Services Company  
**Project:** ELF ATOCHEM  
**Received:** 08/29/1994

**NCA Number:** 94-2457  
**Matrix:** soil

Sample Name	Analyte	Result	MRL	Date Prepped	Date Analyzed
Method Blank	Aldrin	ND	50		
	Alpha-BHC	ND	50		
	Beta-BHC	ND	50		
	Chlordane	ND	750		
	4,4'-DDD	ND	50		
	4,4'-DDE	ND	50		
	4,4'-DDT	ND	50		
	Delta-BHC	ND	50		
	Dieldrin	ND	50		
	Endosulfan I	ND	50		
	Endosulfan II	ND	50		
	Endosulfan Sulfate	ND	50		
	Endrin	ND	50		
	Endrin Aldehyde	ND	50		
	Gamma-BHC	ND	50		
	Heptachlor	ND	50		
	Heptachlor Epoxide	ND	50		
Methoxychlor	ND	50			
Toxaphene	ND	750			

MRL Method Reporting Level  
ND None Detected at or above the method reporting level  
\* See Comment Section at end of report

**TCLP Pesticides per EPA 1311, 8080, Full List  
Results In mg/L (ppm)**

Client: Foss Environmental Services Company  
Project: ELF ATOCHEM  
Received: 08/29/1994

NCA Number: 94-2457  
Matrix: soil

Sample Name	Analyte	Result	MRL
#7-2 AC	Aldrin	ND	0.00010
	Alpha-BHC	ND	0.00010
	Beta-BHC	ND	0.00010
	Chlordane	ND	0.0050
	4,4'-DDD	0.00018	0.00010
	4,4'-DDE	ND	0.00010
	4,4'-DDT	ND	0.00010
	Delta-BHC	ND	0.00010
	Dieldrin	ND	0.00010
	Endosulfan I	ND	0.00010
	Endosulfan II	ND	0.00010
	Endosulfan Sulfate	ND	0.00010
	Endrin	ND	0.00010
	Endrin Aldehyde	ND	0.00010
	Gamma-BHC	ND	0.00010
	Heptachlor	ND	0.00010
	Heptachlor Epoxide	ND	0.00010
	Methoxychlor	ND	0.00010
	Toxaphene	ND	0.0050
		Date Extracted	09/06/94
	Date Prepped	09/07/94	
	Date Analyzed	09/08/94	

MRL Method Reporting Level  
ND None Detected at or above the method reporting level  
\* See Comment Section at end of report

**TCLP Pesticides per EPA 1311, 8080, Full List  
Results In mg/L (ppm)**

**Client:** Foss Environmental Services Company  
**Project:** ELF ATOCHEM  
**Received:** 08/29/1994

**NCA Number:** 94-2457  
**Matrix:** soil

Sample Name	Analyte	Result	MRL
Method Blank	Aldrin	ND	0.00010
	Alpha-BHC	ND	0.00010
	Beta-BHC	ND	0.00010
	Chlordane	ND	0.0050
	4,4'-DDD	ND	0.00010
	4,4'-DDE	ND	0.00010
	4,4'-DDT	ND	0.00010
	Delta-BHC	ND	0.00010
	Dieldrin	ND	0.00010
	Endosulfan I	ND	0.00010
	Endosulfan II	ND	0.00010
	Endosulfan Sulfate	ND	0.00010
	Endrin	ND	0.00010
	Endrin Aldehyde	ND	0.00010
	Gamma-BHC	ND	0.00010
	Heptachlor	ND	0.00010
	Heptachlor Epoxide	ND	0.00010
Methoxychlor	ND	0.00010	
Toxaphene	ND	0.0050	

MRL  
ND  
\*

Method Reporting Level  
None Detected at or above the method reporting level  
See Comment Section at end of report

**SURROGATE RECOVERIES (%)**

 Client: Foss Environmental Services Company  
 Project: ELF ATOCHEM

 NCA Number: 94-2457  
 Received: 08/29/1994

Sample Name	Analyte	Result	Control Limits
<b>Organochlorinated Pesticides per EPA 8080, High Level</b>			
#7-2 AC	Decachlorobiphenyl	109	48-151
	2,4,5,6-Tetrachloro-m-xylene	102	64-126
#10-2 AC	Decachlorobiphenyl	109	48-151
	2,4,5,6-Tetrachloro-m-xylene	106	64-126
<b>TCLP Pesticides per EPA 1311, 8080, Full List</b>			
#7-2 AC	Decachlorobiphenyl	57 * <sup>1</sup>	65-130
	2,4,5,6-Tetrachloro-m-xylene	75	65-130

MRL Method Reporting Level  
 ND None Detected at or above the method reporting level  
 \* See Comment Section at end of report

**COMMENTS**

**Client:** Foss Environmental Services Company  
**Project:** ELF ATOCHEM

**NCA Number:** 94-2457  
**Received:** 08/29/1994

- 
1. Surrogate recovery out of control limits. QA criteria are met when one surrogate is within control limits.

# Chain of Custody/ Laboratory Analysis Request

94-2457  
 DATE 8/29/94 PAGE 1 OF

PROJECT <u>ELFAlocken # 37200</u>		ANALYSIS REQUESTED		RECEIVED IN GOOD CONDITION?	
CLIENT INFO. CONTACT <u>Larry Patterson</u>		BASE/NEU/ACID ORGAN. GC/MS/625/8270		NUMBER OF CONTAINERS	
CHEMPRO DIVISION/GENERATOR NAME _____		VOLATILE ORGANICS GC/MS/624/8240		1	
TELEPHONE # <u>225-7260</u>		PCBS/organics <u>pesticide</u> 608/6080		1	
SAMPLERS NAME <u>T. Taylor</u> PHONE # <u>283-1151</u>		F-LISTED SOLVENTS 8240 or 8020			
SAMPLERS SIGNATURE <u>[Signature]</u>		BETX (circle method) 418.1 or 8015			
SAMPLE I.D.	DATE	TIME	LAB I.D.	TYPE	
# 7-2	8/29/94	1000		Soil	
# 10-2	8/29/94	1115		Soil	
3.					
4.					
5.					
6.					
7.					
8.					
Relinquished By <u>[Signature]</u>		Relinquished By <u>[Signature]</u>		SPECIAL INSTRUCTIONS/COMMENTS: <u>3 day JAT. Or better</u> <u>8080 organo pesticide analysis</u>	
Signature	Printed Name	Signature	Printed Name		
Firm	Date/Time	Firm	Date/Time		
Received By <u>[Signature]</u>	Signature	Received By <u>[Signature]</u>	Signature		
Printed Name	Printed Name	Printed Name	Printed Name		
Firm	Firm	Firm	Firm		
Date/Time	Date/Time	Date/Time	Date/Time		
8/29/94	8/29/94	8/29/94	8/29/94		
Received By <u>[Signature]</u>	Signature	Received By <u>[Signature]</u>	Signature		
Printed Name	Printed Name	Printed Name	Printed Name		
Firm	Firm	Firm	Firm		
Date/Time	Date/Time	Date/Time	Date/Time		
8/29/94	8/29/94	8/29/94	8/29/94		

September 9, 1994

Foss Environmental Services Company  
5420 N. Lagoon Drive  
Portland, OR 97217

Attention: Todd Irvin

RE: JOB # 37200  
P.O.# P5216  
PROJECT - ELF ATOCHEM

Enclosed are test results for your samples received in this lab on Aug. 31, 1994. For your reference, these analyses have been assigned our NCA # 94-2475.

Solid samples are reported on a dry weight basis except for Oregon DEQ Fuels Methods and where otherwise noted.

Please call if you have any questions.

Respectfully,



Howard Holmes  
Project Manager

**Organochlorinated Pesticides per EPA 8080, High Level  
Results In ug/kg (ppb)**

Client: Foss Environmental Services Company  
 Project: ELF ATOCHEM  
 Received: 08/31/1994

NCA Number: 94-2475  
 Matrix: soil

Sample Name	Analyte	Result	MRL	Date Prepped	Date Analyzed
Sample 4-2 * <sup>1</sup>	Aldrin	ND	250	08/31/94	09/05/94
	Alpha-BHC	ND	250		
	Beta-BHC	ND	250		
	Chlordane	ND	3800		
	4,4'-DDD	ND	250		
	4,4'-DDE	ND	250		
	4,4'-DDT	1400	250		
	Delta-BHC	ND	250		
	Dieldrin	ND	250		
	Endosulfan I	ND	250		
	Endosulfan II	ND	250		
	Endosulfan Sulfate	ND	250		
	Endrin	ND	250		
	Endrin Aldehyde	ND	250		
	Gamma-BHC	ND	250		
	Heptachlor	ND	250		
	Heptachlor Epoxide	ND	250		
Methoxychlor	ND	250			
Toxaphene	ND	3800			
Sample 5-2 * <sup>1</sup>	Aldrin	ND	10000	08/31/94	09/03/94
	Alpha-BHC	ND	10000		
	Beta-BHC	ND	10000		
	Chlordane	ND	150000		
	4,4'-DDD	ND	10000		
	4,4'-DDE	ND	10000		
	4,4'-DDT	54000	10000		
	Delta-BHC	ND	10000		
	Dieldrin	ND	10000		
	Endosulfan I	ND	10000		
	Endosulfan II	ND	10000		
	Endosulfan Sulfate	ND	10000		
	Endrin	ND	10000		
	Endrin Aldehyde	ND	10000		
	Gamma-BHC	ND	10000		
	Heptachlor	ND	10000		
	Heptachlor Epoxide	ND	10000		
Methoxychlor	ND	10000			
Toxaphene	ND	150000			

MRL Method Reporting Level  
 ND None Detected at or above the method reporting level  
 \* See Comment Section at end of report

**Organochlorinated Pesticides per EPA 8080, High Level  
Results In ug/kg (ppb)**

**Client:** Foss Environmental Services Company  
**Project:** ELF ATOCHEM  
**Received:** 08/31/1994

**NCA Number:** 94-2475  
**Matrix:** soil

Sample Name	Analyte	Result	MRL	Date Prepped	Date Analyzed
Sample 2-2	Aldrin	ND	50	08/31/94	09/02/94
	Alpha-BHC	ND	50		
	Beta-BHC	ND	50		
	Chlordane	ND	750		
	4,4'-DDD	ND	50		
	4,4'-DDE	ND	50		
	4,4'-DDT	ND	50		
	Delta-BHC	ND	50		
	Dieldrin	ND	50		
	Endosulfan I	ND	50		
	Endosulfan II	ND	50		
	Endosulfan Sulfate	ND	50		
	Endrin	ND	50		
	Endrin Aldehyde	ND	50		
	Gamma-BHC	ND	50		
	Heptachlor	ND	50		
	Heptachlor Epoxide	ND	50		
Methoxychlor	ND	50			
Toxaphene	ND	750			
Sample AC17-2	Aldrin	ND	50	08/31/94	09/02/94
	Alpha-BHC	ND	50		
	Beta-BHC	ND	50		
	Chlordane	ND	750		
	4,4'-DDD	ND	50		
	4,4'-DDE	ND	50		
	4,4'-DDT	ND	50		
	Delta-BHC	ND	50		
	Dieldrin	ND	50		
	Endosulfan I	ND	50		
	Endosulfan II	ND	50		
	Endosulfan Sulfate	ND	50		
	Endrin	ND	50		
	Endrin Aldehyde	ND	50		
	Gamma-BHC	ND	50		
	Heptachlor	ND	50		
	Heptachlor Epoxide	ND	50		
Methoxychlor	ND	50			
Toxaphene	ND	750			

MRL  
ND  
\*

Method Reporting Level  
 None Detected at or above the method reporting level  
 See Comment Section at end of report

**Organochlorinated Pesticides per EPA 8080, High Level  
Results In ug/kg (ppb)**

Client: Foss Environmental Services Company  
 Project: ELF ATOCHEM  
 Received: 08/31/1994

NCA Number: 94-2475  
 Matrix: soil

Sample Name	Analyte	Result	MRL	Date Prepped	Date Analyzed
Sample AC8-2	Aldrin	ND	50	08/31/94	09/04/94
	Alpha-BHC	ND	50		
	Beta-BHC	ND	50		
	Chlordane	ND	750		
	4,4'-DDD	ND	50		
	4,4'-DDE	ND	50		
	4,4'-DDT	690	50		
	Delta-BHC	ND	50		
	Dieldrin	ND	50		
	Endosulfan I	ND	50		
	Endosulfan II	ND	50		
	Endosulfan Sulfate	ND	50		
	Endrin	ND	50		
	Endrin Aldehyde	ND	50		
	Gamma-BHC	ND	50		
	Heptachlor	ND	50		
	Heptachlor Epoxide	ND	50		
Methoxychlor	ND	50			
Toxaphene	ND	750			
Sample AC15-2	Aldrin	ND	50	08/31/94	09/02/94
	Alpha-BHC	ND	50		
	Beta-BHC	ND	50		
	Chlordane	ND	750		
	4,4'-DDD	ND	50		
	4,4'-DDE	ND	50		
	4,4'-DDT	ND	50		
	Delta-BHC	ND	50		
	Dieldrin	ND	50		
	Endosulfan I	ND	50		
	Endosulfan II	ND	50		
	Endosulfan Sulfate	ND	50		
	Endrin	ND	50		
	Endrin Aldehyde	ND	50		
	Gamma-BHC	ND	50		
	Heptachlor	ND	50		
	Heptachlor Epoxide	ND	50		
Methoxychlor	ND	50			
Toxaphene	ND	750			

MRL Method Reporting Level  
 ND None Detected at or above the method reporting level  
 \* See Comment Section at end of report

**Organochlorinated Pesticides per EPA 8080, High Level  
Results In ug/kg (ppb)**

**Client:** Foss Environmental Services Company  
**Project:** ELF ATOCHEM  
**Received:** 08/31/1994

**NCA Number:** 94-2475  
**Matrix:** soil

Sample Name	Analyte	Result	MRL	Date Prepped	Date Analyzed
Sample 11-2 * <sup>1</sup>	Aldrin	ND	100	08/31/94	09/06/94
	Alpha-BHC	ND	100		
	Beta-BHC	ND	100		
	Chlordane	ND	1500		
	4,4'-DDD	ND	100		
	4,4'-DDE	ND	100		
	4,4'-DDT	900	100		
	Delta-BHC	ND	100		
	Dieldrin	ND	100		
	Endosulfan I	ND	100		
	Endosulfan II	ND	100		
	Endosulfan Sulfate	ND	100		
	Endrin	ND	100		
	Endrin Aldehyde	ND	100		
	Gamma-BHC	ND	100		
	Heptachlor	ND	100		
	Heptachlor Epoxide	ND	100		
Methoxychlor	ND	100			
Toxaphene	ND	1500			
Sample 10-2	Aldrin	ND	50	08/31/94	09/02/94
	Alpha-BHC	ND	50		
	Beta-BHC	ND	50		
	Chlordane	ND	750		
	4,4'-DDD	ND	50		
	4,4'-DDE	ND	50		
	4,4'-DDT	ND	50		
	Delta-BHC	ND	50		
	Dieldrin	ND	50		
	Endosulfan I	ND	50		
	Endosulfan II	ND	50		
	Endosulfan Sulfate	ND	50		
	Endrin	ND	50		
	Endrin Aldehyde	ND	50		
	Gamma-BHC	ND	50		
	Heptachlor	ND	50		
	Heptachlor Epoxide	ND	50		
Methoxychlor	ND	50			
Toxaphene	ND	750			

MRL Method Reporting Level  
ND None Detected at or above the method reporting level  
\* See Comment Section at end of report

**Organochlorinated Pesticides per EPA 8080, High Level  
Results In ug/kg (ppb)**

Client: Foss Environmental Services Company  
 Project: ELF ATOCHEM  
 Received: 08/31/1994

NCA Number: 94-2475  
 Matrix: soil

Sample Name	Analyte	Result	MRL	Date Prepped	Date Analyzed
Sample AC 4-2	Aldrin	ND	50	08/31/94	09/05/94
	Alpha-BHC	ND	50		
	Beta-BHC	ND	50		
	Chlordane	ND	750		
	4,4'-DDD	ND	50		
	4,4'-DDE	ND	50		
	4,4'-DDT	ND	50		
	Delta-BHC	ND	50		
	Dieldrin	ND	50		
	Endosulfan I	ND	50		
	Endosulfan II	ND	50		
	Endosulfan Sulfate	ND	50		
	Endrin	ND	50		
	Endrin Aldehyde	ND	50		
	Gamma-BHC	ND	50		
	Heptachlor	ND	50		
	Heptachlor Epoxide	ND	50		
Methoxychlor	ND	50			
Toxaphene	ND	750			
Sample 12-9ft-2 * <i>AC-12-2 P8ft 12/14/94</i>	Aldrin	ND	2500	08/31/94	09/07/94
	Alpha-BHC	ND	2500		
	Beta-BHC	ND	2500		
	Chlordane	ND	38000		
	4,4'-DDD	ND	2500		
	4,4'-DDE	ND	2500		
	4,4'-DDT	23000	2500		
	Delta-BHC	ND	2500		
	Dieldrin	ND	2500		
	Endosulfan I	ND	2500		
	Endosulfan II	ND	2500		
	Endosulfan Sulfate	ND	2500		
	Endrin	ND	2500		
	Endrin Aldehyde	ND	2500		
	Gamma-BHC	ND	2500		
	Heptachlor	ND	2500		
	Heptachlor Epoxide	ND	2500		
Methoxychlor	ND	2500			
Toxaphene	ND	38000			

MRL Method Reporting Level  
 ND None Detected at or above the method reporting level  
 \* See Comment Section at end of report

## Organochlorinated Pesticides per EPA 8080, High Level Results In ug/kg (ppb)

Client: Foss Environmental Services Company  
 Project: ELF ATOCHEM  
 Received: 08/31/1994

NCA Number: 94-2475  
 Matrix: soil

Sample Name	Analyte	Result	MRL	Date Prepped	Date Analyzed
Sample 11-4ft-2  <i>AC - 11-2 PBB# 12/14/94</i>	Aldrin	ND	100	08/31/94	09/05/94
	Alpha-BHC	ND	100		
	Beta-BHC	ND	100		
	Chlordane	ND	1500		
	4,4'-DDD	ND	100		
	4,4'-DDE	ND	100		
	4,4'-DDT	1000	100		
	Delta-BHC	ND	100		
	Dieldrin	ND	100		
	Endosulfan I	ND	100		
	Endosulfan II	ND	100		
	Endosulfan Sulfate	ND	100		
	Endrin	ND	100		
	Endrin Aldehyde	ND	100		
	Gamma-BHC	ND	100		
	Heptachlor	ND	100		
	Heptachlor Epoxide	ND	100		
	Methoxychlor	ND	100		
Toxaphene	ND	1500			
Sample 13  <i>AC - PBB# 12/14/94</i>	Aldrin	ND	50	08/31/94	09/04/94
	Alpha-BHC	ND	50		
	Beta-BHC	ND	50		
	Chlordane	ND	750		
	4,4'-DDD	69	50		
	4,4'-DDE	ND	50		
	4,4'-DDT	620	50		
	Delta-BHC	ND	50		
	Dieldrin	ND	50		
	Endosulfan I	ND	50		
	Endosulfan II	ND	50		
	Endosulfan Sulfate	ND	50		
	Endrin	ND	50		
	Endrin Aldehyde	ND	50		
	Gamma-BHC	ND	50		
	Heptachlor	ND	50		
	Heptachlor Epoxide	ND	50		
	Methoxychlor	ND	50		
Toxaphene	ND	750			

MRL Method Reporting Level  
 ND None Detected at or above the method reporting level  
 \* See Comment Section at end of report

**Organochlorinated Pesticides per EPA 8080, High Level  
Results In ug/kg (ppb)**

Client: Foss Environmental Services Company  
Project: ELF ATOCHEM  
Received: 08/31/1994

NCA Number: 94-2475  
Matrix: soil

Sample Name	Analyte	Result	MRL	Date Prepped	Date Analyzed
Method Blank	Aldrin	ND	50		
	Alpha-BHC	ND	50		
	Beta-BHC	ND	50		
	Chlordane	ND	750		
	4,4'-DDD	ND	50		
	4,4'-DDE	ND	50		
	4,4'-DDT	ND	50		
	Delta-BHC	ND	50		
	Dieldrin	ND	50		
	Endosulfan I	ND	50		
	Endosulfan II	ND	50		
	Endosulfan Sulfate	ND	50		
	Endrin	ND	50		
	Endrin Aldehyde	ND	50		
	Gamma-BHC	ND	50		
	Heptachlor	ND	50		
Heptachlor Epoxide	ND	50			
Methoxychlor	ND	50			
Toxaphene	ND	750			

MRL  
ND  
\*

Method Reporting Level  
None Detected at or above the method reporting level  
See Comment Section at end of report

**SURROGATE RECOVERIES (%)**

 Client: Foss Environmental Services Company  
 Project: ELF ATOCHEM

 NCA Number: 94-2475  
 Received: 08/31/1994

Sample Name	Analyte	Result	Control Limits
<b>Organochlorinated Pesticides per EPA 8080, High Level</b>			
Sample 4-2	Decachlorobiphenyl	93	48-151
	2,4,5,6-Tetrachloro-m-xylene	95	64-126
Sample 5-2	Decachlorobiphenyl	— * <sup>2</sup>	48-151
	2,4,5,6-Tetrachloro-m-xylene	— * <sup>2</sup>	64-126
Sample 2-2	Decachlorobiphenyl	100	48-151
	2,4,5,6-Tetrachloro-m-xylene	99	64-126
Sample AC17-2	Decachlorobiphenyl	97	48-151
	2,4,5,6-Tetrachloro-m-xylene	97	64-126
Sample AC8-2	Decachlorobiphenyl	95	48-151
	2,4,5,6-Tetrachloro-m-xylene	89	64-126
Sample AC15-2	Decachlorobiphenyl	95	48-151
	2,4,5,6-Tetrachloro-m-xylene	97	64-126
Sample 11-2	Decachlorobiphenyl	91	48-151
	2,4,5,6-Tetrachloro-m-xylene	90	64-126
Sample 10-2	Decachlorobiphenyl	96	48-151
	2,4,5,6-Tetrachloro-m-xylene	97	64-126
Sample AC 4-2	Decachlorobiphenyl	96	48-151
	2,4,5,6-Tetrachloro-m-xylene	104	64-126
Sample 12-9ft-2	Decachlorobiphenyl	— * <sup>2</sup>	48-151
	2,4,5,6-Tetrachloro-m-xylene	— * <sup>2</sup>	64-126
Sample 11-4ft-2	Decachlorobiphenyl	92	48-151
	2,4,5,6-Tetrachloro-m-xylene	98	64-126
Sample 13	Decachlorobiphenyl	95	48-151
	2,4,5,6-Tetrachloro-m-xylene	91	64-126

 MRL  
 ND  
 \*

 Method Reporting Level  
 None Detected at or above the method reporting level  
 See Comment Section at end of report



CHEMPRO Division  
 5420 N. Lagoon Drive  
 Portland, OR 97217  
 (503) 283-1150 • FAX: (503) 289-6568

# Chain of Custody/ Laboratory Analysis Request

DATE 8-30-94 PAGE 2 OF 2

PROJECT EIF AtoChem # 37200  
 CLIENT INFO. CONTACT Todd Irwin  
 CHEMPRO DIVISION/GENERATOR NAME \_\_\_\_\_  
 TELEPHONE # 503-283-1150  
 SAMPLERS NAME Todd Irwin PHONE # 283-1157  
 SAMPLERS SIGNATURE Todd Irwin

ANALYSIS REQUESTED					OTHER (Specify)					
BASE/NEU/ACID ORGAN. GC/MS/625/8270	VOLATILE ORGANICS GC/MS/624/8240	PCBs 604/8080 <u>Organo Pesticides</u>	TPH (circle method) 418.1 or 8015	BETX (circle method) 8240 or 8020	F-LISTED SOLVENTS 8240	TCLP F-LISTED SOLVENTS 1311/8240	TCLP METALS D004-11	METALS (TOTAL) As, Ba, Cd, Cr, Cu, Pb, Ni, Hg, Ag, Se, Ti, Sb, Zn	TCLP ORGANICS (specify methods) • VOA's 8240 • BVA's 8270 • Pesticides 8080 • Herbicides 8150	DISCHARGE TESTING
		X								
		X								
		X								
		X								

NUMBER OF CONTAINERS \_\_\_\_\_  
 RECEIVED IN GOOD CONDITION? \_\_\_\_\_

SAMPLE I.D.	DATE	TIME	LAB I.D.	TYPE
<del>1. Sample 10-2</del>				
2. Sample AC 4-2	8-30-94	1710		Soil
3. Sample 12-9ft-2	8/31/94	940		
4. Sample 11-9ft-2	8/31/94	930		
5. Sample 13	8/31/94	945		
6.				
7.				
8.				

Relinquished By <u>Russ Akker</u> Signature <u>RUSS AKKER</u> Printed Name Firm Date/Time	Relinquished By <u>Bob Fahsholtz</u> Signature Printed Name Firm Date/Time	Relinquished By Signature Printed Name Firm Date/Time
Received By <u>Bob Fahsholtz</u> Signature <u>Bob Fahsholtz</u> Printed Name <u>NCA</u> Firm <u>8/31/94 @ 1055</u> Date/Time	Received By <u>Bob Fahsholtz</u> Signature Printed Name Firm Date/Time	Received By Signature Printed Name Firm Date/Time

SPECIAL INSTRUCTIONS/COMMENTS:  
3 day or better Turn Around  
 Po #

**Phase 3**

September 16, 1994

Foss Environmental Services Company  
5420 N. Lagoon Drive  
Portland, OR 97217

Attention: Larry Patterson

RE: JOB # 37200  
P.O.# P5253  
PROJECT - ELF ATOCHEM

Enclosed are test results for your samples received in this lab on Sep. 08, 1994. For your reference, these analyses have been assigned our NCA # 94-2570.

Solid samples are reported on a dry weight basis except for Oregon DEQ Fuels Methods and where otherwise noted.

Please call if you have any questions.

Respectfully,



Howard Holmes  
Project Manager

**Organochlorinated Pesticides per EPA 8080, High Level  
Results In ug/kg (ppb)**

Client: Foss Environmental Services Company  
 Project: ELF ATOCHEM  
 Received: 09/08/1994

NCA Number: 94-2570  
 Matrix: soil

Sample Name	Analyte	Result	MRL	Date Prepped	Date Analyzed
#5-3	Aldrin	ND	50	09/09/94	09/10/94
	Alpha-BHC	ND	50		
	Beta-BHC	ND	50		
	Chlordane	ND	750		
	4,4'-DDD	ND	50		
	4,4'-DDE	ND	50		
	4,4'-DDT	ND	50		
	Delta-BHC	ND	50		
	Dieldrin	ND	50		
	Endosulfan I	ND	50		
	Endosulfan II	ND	50		
	Endosulfan Sulfate	ND	50		
	Endrin	ND	50		
	Endrin Aldehyde	ND	50		
	Gamma-BHC	ND	50		
	Heptachlor	ND	50		
	Heptachlor Epoxide	ND	50		
Methoxychlor	ND	50			
Toxaphene	ND	750			
#12-3 <i>AC - PBA 12/14/94</i>	Aldrin	ND	250	09/09/94	09/10/94
	Alpha-BHC	ND	250		
	Beta-BHC	ND	250		
	Chlordane	ND	3800		
	4,4'-DDD	ND	250		
	4,4'-DDE	ND	250		
	4,4'-DDT	1800	250		
	Delta-BHC	ND	250		
	Dieldrin	ND	250		
	Endosulfan I	ND	250		
	Endosulfan II	ND	250		
	Endosulfan Sulfate	ND	250		
	Endrin	ND	250		
	Endrin Aldehyde	ND	250		
	Gamma-BHC	ND	250		
	Heptachlor	ND	250		
	Heptachlor Epoxide	ND	250		
Methoxychlor	ND	250			
Toxaphene	ND	3800			

MRL Method Reporting Level  
 ND None Detected at or above the method reporting level  
 \* See Comment Section at end of report

**Organochlorinated Pesticides per EPA 8080, High Level  
Results In ug/kg (ppb)**

Client: Foss Environmental Services Company  
 Project: ELF ATOCHEM  
 Received: 09/08/1994

NCA Number: 94-2570  
 Matrix: soil

Sample Name	Analyte	Result	MRL	Date Prepped	Date Analyzed
#13-3 PC PBA 09/10/94	Aldrin	ND	50	09/09/94	09/10/94
	Alpha-BHC	ND	50		
	Beta-BHC	ND	50		
	Chlordane	ND	750		
	4,4'-DDD	ND	50		
	4,4'-DDE	ND	50		
	4,4'-DDT	ND	50		
	Delta-BHC	ND	50		
	Dieldrin	ND	50		
	Endosulfan I	ND	50		
	Endosulfan II	ND	50		
	Endosulfan Sulfate	ND	50		
	Endrin	ND	50		
	Endrin Aldehyde	ND	50		
	Gamma-BHC	ND	50		
	Heptachlor	ND	50		
Heptachlor Epoxide	ND	50			
Methoxychlor	ND	50			
Toxaphene	ND	750			

MRL  
 ND  
 \*

Method Reporting Level  
 None Detected at or above the method reporting level  
 See Comment Section at end of report

**Organochlorinated Pesticides per EPA 8080, High Level  
Results In ug/kg (ppb)**

Client: Foss Environmental Services Company  
Project: ELF ATOCHEM  
Received: 09/08/1994

NCA Number: 94-2570  
Matrix: soil

Sample Name	Analyte	Result	MRL	Date Prepped	Date Analyzed
Method Blank	Aldrin	ND	50		
	Alpha-BHC	ND	50		
	Beta-BHC	ND	50		
	Chlordane	ND	750		
	4,4'-DDD	ND	50		
	4,4'-DDE	ND	50		
	4,4'-DDT	ND	50		
	Delta-BHC	ND	50		
	Dieldrin	ND	50		
	Endosulfan I	ND	50		
	Endosulfan II	ND	50		
	Endosulfan Sulfate	ND	50		
	Endrin	ND	50		
	Endrin Aldehyde	ND	50		
	Gamma-BHC	ND	50		
	Heptachlor	ND	50		
	Heptachlor Epoxide	ND	50		
Methoxychlor	ND	50			
Toxaphene	ND	750			

MRL  
ND  
\*

Method Reporting Level  
None Detected at or above the method reporting level  
See Comment Section at end of report

**SURROGATE RECOVERIES (%)**

Client: Foss Environmental Services Company  
 Project: ELF ATOCHEM

NCA Number: 94-2570  
 Received: 09/08/1994

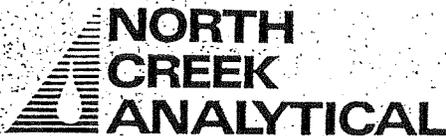
Sample Name	Analyte	Result	Control Limits
<b>Organochlorinated Pesticides per EPA 8080, High Level</b>			
#5-3	Decachlorobiphenyl	102	48-151
	2,4,5,6-Tetrachloro-m-xylene	98	64-126
#12-3	Decachlorobiphenyl	103	48-151
	2,4,5,6-Tetrachloro-m-xylene	94	64-126
#13-3	Decachlorobiphenyl	100	48-151
	2,4,5,6-Tetrachloro-m-xylene	96	64-126

MRL  
 ND  
 \*

Method Reporting Level  
 None Detected at or above the method reporting level  
 See Comment Section at end of report



**Appendix B**  
**Backfill Laboratory Data Sheets**



18939 120th Avenue N.E., Suite 101 • Bothell, WA 98011-9508 (206) 481-9200 • FAX 485-2992  
East 11115 Montgomery, Suite B • Spokane, WA 99206-4776 (509) 924-9200 • FAX 924-9290  
9405 S.W. Nimbus Avenue • Beaverton, OR 97008-7132 (503) 643-9200 • FAX 644-2202

August 31, 1994

Foss Environmental Services Company  
5420 N. Lagoon Drive  
Portland, OR 97217

Attention: Todd Irvin

RE: JOB # 37200  
P.O.# 37200  
PROJECT - ELF ATOCHEM

Enclosed are test results for your samples received in this lab on Aug. 16, 1994. For your reference, these analyses have been assigned our NCA # 94-2310.

Solid samples are reported on a dry weight basis except for Oregon DEQ Fuels Methods and where otherwise noted.

Please call if you have any questions.

Respectfully,

A handwritten signature in cursive script that reads "Howard Holmes".

Howard Holmes  
Project Manager

**TCLP per EPA 1311, 6010, 7000 series  
Results In mg/L (ppm)**
**Client:** Foss Environmental Services Company  
**Project:** ELF ATOCHEM  
**Received:** 08/16/1994

**NCA Number:** 94-2310  
**Matrix:** soil

Sample Name	Analyte	Result	MRL	Date Extracted	Date Prepped	Date Analyzed
BT-1a	Arsenic	ND	0.50	08/19/94	08/23/94	08/24/94
	Barium	0.56	0.50			
	Cadmium	ND	0.020			
	Chromium	ND	0.020			
	Lead	ND	0.20			
	Mercury	ND	0.0010			
	Selenium	ND	0.25			
	Silver	ND	0.020			
BT-2a	Arsenic	ND	0.50	08/19/94	08/23/94	08/24/94
	Barium	ND	0.50			
	Cadmium	ND	0.020			
	Chromium	ND	0.020			
	Lead	ND	0.20			
	Mercury	ND	0.0010			
	Selenium	ND	0.25			
	Silver	ND	0.020			
Method Blank	Arsenic	ND	0.50			
	Barium	ND	0.50			
	Cadmium	ND	0.020			
	Chromium	ND	0.020			
	Lead	ND	0.20			
	Mercury	ND	0.00050			
	Selenium	ND	0.25			
	Silver	ND	0.020			

 MRL  
 ND

 Method Reporting Level  
 None Detected at or above the method reporting level  
 See Comment Section at end of report

TPH-HCID per Oregon DEQ  
 Results In mg/kg (ppm)

Client: Foss Environmental Services Company  
 Project: ELF ATOCHEM  
 Received: 08/16/1994

NCA Number: 94-2310  
 Matrix: soil

Sample Name	Analyte	Result	MRL	Date Prepped	Date Analyzed
BT-1a	Diesel	ND	50	08/17/94	08/18/94
	Gasoline	ND	20		
	Heavy/Bunker	ND	-		
BT-2a	Diesel	ND	50	08/17/94	08/19/94
	Gasoline	ND	20		
	Heavy/Bunker	ND	-		
Method Blank	Diesel	ND	50		
	Gasoline	ND	20		
	Heavy/Bunker	ND	-		

MRL  
 ND  
 \*

Method Reporting Level  
 None Detected at or above the method reporting level  
 See Comment Section at end of report

**Volatile Organic Compounds per EPA 8240  
Results In ug/kg (ppb)**

Client: Foss Environmental Services Company  
 Project: ELF ATOCHEM  
 Received: 08/16/1994

NCA Number: 94-2310  
 Matrix: soil.

Sample Name	Analyte	Result	MRL
BT-1b	Acetone	ND	10
	Acrolein	ND	200
	Acrylonitrile	ND	10
	Benzene	ND	2.0
	Bromodichloromethane	ND	2.0
	Bromoform	ND	2.0
	Bromomethane	ND	10
	2-Butanone	ND	7.5
	Carbon Disulfide	ND	2.0
	Carbon Tetrachloride	ND	2.0
	Chlorobenzene	ND	2.0
	Chloroethane	ND	10
	Chloroform	ND	2.0
	Chloromethane	ND	10
	Dibromochloromethane	ND	2.0
	Dibromomethane	ND	2.0
	1,4-Dichloro-2-butene	ND	10
	1,2-Dichlorobenzene	ND	2.0
	1,3-Dichlorobenzene	ND	2.0
	1,4-Dichlorobenzene	ND	2.0
	Dichlorodifluoromethane	ND	5.0
	1,1-Dichloroethane	ND	2.0
	1,2-Dichloroethane	ND	2.0
	1,1-Dichloroethene	ND	2.0
	cis-1,2-Dichloroethene	ND	2.0
	trans1,2Dichloroethene	ND	2.0
	1,2-Dichloropropane	ND	2.0
	cis-1,3-Dichloropropene	ND	2.0
	trans1,3Dichloropropene	ND	2.0
	Ethyl Methacrylate	ND	2.0
	Ethylbenzene	ND	2.0
	2-Hexanone	ND	5.0
	Iodomethane	ND	2.0
	4-Methyl-2-pentanone	ND	5.0
	Methylene Chloride	ND	5.0
	Styrene	ND	2.0
	1,1,2,2-Tetrachloroethane	ND	2.0
	Tetrachloroethene	ND	2.0
	Toluene	ND	2.0
	1,1,1-Trichloroethane	ND	2.0
1,1,2-Trichloroethane	ND	2.0	
Trichloroethene	ND	2.0	

MRL  
 ND  
 \*

Method Reporting Level  
 None Detected at or above the method reporting level  
 See Comment Section at end of report

**Volatile Organic Compounds per EPA 8240  
Results In ug/kg (ppb)**

Client: Foss Environmental Services Company  
 Project: ELF ATOCHEM  
 Received: 08/16/1994

NCA Number: 94-2310  
 Matrix: soil.

Sample Name	Analyte	Result	MRL
BT-1b (continued)	Trichlorofluoromethane	ND	2.0
	1,2,3-Trichloropropane	ND	2.0
	Vinyl Acetate	ND	5.0
	Vinyl Chloride	ND	5.0
	Xylenes (total)	ND	2.0
	Date Prepped	08/18/94	
	Date Analyzed	08/18/94	

MRL  
 ND  
 \* Method Reporting Level  
 None Detected at or above the method reporting level  
 See Comment Section at end of report

**Volatile Organic Compounds per EPA 8240  
Results In ug/kg (ppb)**

Client: Foss Environmental Services Company  
Project: ELF ATOCHEM  
Received: 08/16/1994

NCA Number: 94-2310  
Matrix: soil

Sample Name	Analyte	Result	MRL
BT-2b	Acetone	ND	10
	Acrolein	ND	200
	Acrylonitrile	ND	10
	Benzene	ND	2.0
	Bromodichloromethane	ND	2.0
	Bromoform	ND	2.0
	Bromomethane	ND	10
	2-Butanone	ND	7.5
	Carbon Disulfide	ND	2.0
	Carbon Tetrachloride	ND	2.0
	Chlorobenzene	ND	2.0
	Chloroethane	ND	10
	Chloroform	ND	2.0
	Chloromethane	ND	10
	Dibromochloromethane	ND	2.0
	Dibromomethane	ND	2.0
	1,4-Dichloro-2-butene	ND	10
	1,2-Dichlorobenzene	ND	2.0
	1,3-Dichlorobenzene	ND	2.0
	1,4-Dichlorobenzene	5.1	2.0
	Dichlorodifluoromethane	ND	5.0
	1,1-Dichloroethane	ND	2.0
	1,2-Dichloroethane	ND	2.0
	1,1-Dichloroethene	ND	2.0
	cis-1,2-Dichloroethene	ND	2.0
	trans1,2Dichloroethene	ND	2.0
	1,2-Dichloropropane	ND	2.0
	cis-1,3-Dichloropropene	ND	2.0
	trans1,3Dichloropropene	ND	2.0
	Ethyl Methacrylate	ND	2.0
	Ethylbenzene	ND	2.0
	2-Hexanone	ND	5.0
	Iodomethane	ND	2.0
	4-Methyl-2-pentanone	ND	5.0
	Methylene Chloride	ND	5.0
	Styrene	ND	2.0
	1,1,2,2-Tetrachloroethane	ND	2.0
	Tetrachloroethene	ND	2.0
	Toluene	ND	2.0
	1,1,1-Trichloroethane	ND	2.0
1,1,2-Trichloroethane	ND	2.0	
Trichloroethene	ND	2.0	

MRL  
ND  
\* Method Reporting Level  
None Detected at or above the method reporting level  
See Comment Section at end of report

**Volatile Organic Compounds per EPA 8240  
Results In ug/kg (ppb)**

Client: Foss Environmental Services Company  
 Project: ELF ATOCHEM  
 Received: 08/16/1994

NCA Number: 94-2310  
 Matrix: soil

Sample Name	Analyte	Result	MRL
BT-2b (continued)	Trichlorofluoromethane	ND	2.0
	1,2,3-Trichloropropane	ND	2.0
	Vinyl Acetate	ND	5.0
	Vinyl Chloride	ND	5.0
	Xylenes (total)	ND	2.0
	Date Prepped	08/18/94	
	Date Analyzed	08/18/94	

MRL  
 ND  
 \*

Method Reporting Level  
 None Detected at or above the method reporting level  
 See Comment Section at end of report

**Volatile Organic Compounds per EPA 8240  
Results In ug/kg (ppb)**

Client: Foss Environmental Services Company  
Project: ELF ATOCHEM  
Received: 08/16/1994

NCA Number: 94-2310  
Matrix: soil

Sample Name	Analyte	Result	MRL
Method Blank	Acetone	ND	10
	Acrolein	ND	200
	Acrylonitrile	ND	10
	Benzene	ND	2.0
	Bromodichloromethane	ND	2.0
	Bromoform	ND	2.0
	Bromomethane	ND	10
	2-Butanone	ND	7.5
	Carbon Disulfide	ND	2.0
	Carbon Tetrachloride	ND	2.0
	Chlorobenzene	ND	2.0
	Chloroethane	ND	10
	Chloroform	ND	2.0
	Chloromethane	ND	10
	Dibromochloromethane	ND	2.0
	Dibromomethane	ND	2.0
	1,4-Dichloro-2-butene	ND	10
	1,2-Dichlorobenzene	ND	2.0
	1,3-Dichlorobenzene	ND	2.0
	1,4-Dichlorobenzene	ND	2.0
	Dichlorodifluoromethane	ND	5.0
	1,1-Dichloroethane	ND	2.0
	1,2-Dichloroethane	ND	2.0
	1,1-Dichloroethene	ND	2.0
	cis-1,2-Dichloroethene	ND	2.0
	trans-1,2-Dichloroethene	ND	2.0
	1,2-Dichloropropane	ND	2.0
	cis-1,3-Dichloropropene	ND	2.0
	trans-1,3-Dichloropropene	ND	2.0
	Ethyl Methacrylate	ND	2.0
	Ethylbenzene	ND	2.0
	2-Hexanone	ND	5.0
	Iodomethane	ND	2.0
	4-Methyl-2-pentanone	ND	5.0
	Methylene Chloride	ND	5.0
	Styrene	ND	2.0
	1,1,2,2-Tetrachloroethane	ND	2.0
	Tetrachloroethene	ND	2.0
	Toluene	ND	2.0
	1,1,1-Trichloroethane	ND	2.0
1,1,2-Trichloroethane	ND	2.0	
Trichloroethene	ND	2.0	

MRL Method Reporting Level  
ND None Detected at or above the method reporting level  
\* See Comment Section at end of report

**Volatile Organic Compounds per EPA 8240  
Results In ug/kg (ppb)**

Client: Foss Environmental Services Company  
Project: ELF ATOCHEM  
Received: 08/16/1994

NCA Number: 94-2310  
Matrix: soil

Sample Name	Analyte	Result	MRL
Method Blank (continued)	Trichlorofluoromethane	ND	2.0
	1,2,3-Trichloropropane	ND	2.0
	Vinyl Acetate	ND	5.0
	Vinyl Chloride	ND	5.0
	Xylenes (total)	ND	2.0

MRL  
ND  
\*

Method Reporting Level  
None Detected at or above the method reporting level  
See Comment Section at end of report

BNAs per EPA 8270  
 Results In mg/kg (ppm)

 Client: Foss Environmental Services Company  
 Project: ELF ATOCHEM  
 Received: 08/16/1994

 NCA Number: 94-2310  
 Matrix: soil

Sample Name	Analyte	Result	MRL
BT-1b	Acenaphthene	ND	0.50
	Acenaphthylene	ND	0.50
	Anthracene	ND	0.50
	Benzo(a)anthracene	ND	0.50
	Benzo(a)pyrene	ND	0.50
	Benzo(b)fluoranthene	ND	0.50
	Benzo(g,h,i)perylene	ND	0.50
	Benzo(k)fluoranthene	ND	0.50
	Benzoic Acid	ND	1.0
	Benzyl Alcohol	ND	0.50
	4-Bromophenyl Phenyl Ether	ND	0.50
	Butylbenzyl Phthalate	ND	0.50
	4-Chloro-3-methylphenol	ND	0.50
	4-Chloroaniline	ND	2.0
	bis(2-Chloroethoxy)methane	ND	0.50
	bis(2-Chloroethyl)ether	ND	0.50
	bis(2-Chloroisopropyl)ether	ND	0.50
	2-Chloronaphthalene	ND	0.50
	2-Chlorophenol	ND	0.50
	4-Chlorophenyl Phenyl Ether	ND	0.50
	Chrysene	ND	0.50
	Di-n-butylphthalate	ND	2.0
	Di-n-octylphthalate	ND	0.50
	Dibenzo(a,h)anthracene	ND	0.50
	Dibenzofuran	ND	0.50
	1,2-Dichlorobenzene	ND	1.0
	1,3-Dichlorobenzene	ND	1.0
	1,4-Dichlorobenzene	ND	1.0
	3,3'-Dichlorobenzidine	ND	1.0
	2,4-Dichlorophenol	ND	0.50
	Diethylphthalate	ND	0.50
	2,4-Dimethylphenol	ND	1.0
	Dimethylphthalate	ND	0.50
	4,6-Dinitro-2-methylphenol	ND	1.0
	2,4-Dinitrophenol	ND	2.0
	2,4-Dinitrotoluene	ND	0.50
	2,6-Dinitrotoluene	ND	0.50
	bis(2-Ethylhexyl)phthalate	ND	2.0
	Fluoranthene	ND	0.50
	Fluorene	ND	0.50
	Hexachlorobenzene	ND	0.50
	Hexachlorobutadiene	ND	1.0

 MRL  
 ND  
 \*

 Method Reporting Level  
 None Detected at or above the method reporting level  
 See Comment Section at end of report

**BNAs per EPA 8270  
Results In mg/kg (ppm)**

Client: Foss Environmental Services Company  
 Project: ELF ATOCHEM  
 Received: 08/16/1994

NCA Number: 94-2310  
 Matrix: soil

Sample Name	Analyte	Result	MRL
BT-1b (continued)	Hexachlorocyclopentadiene	ND	1.0
	Hexachloroethane	ND	1.0
	Indeno(1,2,3-cd)pyrene	ND	0.50
	Isophorone	ND	0.50
	2-Methylnaphthalene	ND	0.50
	2-Methylphenol	ND	0.50
	4-Methylphenol	ND	0.50
	Naphthalene	ND	0.50
	2-Nitroaniline	ND	0.50
	3-Nitroaniline	ND	1.0
	4-Nitroaniline	ND	0.50
	Nitrobenzene	ND	0.50
	2-Nitrophenol	ND	0.50
	4-Nitrophenol	ND	1.0
	N-Nitroso-di-n-propylamine	ND	0.50
	n-Nitrosodiphenylamine	ND	0.50
	Pentachlorophenol	ND	1.0
	Phenanthrene	ND	0.50
	Phenol	ND	0.50
	Pyrene	ND	0.50
	1,2,4-Trichlorobenzene	ND	0.50
	2,4,5-Trichlorophenol	ND	0.50
	2,4,6-Trichlorophenol	ND	0.50
Date Prepped		08/23/94	
Date Analyzed		08/26/94	

MRL  
 ND  
 \*

Method Reporting Level  
 None Detected at or above the method reporting level  
 See Comment Section at end of report

**BNAs per EPA 8270  
Results In mg/kg (ppm)**

Client: Foss Environmental Services Company  
Project: ELF ATOCHEM  
Received: 08/16/1994

NCA Number: 94-2310  
Matrix: soil

Sample Name	Analyte	Result	MRL
BT-2b	Acenaphthene	ND	0.50
	Acenaphthylene	ND	0.50
	Anthracene	ND	0.50
	Benzo(a)anthracene	ND	0.50
	Benzo(a)pyrene	ND	0.50
	Benzo(b)fluoranthene	ND	0.50
	Benzo(g,h,i)perylene	ND	0.50
	Benzo(k)fluoranthene	ND	0.50
	Benzoic Acid	ND	1.0
	Benzyl Alcohol	ND	0.50
	4-Bromophenyl Phenyl Ether	ND	0.50
	Butylbenzyl Phthalate	ND	0.50
	4-Chloro-3-methylphenol	ND	0.50
	4-Chloroaniline	ND	2.0
	bis(2-Chloroethoxy)methane	ND	0.50
	bis(2-Chloroethyl)ether	ND	0.50
	bis(2-Chloroisopropyl)ether	ND	0.50
	2-Chloronaphthalene	ND	0.50
	2-Chlorophenol	ND	0.50
	4-Chlorophenyl Phenyl Ether	ND	0.50
	Chrysene	ND	0.50
	Di-n-butylphthalate	ND	2.0
	Di-n-octylphthalate	ND	0.50
	Dibenzo(a,h)anthracene	ND	0.50
	Dibenzofuran	ND	0.50
	1,2-Dichlorobenzene	ND	1.0
	1,3-Dichlorobenzene	ND	1.0
	1,4-Dichlorobenzene	ND	1.0
	3,3'-Dichlorobenzidine	ND	1.0
	2,4-Dichlorophenol	ND	0.50
	Diethylphthalate	ND	0.50
	2,4-Dimethylphenol	ND	1.0
	Dimethylphthalate	ND	0.50
	4,6-Dinitro-2-methylphenol	ND	1.0
	2,4-Dinitrophenol	ND	2.0
	2,4-Dinitrotoluene	ND	0.50
	2,6-Dinitrotoluene	ND	0.50
	bis(2-Ethylhexyl)phthalate	ND	2.0
	Fluoranthene	ND	0.50
	Fluorene	ND	0.50
	Hexachlorobenzene	ND	0.50
	Hexachlorobutadiene	ND	1.0

MRL Method Reporting Level  
ND None Detected at or above the method reporting level  
\* See Comment Section at end of report

**BNAs per EPA 8270  
Results In mg/kg (ppm)**

Client: Foss Environmental Services Company  
Project: ELF ATOCHEM  
Received: 08/16/1994

NCA Number: 94-2310  
Matrix: soil

Sample Name	Analyte	Result	MRL	
BT-2b (continued)	Hexachlorocyclopentadiene	ND	1.0	
	Hexachloroethane	ND	1.0	
	Indeno(1,2,3-cd)pyrene	ND	0.50	
	Isophorone	ND	0.50	
	2-Methylnaphthalene	ND	0.50	
	2-Methylphenol	ND	0.50	
	4-Methylphenol	ND	0.50	
	Naphthalene	ND	0.50	
	2-Nitroaniline	ND	0.50	
	3-Nitroaniline	ND	1.0	
	4-Nitroaniline	ND	0.50	
	Nitrobenzene	ND	0.50	
	2-Nitrophenol	ND	0.50	
	4-Nitrophenol	ND	1.0	
	N-Nitroso-di-n-propylamine	ND	0.50	
	n-Nitrosodiphenylamine	ND	0.50	
	Pentachlorophenol	ND	1.0	
	Phenanthrene	ND	0.50	
	Phenol	ND	0.50	
	Pyrene	ND	0.50	
	1,2,4-Trichlorobenzene	ND	0.50	
	2,4,5-Trichlorophenol	ND	0.50	
	2,4,6-Trichlorophenol	ND	0.50	
		Date Prepped	08/23/94	
		Date Analyzed	08/26/94	

MRL  
ND  
\*

Method Reporting Level  
None Detected at or above the method reporting level  
See Comment Section at end of report

**BNAs per EPA 8270  
Results In mg/kg (ppm)**

Client: Foss Environmental Services Company  
 Project: ELF ATOCHEM  
 Received: 08/16/1994

NCA Number: 94-2310  
 Matrix: soil

Sample Name	Analyte	Result	MRL
Method Blank	Acenaphthene	ND	0.50
	Acenaphthylene	ND	0.50
	Anthracene	ND	0.50
	Benzo(a)anthracene	ND	0.50
	Benzo(a)pyrene	ND	0.50
	Benzo(b)fluoranthene	ND	0.50
	Benzo(g,h,i)perylene	ND	0.50
	Benzo(k)fluoranthene	ND	0.50
	Benzoic Acid	ND	1.0
	Benzyl Alcohol	ND	0.50
	4-Bromophenyl Phenyl Ether	ND	0.50
	Butylbenzyl Phthalate	ND	0.50
	4-Chloro-3-methylphenol	ND	0.50
	4-Chloroaniline	ND	2.0
	bis(2-Chloroethoxy)methane	ND	0.50
	bis(2-Chloroethyl)ether	ND	0.50
	bis(2-Chloroisopropyl)ether	ND	0.50
	2-Chloronaphthalene	ND	0.50
	2-Chlorophenol	ND	0.50
	4-Chlorophenyl Phenyl Ether	ND	0.50
	Chrysene	ND	0.50
	Di-n-butylphthalate	ND	2.0
	Di-n-octylphthalate	ND	0.50
	Dibenzo(a,h)anthracene	ND	0.50
	Dibenzofuran	ND	0.50
	1,2-Dichlorobenzene	ND	1.0
	1,3-Dichlorobenzene	ND	1.0
	1,4-Dichlorobenzene	ND	1.0
	3,3'-Dichlorobenzidine	ND	1.0
	2,4-Dichlorophenol	ND	0.50
	Diethylphthalate	ND	0.50
	2,4-Dimethylphenol	ND	1.0
	Dimethylphthalate	ND	0.50
	4,6-Dinitro-2-methylphenol	ND	1.0
	2,4-Dinitrophenol	ND	2.0
	2,4-Dinitrotoluene	ND	0.50
	2,6-Dinitrotoluene	ND	0.50
	bis(2-Ethylhexyl)phthalate	ND	2.0
	Fluoranthene	ND	0.50
	Fluorene	ND	0.50
	Hexachlorobenzene	ND	0.50
	Hexachlorobutadiene	ND	1.0

MRL Method Reporting Level  
 ND None Detected at or above the method reporting level  
 \* See Comment Section at end of report

**BNAs per EPA 8270  
Results In mg/kg (ppm)**

Client: Foss Environmental Services Company  
 Project: ELF ATOCHEM  
 Received: 08/16/1994

NCA Number: 94-2310  
 Matrix: soil

Sample Name	Analyte	Result	MRL
Method Blank (continued)	Hexachlorocyclopentadiene	ND	1.0
	Hexachloroethane	ND	1.0
	Indeno(1,2,3-cd)pyrene	ND	0.50
	Isophorone	ND	0.50
	2-Methylnaphthalene	ND	0.50
	2-Methylphenol	ND	0.50
	4-Methylphenol	ND	0.50
	Naphthalene	ND	0.50
	2-Nitroaniline	ND	0.50
	3-Nitroaniline	ND	1.0
	4-Nitroaniline	ND	0.50
	Nitrobenzene	ND	0.50
	2-Nitrophenol	ND	0.50
	4-Nitrophenol	ND	1.0
	N-Nitroso-di-n-propylamine	ND	0.50
	n-Nitrosodiphenylamine	ND	0.50
	Pentachlorophenol	ND	1.0
	Phenanthrene	ND	0.50
	Phenol	ND	0.50
	Pyrene	ND	0.50
	1,2,4-Trichlorobenzene	ND	0.50
	2,4,5-Trichlorophenol	ND	0.50
	2,4,6-Trichlorophenol	ND	0.50

MRL  
 ND  
 \*

Method Reporting Level  
 None Detected at or above the method reporting level  
 See Comment Section at end of report

**PCB's per EPA 8080  
Results In mg/kg (ppm)**

**Client:** Foss Environmental Services Company  
**Project:** ELF ATOCHEM  
**Received:** 08/16/1994

**NCA Number:** 94-2310  
**Matrix:** soil

Sample Name	Analyte	Result	MRL	Date Prepped	Date Analyzed
BT-1a	PCB 1016	ND	0.050	08/23/94	08/24/94
	PCB 1221	ND	0.10		
	PCB 1232	ND	0.050		
	PCB 1242	ND	0.050		
	PCB 1248	ND	0.050		
	PCB 1254	ND	0.050		
	PCB 1260	ND	0.050		
BT-2a	PCB 1016	ND	0.050	08/23/94	08/24/94
	PCB 1221	ND	0.10		
	PCB 1232	ND	0.050		
	PCB 1242	ND	0.050		
	PCB 1248	ND	0.050		
	PCB 1254	ND	0.050		
	PCB 1260	ND	0.050		
Method Blank	PCB 1016	ND	0.050		
	PCB 1221	ND	0.10		
	PCB 1232	ND	0.050		
	PCB 1242	ND	0.050		
	PCB 1248	ND	0.050		
	PCB 1254	ND	0.050		
	PCB 1260	ND	0.050		

MRL  
 ND  
 \*

Method Reporting Level  
 None Detected at or above the method reporting level  
 See Comment Section at end of report

**SURROGATE RECOVERIES (%)**

 Client: Foss Environmental Services Company  
 Project: ELF ATOCHEM

 NCA Number: 94-2310  
 Received: 08/16/1994

Sample Name	Analyte	Result	Control Limits
<b>TPH-HCID per Oregon DEQ</b>			
BT-1a	1-Chlorooctadecane	100	50-150
BT-2a	1-Chlorooctadecane	75	50-150
<b>Volatile Organic Compounds per EPA 8240</b>			
BT-1b	4-Bromofluorobenzene	106	74-121
	1,2-Dichloroethane-d4	116	70-121
	Toluene-d8	102	81-117
BT-2b	4-Bromofluorobenzene	104	74-121
	1,2-Dichloroethane-d4	119	70-121
	Toluene-d8	102	81-117
<b>BNAs per EPA 8270</b>			
BT-1b	2-Fluorobiphenyl	88	30-115
	2-Fluorophenol	89	25-121
	Nitrobenzene-d5	89	23-120
	Phenol-d6	92	24-113
	p-Terphenyl-d14	79	18-137
	2,4,6-Tribromophenol	82	19-122
BT-2b	2-Fluorobiphenyl	90	30-115
	2-Fluorophenol	91	25-121
	Nitrobenzene-d5	89	23-120
	Phenol-d6	86	24-113
	p-Terphenyl-d14	88	18-137
	2,4,6-Tribromophenol	88	19-122

 MRL  
 ND  
 \*

 Method Reporting Level  
 None Detected at or above the method reporting level  
 See Comment Section at end of report

**SURROGATE RECOVERIES (%)**

 Client: Foss Environmental Services Company  
 Project: ELF ATOCHEM

 NCA Number: 94-2310  
 Received: 08/16/1994

Sample Name	Analyte	Result	Control Limits
<b>PCB's per EPA 8080</b>			
BT-1a	Decachlorobiphenyl	90	74-127
	2,4,5,6-Tetrachloro-m-xylene	72 *1	73-125
BT-2a	Decachlorobiphenyl	84	74-127
	2,4,5,6-Tetrachloro-m-xylene	86	73-125

 MRL Method Reporting Level  
 ND None Detected at or above the method reporting level  
 \* See Comment Section at end of report

COMMENTS

**Client:** Foss Environmental Services Company  
**Project:** ELF ATOCHEM

**NCA Number:** 94-2310  
**Received:** 08/16/1994

- 
1. Surrogate recovery is out of control limits.



ENVIRONMENTAL INC.

Division

5420 N. Lagoon Drive  
Portland, OR 97217

(503) 283-1150 • FAX: (503) 289-6568

# Chain of Custody/ Laboratory Analysis Request

94-2310

DATE 8/15/94 PAGE 1 OF 1

PROJECT <b>ELF Atochem # 37200</b>		ANALYSIS REQUESTED				OTHER (Specify)		NUMBER OF CONTAINERS	RECEIVED IN GOOD CONDITION?						
CLIENT INFO. CONTACT <b>Larry Patterson</b>		BASE/NEU/ACID ORGAN. GC/MS/625/8270	VOLATILE ORGANICS GC/MS/624/8240	PCB's 608/8080	TPH (circle method) <b>448+0005 HCLD, 08</b>	BETX (circle method) 8240 or 8020	F-LISTED SOLVENTS 8240			TCLP F-LISTED SOLVENTS 1311/8240	TCLP METALS D004-11 <b>8-RCRA</b>	METALS (TOTAL) As, Ba, Cd, Cr, Cu, Pb, Ni, Hg, Ag, Se, Ti, Sb, Zn	TCLP ORGANICS (specify methods) • VOA's 8240 • BNA's 8270 • Pesticides 8080 • Herbicides 8150	DISCHARGE TESTING	<b>Semi Volatiles</b>
DIVISION/GENERATOR NAME															
TELEPHONE # <b>225-7210</b>															
SAMPLERS NAME <b>Todd Irwin</b> PHONE # <b>283-1151</b>															
SAMPLERS SIGNATURE <b>Todd Irwin</b>															

SAMPLE I.D.	DATE	TIME	LAB I.D.	TYPE	BASE/NEU/ACID ORGAN. GC/MS/625/8270	VOLATILE ORGANICS GC/MS/624/8240	PCB's 608/8080	TPH (circle method) 448+0005 HCLD, 08	BETX (circle method) 8240 or 8020	F-LISTED SOLVENTS 8240	TCLP F-LISTED SOLVENTS 1311/8240	TCLP METALS D004-11 8-RCRA	METALS (TOTAL) As, Ba, Cd, Cr, Cu, Pb, Ni, Hg, Ag, Se, Ti, Sb, Zn	TCLP ORGANICS (specify methods) • VOA's 8240 • BNA's 8270 • Pesticides 8080 • Herbicides 8150	DISCHARGE TESTING	OTHER (Specify)	NUMBER OF CONTAINERS	RECEIVED IN GOOD CONDITION?
1. BT-1a	8/15/94	6:00		Soil			X	X				X					1	
2. BT-1b	8/15/94	10:5		Soil		X										X	1	
3. BT-2a	8/15/94	6:10		Rock Fines			X	X				X					1	
4. BT-2b	8/15/94	1:15		Rock Fines		X										X	1	
5.																		
6.																		
7.																		
8.																		

Relinquished By <b>Todd Irwin</b> Signature <b>Todd Irwin</b> Printed Name Firm <b>Foss Environ.</b> Date/Time <b>8/15/94</b>	Relinquished By <b>Bob Fahstorf</b> Signature <b>Bob Fahstorf</b> Printed Name <b>NCA</b> Firm <b>8/16/94 @ 1130</b> Date/Time	Relinquished By <b>Terence Albertson</b> Signature <b>Terence Albertson</b> Printed Name <b>NCA</b> Firm <b>8/16/94 12:30</b> Date/Time
---	--	---

SPECIAL INSTRUCTIONS/COMMENTS:

PO # 37200

**Appendix C**  
**Chemical Waste Management Waste Profile**

## WASTE PROFILE

Profile #

( ) Check here if this is a Recertification LOCATION OF ORIGINAL CWM OF THE NORTHWEST-ARLINGTON

## GENERAL INFORMATION

1. Generator Name: ELF ATOCHEM NORTH AMERICA INC Generator USEPA ID: ORD009031840

2. Generator Address: 6400 NW FRONT AVE Billing Address: \_\_\_\_\_  
PO BOX 4102 (X) Same \_\_\_\_\_

PORTLAND OR 97208

3. Technical Contact/Phone: LARRY PATTERSON 503/225-7210

4. Alternate Contact/Phone: GENE SPINA 503/225-7262 Billing Contact/Phone: LARRY LATTERSON 503/225-7210

## PROPERTIES AND COMPOSITION

5. Process Generating Waste: SITE REMEDIATION

6. Waste Name: DDT CONTAMINATED SOIL

7A. Is this a USEPA hazardous waste (40 CFR Part 261)? Yes ( ) No (X)  
 B. Identify ALL USEPA listed and characteristic waste code numbers (D,F,K,P,U): \_\_\_\_\_  
 State Waste Codes: X001

8. Physical State @ 70F: A. Solid (X) Liquid ( ) Both ( ) Gas ( ) B. Single Layer (X) Multilayer ( ) C. Free liq. range 0 to 0%

9A. pH: Range \_\_\_\_\_ or Not applicable (X) B. Strong Odor (X); describe MILD ORGANIC

10. Liquid Flash Point: < 73F ( ) 73-99F ( ) 100-139F ( ) 140-199F ( ) >= 200F ( ) N.A. (X) Closed Cup (X) Open Cup ( )

11. CHEMICAL COMPOSITION: List ALL constituents (incl. halogenated organics) present in any concentration and forward analysis

Constituents	Range	Unit Description
<u>SOIL</u>	<u>50 to 95</u>	<u>%</u>
<u>GRAVEL</u>	<u>10 to 20</u>	<u>%</u>
<u>BLACKTOP</u>	<u>10 to 30</u>	<u>%</u>
<u>DDT</u>	<u>0 to 5</u>	<u>%</u>
<u>FPT</u>	<u>to</u>	<u></u>
	<u>to</u>	<u></u>
<u>TOTAL COMPOSITION (MUST EQUAL OR EXCEED 100%):</u>		

12. OTHER: PCBs if yes, concentration \_\_\_\_\_ ppm, PCBs regulated by 40 CFR 761 ( ). Pyrophoric ( ) Explosive ( )  
 Radioactive ( ) Benzene if yes, concentration \_\_\_\_\_ ppm. NESHAP ( ) Shock Sensitive ( ) Oxidizer ( )  
 Carcinogen ( ) Infectious ( ) Other \_\_\_\_\_

13. If waste subject to the land ban & meets treatment standards, check here: \_ & supply analytical results where applicable.

## SHIPPING INFORMATION

14. PACKAGING: Bulk Solid (X) Bulk Liquid ( ) Drum ( ) Type/Size: TONS Other \_\_\_\_\_

15. ANTICIPATED ANNUAL VOLUME: 1500 Units: TONS Shipping Frequency: ONE TIME

## SAMPLING INFORMATION

16a. Sample source (drum, lagoon, pond, tank, vat, etc.): \_\_\_\_\_ Sample Tracking Number: 0205078

Date Sampled: \_\_\_\_\_ Sampler's Name/Company: \_\_\_\_\_

16b. Generator's Agent Supervising Sampling: \_\_\_\_\_ 17. (X) No sample required (See instructions.)

## GENERATOR'S CERTIFICATION

I hereby certify that all information submitted in this and all attached documents contains true and accurate descriptions of this waste. Any sample submitted is representative as defined in 40 CFR 261 - Appendix I or by using an equivalent method. All relevant information regarding known or suspected hazards in the possession of the generator has been disclosed. I authorize CWM to obtain a sample from any waste shipment for purposes of recertification.

Signature on original profile BB8834  
 Signature

LARRY D. PATTERSON

ENVIRONMENTAL MANAGER  
 Name and Title

Date

18. This is a Nonwastewater.
19. If this waste is subject to any California list restrictions enter the letter from below (either A, B.1 or B.2) next to each restriction that is applicable:  
 \_\_\_ HOCs, \_\_\_ PCBs, \_\_\_ Acid, \_\_\_ Metals, \_\_\_ Cyanides
20. Identify ALL Characteristic and Listed USEPA hazardous waste numbers that apply (as defined by 40 CFR 261). For each waste number, identify the subcategory (as applicable, check none, or write in the description from 40 CFR 268.41, 268.42, and 268.43).

REF #	A. US EPA HAZARDOUS WASTE CODE(S)	B. SUBCATEGORY Enter the subcategory description. If not applicable, simply check none		C. APPLICABLE TREATMENT STANDARDS			D. HOW MUST THE WASTE BE MANAGED? Enter letter from below
				PERFORMANCE-BASED: Check as applicable	268.41(a)	268.43(a)	
		DESCRIPTION	NONE				
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							

Management under the land disposal restrictions:

- A. RESTRICTED WASTE REQUIRES TREATMENT
  - B.1 RESTRICTED WASTE TREATED TO PERFORMANCE STANDARDS
  - B.2 RESTRICTED WASTES FOR WHICH THE TREATMENT STANDARD IS EXPRESSED AS A SPECIFIED TECHNOLOGY (AND THE WASTE HAS BEEN TREATED BY THAT TECHNOLOGY)
  - B.3 GOOD FAITH ANALYTICAL CERTIFICATION FOR INCINERATED ORGANICS
- C. RESTRICTED WASTE SUBJECT TO A VARIANCE
- D. RESTRICTED WASTE CAN BE LAND DISPOSED WITHOUT FURTHER TREATMENT
- E. NOT CURRENTLY SUBJECT TO LAND DISPOSAL RESTRICTIONS

21. Is this waste a soil and/or debris? No: \_\_\_ Yes, Soil:  Yes, Debris: \_\_\_ Yes, Both: \_\_\_

22. Specific Gravity Range: \_\_\_ to \_\_\_

23. Indicate the range of each: \_\_\_\_\_ Units

Cyanides: \_\_\_ None \_\_\_ to \_\_\_ Type (free, total, amenable, etc.) \_\_\_\_\_

Cyanides: \_\_\_ None \_\_\_ to \_\_\_ Type (free, total, amenable, etc.) \_\_\_\_\_

Sulfides: \_\_\_ None \_\_\_ to \_\_\_ Type \_\_\_\_\_

Optional Phenolics: \_\_\_ None \_\_\_ to \_\_\_\_\_

24. Identify the waste color VARIES \_\_\_\_\_, DOT physical state Solid \_\_\_\_\_, and physical appearance SOLID \_\_\_\_\_



31. OTHER HAZARDOUS CONSTITUENTS Indicate if the waste contains any of the following.

Profile #

METALS	TCLP Information: Check only ONE for each constituent Use units: ppm, mg/l				TCLP Data  TCLP Actual	TCA or TOTAL Use units: ppm, mg/l, mg/kg or percent		
	Less Than	TC Regulated Level	Equal or More	Waste No.		California List		
						Less Than	Regulated Level	Equal or More
Arsenic as As	X	5.0 mg/l		D004		500 mg/l		
Barium as Ba	X	100.0 mg/l		D005				
Cadmium as Cd	X	1.0 mg/l		D006		100 mg/l		
Chromium tot Cr	X	5.0 mg/l		D007				
Lead as Pb	X	5.0 mg/l		D008		500 mg/l		
Mercury as Hg	X	.2 mg/l		D009		20 mg/l		
Selenium as Se	X	1.0 mg/l		D010		100 mg/l		
Silver as Ag	X	5.0 mg/l		D011				
Nickel as Ni						134 mg/l		
Thallium as Tl						130 mg/l		
Chromium Hex						500 mg/l		
Antimony								
Beryllium								
Copper								
Vanadium								
Zinc								

32. OTHER HAZARDOUS CONSTITUENTS Indicate if the waste contains any of the following.

ORGANICS	TCLP Information: Check only ONE for each constituent				TCLP Data	TCA or TOTAL Use units: ppm, mg/l or %
	Less Than	Regulated Level	Equal or More	Waste No.	TCLP Analytical Test Results Use units: ppm or mg/l	
Benzene	X	0.5 mg/l		D018		
Carbon Tetrachloride	X	0.5 mg/l		D019		
Chlordane	X	0.03 mg/l		D020		
Chlorobenzene	X	100.0 mg/l		D021		
Chloroform	X	6.0 mg/l		D022		
m-Cresol	X	200 mg/l		D024		
o-Cresol	X	200.0 mg/l		D023		
p-Cresol	X	200.0 mg/l		D025		
Cresol	X	200.0 mg/l		D026		
2,4-D	X	10.0 mg/l		D016		
1,4 Dichlorobenzene	X	7.5 mg/l		D027		
1,2-Dichloroethylene	X	0.5 mg/l		D028		
1,1-Dichloroethylene	X	0.7 mg/l		D029		
2,4-Dinitrotoluene	X	0.13 mg/l		D030		
Endrin	X	.02 mg/l		D012		
Heptachlor, & Hydroxide	X	0.008 mg/l		D031		
Hexachloro-1,3 Butadiene	X	0.5 mg/l		D033		
Hexachlorobenzene	X	0.13 mg/l		D032		
Hexachloroethane	X	3.0 mg/l		D034		
Lindane	X	0.4 mg/l		D013		
Methoxychlor	X	10.0 mg/l		D014		
Methyl Ethyl Ketone	X	200.0 mg/l		D035		
Nitrobenzene	X	2.0 mg/l		D036		
Pentachlorophenol	X	100.0 mg/l		D037		
Pyridine	X	5.0 mg/l		D038		
Tetrachloroethylene	X	0.7 mg/l		D039		
Toxaphene	X	0.5 mg/l		D015		
2,4,5-TP Silvex	X	1.0 mg/l		D017		
Trichloroethylene	X	0.5 mg/l		D040		
2,4,5-Trichlorophenol	X	400.0 mg/l		D041		
2,4,6-Trichlorophenol	X	2.0 mg/l		D042		
Vinyl Chloride	X	0.2 mg/l		D043		

**Appendix D**  
**Waste Manifests**

### 3 . 4. ELF Atochem Manifest Log

<u>Date</u>	<u>Manifest Number</u>	<u>Tons</u>	<u>Truck Number</u>
8/17/94	94003	23.42	218
8/17/94	94004	21.47	220
8/17/94	94005	21.49	1019
8/17/94	94006	31.52	1808-1
8/17/94	94007	31.44	1846
8/17/94	94008	31.58	1858-2
8/18/94	94009	22.18	1010
8/18/94	94010	23.50	220
8/18/94	94011	31.65	1808-1
8/18/94	94012	30.21	1858-2
8/18/94	94013	32.52	1846
8/18/94	94014	31.20	280
8/18/94	94015	29.73	234
8/18/94	94016	23.07	1011
8/18/94	94017	30.58	284
8/19/94	94018	29.92	1858-2
8/19/94	94019	32.06	1808-1
8/19/94	94020	22.93	220
8/19/94	94021	32.56	1846
8/19/94	94022	22.69	1010
8/19/94	94023	30.31	1846

<u>Date</u>	<u>Manifest Number</u>	<u>Tons</u>	<u>Truck Number</u>
8/19/94	94024	31.21	1808-1
8/22/94	94025	32.29	1858-2
8/22/94	94026	31.99	1846
8/22/94	94027	20.19	220
8/22/94	94028	31.31	1808-1
8/22/94	94029	22.75	1010
8/22/94	94030	33.30	238
8/22/94	94031	22.01	1011
8/22/94	94032	32.99	290
8/22/94	94033	31.84	280
8/23/94	94034	31.28	1888-2
8/23/94	94035	31.28	1808-1
8/23/94	94036	32.06	1846
8/23/94	94037	22.16	131010
8/23/94	94038	23.37	1016
8/23/94	94039	23.14	220
8/23/94	94040	22.29	208
8/23/94	94041	31.63	1808-1
8/24/94	94042	32.05	1858-2
8/24/94	94043	31.47	1846
8/24/94	94044	21.34	1016
8/24/94	94045	31.37	1808-1
8/24/94	94046	22.68	220
8/24/94	94047	18.83	218
8/29/94	94048	31.49	1808-1
8/30/94	94049	22.85	220

<u>Date</u>	<u>Manifest Number</u>	<u>Tons</u>	<u>Truck Number</u>
8/30/94	94050	18.60	307971
8/30/94	94051	31.43	1846
8/30/94	94052	31.62	1808-1
8/30/94	94053	27.93	1821
8/30/94	94054	32.43	1846
8/31/94	94055	31.41	1808-1
8/31/94	94056	32.29	1846
8/31/94	94057	31.57	1808-1
8/31/94	94058	26.46	19-230
9/01/94	94059	31.71	234
9/01/94	94060	31.59	19280
9/01/94	94061	22.25	27204
9/01/94	94062	26.98	1846
9/01/94	94063	31.28	1846
9/01/94	94064	<u>27.46</u>	220

**TOTAL 1,737.21 TONS**

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

Form Approved. OMB No. 2050-0039. Expires 9-30-94

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. 0121010191013113141017101313		Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.			
3. Generator's Name and Mailing Address Elf Atochem North America, Inc. P.O. Box 4109 Portland, OR 97208					A. State Manifest Document Number				
4. Generator's Phone (503) 225-7210					B. State Generator's ID				
5. Transporter 1 Company Name Foss Environmental Svcs.			6. US EPA ID Number ORD070730395		C. State Transporter's ID				
7. Transporter 2 Company Name					D. Transporter's Phone (503) 283-1150				
8. US EPA ID Number					E. State Transporter's ID				
9. Designated Facility Name and Site Address CHEMICAL WASTE MANAGEMENT OF THE NORTHWEST, INC. 17629 CEDAR SPRINGS LANE ARLINGTON, OR 97812-9709					G. State Facility's ID				
10. US EPA ID Number ORD089452353					H. Facility's Phone (503) 454-2643				
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)					12. Containers No.	13. Total Quantity	14. Unit Wt/Vol	EPA / Waste No.	
a. Non Regulated per 49 CFR					001	DT	00024	T	X001
b.									
c.									
d.									
J. Additional Descriptions for Materials Listed Above a. BB8634. b. c. d.					K. Handling Codes for Wastes Listed Above CAMP 2.0a				
15. Special Handling Instructions and Additional Information Chemrec: (800)424-9300; CWA 24-hour Emergency Info.#: (800)765-8713.									
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.  If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.									
Printed/Typed Name LARRA PATTERSON				Signature <i>Larra Patterson</i>		Month Day Year 08 17 94			
17. Transporter 1 Acknowledgement of Receipt of Materials									
Printed/Typed Name <i>[Signature]</i>				Signature <i>[Signature]</i>		Month Day Year 08 17 94			
18. Transporter 2 Acknowledgement of Receipt of Materials									
Printed/Typed Name				Signature		Month Day Year			
19. Discrepancy Indication Space									
20. Facility Owner or Operator. Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.									
Printed/Typed Name				Signature		Month Day Year			

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

Form Approved. OMB No. 2050-0039. Expires 9-30-94

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. OR D 0 0 9 0 3 1 8 4 0 7 4 0 4		Manifest Document No. 7 4 0 4		2. Page 1 of 4		Information in the shaded areas is not required by Federal law.											
3. Generator's Name and Mailing Address Elf Atochem North America, Inc. P.O. Box 4109 Portland, OR 97208						A. State Manifest Document Number													
4. Generator's Phone (503) 225-7210						B. State Generator's ID													
5. Transporter 1 Company Name Foss Environmental Svcs.			6. US EPA ID Number OR D 0 7 0 7 3 0 3 9 5			C. State Transporter's ID													
7. Transporter 2 Company Name						D. Transporter's Phone (503) 283-1150													
9. Designated Facility Name and Site Address CHEMICAL WASTE MANAGEMENT OF THE NORTHWEST, INC. 17629 CEDAR SPRINGS LANE ARLINGTON, OR 97812-9709						10. US EPA ID Number OR D 0 8 9 4 5 2 3 5 3													
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) a. Non Regulated per 49 CFR						12. Containers No. Type		13. Total Quantity		14. Unit Wt/Vol		EPA/ I. Waste No.							
						0 0 1 D T		0 0 0 2 2 T				X 0 0 1							
J. Additional Descriptions for Materials Listed Above a. BB8834 b. c. d.						K. Handling Codes for Wastes Listed Above CAMPS 2.0a													
15. Special Handling Instructions and Additional Information a. Chemtec: (800)424-9300; CWM 24-Hour Emergency Info.#: (800)765-8713. c. d.																			
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.  If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.																			
Printed/Typed Name LARRY PATTERSON					Signature <i>Larry Patterson</i>					Month Day Year 0 8 / 1 7 / 9 4									
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name STAN IRISH					Signature <i>Stan Irish</i>					Month Day Year 0 8 / 1 7 / 9 4									
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name					Signature					Month Day Year									
19. Discrepancy Indication Space																			
20. Facility Owner or Operator. Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. Printed/Typed Name										Signature					Month Day Year				

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

Form Approved. OMB No. 2050-0039. Expires 9-30-94

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. ORD009031840974095		Manifest Document No. 1		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.					
3. Generator's Name and Mailing Address Elf Atochem North America, Inc. P.O. Box 4109 Portland, OR 97208 Generator's Phone (503) 225-7210						A. State Manifest Document Number							
4. Generator's Phone (503) 225-7210						B. State Generator's ID							
5. Transporter 1 Company Name Chemical Waste Management, Inc. IL D099202681						C. State Transporter's ID							
6. US EPA ID Number						D. Transporter's Phone 503-454-2643							
7. Transporter 2 Company Name						E. State Transporter's ID							
8. US EPA ID Number						F. Transporter's Phone							
9. Designated Facility Name and Site Address CHEMICAL WASTE MANAGEMENT OF THE NORTHWEST, INC. 17629 CEDAR SPRINGS LANE ARLINGTON, OR 97812-9709						G. State Facility's ID							
10. US EPA ID Number ORD089452353						H. Facility's Phone (503) 454-2643							
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity		14. Unit Wt/Vol		EPA/I. Waste No.	
a. Non Regulated per 49 CFR						No. Type		Quantity		Wt/Vol		Waste No.	
						0 0 1 D T		543				X 0 0 1	
b.													
c.													
d.													
J. Additional Descriptions for Materials Listed Above a. BB8834 b. c. d.						K. Handling Codes for Wastes Listed Above CAMPS 2.0a							
15. Special Handling Instructions and Additional Information Genetrec: (800) 424-9300; CWA 24-hour Emergency Info. #: (800) 765-8713.													
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.  If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.													
Printed/Typed Name LARRY T. TIERSON						Signature <i>Larry T. Tierson</i>						Month Day Year 08 17 94	
17. Transporter 1 Acknowledgement of Receipt of Materials						Signature <i>L. S. Huhman</i>						Month Day Year 08 17 94	
18. Transporter 2 Acknowledgement of Receipt of Materials						Signature						Month Day Year	
19. Discrepancy Indication Space													
20. Facility Owner or Operator. Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.													
Printed/Typed Name						Signature						Month Day Year	

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

Form Approved. OMB No. 2050-0039. Expires 9-30-94

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. OR 10 10 9 10 13 11 8 14 10 19 17 10 17 10		Manifest Document No. 17 10 17 10	2. Page 1 of	Information in the shaded areas is not required by Federal law.			
3. Generator's Name and Mailing Address Elf Atochem North America, Inc. P.O. Box 4109 Portland, OR 97208 4. Generator's Phone (503) 225-7210					A. State Manifest Document Number				
5. Transporter 1 Company Name Jack Grey Transport					B. State Generator's ID				
6. US EPA ID Number II IN D 0 4 1 2 5 3 4 8 7 5					C. State Transporter's ID				
7. Transporter 2 Company Name					D. Transporter's Phone 1 8 0 0 7 7 2 - 9 3 0 7				
8. US EPA ID Number					E. State Transporter's ID				
9. Designated Facility Name and Site Address CHEMICAL WASTE MANAGEMENT OF THE NORTHWEST, INC. 17629 CEDAR SPRINGS LANE ARLINGTON, OR 97812-9709					F. Transporter's Phone 1 8 0 0 7 7 2 - 9 3 0 7				
10. US EPA ID Number 1 0 1 8 1 0 1 8 9 4 5 2 3 5 3					G. State Facility's ID				
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) a. Non Regulated per 49 CFR					12. Containers No. Type		13. Total Quantity	14. Unit Wt/Vol	EPA/I. Waste No.
					0 0 3 0 0 0 3 1 T				X 0 0 1
J. Additional Descriptions for Materials Listed Above: a. BB8834. b. CAMPS 2.0a c. d.					K. Handling Codes for Wastes Listed Above				
15. Special Handling Instructions and Additional Information a. Chemtec: (800)424-9300; CWM 24-Hour Emergency Info.#: (800)765-8713. c. d.									
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.  If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.									
Printed/Typed Name LARRY PATTERSON				Signature <i>Larry Patterson</i>			Month Day Year 08 11 1994		
17. Transporter 1 Acknowledgement of Receipt of Materials									
Printed/Typed Name James R. Karn				Signature <i>James R. Karn</i>			Month Day Year 10 8 1 1 7 19 9 4		
18. Transporter 2 Acknowledgement of Receipt of Materials									
Printed/Typed Name				Signature			Month Day Year		
19. Discrepancy Indication Space									
20. Facility Owner or Operator. Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.									
Printed/Typed Name				Signature			Month Day Year		

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

Form Approved. OMB No. 2050-0039. Expires 9-30-94

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. ORID009031840	Manifest Document No. 77007	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address Elf Atochem North America, Inc. P.O. Box 4109 Portland, OR 97208				A. State Manifest Document Number		
4. Generator's Phone (503) 225-7210				B. State Generator's ID		
5. Transporter 1 Company Name Jack Grey Transport		6. US EPA ID Number IN D042534875		C. State Transporter's ID		
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone 800 772 9307		
9. Designated Facility Name and Site Address CHEMICAL WASTE MANAGEMENT OF THE NORTHWEST, INC. 17629 CEDAR SPRINGS LANE ARLINGTON, OR 97812-9709				E. State Transporter's ID		
				F. Transporter's Phone		
				G. State Facility's ID		
				H. Facility's Phone (503) 454-2643		
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers		13. Total Quantity		14. Unit Wt/Vol
a. Non Regulated per 49 CFR		No. Type				EPA/I. Waste No.
		0 02 D T		00031 T		X 001
b.						
c.						
d.						
J. Additional Descriptions for Materials Listed Above a. BB8834 b. c. d.				CANPS 2.0a		K. Handling Codes for Wastes Listed Above
15. Special Handling Instructions and Additional Information @hntrec: (800)424-9300; CWN 24-Hour Emergency Info.#: (800)765-8713. b. c. d.						
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.  If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.						
Printed/Typed Name LARRY PATERSON			Signature <i>Larry Paterson</i>		Month Day Year 08/17/94	
17. Transporter 1 Acknowledgement of Receipt of Materials						
Printed/Typed Name NELSON RAGI			Signature <i>Nelson Ragi</i>		Month Day Year 08/17/94	
18. Transporter 2 Acknowledgement of Receipt of Materials						
Printed/Typed Name			Signature		Month Day Year	
19. Discrepancy Indication Space						
20. Facility Owner or Operator. Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.						
Printed/Typed Name			Signature		Month Day Year	

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

Form Approved. OMB No. 2050-0039. Expires 9-30-94

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. ORID000903118409402		Manifest Document No.	2. Page 1 of 4	Information in the shaded areas is not required by Federal law.		
3. Generator's Name and Mailing Address Elf Atochem North America, Inc. P.O. Box 4109 Portland OR 97208					A. State Manifest Document Number			
4. Generator's Phone (503) 225-7210					B. State Generator's ID			
5. Transporter 1 Company Name Jack Gray Transport			6. US EPA ID Number IND042534875		C. State Transporter's ID			
7. Transporter 2 Company Name			8. US EPA ID Number		D. Transporter's Phone 1800 772-9307			
9. Designated Facility Name and Site Address CHEMICAL WASTE MANAGEMENT OF THE NORTHWEST, INC. 17629 CEDAR SPRINGS LANE ARLINGTON, OR 97812-9709					G. State Facility's ID			
10. US EPA ID Number OR0089452353					H. Facility's Phone (503)454-2643			
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)					12. Containers	13. Total Quantity	14. Unit Wt/Vol	EPA/ I. Waste No.
a. Non Regulated per 49 CFR					No.	Type		
					1	DRUM	311	T
								X001
J. Additional Descriptions for Materials Listed Above					K. Handling Codes for Wastes Listed Above			
a. BB8634					CAMPS 2.0a			
15. Special Handling Instructions and Additional Information								
a. Chemrec: (800)424-9300; CWM 24-Hour Emergency Info.#: (800)765-8713.								
b.								
c.								
d.								
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.								
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.								
Printed/Typed Name LARRY PATTERSON				Signature <i>Larry Patterson</i>		Month Day Year 08/17/94		
17. Transporter 1 Acknowledgement of Receipt of Materials								
Printed/Typed Name GARY A THOMSON				Signature <i>Gary A. Thomson</i>		Month Day Year 10/8/17/94		
18. Transporter 2 Acknowledgement of Receipt of Materials								
Printed/Typed Name				Signature		Month Day Year		
19. Discrepancy Indication Space								
20. Facility Owner or Operator. Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.								
Printed/Typed Name				Signature		Month Day Year		

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

Form Approved. OMB No. 2050-0039. Expires 9-30-94

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. ORD00903134097007		Manifest Document No. 97007	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.			
3. Generator's Name and Mailing Address Elf Atochem North America, Inc. P.O. Box 4109 Portland, OR 97208					A. State Manifest Document Number				
4. Generator's Phone (503) 225-7210					B. State Generator's ID				
5. Transporter 1 Company Name Chemical Waste Management Inc					C. State Transporter's ID				
6. US EPA ID Number ILD099202681					D. Transporter's Phone 503-454-2643				
7. Transporter 2 Company Name					E. State Transporter's ID				
8. US EPA ID Number					F. Transporter's Phone				
9. Designated Facility Name and Site Address CHEMICAL WASTE MANAGEMENT OF THE NORTHWEST, INC. 17629 CEDAR SPRINGS LANE ARLINGTON, OR 97812-9709					G. State Facility's ID				
10. US EPA ID Number ORD089452353					H. Facility's Phone (503)454-2643				
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)					12. Containers No.	13. Total Quantity	14. Unit Wt/Vol	EPA / Waste No.	
a. Non Regulated per 49 CFR					0	1	DT	22 T	X001
b.									
c.									
d.									
J. Additional Descriptions for Materials Listed Above a. BB8834. b. c. d.					KAMPS 2.0a		K. Handling Codes for Wastes Listed Above		
15. Special Handling Instructions and Additional Information Chemtec: (800)424-9300; CWM 24-Hour Emergency Info.#: (800)765-8713.									
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.  If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.									
Printed/Typed Name LARRY TATTERSON				Signature <i>Larry Tatterson</i>			Month Day Year 08/18/94		
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Tommy Ruise				Signature <i>Tommy Ruise</i>			Month Day Year 08/18/94		
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name				Signature			Month Day Year		
19. Discrepancy Indication Space									
20. Facility Owner or Operator. Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.									
Printed/Typed Name				Signature			Month Day Year		

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

Form Approved. OMB No. 2050-0039. Expires 9-30-94

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. ORD00903184074070		Manifest Document No. 4070		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address Elf Atochem North America, Inc. P.O. Box 4109 Portland, OR 97208						A. State Manifest Document Number			
4. Generator's Phone ( 503 225-7210						B. State Generator's ID			
5. Transporter 1 Company Name FOSS Environmental Svcs.				6. US EPA ID Number 1000070730395		C. State Transporter's ID			
7. Transporter 2 Company Name						D. Transporter's Phone 503-283-156			
9. Designated Facility Name and Site Address CHEMICAL WASTE MANAGEMENT OF THE NORTHWEST, INC. 17629 CEDAR SPRINGS LANE ARLINGTON, OR 97812-9709						10. US EPA ID Number ORD089452353		E. State Transporter's ID	
								F. Transporter's Phone	
								G. State Facility's ID	
								H. Facility's Phone (503)454-2643	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)					12. Containers		13. Total Quantity	14. Unit Wt./Vol	EPA / I. Waste No.
a. Non Regulated per 49 CFR					No. Type				
					0 0 1 0 T 0 0 0 2 2 T				X 0 0 1
b.									
c.									
d.									
J. Additional Descriptions for Materials Listed Above						K. Handling Codes for Wastes Listed Above			
a. BB6634						CAMP 2.0a			
b.									
c.									
d.									
15. Special Handling Instructions and Additional Information									
a. Chemrec: (800)424-9300; CWM 24-Hour Emergency Info.#: (800)765-8713.									
b.									
c.									
d.									
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.									
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Printed/Typed Name LARRY PATTERSON					Signature <i>Larry Patterson</i>			Month Day Year 08 18 94	
17. Transporter 1 Acknowledgement of Receipt of Materials					Signature <i>Stan Fair</i>			Month Day Year 10 11 94	
Printed/Typed Name STAN FAIR					Signature			Month Day Year	
18. Transporter 2 Acknowledgement of Receipt of Materials					Signature			Month Day Year	
Printed/Typed Name					Signature			Month Day Year	
19. Discrepancy Indication Space									
20. Facility Owner or Operator. Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.									
Printed/Typed Name					Signature			Month Day Year	

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

Form Approved. OMB No. 2050-0039. Expires 9-30-94

<b>UNIFORM HAZARDOUS WASTE MANIFESTO</b>		1. Generator's US EPA ID No. OR D 0 0 9 0 3 1 8 4 0 9 7 0 1 1		Manifest Document No. 1	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address. Elf Atochem North America, Inc. P.O. Box 4109 Portland, OR 97208					A. State Manifest Document Number		
4. Generator's Phone (503) 225-7210					B. State Generator's ID		
5. Transporter 1 Company Name Jack Gray Transport		6. US EPA ID Number IND 042534875		C. State Transporter's ID			
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone 1800 772-9507			
9. Designated Facility Name and Site Address CHEMICAL WASTE MANAGEMENT OF THE NORTHWEST, INC. 17629 CEDAR SPRINGS LANE ARLINGTON, OR 97812-9709					10. US EPA ID Number OR D 0 8 9 4 5 2 3 5 3		
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)					12. Containers	13. Total Quantity	14. Unit Wt/Vol
a. Non Regulated per 49 CFR					No.	Type	EPA/ I. Waste No.
					002	DT	00031T X001
J. Additional Descriptions for Materials Listed Above					K. Handling Codes for Wastes Listed Above		
a. BB0034					CAMP 2.0a		
b.							
c.							
d.							
15. Special Handling Instructions and Additional Information Heatrec: (800)424-9300; CWH 24-Hour Emergency Info.#: (800)765-8713.							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.  If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name LARRY PATTERSON				Signature <i>Larry Patterson</i>		Month Day Year 08 18 94	
17. Transporter 1 Acknowledgement of Receipt of Materials				Signature <i>James R. Karn</i>		Month Day Year 08 18 94	
Printed/Typed Name JAMES R. KARN				Signature		Month Day Year	
18. Transporter 2 Acknowledgement of Receipt of Materials				Signature		Month Day Year	
Printed/Typed Name				Signature		Month Day Year	
19. Discrepancy Indication Space							
20. Facility Owner or Operator. Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.							
Printed/Typed Name				Signature		Month Day Year	

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

Form Approved. OMB No. 2050-0039. Expires 9-30-94

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. 0181010191031124107120112		Manifest Document No.		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.					
3. Generator's Name and Mailing Address Elf Atochem North America, Inc. P.O. Box 4109 Portland, OR 97208						A. State Manifest Document Number							
4. Generator's Phone (503) 225-7210						B. State Generator's ID							
5. Transporter 1 Company Name Jack Gray Transport			6. US EPA ID Number TIN D042534875			C. State Transporter's ID							
7. Transporter 2 Company Name						D. Transporter's Phone 1-800-77-9307							
8. US EPA ID Number						E. State Transporter's ID							
9. Designated Facility Name and Site Address CHEMICAL WASTE MANAGEMENT OF THE NORTHWEST, INC. 17629 CEDAR SPRINGS LANE ARLINGTON, OR 97812-9709						G. State Facility's ID							
10. US EPA ID Number 1081089452353						H. Facility's Phone (503) 454-2643							
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity		14. Unit Wt/Vo		EPA/I. Waste No.	
a. Non Regulated per 49 CFR						No. Type		Quantity		Wt/Vo		Waste No.	
						0 0 2 N T		00030T				X 0 0 1	
J. Additional Descriptions for Materials Listed Above						K. Handling Codes for Wastes Listed Above							
a. BB8834.						CANPS 2.0a							
b.													
c.													
d.													
15. Special Handling Instructions and Additional Information													
a. Chemrec: (800)424-9300; CWM 24-Hour Emergency Info.#: (800)765-8713.													
c.													
d.													
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.													
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Printed/Typed Name LARRY PATTERSON						Signature <i>Larry Patterson</i>			Month Day Year 10/8/18/94				
17. Transporter 1 Acknowledgement of Receipt of Materials													
Printed/Typed Name GARY A THOMSON						Signature <i>Gary A. Thomson</i>			Month Day Year 08/18/94				
18. Transporter 2 Acknowledgement of Receipt of Materials													
Printed/Typed Name						Signature			Month Day Year				
19. Discrepancy Indication Space													
20. Facility Owner or Operator. Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.													
Printed/Typed Name						Signature			Month Day Year				

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

Form Approved. OMB No. 2050-0039. Expires 9-30-94

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. ORID00903184072013		Manifest Document No. 72013		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.				
3. Generator's Name and Mailing Address Elf Atochem North America, Inc. P.O. Box 4109 Portland, OR 97208					A. State Manifest Document Number							
4. Generator's Phone (503) 225-7210					B. State Generator's ID							
5. Transporter 1 Company Name Jack Gray Transport					6. US EPA ID Number IND042534875							
7. Transporter 2 Company Name					8. US EPA ID Number							
9. Designated Facility Name and Site Address CHEMICAL WASTE MANAGEMENT OF THE NORTHWEST, INC. 17629 CEDAR SPRINGS LANE ARLINGTON, OR 97812-9709					10. US EPA ID Number ORD089452353							
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) a. Non Regulated per 49 CFR					12. Containers No. Type		13. Total Quantity		14. Unit Wt/Vol		EPA/Waste No.	
					0 02 D T 0 032 T						X 0 0 1	
J. Additional Descriptions for Materials Listed Above a. BB8834.					K. Handling Codes for Wastes Listed Above CAMPS 2.0a							
15. Special Handling Instructions and Additional Information Chemtec: (800)424-9300; CWM 24-Hour Emergency Info.#: (800)765-8713.												
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.  If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.												
Printed/Typed Name LARRY PATTERSON					Signature Larry Patterson					Month Day Year 08 18 94		
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Nelson RAGH					Signature Nelson Ragh					Month Day Year 08 18 94		
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name					Signature					Month Day Year		
19. Discrepancy Indication Space												
20. Facility Owner or Operator. Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. Printed/Typed Name					Signature					Month Day Year		

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039. Expires 9-30-94

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. OR D 0 0 9 0 3 1 B 1 4 0 9 2 0 1 4		Manifest Document No. 2017	2. Page 1 of	Information in the shaded areas is not required by Federal law.		
3. Generator's Name and Mailing Address <b>Elf Atochem North America, Inc.</b> P.O. Box 4109 Portland, OR 97208				4. Generator's Phone <b>503-225-7210</b>		A. State Manifest Document Number		
5. Transporter 1 Company Name <b>Gresham Transport</b>				6. US EPA ID Number OR D 0 1 5 0 9 7 3 4 3 7		B. State Generator's ID		
7. Transporter 2 Company Name				8. US EPA ID Number		C. State Transporter's ID		
9. Designated Facility Name and Site Address <b>CHEMICAL WASTE MANAGEMENT OF THE NORTHWEST, INC.</b> 17629 CEDAR SPRINGS LANE ARLINGTON, OR 97812-9709				10. US EPA ID Number OR D 0 8 9 4 5 2 3 5 3		D. Transporter's Phone <b>503-255-7900</b>		
						E. State Transporter's ID		
						F. Transporter's Phone		
						G. State Facility's ID		
						H. Facility's Phone <b>(503) 454-2643</b>		
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)					12. Containers	13. Total Quantity	14. Unit Wt/Vol	EPA/I Waste No.
a. <b>Non Regulated per 49 CFR</b>					No. Type			
					0 0 2 0 1 0 0 3 1 T			X 0 0 1
b.								
c.								
d.								
J. Additional Descriptions for Materials Listed Above					K. Handling Codes for Wastes Listed Above			
a. <b>CAMPS 2.0a</b>								
b. <b>BB0834</b>								
c.								
d.								
15. Special Handling Instructions and Additional Information								
a. <b>Chemtec: (800)424-9300; CWM 24-Hour Emergency Info.#: (800)765-8713.</b>								
c.								
d.								
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.								
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Printed/Typed Name <b>LARRY PATTERSON</b>				Signature <i>Larry Patterson</i>		Month Day Year <b>08 18 94</b>		
17. Transporter 1 Acknowledgement of Receipt of Materials								
Printed/Typed Name				Signature		Month Day Year		
18. Transporter 2 Acknowledgement of Receipt of Materials								
Printed/Typed Name				Signature		Month Day Year		
19. Discrepancy Indication Space								
20. Facility Owner or Operator. Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.								
Printed/Typed Name				Signature		Month Day Year		

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<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. 08000903184074017		Manifest Document No. 4017		2. Page 1 of		Information in the shaded areas is not required by Federal law.		
3. Generator's Name and Mailing Address <b>Elf Atochem North America, Inc. P.O. Box 4109 Portland, OR 97208</b>					A. State Manifest Document Number					
4. Generator's Phone (503) 225-7210					B. State Generator's ID					
5. Transporter 1 Company Name <b>Gresham Transport</b>			6. US EPA ID Number 10R101051091734317		C. State Transporter's ID			D. Transporter's Phone 503-255-7907		
7. Transporter 2 Company Name			8. US EPA ID Number		E. State Transporter's ID			F. Transporter's Phone		
9. Designated Facility Name and Site Address <b>CHEMICAL WASTE MANAGEMENT OF THE NORTHWEST, INC. 17629 CEDAR SPRINGS LANE ARLINGTON, OR 97812-9709</b>					10. US EPA ID Number 0800089452353		G. State Facility's ID			
							H. Facility's Phone <b>(503) 454-2643</b>			
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity	14. Unit Wt/Vol	EPA / I. Waste No.
a. <b>Non Regulated per 49 CFR</b>						No. Type				
						0 0 2 0 T		0 0 0 3 0	T	X 0 0 1
b.										
c.										
d.										
J. Additional Descriptions for Materials Listed Above						K. Handling Codes for Wastes Listed Above				
a. <b>CAMPS 2.0a</b>										
b. <b>BB8834</b>										
c.										
d.										
15. Special Handling Instructions and Additional Information										
a. <b>Chemtec: (800)424-9300; CWM 24-Hour Emergency Info.#: (800)765-8713.</b>										
c.										
d.										
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Printed/Typed Name <b>LARRY PATTERSON</b>				Signature <i>Larry Patterson</i>			Month Day Year 10/8/18/94			
17. Transporter 1 Acknowledgement of Receipt of Materials										
Printed/Typed Name <b>WALTER R. DLINGER</b>				Signature <i>Walter R. Dlinger</i>			Month Day Year 10/8/18/94			
18. Transporter 2 Acknowledgement of Receipt of Materials										
Printed/Typed Name				Signature			Month Day Year			
19. Discrepancy Indication Space										
20. Facility Owner or Operator. Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.										
Printed/Typed Name				Signature			Month Day Year			

**GENERATORS COPY**

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Form Approved. OMB No. 2050-0039. Expires 9-30-94

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. ORID101091031184109171018		Manifest Document No. 18		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.					
3. Generator's Name and Mailing Address Elf Atochem North America, Inc. P.O. Box 4109 Portland, OR 97208				4. Generator's Phone (503) 225-7210		A. State Manifest Document Number							
5. Transporter 1 Company Name Jack Gray Transport				6. US EPA ID Number IND042534875		B. State Generator's ID							
7. Transporter 2 Company Name				8. US EPA ID Number		C. State Transporter's ID							
9. Designated Facility Name and Site Address CHEMICAL WASTE MANAGEMENT OF THE NORTHWEST, INC. 17629 CEDAR SPRINGS LANE ARLINGTON, OR 97812-9709				10. US EPA ID Number ORID089452353		D. Transporter's Phone 800 772-9307							
						E. State Transporter's ID							
						F. Transporter's Phone							
						G. State Facility's ID							
						H. Facility's Phone (503) 454-2643							
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity		14. Unit Wt/Vol	EPA/I. Waste No.		
a. Non Regulated per 49 CFR						No. Type 0 0 2 D T		00030 T		T	X 0 0 1		
b.													
c.													
d.													
J. Additional Descriptions for Materials Listed Above a. BB8834.						CAMPS 2.0a			K. Handling Codes for Wastes Listed Above				
b.													
c.													
d.													
15. Special Handling Instructions and Additional Information Chemtrec: (800)424-9300; CWH 24-hour Emergency Info.#: (800)765-8713.													
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Printed/Typed Name LARRY PATTERSON				Signature <i>Larry Patterson</i>				Month Day Year 08/18/94					
17. Transporter 1 Acknowledgement of Receipt of Materials													
Printed/Typed Name GARY A. THOMSON				Signature <i>Gary A. Thomson</i>				Month Day Year 08/18/94					
18. Transporter 2 Acknowledgement of Receipt of Materials													
Printed/Typed Name				Signature				Month Day Year					
19. Discrepancy Indication Space													
20. Facility Owner or Operator. Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.													
Printed/Typed Name				Signature				Month Day Year					

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

Form Approved. OMB No. 2050-0039. Expires 9-30-94

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No ORID09090131184094119		Manifest Document No. 119		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.					
3. Generator's Name and Mailing Address Elf Atochem North America, Inc. P.O. Box 4109 Portland, OR 97208						A. State Manifest Document Number							
4. Generator's Phone (503) 225-7210						B. State Generator's ID							
5. Transporter 1 Company Name Jack Gray Transport				6. US EPA ID Number IND004215348715		C. State Transporter's ID							
7. Transporter 2 Company Name						D. Transporter's Phone 1800772-9307							
9. Designated Facility Name and Site Address CHEMICAL WASTE MANAGEMENT OF THE NORTHWEST, INC. 17629 CEDAR SPRINGS LANE ARLINGTON, OR 97812-9709						10. US EPA ID Number ORID089452353		E. State Transporter's ID					
						F. Transporter's Phone							
						G. State Facility's ID							
						H. Facility's Phone (503)454-2643							
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity		14. Unit Wt/Vol		EPA / I. Waste No.	
a. Non Regulated per 49 CFR						No. Type							
						0102 D T 0100311		T				X001	
b.													
c.													
d.													
J. Additional Descriptions for Materials Listed Above						K. Handling Codes for Wastes Listed Above							
a. BB8834.						CAMPS 2.0a							
b.													
c.													
d.													
15. Special Handling Instructions and Additional Information													
a. Chemtrec: (800)424-9300; CWM 24-Hour Emergency Info.#: (800)765-8713.													
c.													
d.													
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.													
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Printed/Typed Name LARRY PETERSON					Signature <i>Larry Peterson</i>					Month Day Year 08/18/94			
17. Transporter 1 Acknowledgement of Receipt of Materials													
Printed/Typed Name JAMES R. KARN					Signature <i>James R. Karn</i>					Month Day Year 08/18/94			
18. Transporter 2 Acknowledgement of Receipt of Materials													
Printed/Typed Name					Signature					Month Day Year			
19. Discrepancy Indication Space													
20. Facility Owner or Operator. Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.													
Printed/Typed Name					Signature					Month Day Year			



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

Form Approved. OMB No. 2050-0039. Expires 9-30-94

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. ORID0101910311840192123		Manifest Document No. 92123		2. Page 1 of		Information in the shaded areas is not required by Federal law.																
3. Generator's Name and Mailing Address <b>Elf Atochem North America, Inc.</b> P.O. Box 4109 Portland, OR 97208 4. Generator's Phone (503) 225-7210						A. State Manifest Document Number																		
5. Transporter 1 Company Name <b>Jack Gray Transport</b>						B. State Generator's ID																		
6. US EPA ID Number IND042534875						C. State Transporter's ID																		
7. Transporter 2 Company Name						D. Transporter's Phone 1800 772 9307																		
8. US EPA ID Number						E. State Transporter's ID																		
9. Designated Facility Name and Site Address <b>CHEMICAL WASTE MANAGEMENT OF THE NORTHWEST, INC.</b> 17629 CEDAR SPRINGS LANE ARLINGTON, OR 97812-9709						F. Transporter's Phone																		
10. US EPA ID Number ORD009452353						G. State Facility's ID																		
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity		14. Unit Wt./Vol		EPA / I Waste No.												
a. <b>Non Regulated per 49 CFR</b>						No. Type																		
						0 02 D T		00031 T				X 0 0 1												
b.																								
c.																								
d.																								
J. Additional Descriptions for Materials Listed Above						K. Handling Codes for Wastes Listed Above																		
a. <b>CAMPS 2.0s</b>																								
b. <b>BB8834.</b>																								
c.																								
d.																								
15. Special Handling Instructions and Additional Information										a. <b>Chemrec: (800)424-9300; CWM 24-Hour Emergency Info.#: (800)765-8713.</b>														
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.										b. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.														
17. Transporter 1 Acknowledgement of Receipt of Materials					Printed/Typed Name <b>LARRY PATTERSON</b>					Signature <i>Larry Patterson</i>					Month Day Year <b>08/19/94</b>									
18. Transporter 2 Acknowledgement of Receipt of Materials					Printed/Typed Name <b>MELISA RAGLE</b>					Signature <i>Melisa Ragle</i>					Month Day Year <b>10/8/1994</b>									
19. Discrepancy Indication Space																								
20. Facility Owner or Operator. Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.										Printed/Typed Name					Signature					Month Day Year				

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

Form Approved. OMB No. 2050-0039. Expires 9-30-94

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. 01RD0101910131181410191710217		Manifest Document No. 1217	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address Elf Atochem North America, Inc. P.O. Box 4109 Portland, OR 97208					A. State Manifest Document Number		
4. Generator's Phone ( 503 225-7210					B. State Generator's ID		
5. Transporter 1 Company Name Jack Gray Transport					C. State Transporter's ID		
6. US EPA ID Number LIND042534875					D. Transporter's Phone 18007729307		
7. Transporter 2 Company Name					E. State Transporter's ID		
8. US EPA ID Number					F. Transporter's Phone		
9. Designated Facility Name and Site Address CHEMICAL WASTE MANAGEMENT OF THE NORTHWEST, INC. 17629 CEDAR SPRINGS LANE ARLINGTON, OR 97812-9709					G. State Facility's ID		
10. US EPA ID Number 01RD089452353					H. Facility's Phone (503)454-2643		
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers	13. Total Quantity	14. Unit Wt/Vol	EPA / I Waste No.
a. Non Regulated per 49 CFR				No. Type			
				0 0 2 0 1	1000307		8001
b.							
c.							
d.							
J. Additional Descriptions for Materials Listed Above				K. Handling Codes for Wastes Listed Above			
a. BB8834. CAMPS 2.0a							
b.							
c.							
d.							
15. Special Handling Instructions and Additional Information Chemtec: (800)424-9300; CWM 24-Hour Emergency Info.#: (800)765-8713.							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.  If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name LARRY PATTERSON				Signature <i>Larry Patterson</i>		Month Day Year 08 19 94	
17. Transporter 1 Acknowledgement of Receipt of Materials							
Printed/Typed Name JAMES R. KARN				Signature <i>James R. Karn</i>		Month Day Year 08 19 94	
18. Transporter 2 Acknowledgement of Receipt of Materials							
Printed/Typed Name				Signature		Month Day Year	
19. Discrepancy Indication Space							
20. Facility Owner or Operator. Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.							
Printed/Typed Name				Signature		Month Day Year	

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

Form Approved. OMB No. 2050-0039. Expires 9-30-94

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. OR ID 10101910311841019		Manifest Document No. R 1215		2. Page 1 of		Information in the shaded areas is not required by Federal law.					
3. Generator's Name and Mailing Address Elf Atochem North America, Inc. P.O. Box 4109 Portland, OR 97208						A. State Manifest Document Number							
4. Generator's Phone (503) 225-7210						B. State Generator's ID							
5. Transporter 1 Company Name Jrick Gray Transprt			6. US EPA ID Number TIND0421534875			C. State Transporter's ID							
7. Transporter 2 Company Name						D. Transporter's Phone 1800729307							
8. US EPA ID Number						E. State Transporter's ID							
9. Designated Facility Name and Site Address CHEMICAL WASTE MANAGEMENT OF THE NORTHWEST, INC. 17629 CEDAR SPRINGS LANE ARLINGTON, OR 97812-9709						F. Transporter's Phone							
10. US EPA ID Number ORD089452353						G. State Facility's ID							
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) Non Regulated per 49 CFR						12. Containers No. Type 0 02 DT		13. Total Quantity 0.0031 T		14. Unit Wt/Vol T		EPA/I Waste No. X001	
J. Additional Descriptions for Materials Listed Above a. CAMPS 2.0a b. BB8834.						K. Handling Codes for Wastes Listed Above							
15. Special Handling Instructions and Additional Information a. Chemtrec: (800)424-9300; CWM 24-Hour Emergency Info.#: (800)765-8713.													
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.													
Printed/Typed Name LARRI PATTERSON				Signature <i>Larry Patterson</i>				Month Day Year 08 19 94					
17. Transporter 1 Acknowledgement of Receipt of Materials													
Printed/Typed Name GARY A. THOMSON				Signature <i>Gary A. Thomson</i>				Month Day Year 08 19 94					
18. Transporter 2 Acknowledgement of Receipt of Materials													
Printed/Typed Name				Signature				Month Day Year					
19. Discrepancy Indication Space													
20. Facility Owner or Operator. Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.													
Printed/Typed Name				Signature				Month Day Year					

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Form Approved. OMB No. 2050-0039. Expires 9-30-94

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. OR101019101311814101917101216		2. Page 1 of 1		3. Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address Elf Atochem North America, Inc. P.O. Box 4109 Portland, OR 97208 503 225-7210				A. State Manifest Document Number		B. State Generator's ID	
4. Generator's Phone ( )		5. Transporter 1 Company Name Jack Gray Transport		6. US EPA ID Number IND042534875		C. State Transporter's ID	
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone 1800 772 9807		E. State Transporter's ID	
9. Designated Facility Name and Site Address CHEMICAL WASTE MANAGEMENT OF THE NORTHWEST, INC. 17629 CEDAR SPRINGS LANE ARLINGTON, OR 97812-9709		10. US EPA ID Number ORD089452353		F. Transporter's Phone		G. State Facility's ID	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers		13. Total Quantity		14. Unit Wt/Vol	
a. Non Regulated per 49 CFR		No. Type		EPA/I. Waste No.			
		0 0 2 1		D T 00031 T		X 0 0 1	
J. Additional Descriptions for Materials Listed Above		K. Handling Codes for Wastes Listed Above					
a. BB8834.		CAMP 2, 08					
15. Special Handling Instructions and Additional Information							
Chemrec: (800)424-9300; CWM 24-Hour Emergency Info.#: (800)765-8713.							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.							
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Printed/Typed Name LARRA PATTERSON				Signature <i>Larra Patterson</i>		Month Day Year 08 22 94	
17. Transporter 1 Acknowledgement of Receipt of Materials				Printed/Typed Name Nelson RAGLI		Signature <i>Nelson Ragli</i>	
18. Transporter 2 Acknowledgement of Receipt of Materials				Printed/Typed Name		Signature	
19. Discrepancy Indication Space				Printed/Typed Name		Signature	
20. Facility Owner or Operator. Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.				Printed/Typed Name		Signature	

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Form Approved. OMB No. 2050-0039. Expires 9-30-94

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. OR D 0 0 9 0 3 1 2 4 0 9 4 0 2 7		Manifest Document No. 27	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.		
3. Generator's Name and Mailing Address Elf Atochem North America, Inc. P.O. Box 4109 Portland, OR 97208					A. State Manifest Document Number			
4. Generator's Phone (503) 225-7210					B. State Generator's ID			
5. Transporter 1 Company Name Foss Environmental Sols.			6. US EPA ID Number OR D 0 7 0 7 3 0 3 9 5		C. State Transporter's ID			
7. Transporter 2 Company Name			8. US EPA ID Number		D. Transporter's Phone 503 223-1150			
9. Designated Facility Name and Site Address CHEMICAL WASTE MANAGEMENT OF THE NORTHWEST, INC. 17629 CEDAR SPRINGS LANE ARLINGTON, OR 97012-9709					E. State Transporter's ID			
10. US EPA ID Number OR D 0 8 9 4 5 2 3 5 3					F. Transporter's Phone			
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)					12. Containers		13. Total Quantity	
a. Non Regulated per 49 CFR					No.	Type	Unit	EPA/I. Waste No.
							Wt./Vol	
					0 0 1 D 1	0 0 0 2 2 T		X 0 0 1
J. Additional Descriptions for Materials Listed Above					K. Handling Codes for Wastes Listed Above			
a. CAMPS 2.0a								
b. BB8834.								
c.								
d.								
15. Special Handling Instructions and Additional Information								
a. Chemtrec: (800)424-9300; CWM 24-Hour Emergency Info.#: (800)765-8713.								
c.								
d.								
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Printed/Typed Name LARRY PATTERSON				Signature <i>Larry Patterson</i>		Month Day Year 08 22 94		
17. Transporter 1 Acknowledgement of Receipt of Materials								
Printed/Typed Name BOB ADRISSA				Signature <i>Bob Adrissa</i>		Month Day Year 10 12 94		
18. Transporter 2 Acknowledgement of Receipt of Materials								
Printed/Typed Name				Signature		Month Day Year		
19. Discrepancy Indication Space								
20. Facility Owner or Operator. Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.								
Printed/Typed Name				Signature		Month Day Year		

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<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. O R D 0 0 9 0 3 1 8 4 0 1 9 7 4 0 2 8	Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.
3. Generator's Name and Mailing Address Elf Atochem North America, Inc. P.O. Box 4109 Portland, OR 97208			A. State Manifest Document Number		
4. Generator's Phone ( 503 ) 225-7210			B. State Generator's ID		
5. Transporter 1 Company Name Jack Gray Transport		6. US EPA ID Number I N D 0 4 2 5 3 4 8 7 5		C. State Transporter's ID	
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone ( 500 ) 712 9307	
9. Designated Facility Name and Site Address CHEMICAL WASTE MANAGEMENT OF THE NORTHWEST, INC. 17629 CEDAR SPRINGS LANE ARLINGTON, OR 97812-9709		10. US EPA ID Number O R D 0 8 9 4 5 2 3 5 3		E. State Transporter's ID	
				F. Transporter's Phone	
				G. State Facility's ID	
				H. Facility's Phone ( 503 ) 454-2643	

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers		13. Total Quantity	14. Unit Wt/Vol	EPA/I Waste No.
	No.	Type			
a. Non Regulated per 49 CFR	0	2 D T	0.0031	T	X 0 0 1
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above a. BB8834	CAMPS 2.0a	K. Handling Codes for Wastes Listed Above
b.		
c.		
d.		

15. Special Handling Instructions and Additional Information  
 Chemrec: (800) 424-9300; CWH 24-hour Emergency Info.#: (800) 765-8713.

b.

c.

d.

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

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Printed/Typed Name LARRY PATTERSON	Signature <i>Larry Patterson</i>	Month Day Year 08 22 94
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17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name JAMES R. KARN	Signature <i>James R. Karn</i>	Month Day Year 08 22 94
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18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
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19. Discrepancy Indication Space

20. Facility Owner or Operator. Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month Day Year
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Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039. Expires 9-30-94

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. 0 R D 0 0 9 0 3 1 B 4 0 9 7 0 2 9		Manifest Document No. of 1		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.		
3. Generator's Name and Mailing Address Elf Atochem North America, Inc. P.O. Box 4109 Portland, OR 97208						A. State Manifest Document Number				
4. Generator's Phone (503) 225-7210						B. State Generator's ID				
5. Transporter 1 Company Name Chemical Waste Management Inc						C. State Transporter's ID				
6. US EPA ID Number ILD099202681						D. Transporter's Phone 503-454-3643				
7. Transporter 2 Company Name						E. State Transporter's ID				
8. US EPA ID Number						F. Transporter's Phone				
9. Designated Facility Name and Site Address CHEMICAL WASTE MANAGEMENT OF THE NORTHWEST, INC. 17629 CEDAR SPRINGS LANE ARLINGTON, OR 97812-9709						G. State Facility's ID				
10. US EPA ID Number 0 R D 0 8 9 4 5 2 3 5 3						H. Facility's Phone (503) 854-2643				
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity	14. Unit Wt./Vol	EPA / I. Waste No.
a. Non Regulated per 49 CFR						No. Type		001 BT	00022 T	X001
b.										
c.										
d.										
J. Additional Descriptions for Materials Listed Above						K. Handling Codes for Wastes Listed Above				
a. CAMPS 2.0a										
b. BB8834.										
c.										
d.										
15. Special Handling Instructions and Additional Information										
a. Chemtrec: (800)424-9300; CWM 24-Hour Emergency Info.#: (800)765-8713.										
c.										
d.										
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Printed/Typed Name LARRY PATTERSON					Signature <i>Larry Patterson</i>			Month Day Year 08 22 94		
17. Transporter 1 Acknowledgement of Receipt of Materials										
Printed/Typed Name Tommy Ruise					Signature <i>Tommy Ruise</i>			Month Day Year 08 22 94		
18. Transporter 2 Acknowledgement of Receipt of Materials										
Printed/Typed Name					Signature			Month Day Year		
19. Discrepancy Indication Space										
20. Facility Owner or Operator. Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.										
Printed/Typed Name					Signature			Month Day Year		

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Form Approved. OMB No. 2050-0039. Expires 9-30-94

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. OR D 0 0 9 0 3 1 7 8 4 0 9 7 4 0 3 0		Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address Elf Atochem North America, Inc. P.O. Box 4109 Portland, OR 97208					A. State Manifest Document Number		
4. Generator's Phone (503) 225-7210					B. State Generator's ID		
5. Transporter 1 Company Name Gresham Transport					6. US EPA ID Number OR D 0 5 0 9 7 3 4 3 7		C. State Transporter's ID
7. Transporter 2 Company Name					8. US EPA ID Number		D. Transporter's Phone (503) 255-7902
9. Designated Facility Name and Site Address CHEMICAL WASTE MANAGEMENT OF THE NORTHWEST, INC. 17629 CEDAR SPRINGS LANE ARLINGTON, OR 97812-9709					10. US EPA ID Number OR D 0 8 9 4 5 2 3 5 3		E. State Transporter's ID
							F. Transporter's Phone
							G. State Facility's ID
							H. Facility's Phone (503) 454-2643
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)					12. Containers		13. Total Quantity
a. Non Regulated per 49 CFR					No.	Type	14. Unit Wt./Vol
							EPA/I. Waste No.
					01	012 D T	00033 T
							X 0 0 1
J. Additional Descriptions for Materials Listed Above					K. Handling Codes for Wastes Listed Above		
a. BB8834					CANPS 2.0a		
b.							
c.							
d.							
15. Special Handling Instructions and Additional Information							
a. Chemtrec: (800)424-9300; CWH 24-Hour Emergency Info.#: (800)765-8713.							
b.							
c.							
d.							
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Printed/Typed Name LARRY PATTERSON				Signature <i>Larry Patterson</i>		Month Day Year 08 22 94	
17. Transporter 1 Acknowledgement of Receipt of Materials							
Printed/Typed Name ROY JACK KOONEY				Signature <i>Roy Jack Kooney</i>		Month Day Year 08 22 94	
18. Transporter 2 Acknowledgement of Receipt of Materials							
Printed/Typed Name				Signature		Month Day Year	
19. Discrepancy Indication Space							
20. Facility Owner or Operator. Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.							
Printed/Typed Name				Signature		Month Day Year	

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Form Approved. OMB No. 2050-0039. Expires 9-30-94

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. 0 R D 0 0 9 0 3 1 8 4 0 9 4 6 3 1	Manifest Document No. 1	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address Elf Atochem North America, Inc. P.O. Box 4109 Portland, OR 97208				A. State Manifest Document Number		
4. Generator's Phone (97208)				B. State Generator's ID		
5. Transporter 1 Company Name Chemical Waste Management, Inc.		6. US EPA ID Number L10099202681		C. State Transporter's ID		
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone (503) 434-2643		
9. Designated Facility Name and Site Address CHEMICAL WASTE MANAGEMENT OF THE NORTHWEST, INC. 17629 CEDAR SPRINGS LANE ARLINGTON, OR 97812-9709				E. State Transporter's ID		
10. US EPA ID Number 0 R D 0 8 9 4 5 2 3 5 3				F. Transporter's Phone		
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers		13. Total Quantity
a. Non Regulated per 49 CFR				No.	Type	14. Unit Wt./Vol.
						EPA/I. Waste No.
J. Additional Descriptions for Materials Listed Above				K. Handling Codes for Wastes Listed Above		
a. BB8834				CAMPS 2.0a		
b.						
c.						
d.						
15. Special Handling Instructions and Additional Information						
a. Chemtrec: (800)424-9300; CWM 24-Hour Emergency Info.#: (800)765-8713.						
c.						
d.						
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.						
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.						
Printed/Typed Name LARRY PATTERSON			Signature <i>Larry Patterson</i>		Month Day Year 10 8 22 94	
17. Transporter 1 Acknowledgement of Receipt of Materials						
Printed/Typed Name James Mc... ..			Signature <i>James Mc...</i>		Month Day Year 10 8 22 94	
18. Transporter 2 Acknowledgement of Receipt of Materials						
Printed/Typed Name			Signature		Month Day Year	
19. Discrepancy Indication Space						
20. Facility Owner or Operator. Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.						
Printed/Typed Name			Signature		Month Day Year	

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

Form Approved. OMB No. 2050-0039. Expires 9-30-94

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. ORD0090311840974032		Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.		
3. Generator's Name and Mailing Address Elf Atochem North America, Inc. P.O. Box 4109 Portland, OR 97208					A. State Manifest Document Number			
4. Generator's Phone (503) 225-7210					B. State Generator's ID			
5. Transporter 1 Company Name Gresham Transfer			6. US EPA ID Number ORD050973437		C. State Transporter's ID			
7. Transporter 2 Company Name			8. US EPA ID Number		D. Transporter's Phone 503-555-7902			
9. Designated Facility Name and Site Address CHEMICAL WASTE MANAGEMENT OF THE NORTHWEST, INC. 17629 CEDAR SPRINGS LANE ARLINGTON, OR 97812-9709			10. US EPA ID Number ORD089452353		E. State Transporter's ID			
					F. Transporter's Phone			
					G. State Facility's ID			
					H. Facility's Phone (503) 454-2643			
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)					12. Containers	13. Total Quantity	14. Unit Wt/Vol	EPA / Waste No.
a. Non Regulated per 49 CFR					No. Type			
					0 0 2 D T	0 0 3 2 T		X 0 0 1
b.								
c.								
d.								
J. Additional Descriptions for Materials Listed Above a. BB8834.					CAMPS 2.06		K. Handling Codes for Wastes Listed Above	
b.								
c.								
d.								
15. Special Handling Instructions and Additional Information Chemtec: (800)424-9300; CWM 24-Hour Emergency Info.#: (800)765-8713.								
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.								
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Printed/Typed Name LARRY PATTERSON				Signature <i>Larry Patterson</i>			Month Day Year 08 22 94	
17. Transporter 1 Acknowledgement of Receipt of Materials								
Printed/Typed Name Dave Holmes				Signature <i>Dave Holmes</i>			Month Day Year 08 22 94	
18. Transporter 2 Acknowledgement of Receipt of Materials								
Printed/Typed Name				Signature			Month Day Year	
19. Discrepancy Indication Space								
20. Facility Owner or Operator. Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.								
Printed/Typed Name				Signature			Month Day Year	

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

Form Approved. OMB No. 2050-0039. Expires 9-30-94

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. 031010191031191019101313		Manifest Document No. 9101313		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.						
3. Generator's Name and Mailing Address <b>Elf Atochem North America, Inc.</b> P.O. Box 4109 Portland, OR 97208						A. State Manifest Document Number								
4. Generator's Phone (503) 225-7210						B. State Generator's ID								
5. Transporter 1 Company Name <b>Gresham Transfer</b>				6. US EPA ID Number OR D050973437		C. State Transporter's ID								
7. Transporter 2 Company Name						D. Transporter's Phone (503) 225-7902								
8. US EPA ID Number						E. State Transporter's ID								
9. Designated Facility Name and Site Address <b>CHEMICAL WASTE MANAGEMENT OF THE NORTHWEST, INC.</b> 17629 CEDAR SPRINGS LANE ARLINGTON, OR 97812-9709						10. US EPA ID Number OR D089452353								
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity		14. Unit Wt./Vol		EPA/I Waste No.		
a. Non Regulated per 49 CFR						No. Type		Quantity		Wt./Vol		EPA/I Waste No.		
						0 0 2 D TD 031 T						X 0 0 1		
J. Additional Descriptions for Materials Listed Above						K. Handling Codes for Wastes Listed Above								
a. BB8834						CAMPS 2.0a								
15. Special Handling Instructions and Additional Information														
a. Chemtec: (800)424-9300; CWM 24-Hour Emergency Info.#: (800)765-8713.														
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.														
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Printed/Typed Name <b>LARRY PATTERSON</b>				Signature <i>Larry Patterson</i>		Month Day Year 10/8/22/94								
17. Transporter 1 Acknowledgement of Receipt of Materials				Printed/Typed Name <b>DON TYRRELL</b>		Signature <i>Don Tyrrell</i>		Month Day Year 10/8/22/94						
18. Transporter 2 Acknowledgement of Receipt of Materials				Printed/Typed Name		Signature		Month Day Year						
19. Discrepancy Indication Space														
20. Facility Owner or Operator. Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.														
Printed/Typed Name					Signature					Month Day Year				

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

Form Approved. OMB No. 2050-0039. Expires 9-30-94

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. ORID0090311340174037		Manifest Document No. 74037		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.							
3. Generator's Name and Mailing Address Elf Atochem North America, Inc. P.O. Box 4109 Portland, OR 97208						A. State Manifest Document Number									
4. Generator's Phone (503) 225-7210						B. State Generator's ID									
5. Transporter 1 Company Name Jack Gray Transport			6. US EPA ID Number IND042534875			C. State Transporter's ID									
7. Transporter 2 Company Name						D. Transporter's Phone 18007729301									
9. Designated Facility Name and Site Address CHEMICAL WASTE MANAGEMENT OF THE NORTHWEST, INC. 17629 CEDAR SPRINGS LANE ARLINGTON, OR 97812-9709						G. State Facility's ID									
10. US EPA ID Number ORD089452353						H. Facility's Phone (503)454-2643									
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity		14. Unit Wt/Vo		EPA/1 Waste No.			
a. Non Regulated per 49 CFR						No. Type		Quantity		Wt/Vo		Waste No.			
						0 0 2 DOT		00031 T				X 0 0 1			
J. Additional Descriptions for Materials Listed Above						K. Handling Codes for Wastes Listed Above									
a. BB8834						CARPS 2.0a									
b.															
c.															
d.															
15. Special Handling Instructions and Additional Information															
Chemtrec: (800)424-9300; CWM 24-Hour Emergency Info.#: (800)765-8713.															
b.															
c.															
d.															
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.															
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Printed/Typed Name LARRY PATTERSON						Signature <i>Larry Patterson</i>						Month Day Year 08 22 94			
17. Transporter 1 Acknowledgement of Receipt of Materials						Printed/Typed Name GARY THOMSON						Signature <i>Gary Thomson</i>		Month Day Year 08 22 94	
18. Transporter 2 Acknowledgement of Receipt of Materials						Printed/Typed Name						Signature		Month Day Year	
19. Discrepancy Indication Space															
20. Facility Owner or Operator. Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.															
Printed/Typed Name						Signature						Month Day Year			

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

Form Approved. OMB No. 2050-0039. Expires 9-30-94

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. ORD010190311840194035		Manifest Document No. 4035		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.					
3. Generator's Name and Mailing Address Elf Atochem North America, Inc. P.O. Box 4109 Portland, OR 97208						A. State Manifest Document Number							
4. Generator's Phone (503) 225-7210						B. State Generator's ID							
5. Transporter 1 Company Name Jack Gray Transport						C. State Transporter's ID							
6. US EPA ID Number ITND042534875						D. Transporter's Phone 1800712-9307							
7. Transporter 2 Company Name						E. State Transporter's ID							
8. US EPA ID Number						F. Transporter's Phone							
9. Designated Facility Name and Site Address CHEMICAL WASTE MANAGEMENT OF THE NORTHWEST, INC. 17629 CEDAR SPRINGS LANE ARLINGTON, OR 97812-9709						G. State Facility's ID							
10. US EPA ID Number ORD089452353						H. Facility's Phone (503) 454-2683							
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity		14. Unit Wt/Vol		EPA / I. Waste No.	
a. Non Regulated per 49 CFR						No. Type						X001	
b.						002 D T		0031 T					
c.													
d.													
J. Additional Descriptions for Materials Listed Above						K. Handling Codes for Wastes Listed Above							
a. CAMPS 2.0a													
b. BB8834													
c.													
d.													
15. Special Handling Instructions and Additional Information													
a. Chemtec: (800)424-9300; CWM 24-Hour Emergency Info.#: (800)765-8713.													
b.													
c.													
d.													
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.													
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Printed/Typed Name LARRY PATTERSON					Signature <i>Larry Patterson</i>					Month Day Year 08 22 94			
17. Transporter 1 Acknowledgement of Receipt of Materials													
Printed/Typed Name JAMES R. KANN					Signature <i>James R. Kann</i>					Month Day Year 08 22 94			
18. Transporter 2 Acknowledgement of Receipt of Materials													
Printed/Typed Name					Signature					Month Day Year			
19. Discrepancy Indication Space													
20. Facility Owner or Operator. Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.													
Printed/Typed Name					Signature					Month Day Year			

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

Form Approved. OMB No. 2050-0039. Expires 9-30-94

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. <b>ORID009031184094036</b>		Manifest Document No. <b>4036</b>		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.									
3. Generator's Name and Mailing Address <b>Elf Atochem North America, Inc. P.O. Box 4109 Portland, OR 97208</b>						A. State Manifest Document Number											
4. Generator's Phone ( <b>503</b> ) <b>225-7210</b>						B. State Generator's ID											
5. Transporter 1 Company Name <b>Jack Gray Transport</b>				6. US EPA ID Number <b>IND042534875</b>		C. State Transporter's ID											
7. Transporter 2 Company Name						D. Transporter's Phone <b>18007729307</b>											
9. Designated Facility Name and Site Address <b>CHEMICAL WASTE MANAGEMENT OF THE NORTHWEST, INC. 17629 CEDAR SPRINGS LANE ARLINGTON, OR 97812-9709</b>						10. US EPA ID Number <b>ORID089452353</b>		E. State Transporter's ID									
						F. Transporter's Phone											
						G. State Facility's ID											
						H. Facility's Phone <b>(503)454-2643</b>											
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity		14. Unit Wt/Vol		EPA / I. Waste No.					
a. <b>Non Regulated per 49 CFR</b>						No. Type											
						<b>002 D T</b>		<b>0032 T</b>				<b>X001</b>					
b.																	
c.																	
d.																	
J. Additional Descriptions for Materials Listed Above a. <b>BB883*</b>						K. Handling Codes for Wastes Listed Above											
b.																	
c.																	
d.																	
15. Special Handling Instructions and Additional Information <b>Genetec: 18007424-9300; CWN 24-hour Emergency Info. #: (800)765-8713.</b>																	
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.  If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment: OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.																	
Printed/Typed Name <b>LARRY PATTERSON</b>						Signature <i>Larry Patterson</i>				Month Day Year <b>08 22 94</b>							
17. Transporter 1 Acknowledgement of Receipt of Materials						Printed/Typed Name <b>NELSON RAGLE</b>				Signature <i>Nelson Ragle</i>				Month Day Year <b>08 22 94</b>			
18. Transporter 2 Acknowledgement of Receipt of Materials						Printed/Typed Name				Signature				Month Day Year			
19. Discrepancy Indication Space																	
20. Facility Owner or Operator. Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.																	
Printed/Typed Name						Signature				Month Day Year							

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

Form Approved. OMB No. 2050-0039. Expires 9-30-94

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. <b>OR D 0 1 0 1 9 1 0 3 1 1 8 1 4 1 0 1 9 1 4 1 0 1 7</b>		Manifest Document No. <b>4101317</b>		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.					
3. Generator's Name and Mailing Address <b>Elf Atochem North America, Inc. P.O. Box 4109 Portland, OR 97208</b>						A. State Manifest Document Number							
4. Generator's Phone ( <b>503 225-7210</b> )						B. State Generator's ID							
5. Transporter 1 Company Name <b>CHEMICAL WASTE MANAGEMENT INC</b>						C. State Transporter's ID							
6. Transporter 1 US EPA ID Number <b>OR 16 11 40191920216811</b>						D. Transporter's Phone <b>503 454 2643</b>							
7. Transporter 2 Company Name						E. State Transporter's ID							
8. Transporter 2 US EPA ID Number						F. Transporter's Phone							
9. Designated Facility Name and Site Address <b>CHEMICAL WASTE MANAGEMENT OF THE NORTHWEST, INC. 17629 CEDAR SPRINGS LANE ARLINGTON, OR 97812-9709</b>						G. State Facility's ID							
10. US EPA ID Number <b>OR D 0 8 9 4 5 2 3 5 3</b>						H. Facility's Phone <b>(503) 454-2643</b>							
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity		14. Unit Wt/Vol		EPA/ I. Waste No.	
a. <b>Non Regulated per 49 CFR</b>						No.		Type				K 0 0 1	
						0 0 1		N T		0 0 1 0 2 2 T			
J. Additional Descriptions for Materials Listed Above						K. Handling Codes for Wastes Listed Above							
a. <b>BB8834</b>						<b>CAMPS 2.0a</b>							
b.													
c.													
d.													
15. Special Handling Instructions and Additional Information													
a. <b>Chemtec: (800)424-9300; CWM 24-Hour Emergency Info.#: (800)765-8713.</b>													
c.													
d.													
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.													
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Printed/Typed Name <b>LARRY PATTERSON</b>				Signature <i>Larry Patterson</i>				Month Day Year <b>08 12 94</b>					
17. Transporter 1 Acknowledgement of Receipt of Materials													
Printed/Typed Name <b>TOMMY RUISE</b>				Signature <i>Tommy Ruise</i>				Month Day Year <b>08 23 94</b>					
18. Transporter 2 Acknowledgement of Receipt of Materials													
Printed/Typed Name				Signature				Month Day Year					
19. Discrepancy Indication Space													
20. Facility Owner or Operator. Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.													
Printed/Typed Name				Signature				Month Day Year					

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<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. ORD0101910311840172032		Manifest Document No. 12032	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.		
3. Generator's Name and Mailing Address Elf Atochem North America, Inc. P.O. Box 4109 Portland, OR 97208					A. State Manifest Document Number			
4. Generator's Phone (503) 225-7210					B. State Generator's ID			
5. Transporter 1 Company Name CHEM WASTE					6. US EPA ID Number ILU0992102681		C. State Transporter's ID	
7. Transporter 2 Company Name					8. US EPA ID Number		D. Transporter's Phone 503 454 2643	
9. Designated Facility Name and Site Address CHEMICAL WASTE MANAGEMENT OF THE NORTHWEST, INC. 17629 CEDAR SPRINGS LANE ARLINGTON, OR 97812-9709					10. US EPA ID Number ORD089452353		E. State Transporter's ID	
							F. Transporter's Phone	
							G. State Facility's ID	
							H. Facility's Phone (503) 454-2643	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)					12. Containers	13. Total Quantity	14. Unit Wt/Vol	EPA / I Waste No.
a. Non Regulated per 49 CFR					No.	Type		
					001	DT	00022	X001
b.								
c.								
d.								
J. Additional Descriptions for Materials Listed Above a. BB8834.					CAMPS 2.0a		K. Handling Codes for Wastes Listed Above	
b.								
c.								
d.								
15. Special Handling Instructions and Additional Information Chemrec: (800) 424-9300; CWM 24-hour Emergency Info. #: (800) 765-8713.								
b.								
c.								
d.								
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.  If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.					Printed/Typed Name LARRY PETERSON		Signature <i>Larry Peterson</i>	Month Day Year 08 23 94
17. Transporter 1 Acknowledgement of Receipt of Materials					Printed/Typed Name James M. Hansen		Signature <i>James M. Hansen</i>	Month Day Year 08 23 94
18. Transporter 2 Acknowledgement of Receipt of Materials					Printed/Typed Name		Signature	Month Day Year
19. Discrepancy Indication Space								
20. Facility Owner or Operator. Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.					Printed/Typed Name		Signature	Month Day Year

GENERATORS COPY

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

Form Approved. OMB No. 2050-0039. Expires 9-30-94

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. 0R D 0 0 9 0 3 1 8 4 0 9 7 0 3 9		Manifest Document No. 0 0 1 0 0 0 0 2 2 T		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.							
3. Generator's Name and Mailing Address <b>Elf Atochem North America, Inc. P.O. Box 4109 Portland OR 97208</b>						A. State Manifest Document Number									
						B. State Generator's ID									
4. Generator's Phone ( <b>503 225-7210</b>						C. State Transporter's ID									
5. Transporter 1 Company Name <b>FOSS ENVIRONMENTAL</b>						6. US EPA ID Number 0R D 0 0 7 0 7 3 0 3 9 5									
7. Transporter 2 Company Name						D. Transporter's Phone <b>503 283 1150</b>									
8. US EPA ID Number						E. State Transporter's ID									
9. Designated Facility Name and Site Address <b>CHEMICAL WASTE MANAGEMENT OF THE NORTHWEST, INC. 17629 CEDAR SPRINGS LANE ARLINGTON, OR 97812-9709</b>						10. US EPA ID Number 0R D 0 8 9 4 5 2 3 5 3									
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity		14. Unit Wt/Vol		EPA/I. Waste No.			
a. <b>Non Regulated per 49 CFR</b>						No.		Type							
						0 0 1		D T		0 2 2		T		X 0 0 1	
J. Additional Descriptions for Materials Listed Above a. <b>BB6834.</b>						K. Handling Codes for Wastes Listed Above <b>CANPS-2.0a</b>									
15. Special Handling Instructions and Additional Information a. <b>Chemrec: (800)424-9300; CWM 24-Hour Emergency Info.#: (800)765-8713.</b>															
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.  If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.															
Printed/Typed Name <b>LARRY PATTERSON</b>				Signature <i>Larry Patterson</i>		Month Day Year <b>02 18 23 94</b>									
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name <b>Benny Walls</b>				Signature <i>Benny Walls</i>		Month Day Year <b>02 18 23 94</b>									
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name				Signature		Month Day Year									
19. Discrepancy Indication Space															
20. Facility Owner or Operator. Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.															
Printed/Typed Name				Signature		Month Day Year									

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

Form Approved. OMB No. 2050-0039. Expires 9-30-94

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. OR D 10 19 0 13 1 18 4 0 19 7 0 7 0		Manifest Document No. 7070	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.						
3. Generator's Name and Mailing Address Elf Atochem North America, Inc. P.O. Box 4109 Portland, OR 97208					A. State Manifest Document Number							
4. Generator's Phone ( 503) 225-7210					B. State Generator's ID							
5. Transporter 1 Company Name FOSS ENVIRONMENTAL SOLS.			6. US EPA ID Number OR D 10 7 0 7 3 0 3 9 5		C. State Transporter's ID							
7. Transporter 2 Company Name			8. US EPA ID Number		D. Transporter's Phone (503) 253 1150							
9. Designated Facility Name and Site Address CHEMICAL WASTE MANAGEMENT OF THE NORTHWEST, INC. 17629 CEDAR SPRINGS LANE ARLINGTON, OR 97812-9709					10. US EPA ID Number OR D 0 8 9 4 5 2 3 5 3							
					E. State Transporter's ID							
					F. Transporter's Phone							
					G. State Facility's ID							
					H. Facility's Phone (503) 454-2643							
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)					12. Containers		13. Total Quantity		14. Unit Wt/Vol		EPA/I Waste No.	
a. Non Regulated per 49 CFR					No. Type							
					0 0 1 D T		000 22 T				X 0 0 1	
b.												
c.												
d.												
J. Additional Descriptions for Materials Listed Above a. BB8834.					CAMPS 2:0a		K. Handling Codes for Wastes Listed Above					
b.												
c.												
d.												
15. Special Handling Instructions and Additional Information Chemtec: (800) 424-9300; CWA 24-hour Emergency Info. #: (800) 765-8713.												
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.  If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.												
Printed/Typed Name LARRY PATTERSON					Signature <i>Larry Patterson</i>				Month Day Year 08 23 94			
17. Transporter 1 Acknowledgement of Receipt of Materials												
Printed/Typed Name Bob [unclear]					Signature <i>Bob [unclear]</i>				Month Day Year 08 23 94			
18. Transporter 2 Acknowledgement of Receipt of Materials												
Printed/Typed Name					Signature				Month Day Year			
19. Discrepancy Indication Space												
20. Facility Owner or Operator. Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.												
Printed/Typed Name					Signature				Month Day Year			

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Form Approved. OMB No. 2050-0039. Expires 9-30-94

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. <b>OR D 0 0 9 1 0 3 1 1 8 1 0 1 7 2 1 0 4 1</b>		Manifest Document No. <b>1721041</b>		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.					
3. Generator's Name and Mailing Address <b>Elf Atochem North America, Inc. P.O. Box 4109 Portland, OR 97208</b>						A. State Manifest Document Number							
4. Generator's Phone ( <b>503 225-7210</b> )						B. State Generator's ID							
5. Transporter 1 Company Name <b>JACK GRAY TRANSPORT</b>				6. US EPA ID Number <b>IN 0 0 4 2 5 3 4 8 7 5</b>		C. State Transporter's ID							
7. Transporter 2 Company Name						D. Transporter's Phone <b>1 8 0 0 7 7 2 9 3 0 7</b>							
9. Designated Facility Name and Site Address <b>CHEMICAL WASTE MANAGEMENT OF THE NORTHWEST, INC. 17629 CEDAR SPRINGS LANE ARLINGTON, OR 97812-9709</b>						E. State Transporter's ID							
10. US EPA ID Number <b>OR D 0 8 9 4 5 2 3 5 3</b>						F. Transporter's Phone							
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) <b>a. Non Regulated per 49 CFR</b>						12. Containers No. Type		13. Total Quantity		14. Unit Wt./Vol.		EPA/I. Waste No.	
						<b>0 0 3 0 T 0 0 0 3 1 T</b>						<b>X 0 0 1</b>	
J. Additional Descriptions for Materials Listed Above <b>a. BB8834</b>						K. Handling Codes for Wastes Listed Above <b>CAMPS 2.0a</b>							
15. Special Handling Instructions and Additional Information <b>a. Chemrec: (800)424-9300; CWM 24-Hour Emergency Info.#: (800)765-8713.</b>													
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.  If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.													
Printed/Typed Name <b>LARRY PATTERSON</b>						Signature <i>Larry Patterson</i>						Month Day Year <b>12 13 14</b>	
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name <b>JAMES R. KARN</b>						Signature <i>James R. Karn</i>						Month Day Year <b>12 13 14</b>	
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name						Signature						Month Day Year	
19. Discrepancy Indication Space													
20. Facility Owner or Operator. Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.													
Printed/Typed Name						Signature						Month Day Year	

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

1858-2

Form Approved. OMB No. 2050-0039. Expires 9-30-94

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. <b>OR D 0 0 9 0 3 1 8 4 0 9 1 7 0 7 2</b>	Manifest Document No. <b>7 0 7 2</b>	2. Page 1 of <b>1</b>	Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address <b>Elf Atochem North America, Inc. P.O. Box 4109 Portland, OR 97208</b>				A. State Manifest Document Number		
4. Generator's Phone ( <b>503 225-7210</b> )				B. State Generator's ID		
5. Transporter 1 Company Name <b>JACK GARY TRANSPORT</b>		6. US EPA ID Number <b>IND 0 4 2 5 3 4 8 7 5</b>		C. State Transporter's ID		
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone <b>800 772 9307</b>		
9. Designated Facility Name and Site Address <b>CHEMICAL WASTE MANAGEMENT OF THE NORTHWEST, INC. 17629 CEDAR SPRINGS LANE ARLINGTON, OR 97812-9709</b>				G. State Facility's ID		
10. US EPA ID Number <b>OR D 0 8 9 4 5 2 3 5 3</b>				H. Facility's Phone <b>(503) 454-2643</b>		
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers	13. Total Quantity	14. Unit Wt./Vol
a. <b>Non Regulated per 49 CFR</b>				No.	Type	EPA / I. Waste No.
b. <b>0 0 2 D T 0 0 0 3 1 T</b>						<b>X 0 0 1</b>
c.						
d.						
J. Additional Descriptions for Materials Listed Above a. <b>BB8834</b>				K. Handling Codes for Wastes Listed Above		
b.						
c.						
d.						
15. Special Handling Instructions and Additional Information <b>Chemtec: (800) 424-9300; CWM 24-Hour Emergency Info.#: (800) 765-8713.</b>						
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.						
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Printed/Typed Name <b>LARRY PATTERSON</b>			Signature <i>Larry Patterson</i>		Month Day Year <b>08 23 94</b>	
17. Transporter 1 Acknowledgement of Receipt of Materials						
Printed/Typed Name <b>GARY THOMSON</b>			Signature <i>Gary Thomson</i>		Month Day Year <b>08 23 94</b>	
18. Transporter 2 Acknowledgement of Receipt of Materials						
Printed/Typed Name			Signature		Month Day Year	
19. Discrepancy Indication Space						
20. Facility Owner or Operator. Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.						
Printed/Typed Name			Signature		Month Day Year	

GENERATORS COPY

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

Form Approved. OMB No. 2050-0039. Expires 9-30-94

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. ORID10109103118141019410413		Manifest Document No. 1010413		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.					
3. Generator's Name and Mailing Address <b>Elf Atochem North America, Inc.</b> P.O. Box 4109 Portland, OR 97208						A. State Manifest Document Number							
4. Generator's Phone (503) 225-7210						B. State Generator's ID							
5. Transporter 1 Company Name <b>JACK GARY TRANSPORT</b>			6. US EPA ID Number IWD042534875			C. State Transporter's ID							
7. Transporter 2 Company Name						D. Transporter's Phone 1800 772 9307							
8. US EPA ID Number						E. State Transporter's ID							
9. Designated Facility Name and Site Address <b>CHEMICAL WASTE MANAGEMENT OF THE NORTHWEST, INC.</b> 17629 CEDAR SPRINGS LANE ARLINGTON, OR 97812-9709						F. Transporter's Phone							
10. US EPA ID Number ORID089452353						G. State Facility's ID							
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity		14. Unit Wt./Vol		EPA/I. Waste No.	
a. Non Regulated per 49 CFR						No. Type							
						0 0 3 D T 0 1 0 1 3 2 T						X 0 0 1	
b.													
c.													
d.													
J. Additional Descriptions for Materials Listed Above a. BB8834. b. CAMPS 2.0a						K. Handling Codes for Wastes Listed Above							
15. Special Handling Instructions and Additional Information a. Chemrec: (800)424-9300; CWM 24-Hour Emergency Info.#: (800)765-8713. c. d.													
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.  If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.													
Printed/Typed Name <b>LARRY PATTERSON</b>			Signature <i>Larry Patterson</i>			Month Day Year 12 12 13 19 4							
17. Transporter 1 Acknowledgement of Receipt of Materials													
Printed/Typed Name <b>NOLSON RAGLI</b>			Signature <i>Nelson Ragli</i>			Month Day Year 12 13 19 4							
18. Transporter 2 Acknowledgement of Receipt of Materials													
Printed/Typed Name			Signature			Month Day Year							
19. Discrepancy Indication Space													
20. Facility Owner or Operator. Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.													
Printed/Typed Name			Signature			Month Day Year							

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<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. ORD0090311840		Manifest Document No. 97047		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.		
3. Generator's Name and Mailing Address Elf Atochem North America, Inc. P.O. Box 4109 Portland, OR 97208						A. State Manifest Document Number				
4. Generator's Phone (503) 225-7210						B. State Generator's ID				
5. Transporter 1 Company Name CHEMICAL WASTE MANAGEMENT, INC.			6. US EPA ID Number FLD099202681			C. State Transporter's ID				
7. Transporter 2 Company Name						D. Transporter's Phone 503 454 2643				
8. US EPA ID Number						E. State Transporter's ID				
9. Designated Facility Name and Site Address CHEMICAL WASTE MANAGEMENT OF THE NORTHWEST, INC. 17629 CEDAR SPRINGS LANE ARLINGTON, OR 97812-9709						G. State Facility's ID				
10. US EPA ID Number ORD089452353						H. Facility's Phone (503) 454-2643				
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity	14. Unit Wt/Vol	EPA/I. Waste No.
a. Non Regulated per 49 CFR						No. Type				
						0 0 1 D T		0 0 0 2 2 T		X 0 0 1
b.										
c.										
d.										
J. Additional Descriptions for Materials Listed Above a. BB8834						CANPS 2.0a		K. Handling Codes for Wastes Listed Above		
b.										
c.										
d.										
15. Special Handling Instructions and Additional Information Chemtrec: (800) 424-9300; CWA 24-hour Emergency Info. #: (800) 765-8713.										
b.										
c.										
d.										
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Printed/Typed Name LARRY PATTERSON			Signature <i>Larry Patterson</i>			Month Day Year 08 24 94				
17. Transporter 1 Acknowledgement of Receipt of Materials										
Printed/Typed Name James W. Nassing			Signature <i>James W. Nassing</i>			Month Day Year 10 8 24 94				
18. Transporter 2 Acknowledgement of Receipt of Materials										
Printed/Typed Name			Signature			Month Day Year				
19. Discrepancy Indication Space										
20. Facility Owner or Operator. Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.										
Printed/Typed Name			Signature			Month Day Year				

PA Form 8700-22 (Rev. 9-91) Previous editions are obsolete.

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Form Approved. OMB No. 2050-0039. Expires 9-30-94

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. OR D 0 0 9 0 3 1 8 4 0 9 1 0 1 5		Manifest Document No. 101815		2. Page 1 of		Information in the shaded areas is not required by Federal law.					
3. Generator's Name and Mailing Address Elf Atochem North America, Inc. P.O. Box 4109 Portland, OR 97208						A. State Manifest Document Number							
4. Generator's Phone (503) 225-7210						B. State Generator's ID							
5. Transporter 1 Company Name JACK GARY TRANSPORT			6. US EPA ID Number IM D 0 4 2 5 3 4 8 7 5			C. State Transporter's ID							
7. Transporter 2 Company Name						D. Transporter's Phone 18007729307							
9. Designated Facility Name and Site Address CHEMICAL WASTE MANAGEMENT OF THE NORTHWEST, INC. 17629 CEDAR SPRINGS LANE ARLINGTON, OR 97812-9709						10. US EPA ID Number OR D 0 8 9 4 5 2 3 5 3							
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) a. Non Regulated per 49 CFR						12. Containers No. Type		13. Total Quantity		14. Unit Wt./Vol		EPA/1. Waste No.	
						0 0 2 0 1 0 0 0 3 1		T		X 0 0 1			
J. Additional Descriptions for Materials Listed Above a. BB8834.						K. Handling Codes for Wastes Listed Above CAMPS 2-08							
15. Special Handling Instructions and Additional Information a. Chemtec: (800)424-9300; CWM 24-Hour Emergency Info.#: (800)765-8713.													
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.  If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.													
Printed/Typed Name LARRY PETERSON			Signature <i>Larry Peterson</i>			Month Day Year 10 8 2 4 9 4							
17. Transporter 1 Acknowledgement of Receipt of Materials						Signature <i>James R. Karn</i>			Month Day Year 10 8 2 4 9 4				
18. Transporter 2 Acknowledgement of Receipt of Materials						Signature			Month Day Year				
19. Discrepancy Indication Space													
20. Facility Owner or Operator. Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.						Signature			Month Day Year				

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

Form Approved. OMB No. 2050-0039. Expires 9-30-94

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. OR D 0 0 1 9 0 3 1 1 8 4 0 1 7 1 0 7 1 6		Manifest Document No. 1710716	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.		
3. Generator's Name and Mailing Address Elf Atochem North America, Inc. P.O. Box 4109 Portland, OR 97208					A. State Manifest Document Number			
4. Generator's Phone ( 503 225-7210					B. State Generator's ID			
5. Transporter 1 Company Name FOSS ENVIRONMENTAL			6. US EPA ID Number OR D 0 7 0 7 3 0 3 9 5		C. State Transporter's ID			
7. Transporter 2 Company Name					D. Transporter's Phone 503 283 1150			
8. US EPA ID Number					E. State Transporter's ID			
9. Designated Facility Name and Site Address CHEMICAL WASTE MANAGEMENT OF THE NORTHWEST, INC. 17629 CEDAR SPRINGS LANE ARLINGTON, OR 97812-9709					G. State Facility's ID			
10. US EPA ID Number OR D 0 8 9 4 5 2 3 5 3					H. Facility's Phone (503) 454-2643			
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)					12. Containers	13. Total Quantity	14. Unit	EPA / I.
a. Non Regulated per 49 CFR					No.	Type	Wt/Vol	Waste No.
					0 0 1	D T	49022 T	X 0 0 1
b.								
c.								
d.								
J. Additional Descriptions for Materials Listed Above					K. Handling Codes for Wastes Listed Above			
a. BB883A					CAMPS 2.06			
b.								
c.								
d.								
15. Special Handling Instructions and Additional Information Chemtrec: (800) 424-9300; CWA 24-Hour Emergency Info. #: (800) 765-8713.								
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.  If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.								
Printed/Typed Name LARRY PATTERSON				Signature <i>Larry Patterson</i>		Month Day Year 08 2 4 9 4		
17. Transporter 1 Acknowledgement of Receipt of Materials				Signature		Month Day Year		
Printed/Typed Name Bobby Walls				Signature <i>Bobby Walls</i>		08 2 4 9 4		
18. Transporter 2 Acknowledgement of Receipt of Materials				Signature		Month Day Year		
Printed/Typed Name				Signature		Month Day Year		
19. Discrepancy Indication Space								
20. Facility Owner or Operator. Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.								
Printed/Typed Name				Signature		Month Day Year		

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

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<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. ORD0009031184097087		Manifest Document No.		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.					
3. Generator's Name and Mailing Address Elf Atochem North America, Inc. P.O. Box 4109 Portland, OR 97208						A. State Manifest Document Number							
4. Generator's Phone (503) 225-7210						B. State Generator's ID							
5. Transporter 1 Company Name FOSS ENVIRONMENTAL				6. US EPA ID Number ORD0070730395		C. State Transporter's ID							
7. Transporter 2 Company Name				8. US EPA ID Number		D. Transporter's Phone (503) 283-1150							
9. Designated Facility Name and Site Address CHEMICAL WASTE MANAGEMENT OF THE NORTHWEST, INC. 17629 CEDAR SPRINGS LANE ARLINGTON, OR 97812-9709						G. State Facility's ID							
10. US EPA ID Number ORD0089452353						H. Facility's Phone (503) 454-2643							
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity		14. Unit Wt/Vol		EPA / I. Waste No.	
a. Non Regulated per 49 CFR						0101010001016 T						8001	
b.													
c.													
d.													
J. Additional Descriptions for Materials Listed Above a. BB8834. CAMPS 2.0a						K. Handling Codes for Wastes Listed Above							
b.													
c.													
d.													
15. Special Handling Instructions and Additional Information a. Chemrec: (800)424-9300; CWM 24-Hour Emergency Info.#: (800)765-8713.													
b.													
c.													
d.													
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Printed/Typed Name LARRY PATTERSON					Signature <i>Larry Patterson</i>					Month Day Year 08/24/94			
17. Transporter 1 Acknowledgement of Receipt of Materials													
Printed/Typed Name Rob Amussen					Signature <i>Rob Amussen</i>					Month Day Year 10/24/94			
18. Transporter 2 Acknowledgement of Receipt of Materials													
Printed/Typed Name					Signature					Month Day Year			
19. Discrepancy Indication Space													
20. Facility Owner or Operator. Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.													
Printed/Typed Name					Signature					Month Day Year			

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Form Approved. OMB No. 2050-0039. Expires 9-30-94

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. 020009031940172012		Manifest Document No. 972012	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.		
3. Generator's Name and Mailing Address Elf Atochem North America, Inc. P.O. Box 4109 Portland, OR 97208					A. State Manifest Document Number			
4. Generator's Phone ( 503 225-7210					B. State Generator's ID			
5. Transporter 1 Company Name Jack Gray Transport					6. US EPA ID Number T1AD042534875		C. State Transporter's ID	
7. Transporter 2 Company Name					8. US EPA ID Number		D. Transporter's Phone 800 772 9307	
9. Designated Facility Name and Site Address CHEMICAL WASTE MANAGEMENT OF THE NORTHWEST, INC. 17629 CEDAR SPRINGS LANE ARLINGTON, OR 97812-9709					10. US EPA ID Number 0R D 0 8 9 4 5 2 3 5 3		E. State Transporter's ID	
							F. Transporter's Phone	
							G. State Facility's ID	
							H. Facility's Phone (503)454-2643	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)					12. Containers	13. Total Quantity	14. Unit Wt/Vol	EPA / I. Waste No.
a. Non Regulated per 49 CFR					No. Type			
					0 0 2 D T O	00314 T		8001
b.								
c.								
d.								
J. Additional Descriptions for Materials Listed Above a. BB8834. b. c. d.					K. Handling Codes for Wastes Listed Above CAMPS 2.0a			
15. Special Handling Instructions and Additional Information a. Chemtrec: (800)424-9300; CWM 24-Hour Emergency Info.#: (800)765-8713. b. c. d.								
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.  If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.								
Printed/Typed Name LARRY PATTERSON				Signature <i>Larry Patterson</i>		Month Day Year 08 29 94		
17. Transporter 1 Acknowledgement of Receipt of Materials								
Printed/Typed Name JAMES R. KARN				Signature <i>James R. Karn</i>		Month Day Year 08 29 94		
18. Transporter 2 Acknowledgement of Receipt of Materials								
Printed/Typed Name				Signature		Month Day Year		
19. Discrepancy Indication Space								
20. Facility Owner or Operator. Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.								
Printed/Typed Name				Signature		Month Day Year		

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Form Approved. OMB No. 2050-0039. Expires 9-30-94

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. OR D 0 0 9 0 3 1 9 4 0 9 2 0 8 9		Manifest Document No. 9 2 0 8 9		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.					
3. Generator's Name and Mailing Address Elf Atochem North America, Inc. P.O. Box 4109 Portland, OR 97208						A. State Manifest Document Number							
4. Generator's Phone ( 503 ) 225-7210						B. State Generator's ID							
5. Transporter 1 Company Name Foss Environmental Svc						C. State Transporter's ID							
6. US EPA ID Number OR D 0 7 0 7 3 0 3 9 5						D. Transporter's Phone 503 283-1150							
7. Transporter 2 Company Name						E. State Transporter's ID							
8. US EPA ID Number						F. Transporter's Phone							
9. Designated Facility Name and Site Address CHEMICAL WASTE MANAGEMENT OF THE NORTHWEST, INC. 17629 CEDAR SPRINGS LANE ARLINGTON, OR 97812-9709						G. State Facility's ID							
10. US EPA ID Number OR D 0 8 9 4 5 2 3 5 3						H. Facility's Phone (503)454-2643							
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity		14. Unit Wt/Vol		EPA/I. Waste No.	
a. Non Regulated per 49 CFR						No. Type							
						0 0 1 D T		0 0 0 2 2 T				X 0 0 1	
b.													
c.													
d.													
J. Additional Descriptions for Materials Listed Above a. BB8834 b. c. d.						K. Handling Codes for Wastes Listed Above CAMPS 2-0a							
15. Special Handling Instructions and Additional Information Chemtec: (800)424-9300; CWM 24-Hour Emergency Info.#: (800)765-8713. b. c. d.													
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.  If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.													
Printed/Typed Name LARRY FARRER						Signature <i>Larry Farrer</i>						Month Day Year 08 27 94	
17. Transporter 1 Acknowledgement of Receipt of Materials													
Printed/Typed Name Mark Hammond						Signature <i>Mark Hammond</i>						Month Day Year	
18. Transporter 2 Acknowledgement of Receipt of Materials													
Printed/Typed Name						Signature						Month Day Year	
19. Discrepancy Indication Space													
20. Facility Owner or Operator. Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.													
Printed/Typed Name						Signature						Month Day Year	

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<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. OR D 0 0 9 0 3 1 8 4 0 7 7 6 5 0		Manifest Document No. 1650	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.		
3. Generator's Name and Mailing Address Elf Atochem North America, Inc. P.O. Box 4109 Portland, OR 97208					A. State Manifest Document Number			
4. Generator's Phone (503) 225-7210					B. State Generator's ID			
5. Transporter 1 Company Name Chemical Waste Management Inc.			6. US EPA ID Number IL D 0 9 9 2 0 2 6 8 1		C. State Transporter's ID			
7. Transporter 2 Company Name			8. US EPA ID Number		D. Transporter's Phone (503) 454-2643			
9. Designated Facility Name and Site Address CHEMICAL WASTE MANAGEMENT OF THE NORTHWEST, INC. 17629 CEDAR SPRINGS LANE ARLINGTON, OR 97812-9709					G. State Facility's ID			
10. US EPA ID Number OR D 0 8 9 4 5 2 3 5 3					H. Facility's Phone (503) 454-2643			
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)					12. Containers No.	13. Total Quantity	14. Unit Wt/Vo	EPA/1 Waste No.
a. Non Regulated per 49 CFR					0 0 1	DOT 000 1 1 3	T	X 0 0 1
b.								
c.								
d.								
J. Additional Descriptions for Materials Listed Above a. BB8634. b. c. d.					K. Handling Codes for Wastes Listed Above CAMPS 2.0a			
15. Special Handling Instructions and Additional Information a. Chemtec: (800)424-9300; CWM 24-Hour Emergency Info.#: (800)765-8713. b. c. d.								
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.  If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.								
Printed/Typed Name LARRY PATTERSON				Signature <i>Larry Patterson</i>		Month Day Year 08 29 94		
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Ron Evans				Signature <i>Ron Evans</i>		Month Day Year 10 12 94		
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name				Signature		Month Day Year		
19. Discrepancy Indication Space								
20. Facility Owner or Operator. Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.								
Printed/Typed Name				Signature		Month Day Year		

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<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. OR D 0 0 9 0 3 1 8 4 0 7 2 8 5 1		Manifest Document No. 2 8 5 1		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.		
3. Generator's Name and Mailing Address Elf Atochem North America, Inc. P.O. Box 4109 Portland, OR 97208						A. State Manifest Document Number				
4. Generator's Phone (503) 225-7210						B. State Generator's ID				
5. Transporter 1 Company Name Jack Gray Transport				6. US EPA ID Number IND 0 4 2 5 3 4 8 7 5		C. State Transporter's ID				
7. Transporter 2 Company Name				8. US EPA ID Number		D. Transporter's Phone 1 8 0 0 7 7 2 9 3 0 7				
9. Designated Facility Name and Site Address CHEMICAL WASTE MANAGEMENT OF THE NORTHWEST, INC. 17629 CEDAR SPRINGS LANE ARLINGTON, OR 97812-9709						10. US EPA ID Number OR D 0 8 9 4 5 2 3 5 3		G. State Facility's ID		
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity	14. Unit Wt/Vol	EPA / I Waste No.
a. Non Regulated per 49 CFR						No. Type 0 1 0 2 D T		0 0 3 2 T		X 0 0 1
b.										
c.										
d.										
J. Additional Descriptions for Materials Listed Above a. BB8834 b. c. d.						KAMP5 2.0a		K. Handling Codes for Wastes Listed Above		
15. Special Handling Instructions and Additional Information a. Chemtrec: (800)424-9300; CWM 24-Hour Emergency Info.#: (800)765-8713. b. c. d.										
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.  If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.										
Printed/Typed Name LARRY PATTERSON				Signature <i>Larry Patterson</i>				Month Day Year 08 29 94		
17. Transporter 1 Acknowledgement of Receipt of Materials										
Printed/Typed Name Nelson Acgle				Signature <i>Nelson Acgle</i>				Month Day Year 08 29 94		
18. Transporter 2 Acknowledgement of Receipt of Materials										
Printed/Typed Name				Signature				Month Day Year		
19. Discrepancy Indication Space										
20. Facility Owner or Operator. Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.										
Printed/Typed Name				Signature				Month Day Year		

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<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. OR D 0 0 9 0 3 1 8 4 0		Manifest Document No. 9781052	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.		
3. Generator's Name and Mailing Address Elf Atochem North America, Inc. P.O. Box 4109 Portland, OR 97208					A. State Manifest Document Number			
4. Generator's Phone (503) 225-7210					B. State Generator's ID			
5. Transporter 1 Company Name Jack Gray Transport			6. US EPA ID Number IIN D042534875		C. State Transporter's ID			
7. Transporter 2 Company Name			8. US EPA ID Number		D. Transporter's Phone 1800772930			
9. Designated Facility Name and Site Address CHEMICAL WASTE MANAGEMENT OF THE NORTHWEST, INC. 17629 CEDAR SPRINGS LANE ARLINGTON, OR 97812-9709					G. State Facility's ID			
10. US EPA ID Number OR D 0 8 9 4 5 2 3 5 3					H. Facility's Phone (503) 454-2643			
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)					12. Containers No.	13. Total Quantity	14. Unit Wt./Vol	EPA/I Waste No.
a. Non Regulated per 49 CFR					002	DT00031	T	X001
b.								
c.								
d.								
J. Additional Descriptions for Materials Listed Above a. BB8834 CAMS 2.0a					K. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information Chemtrec: (800)424-9300; CWH 24-Hour Emergency Info.#: (800)765-8713.								
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.  If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.								
Printed/Typed Name LARRY PATTERSON				Signature <i>Larry Patterson</i>		Month Day Year 083094		
17. Transporter 1 Acknowledgement of Receipt of Materials								
Printed/Typed Name JAMES R. KARN				Signature <i>James R. Karn</i>		Month Day Year 083094		
18. Transporter 2 Acknowledgement of Receipt of Materials								
Printed/Typed Name <i>JR</i>				Signature		Month Day Year		
19. Discrepancy Indication Space								
20. Facility Owner or Operator. Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.								
Printed/Typed Name				Signature		Month Day Year		

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Form Approved, OMB No. 2050-0039, Expires 9-30-94

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. OR D 0 0 9 0 3 1 1 8 4 0 9 4 1 3		Manifest Document No. 1821		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.					
3. Generator's Name and Mailing Address Elf Atochem North America, Inc. P.O. Box 4109 Portland, OR 97208						A. State Manifest Document Number							
4. Generator's Phone (503) 225-7210						B. State Generator's ID							
5. Transporter 1 Company Name Jack Gray Transport			6. US EPA ID Number IND 0 4 2 5 3 4 8 7 5			C. State Transporter's ID							
7. Transporter 2 Company Name			8. US EPA ID Number			D. Transporter's Phone 1 8 0 0 7 1 2 9 3 0 7							
9. Designated Facility Name and Site Address CHEMICAL WASTE MANAGEMENT OF THE NORTHWEST, INC. 17629 CEDAR SPRINGS LANE ARLINGTON, OR 97812-9709						G. State Facility's ID							
10. US EPA ID Number O R D 0 8 9 4 5 2 3 5 3						H. Facility's Phone (503) 454-2643							
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity		14. Unit Wt/Vol		EPA / Waste No.	
a. Non Regulated per 49 CFR						No. Type						X 0 0 1	
b.													
c.													
d.													
J. Additional Descriptions for Materials Listed Above a. BB8634.						K. Handling Codes for Wastes Listed Above CAMP 2.0a							
15. Special Handling Instructions and Additional Information Chemtec: (800) 424-9300; CWM 24-Hour Emergency Info.#: (800) 765-8713.													
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.  If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.						Printed/Typed Name LARRY PETERSON		Signature <i>Larry Peterson</i>		Month Day Year 08 30 94			
17. Transporter 1 Acknowledgement of Receipt of Materials						Printed/Typed Name Gregg Heriford		Signature <i>Gregg Heriford</i>		Month Day Year 08 30 94			
18. Transporter 2 Acknowledgement of Receipt of Materials						Printed/Typed Name		Signature		Month Day Year			
19. Discrepancy Indication Space													
20. Facility Owner or Operator. Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.						Printed/Typed Name		Signature		Month Day Year			

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<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. ORID001910311814017176157		Manifest Document No. 176157		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.					
3. Generator's Name and Mailing Address Elf Atochem North America, Inc. P.O. Box 4109 Portland, OR 97208						A. State Manifest Document Number							
4. Generator's Phone ( 503 225-7210						B. State Generator's ID							
5. Transporter 1 Company Name Jack Gray Transport						C. State Transporter's ID							
6. US EPA ID Number IND042534875						D. Transporter's Phone 18007729307							
7. Transporter 2 Company Name						E. State Transporter's ID							
8. US EPA ID Number						F. Transporter's Phone							
9. Designated Facility Name and Site Address CHEMICAL WASTE MANAGEMENT OF THE NORTHWEST, INC. 17629 CEDAR SPRINGS LANE ARLINGTON, OR 97812-9709						10. US EPA ID Number ORID089452353							
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) a. Non Regulated per 49 CFR						12. Containers No. Type		13. Total Quantity		14. Unit Wt/Vol		EPA / I. Waste No.	
						0 0 2 D I 0 0 0 3 2 T				8 0 0 1			
J. Additional Descriptions for Materials Listed Above a. BB8834.						CAMPS 2.08				K. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information Chemtrec: (800)424-9300; CWM 24-Hour Emergency Info.#: (800)765-8713.													
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.  If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.													
Printed/Typed Name LARRY PATTERSON						Signature <i>Larry Patterson</i>				Month Day Year 08 30 94			
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name MELBA RAGLE						Signature <i>Melba Ragle</i>				Month Day Year 08 30 94			
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name						Signature				Month Day Year			
19. Discrepancy Indication Space													
20. Facility Owner or Operator. Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. Printed/Typed Name													
Signature						Month Day Year							

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<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. OR D 0 0 9 0 3 1 8 4 0 1 7 0 5 1		Manifest Document No. 17051		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.		
3. Generator's Name and Mailing Address Elf Atochem North America, Inc. P.O. Box 4109 Portland, OR 97208						A. State Manifest Document Number				
4. Generator's Phone (503) 225-7210						B. State Generator's ID				
5. Transporter 1 Company Name Jack Gray Transport				6. US EPA ID Number OR D 0 0 4 2 5 3 4 8 7 5		C. State Transporter's ID				
7. Transporter 2 Company Name				8. US EPA ID Number		D. Transporter's Phone (503) 772-9307				
9. Designated Facility Name and Site Address CHEMICAL WASTE MANAGEMENT OF THE NORTHWEST, INC. 17629 CEDAR SPRINGS LANE ARLINGTON, OR 97812-9709						G. State Facility's ID				
10. US EPA ID Number OR D 0 8 9 4 5 2 3 5 3						H. Facility's Phone (503) 454-2683				
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity	14. Unit Wt/Vol	EPA/I. Waste No.
a. Non Regulated per 49 CFR						0 0 2		D T	0 0 0 3 1 1 T	X 0 0 1
b.										
c.										
d.										
J. Additional Descriptions for Materials Listed Above						K. Handling Codes for Wastes Listed Above				
a. BB0034						CANPS 2.0a				
b.										
c.										
d.										
15. Special Handling Instructions and Additional Information										
a. Chemtrec: (800)424-9300; CWM 24-Hour Emergency Info.#: (800)765-8713.										
c.										
d.										
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Printed/Typed Name LARRY PATTERSON				Signature <i>Larry Patterson</i>		Month Day Year 10 8 30 19 94				
17. Transporter 1 Acknowledgement of Receipt of Materials										
Printed/Typed Name James R. Kamm				Signature <i>James R. Kamm</i>		Month Day Year 11 16 30 19 94				
18. Transporter 2 Acknowledgement of Receipt of Materials										
Printed/Typed Name				Signature		Month Day Year				
19. Discrepancy Indication Space										
20. Facility Owner or Operator. Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.										
Printed/Typed Name				Signature		Month Day Year				

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<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. ORD0090311840		Manifest Document No. 974056		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.					
3. Generator's Name and Mailing Address Elf Atochem North America, Inc. P.O. Box 4109 Portland, OR 97208						A. State Manifest Document Number							
4. Generator's Phone (503) 225-7210						B. State Generator's ID							
5. Transporter 1 Company Name Jack Gray Transport			6. US EPA ID Number IND042534875			C. State Transporter's ID							
7. Transporter 2 Company Name						D. Transporter's Phone 18007729307							
9. Designated Facility Name and Site Address CHEMICAL WASTE MANAGEMENT OF THE NORTHWEST, INC. 17629 CEDAR SPRINGS LANE ARLINGTON, OR 97812-9709						10. US EPA ID Number ORD089452353							
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) a. Non Regulated per 49 CFR						12. Containers No. Type		13. Total Quantity		14. Unit Wt/Vol		EPA/ I. Waste No.	
						0,02 DT		00032 T				X001	
J. Additional Descriptions for Materials Listed Above a. BB8834.						CANPS 2.0a				K. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information Chemrec: (800)424-9300; CWM 24-Hour Emergency Info.#: (800)765-8713.													
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.  If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.													
Printed/Typed Name LARRY PATTERSON						Signature <i>Larry Patterson</i>				Month Day Year 08 30 94			
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name WALTON						Signature <i>Walter Walton</i>				Month Day Year 08 31 94			
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name						Signature				Month Day Year			
19. Discrepancy Indication Space													
20. Facility Owner or Operator. Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. Printed/Typed Name													
Signature						Month Day Year							

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Form Approved. OMB No. 2050-0039. Expires 9-30-94

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. OR D 0 0 9 0 3 1 8 4 0		Manifest Document No. 7 2 0 6 7		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.					
3. Generator's Name and Mailing Address Elf Atochem North America, Inc. P.O. Box 4109 Portland, OR 97208 4. Generator's Phone ( 503 225-7210						A. State Manifest Document Number							
5. Transporter 1 Company Name Duck Creek Transport						B. State Generator's ID							
6. US EPA ID Number 						C. State Transporter's ID							
7. Transporter 2 Company Name						D. Transporter's Phone 1 800 777 3807							
8. US EPA ID Number 						E. State Transporter's ID							
9. Designated Facility Name and Site Address CHEMICAL WASTE MANAGEMENT OF THE NORTHWEST, INC. 17629 CEDAR SPRINGS LANE ARLINGTON, OR 97812-9709						F. Transporter's Phone							
10. US EPA ID Number 						G. State Facility's ID							
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) a. Non Regulated per 49 CFR						12. Containers No. Type		13. Total Quantity		14. Unit Wt/Vol		EPA / I Waste No.	
						0 0 1 D T		1000 L		T		X 0 0 1	
J. Additional Descriptions for Materials Listed Above a. BB8834.						CANPS 2.0a		K. Handling Codes for Wastes Listed Above					
15. Special Handling Instructions and Additional Information a. Chemtrec: (800)424-9300; CWM 24-Hour Emergency Info.#: (800)765-8713.													
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.  If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.													
Printed/Typed Name LARRY PETERSON						Signature <i>Larry Peterson</i>			Month Day Year 08/31/94				
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name JAMES R. KANN						Signature <i>James R. Kann</i>			Month Day Year 08/31/94				
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name						Signature			Month Day Year				
19. Discrepancy Indication Space													
20. Facility Owner or Operator. Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. Printed/Typed Name													
Signature						Month Day Year							

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Form Approved. OMB No. 2050-0039. Expires 9-30-94

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. OR D 10 19 10 13 11 8 4 10 19 7 10 5 1 8		Manifest Document No. 10518	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address Elf Atochem North America, Inc. P.O. Box 4109 Portland, OR 97208					A. State Manifest Document Number		
4. Generator's Phone ( 503 225-7210					B. State Generator's ID		
5. Transporter 1 Company Name Columbia Transfer Inc			6. US EPA ID Number OR D 10 19 10 13 11 8 4 10 19 7 10 5 1 8		C. State Transporter's ID		
7. Transporter 2 Company Name					D. Transporter's Phone 503 852 942		
9. Designated Facility Name and Site Address CHEMICAL WASTE MANAGEMENT OF THE NORTHWEST, INC. 17629 CEDAR SPRINGS LANE ARLINGTON, OR 97012-9709					10. US EPA ID Number OR D 10 8 9 4 5 2 3 5 3		E. State Transporter's ID
							F. Transporter's Phone
							G. State Facility's ID
							H. Facility's Phone (503) 454-2643
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers	13. Total Quantity	14. Unit Wt/Vol	EPA/ID Waste No.
a. Non Regulated per 49 CFR				No. 001	Type D T	600 31 T	X 0 0 1
b.							
c.							
d.							
J. Additional Descriptions for Materials Listed Above					K. Handling Codes for Wastes Listed Above		
a. BB8834					CAMPS 2.0a		
b.							
c.							
d.							
15. Special Handling Instructions and Additional Information							
a. Chemtrec: (800)424-9300; CWM 24-Hour Emergency Info.#: (800)765-8713.							
b.							
c.							
d.							
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Printed/Typed Name LARRY PATTERSON				Signature <i>Larry Patterson</i>		Month Day Year 1 19 8 1 1 9 4	
17. Transporter 1 Acknowledgement of Receipt of Materials				Signature <i>Stanley [unclear]</i>		Month Day Year 1 19 8 1 1 9 4	
Printed/Typed Name				Signature		Month Day Year	
18. Transporter 2 Acknowledgement of Receipt of Materials				Signature		Month Day Year	
Printed/Typed Name				Signature		Month Day Year	
19. Discrepancy Indication Space							
20. Facility Owner or Operator. Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.							
Printed/Typed Name				Signature		Month Day Year	

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Form Approved. OMB No. 2050-0039. Expires 9-30-94

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. <b>OR D 0 0 9 0 3 1 8 4 0 7 3 0 5 9</b>		Manifest Document No. <b>0 0 1 D T 0 0 0 5 2 T</b>		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.					
3. Generator's Name and Mailing Address <b>Elf Atochem North America, Inc. P.O. Box 4109 Portland, OR 97208</b>						A. State Manifest Document Number							
4. Generator's Phone ( <b>503 225-7210</b> )						B. State Generator's ID							
5. Transporter 1 Company Name <b>Oregon Transfer Inc</b>				6. US EPA ID Number <b>OR D 0 0 5 0 9 7 3 4 3 7</b>		C. State Transporter's ID							
7. Transporter 2 Company Name						D. Transporter's Phone <b>(503) 255-7947</b>							
9. Designated Facility Name and Site Address <b>CHEMICAL WASTE MANAGEMENT OF THE NORTHWEST, INC. 17629 CEDAR SPRINGS LANE ARLINGTON, OR 97812-9709</b>						10. US EPA ID Number <b>OR D 0 8 9 4 5 2 3 5 3</b>							
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity		14. Unit Wt/Vol		EPA/ I. Waste No.	
a. <b>Non Regulated per 49 CFR</b>						No. <b>0 0 1</b> Type <b>D T</b>		<b>0 0 0 5 2 T</b>				<b>X 0 0 1</b>	
b.													
c.													
d.													
J. Additional Descriptions for Materials Listed Above <b>a. BB8834.</b>						K. Handling Codes for Wastes Listed Above <b>CAMP5 2.0a</b>							
15. Special Handling Instructions and Additional Information <b>a. Chemrec: (800)424-9300; CWM 24-Hour Emergency Info.#: (800)765-8713.</b>													
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.  If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.						Printed/Typed Name <b>LARRY PATTERSON</b>		Signature <i>Larry Patterson</i>		Month Day Year			
17. Transporter 1 Acknowledgement of Receipt of Materials						Printed/Typed Name <i>[Signature]</i>		Signature <i>[Signature]</i>		Month Day Year			
18. Transporter 2 Acknowledgement of Receipt of Materials						Printed/Typed Name		Signature		Month Day Year			
19. Discrepancy Indication Space													
20. Facility Owner or Operator. Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.						Printed/Typed Name		Signature		Month Day Year			

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<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. OR D 0 0 9 0 3 1 1 8 4 0	Manifest Document No. 2770610	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address <b>Elf Atochem North America, Inc.</b> P.O. Box 4109 Portland, OR 97208				A. State Manifest Document Number		
4. Generator's Phone (503) 225-7210				B. State Generator's ID		
5. Transporter 1 Company Name		6. US EPA ID Number		C. State Transporter's ID		
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone		
9. Designated Facility Name and Site Address <b>CHEMICAL WASTE MANAGEMENT OF THE NORTHWEST, INC.</b> 17629 CEDAR SPRINGS LANE ARLINGTON, OR 97812-9709		10. US EPA ID Number OR D 0 8 9 4 5 2 3 5 3		E. State Transporter's ID		
				F. Transporter's Phone		
				G. State Facility's ID		
				H. Facility's Phone (503) 454-2643		
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers		13. Total Quantity	14. Unit Wt/Vol	EPA/I. Waste No.
a. <b>Non Regulated per 49 CFR</b>		No. Type				
		0 0 1 D T		31 T		X 0 0 1
b.						
c.						
d.						
J. Additional Descriptions for Materials Listed Above a. <b>BB8834.</b> b. c. d.				K. Handling Codes for Wastes Listed Above <b>CAMPS 2.0a</b>		
15. Special Handling Instructions and Additional Information a. <b>Chemtrec: (800)424-9300; CWM 24-Hour Emergency Info.#: (800)765-8713.</b> b. c. d.						
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.  If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.						
Printed/Typed Name <b>LARRY PATTERSON</b>			Signature <i>Larry Patterson</i>		Month Day Year	
17. Transporter 1 Acknowledgement of Receipt of Materials						
Printed/Typed Name			Signature <i>[Signature]</i>		Month Day Year 9 1 94	
18. Transporter 2 Acknowledgement of Receipt of Materials						
Printed/Typed Name			Signature		Month Day Year	
19. Discrepancy Indication Space						
20. Facility Owner or Operator. Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.						
Printed/Typed Name			Signature		Month Day Year	

Form 8700-22 (Rev. 9-91) Previous editions are obsolete.

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Form Approved. OMB No. 2050-0039. Expires 9-30-94

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. ORD009031840	Manifest Document No. 04061	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.			
3. Generator's Name and Mailing Address Elf Atochem North America, Inc. P.O. Box 4109 Portland, OR 97208				A. State Manifest Document Number				
4. Generator's Phone ( 503 225-7210				B. State Generator's ID				
5. Transporter 1 Company Name		6. US EPA ID Number		C. State Transporter's ID				
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone				
9. Designated Facility Name and Site Address CHEMICAL WASTE MANAGEMENT OF THE NORTHWEST, INC. 17629 CEDAR SPRINGS LANE ARLINGTON, OR 97812-9709		10. US EPA ID Number ORD089452353		E. State Transporter's ID				
				F. Transporter's Phone				
				G. State Facility's ID				
				H. Facility's Phone (503)454-2643				
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)					12. Containers	13. Total Quantity	14. Unit Wt/Vol	EPA/I. Waste No.
a. Non Regulated per 49 CFR					No.	Type		
					001	DT	20	T
								X001
J. Additional Descriptions for Materials Listed Above					K. Handling Codes for Wastes Listed Above			
a. BB8634					CAMPS 2.0a			
b.								
c.								
d.								
15. Special Handling Instructions and Additional Information								
a. Chemtec: (800)424-9300; CWM 24-Hour Emergency Info.#: (800)765-8713.								
b.								
c.								
d.								
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Printed/Typed Name LARRY PATTERSON				Signature <i>Larry Patterson</i>		Month Day Year		
17. Transporter 1 Acknowledgement of Receipt of Materials								
Printed/Typed Name Robert S. Williams				Signature <i>Robert S. Williams</i>		Month Day Year		
18. Transporter 2 Acknowledgement of Receipt of Materials								
Printed/Typed Name				Signature		Month Day Year		
19. Discrepancy Indication Space								
20. Facility Owner or Operator. Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.								
Printed/Typed Name				Signature		Month Day Year		

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<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		Generator's US EPA ID No. 080009021340194062		Manifest Document No. 14062	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.						
3. Generator's Name and Mailing Address Elf Atochem North America, Inc. P.O. Box 4109 Portland, OR 97208 4. Generator's Phone (503) 225-7210					A. State Manifest Document Number							
5. Transporter 1 Company Name					B. State Generator's ID							
6. US EPA ID Number					C. State Transporter's ID							
7. Transporter 2 Company Name					D. Transporter's Phone							
8. US EPA ID Number					E. State Transporter's ID							
9. Designated Facility Name and Site Address CHEMICAL WASTE MANAGEMENT OF THE NORTHWEST, INC. 17629 CEDAR SPRINGS LANE ARLINGTON, OR 97812-9709					F. Transporter's Phone							
10. US EPA ID Number 0800089452353					G. State Facility's ID							
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) a. Non Regulated per 49 CFR					12. Containers No. Type		13. Total Quantity		14. Unit Wt/Vol		EPA/I Waste No.	
					0 0 1 D T		37 T				X 0 0 1	
J. Additional Descriptions for Materials Listed Above a. BB6834.					K. Handling Codes for Wastes Listed Above CANPS-2.0a							
15. Special Handling Instructions and Additional Information a. Chemrec: (800)424-9300; CWM 24-Hour Emergency Info.#: (800)765-8713.												
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Printed/Typed Name LARRY PATERSON				Signature <i>Larry Paterson</i>				Month Day Year 08 01 94				
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name N. L. S... RAGON				Signature <i>N. L. S... Ragon</i>				Month Day Year 08 01 94				
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name				Signature				Month Day Year				
19. Discrepancy Indication Space												
20. Facility Owner or Operator. Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. Printed/Typed Name												
Signature				Month Day Year								

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**CHEMICAL WASTE MANAGEMENT OF THE NORTHWEST**

NATIONAL RESPONSE CENTER  
OREGON ACCIDENT RESPONSE CENTER

1-800-424-8802  
1-800-452-0311

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Form Approved. OMB No. 2050-0039. Expires 9-30-91

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. OR D 009 10 3 184 09 14 06 B	Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address ELF Aachen North America, Inc - P.O. Box 4102 Portland, OR 97208		6. US EPA ID Number		A. State - Manifest - Document - Number		
4. Generator's Phone 503 228-7210		6. US EPA ID Number		B. State - Generator's ID		
5. Transporter 1 Company Name Truck Gray Transport		6. US EPA ID Number OR D 04 253 48 75		C. State - Transporter's ID		
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone 1 800 772 9301		
9. Designated Facility Name and Site Address Chemical Waste Management Of The Northwest Star Route Arlington, Oregon 97812		10. US EPA ID Number OR D 0 8 9 4 5 2 3 5 3		E. State - Transporter's ID		
				F. Transporter's Phone		
				G. State - Facility's ID		
				H. Facility's Phone 503-454-2643		
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers No.	13. Total Quantity	14. Unit Wt/Vol
a. - Non Regulated Per 49 CFR				002 DT	0003	T
b.						
c.						
d.						
Additional Descriptions for Materials Listed Above				WPS		Handling Note
a. DB 8834				Area		CRV
b.				S		GB
c.				ID		
d.				Q		
15. Special Handling Instructions and Additional Information Waste Profile Sheet Number(s)						
a. Chemtrec: (800) 424 9300; CWM 24 Hour Emergency Info #; (800) 765-8713						
b.						
c.						
d.						
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Printed/Typed Name LARRY D PIERSON			Signature Larry D Pierson		Month Day Year 09 10 89 94	
17. Transporter 1 Acknowledgement of Receipt of Materials						
Printed/Typed Name NELSON RANK			Signature Nelson Rank		Month Day Year 09 10 89 94	
18. Transporter 2 Acknowledgement of Receipt of Materials						
Printed/Typed Name			Signature		Month Day Year	
19. Discrepancy Indication Space						
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.						
Printed/Typed Name			Signature		Month Day Year	

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