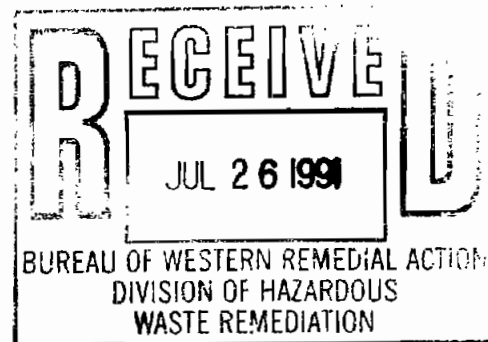


ERM-Northeast, Inc.

5500 Main Street • Williamsville, New York 14221 • (716) 633-5920

July 24, 1991

Mr. James Moras
NYSDEC
Division of Hazardous Waste Remediation
50 Wolf Road
Albany, NY 12233




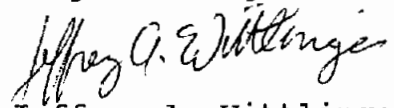
RE: Cleanup Plan Implementation
Report (July 1991), Allied
Specialty Chemical Site,
Tonawanda, New York.

Dear Jim:

Enclosed are six revised (P.E. stamped) copies of the cover page for the above referenced report, as per your request. Please contact us if you need any additional information while reviewing our report.

Very truly yours,


Glenn Wygant
Project Manager


Jeffrey A. Wittlinger
Engineering Manager

encl.

cc: R. Predale, Allied-Signal

An affiliate of The Environmental Resources Management Group with offices worldwide



CLEANUP PLAN IMPLEMENTATION REPORT
FORMER ALLIED SPECIALTY CHEMICAL SITE
SITE NO. 9-15-003-B
TONAWANDA, ERIE COUNTY, NEW YORK

JULY, 1991

SUBMITTED TO:

ALLIED-SIGNAL, INC.
PARK AVENUE AND COLUMBIA ROAD
MORRISTOWN, NEW JERSEY 07962

SUBMITTED BY:

ERM-NORTHEAST, INC.
5500 MAIN STREET
WILLIAMSVILLE, NEW YORK 14221



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- Appendix A - Post Excavation Soil Sampling Results
- Appendix B - Waste Manifests and Weight Tickets
- Appendix C - Backfill Analysis and Density Testing Results

NOTICE

This Cleanup Plan Implementation Report is provided to the New York State Department of Environmental Conservation (NYSDEC) as part of the ongoing discussions concerning the Former Allied Specialty Chemical Site (NYSDEC Site #9-15-003-B). This submission and Report is made without prejudice to any position or defense that has been or may be taken in connection with this Site or any other matter. Nothing in this Report should be construed as an admission or concession of any issue of fact or law by the alleged Principle Responsible Party (PRP). The PRP reserves the right to modify this Cleanup Plan Implementation Report or any position taken in prior or future discussions with NYSDEC.

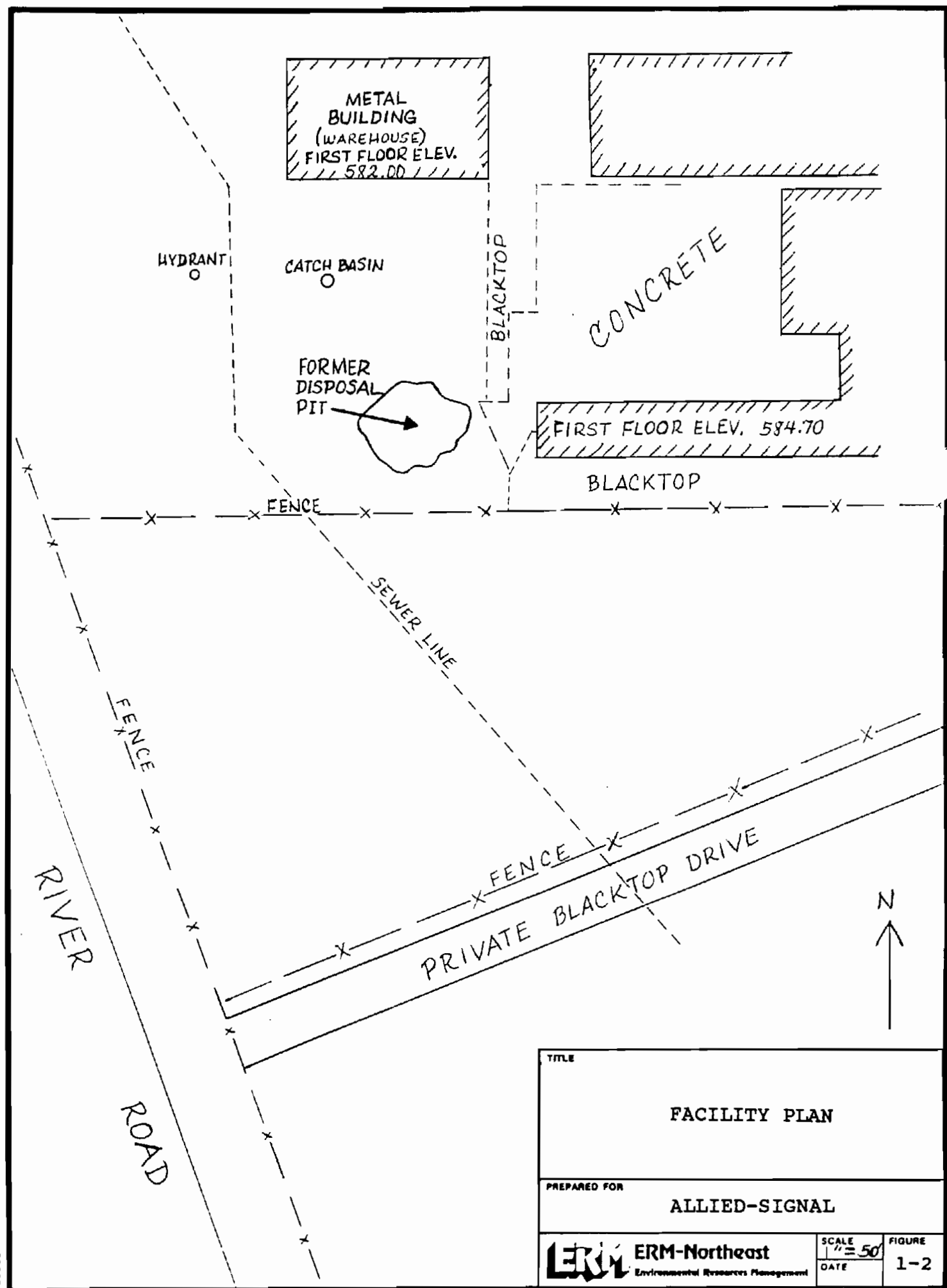
1.0 INTRODUCTION

1.1 Site Location

The Former Allied Specialty Chemical Site, hereafter referred to as the "the Site", is located within the western section of the Town of Tonawanda, Erie County, New York (Figure 1-1). The Site is located on the southwest corner of an industrial property (presently the Tonawanda Coke Corporation) in an extensively industrialized area on the east side of River Road, approximately 1.5 miles south of the South Grand Island Bridge. The Site is bordered to the south by a petroleum terminal, and to the west by River Road.

1.2 Site History

The former disposal pit (Figure 1-2) was utilized for the disposal of wastes generated during Research and Development (R & D) Studies at the Allied Tonawanda facility. Discharge into the pit occurred between 1958 and 1962, and R & D activities were discontinued in 1965. The pit area is located on the western side



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of the property and was estimated, by former plant personnel and aerial photographs, to be approximately 30 feet in diameter, and 6 feet in depth. Presently, the former pit has been regraded with fill material (gravel-sized stone). The wastes disposed of in this pit allegedly included off-specification batches of magnesium-chromate catalyst. To the west of the former disposal pit is a storm sewer that transects the property (Figure 1-2).

In May, 1988, a final Remedial Investigation Work Plan (under an Administrative Consent Order) was submitted by Allied-Signal to the NYSDEC. Thereafter, a Remedial Investigation (Phase I sampling) was performed to evaluate the extent of potential contamination around the former disposal pit. Further analytical testing was completed (Phase II) to evaluate the former extent of the pit, characterize the waste material, and to evaluate remedial options for the soil within the former pit. Based upon the findings of the two-phased remedial investigation, a draft Cleanup Plan was submitted to the NYSDEC in November 1990, with a final Cleanup Plan (incorporating the NYSDEC comments) being issued in January 1991.

2.0 PROJECT BACKGROUND

2.1 Regional Geology/Hydrogeology

The Site is located within the Erie-Ontario lowlands physiographic province. The province was formerly a lake bottom during Late Wisconsin deglaciation, and is characterized by generally flat topography. In the project area, the land elevation ranges between 590 and 600 feet above sea level, and slopes to the west towards River Road (Figure 1-1).

The surficial on-site material is comprised of alluvial/lacustrine sediments that are overlain by a thin veneer of fill material (Weston, 1990, and Conestoga-Rovers & Associates, 1990). This fill material averages approximately five feet in thickness, except in the location of the former disposal pit where there is approximately 10 feet of fill material. The underlying glaciolacustrine clay has a very-low hydraulic conductivity, averaging 10^{-7} cm/sec. (Conestoga-Rovers & Associates, 1990). The clay deposit is in turn underlain by the Camillus Shale Formation. This formation consists of brownish/grey non-fossiliferous mudstone with numerous gypsum and anhydrite inclusions and seams.

Regionally, ground water flow is to the west, toward the Niagara River. This is generally true for both the water table aquifer as well as the underlying bedrock aquifer. Locally however, it is questionable as to whether the water-bearing sediments that were encountered at the former Allied Specialty Chemical Site constitute an aquifer, given the body's shallow thickness (4 feet) and that the underlying glaciolacustrine sediments are dry.

2.2 Overview of USGS's 1985 Report

In March 1985, the United States Geological Survey (USGS) issued a report entitled: Preliminary Evaluation of Chemical Migration to Groundwater and the Niagara River from Selected Waste-Disposal Sites. This study was sponsored by the USEPA and NYSDEC to assess the potential of chemical migration from 138 selected sites within three miles of the Niagara River. On the basis of four soil samples collected from the site (USGS Site 105) in 1982, the USGS concluded that there was chromium contamination in the soil of the former disposal pit. Consequently, the NYSDEC requested that a Remedial Investigation be performed by Allied-Signal under an Administrative Consent Order, and a Work Plan was presented to the NYSDEC in May 1988.

2.3 Weston's 1990 RI Report/ERM's 1991 Phase II RI

2.3.1 Introduction

In May 1990, Roy F. Weston, Inc. issued a report entitled: Remedial Investigation of the Former Allied Specialty Chemical Site, Tonawanda, New York. This study was conducted for Allied-Signal and assessed the environmental impact of the former disposal pit. Included in the report were: 1) sampling results from numerous borings around the former disposal pit; 2) sampling results from four monitoring wells installed on-site; and 3) sampling results from sediment within a catch basin of the storm-sewer system. The report concluded that soils in the former disposal pit contained elevated concentrations of chromium, and sediments within the catch basin contained elevated concentrations of several metals (Cd, Cu, Hg, Pb, and Zn). The sampling of ground water revealed the sporadic presence of BTEX, cyanide, and chromium; however, there were no clear spacial trends and additional ground water wells were determined to be necessary.

A Phase II RI sampling program was conducted by ERM-Northeast, Inc. (ERM) to further delineate the distribution of total chromium in the soil. This included sampling of surface soil overlying the former pit, and the subsurface soils (6 to

8') adjacent to the former pit. Also included was a resampling of the surface soil (1" to 4") adjacent to the former pit (as per NYSDOH's request), waste classification sampling of soil for obtaining disposal approval, and the installation of an additional monitoring well (MW-5). The results of the Phase II sampling were included in ERM's Cleanup Plan, which was submitted to the NYSDEC in November 1990 and then finalized in January 1991.

2.3.2 Former Disposal Pit

The former disposal pit is approximately 30 by 30 feet at the ground surface, and extended to a depth of approximately 10 feet. The pit was excavated into clay; borings immediately outside of the pit encountered native clay at approximately 5 feet (MW-4 and MW-5), while borings within the former pit encountered clay approximately 10 feet below grade. When the disposal pit became inactive, it was covered over by a few feet of crushed stone and regraded to surface. The distribution of total chromium concentrations in the soil samples is presented in Table 2-1 and Figure 2-1.

Sampling data collected during the Remedial Investigation identified total chromium as an indicator chemical for the

TABLE 2-1
SOILS DATA FROM THE FORMER WASTE DISPOSAL AREA

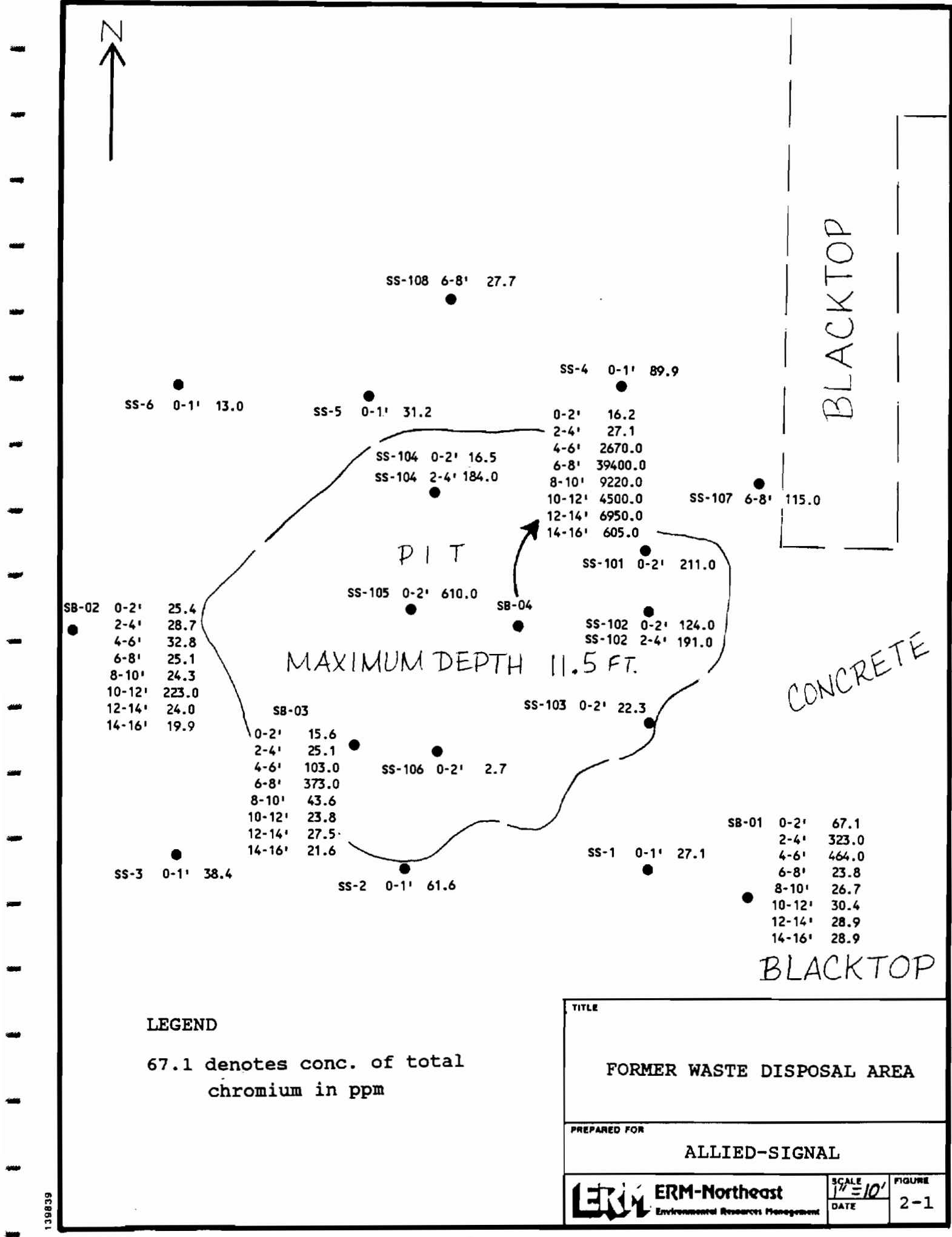
TOTAL CHROMIUM IN SOILS DATA

Sample No.	Depth	Total Chromium (mg/kg)	Sample Date	Sample No.	Depth	Total Chromium (mg/kg)	Sample Date
SB-01-01	0-2'	67.1	9/27/88	SS-1	0-1'	27.1	9/27/88
SB-01-02	2-4'	323.0	9/27/88	SS-2	0-1'	61.6	9/27/88
SB-01-03	4-6'	464.0	9/27/88	SS-2D	0-1'	50.9	9/27/88
SB-01-04	6-8'	23.8	9/27/88	SS-3	0-1'	38.4	9/27/88
SB-01-05	8-10'	26.7	9/27/88	SS-4	0-1'	89.9	9/27/88
SB-01-06	10-12'	30.4	9/27/88	SS-5	0-1'	31.2	9/27/88
SB-01-07	12-14'	28.9	9/27/88	SS-6	0-1'	13.0	9/27/88
SB-01-08	14-16'	28.9	9/27/88				
SB-02-01	0-2'	25.4	9/28/88	SS-101	0-2'	211.0	10/5/90
SB-02-02	2-4'	28.7	9/28/88	SS-102	0-2'	124.0	10/5/90
SB-02-03	4-6'	32.8	9/28/88	SS-102	2-4'	191.0	10/5/90
SB-02-04	6-8'	25.1	9/28/88	SS-103	0-2'	22.3	10/5/90
SB-02-04D	6-8'	33.1	9/28/88	SS-104	0-2'	16.5	10/5/90
SB-02-05	8-10'	24.3	9/28/88	SS-104	2-4'	184.0	10/5/90
SB-02-06	10-12'	223.0	9/28/88	SS-105	0-2'	610.0	10/5/90
SB-02-07	12-14'	24.0	9/28/88	SS-106	0-2'	2.7	10/5/90
SB-02-08	14-16'	19.9	9/28/88	SS-106D	0-2'	3.2	10/5/90
				SS-107	6-8'	115.0	10/5/90
SB-03-01	0-2'	15.6	9/28/88	SS-108	6-8'	27.7	10/5/90
SB-03-02	2-4'	25.1	9/28/88				
SB-03-03	4-6'	103.0	9/28/88	SS-1	1-4"	27.1	11/9/90
SB-03-04	6-8'	373.0	9/28/88	SS-2	1-4"	54.9	11/9/90
SB-03-05	8-10'	43.6	9/28/88	SS-3	1-4"	17.9	11/9/90
SB-03-06	10-12'	23.8	9/28/88	SS-4	1-4"	72.8	11/9/90
SB-03-07	12-14'	27.5	9/28/88	SS-5	1-4"	46.2	11/9/90
SB-03-08	14-16'	21.6	9/28/88	SS-6	1-4"	17.4	11/9/90
				SB-02	1-4"	9.8	11/9/90
SB-04-01	0-2'	16.2	9/28/88				
SB-04-02	2-4'	27.1	9/28/88				
SB-04-03	4-6'	2670.0	9/28/88				
SB-04-04	6-8'	39400.0	9/28/88				
SB-04-04D	6-8'	6480.0	9/28/88				
SB-04-05	8-10'	9220.0	9/28/88				
SB-04-06	10-12'	4500.0	9/28/88				
SB-04-07	12-14'	6950.0	9/28/88				
SB-04-08	14-16'	605.0	9/28/88				

CHARACTERIZATION AND TCLP EXTRACT DATA

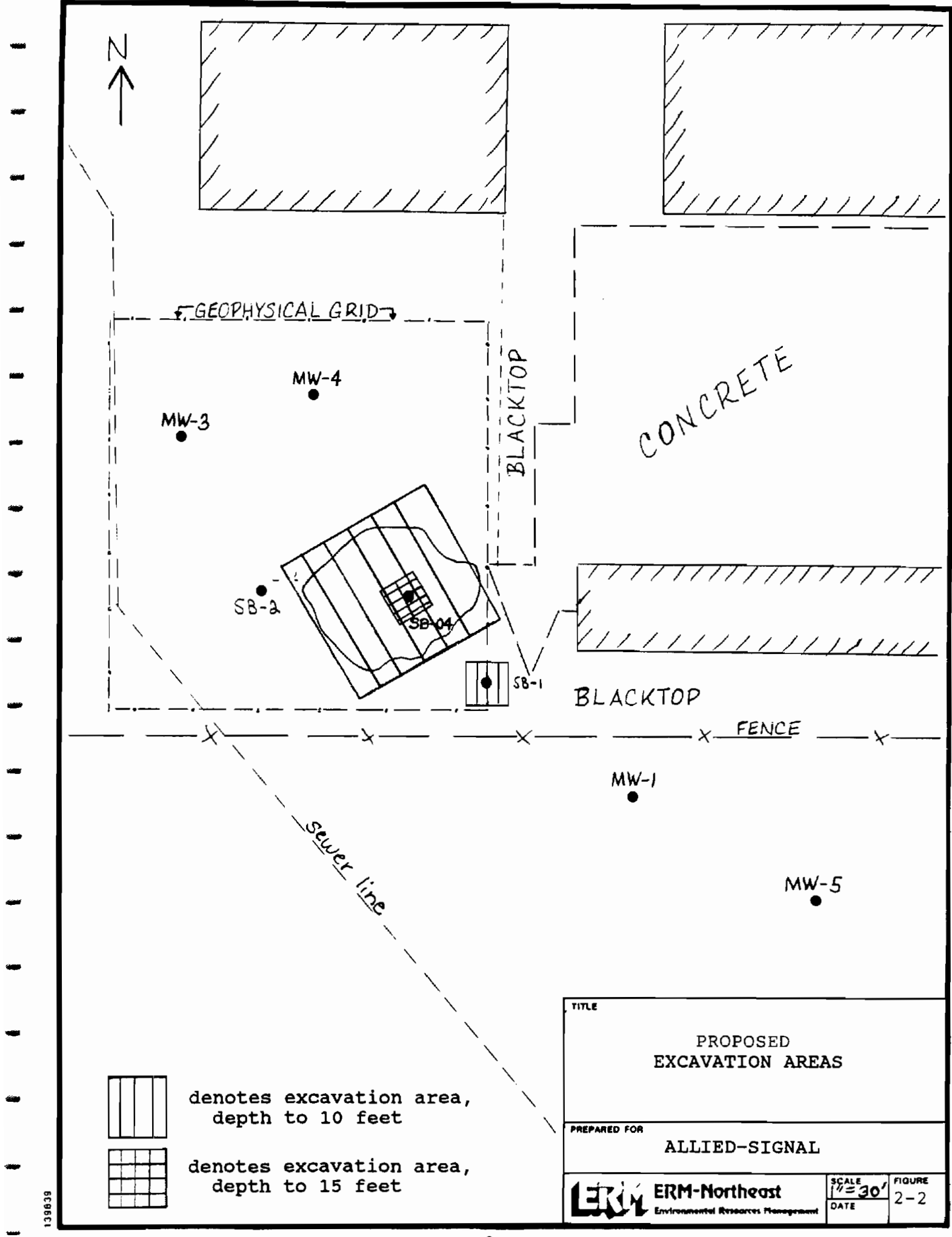
SAMPLE LOCATION	TCLP RESULTS	REACTIVE CYANIDE	REACTIVE SULFIDE	IGNITABILITY
MANHOLE	0.189 mg/L Barium	ND	12.7 ug/g	> 100 C
SB-04-A (6-8')	0.749 mg/L Barium	ND	10.7 ug/g	> 100 C
SB-104 (6-8')	ND	ND	113.4 ug/g	> 100 C
SB-102 (6-8')	0.183 mg/L Chromium	ND	4.1 ug/g	> 100 C

ND - NOT DETECTED
All other organic and metal contaminants were undetected in the TCLP extract.
All materials were negative for corrosivity, reactivity and ignitability.



soil within the former disposal pit. Total lead was also identified as being present in elevated concentrations; however, elevated concentrations of total chromium were found to occur in more samples and in higher concentrations. Also, it is believed that this chromium is trivalent, based on the ground water sampling data. An action level of 100 ppm total chromium within the soil was chosen for the following reasons: 1) the site is an active industrial facility; 2) the site is surrounded by other industrial facilities; and 3) 100 ppm of total chromium has been accepted as a cleanup level at other sites on the State's Registry.

ERM's January 1991 Cleanup Plan included complete excavation of the area occupied by the former disposal pit, and an additional excavation in the area around soil boring SB-1 (Figure 2-2). The soil sampling data, presented on Figure 2-1, provided no evidence indicating that the excavation should be more extensive than the pit's former boundaries. The proposed initial excavation of the former disposal pit area was vertically to top of clay (approximately 10 ft in depth), and laterally approximately 40 ft. by 40 ft. Within this excavation, an area 10 ft. by 10 ft. surrounding the SB-04 location was to be excavated to a depth of 15 ft.



The final lateral limits of the excavation were to be delineated by post-excavation sampling for total chromium.

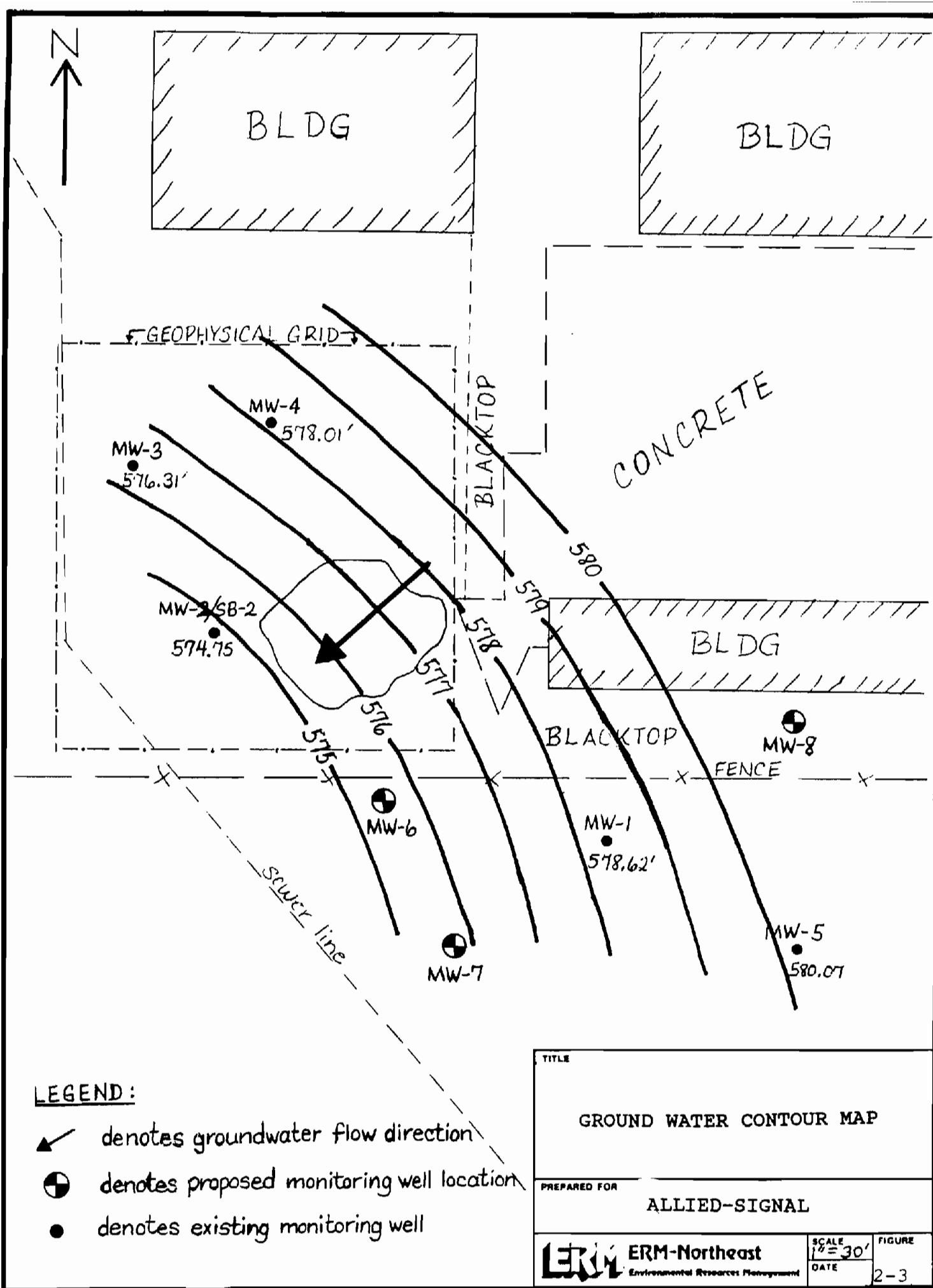
2.3.3 Storm-Sewer Catch Basin

A catch basin of the storm-sewer system is present near the former disposal pit (Figure 2-1). This catch basin is approximately 8 feet deep by 4 feet in diameter. The intake and discharge piping are both 6-inch I.D., and these are positioned approximately 3 feet above the basin's bottom. The basin contains an approximate 2.5 feet thick accumulation of sediment, which is approximately 2 cubic yards in volume.

As reported in the RI Report, these sediments contained elevated concentrations of cadmium (15 ppm), copper (1290 ppm), mercury (4 ppm), lead (804 ppm) and zinc (4230 ppm). The sediments were also sampled for waste characteristics (TCLP) and found to be non-hazardous.

2.3.4 Ground Water Assessment

Five monitoring wells have been installed at the Site (Figure 2-3) in the uppermost water-bearing unit. Monitoring



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Wells MW-1 through MW-4 were installed as part of the Remedial Investigation (1988). Well MW-5 was installed (to a depth of 9', with 5' of screen) in October 1990 to aid in evaluating the lateral distribution of chemicals found in well MW-1. Based on observations made during drilling for well installations, the water-bearing unit is only approximately 5 feet thick and is underlain by dry, dense silty clay. This water-bearing unit is not used as a source of potable water, and is not locally in hydraulic connection with the underlying bedrock aquifer (Conestoga-Rovers & Associates, 1990). This underlying bedrock aquifer has been regionally shown to flow towards the Niagara River.

The local direction of ground water flow in the fill strata is to the west, towards the Niagara River (Figures 1-1, 2-3). This flow pattern concurs with that reported for the Tonawanda Coke facility (Conestoga-Rovers & Associates, 1990). The gradient of flow in the area adjacent to the former disposal pit is approximately 8 percent, as calculated from Figure 2-3 and the water level data presented in Table 2-2.

Based on sampling of wells MW-1 through MW-4, the Remedial Investigation Report identified, in the ground water, several chemicals of concern: 1) BTEX; 2) cyanide; and 3) chromium. The results from the previous sampling, along with

TABLE 2-2

WATER LEVEL MONITORING DATA
NOVEMBER 7, 1990
ALLIED SPECIALTY CHEMICAL SITE

<u>Monitoring Well</u>	<u>Elevation of Inner Casing</u>	<u>Depth to Ground Water</u>	<u>Ground Water Elevation</u>
MW-01	585.41	6.79	578.62
MW-02	583.83	9.08	574.75
MW-03	582.55	6.24	576.31
MW-04	583.88	5.87	578.01
MW-05	586.40	6.33	580.07

the results from the Phase II sampling (well MW-5, and a resampling of MW-4) are summarized in Table 2-3. BTEX has only been detected in samples collected from well MW-1, at concentrations shown on Table 2-3. Chromium has only been detected in the two upgradient wells (39 ppb in MW-1; 130 ppb in MW-5), but in none of the downgradient wells. Cyanide has been detected in all wells at concentrations ranging from 2580 ppb to 585 ppb.

2.4 Additional Environmental Studies

As previously mentioned the Site is located in a highly industrialized area of Tonawanda -- a City of Buffalo suburb. Consequently, environmental studies have been conducted at some of the nearby properties. Four such studies that were contained in the NYSDEC files (Region 9) are listed below. A fifth site, Envirotek, is presently undergoing a major remedial action (drum excavations).

Conestoga-Rovers & Associates, 1990. Final Report, Supplemental Site Investigation, Tonawanda Coke Corporation. Report prepared for the Tonawanda Coke Corp. that describes the environmental impact of their facility on the soil and ground water quality.

O'Brien & Gere, 1989. Remedial Investigation Feasibility Study, Cherry Farm Site, Tonawanda, New York. Remedial Investigation and Feasibility Study prepared for Niagara Mohawk Power Corp. regarding the disposal of hazardous wastes

TABLE 2-3
GROUND WATER SAMPLING DATA

WELL	MW-1	MW-2	MW-3	MW-4	MW-1	MW-5
DATE SAMPLED	12/1/88	12/1/88	12/1/88	12/1/88	10/11/90	10/11/90
HSL VOCs DETECTED (ug/l)						
Carbon Disulfide	7.0	ND	ND	ND	NA	NA
1,1-Dichloroethane	2.0	ND	ND	ND	NA	NA
Chloroform	1.0	ND	ND	ND	NA	NA
Bromodichloromethane	ND	ND	ND	ND	NA	NA
Trichloroethene	2.0	ND	ND	4.0	NA	NA
Benzene	460.0	1.0	ND	ND	180.	ND
Tetrachloroethene	ND	ND	ND	1.0	NA	NA
Toluene	170.0	ND	ND	ND	84.	ND
Ethylbenzene	53.0	ND	ND	ND	25.	ND
Styrene	85.0	ND	ND	ND	NA	NA
Total Xylenes	340.0	ND	ND	ND	410.	ND
HSL BASE NEUTRAL/ACID EXTRACTABLES DETECTED (ug/l)						
4-Methylphenol	46.0	ND	ND	ND	ND	ND
2,4-Dimethylphenol	37.0	ND	ND	ND	ND	ND
Naphthalene	5200.0	ND	ND	ND	3300.	ND
2-Methylnaphthalene	470.0	ND	ND	ND	340.	ND
Acenaphthylene	49.0	ND	ND	ND	37.	ND
Dibenzofuran	41.0	ND	ND	ND	ND	ND
Fluorene	52.0	ND	ND	ND	54.	ND
N-nitrosodiphenylamine	ND	ND	3.0	ND	ND	ND
Phenanthrene	59.0	ND	ND	ND	41.	ND
bis(2-Ethylhexyl)Phthalate	ND	ND	ND	ND	ND	ND
Acenaphthene	ND	ND	ND	ND	14.	ND
Anthracene	ND	ND	ND	ND	9.	ND
Fluoranthene	ND	ND	ND	ND	5.	ND
Pyrene	ND	ND	ND	ND	4.	ND
HSL PESTICIDES/PCBS DETECTED						
4,4,DDT	2.8	ND	ND	ND	NA	NA
HSL INORGANICS DETECTED (ug/l)*						
Silver	29.0	13.0	ND	11.0	NA	NA
Aluminum	3740.0	173.0	1870.0	179.0	NA	NA
Arsenic	11.6	ND	ND	ND	ND	26.1
Barium	ND	20.0	ND	26.0	NA	NA
Beryllium	6.0	ND	ND	ND	NA	NA
Calcium	359000.0	271000.0	190000.0	294000.0	NA	NA
Chromium	117.0	ND	ND	ND	39.0	130.0
Copper	ND	17.0	ND	17.0	NA	NA
Iron	463000.0	5080.0	2280.0	750.0	NA	NA
Potassium	10300.0	7300.0	ND	1300.0	NA	NA
Magnesium	78500.0	148000.0	42300.0	155000.0	NA	NA
Manganese	9440.0	7500.0	1350.0	5170.0	NA	NA
Sodium	56400.0	19000.0	64300.0	23000.0	NA	NA
Nickel	18.0	ND	ND	ND	NA	NA
Lead	1.6	ND	27.8	ND	NA	NA
Antimony	ND	ND	ND	ND	NA	NA
Vanadium	66.0	ND	ND	11.0	NA	NA
Zinc	167.0	20.0	175.0	31.0	NA	NA
OTHER PARAMETERS						
Cyanide (ug/l)	585	2580	730	1120	2200	737
Conductivity (umhos)	1900	1200	920	1400	NA	NA
Temperature oC	11	6	7.5	11	NA	NA
pH	4.4	7.3	7.7	7.2	NA	NA

* - NON FILTERED SAMPLES
ND - NOT DETECTED
NA - NOT ANALYZED

on-site.

Recra Environmental, 1989. Engineering Investigations at Inactive Hazardous Waste Sites in the State of New York, Phase II Investigation, Roblin Steel Site, Erie County, New York.

Engineering-Science, 1989. Engineering Investigations and Evaluations at Inactive Hazardous Waste Sites in the State of New York, Phase II Investigation, INS Equipment (River Road Site), Erie County, New York. The investigation included soil borings, ground water analyses, and surface water analyses.

3.0 SITE REMEDIATION ACTIVITIES

3.1 Excavation of Former Disposal Pit

The implementation of the cleanup program began on April 29, 1991 with the mobilization of manpower and equipment. A backhoe was used to excavate the soil first from the 10' x 10' area south of the former pit then from the former disposal pit itself. These soils had been classified as non-hazardous and were disposed of off-site in a state permitted sanitary landfill. Prior to disposal approval from the NYSDEC was received.

The soil had been previously identified as being RCRA non-hazardous; however, at the request of the NYSDEC, soil that was not loaded directly into an awaiting dump truck was staged on a polyethelyne liner that was bermed and which drained into the pit area.

Initial excavation was continued until the excavation limits were near the limits described in the Cleanup Plan. Soil samples were then collected from the side walls and floor of the excavation. Soil samples were collected from the excavation's side walls using a precleaned stainless steel cup. Sampling was done remotely due to safety concerns regarding the stability of the

walls of the pit. The samples were transferred from the sampling cup to the sample containers using precleaned stainless steel spoons. Floor samples were collected from the bucket of the backhoe using a precleaned stainless steel spoon and transferred directly to the sample containers. Post excavation samples were analyzed for total chromium using 24 hour turnaround time and Analytical Services Protocol (ASP) methodologies.

The soil sampling locations were selected in the field, and collected at locations that were mutually agreed upon by ERM and the NYSDEC. However, as a general guideline the samples were collected at a frequency of: 1) one sample per 100 square feet (10' by 10') of the excavation's sidewalls; and 2) five samples from the floor of the excavation. The laboratory results of the post-excavation sampling are summarized in Table 3-1 and can be found in Appendix A. Re-excavation occurred at locations where the chromium results exceeded the action level of 100 ppm. The re-excavation consisted of removing at least enough soil to move the face of the excavation in the area of the failed sample back 3 feet. This area was subsequently resampled at a location similar to the sample that failed.

Excavation continued until all samples collected were below the chromium action level of 100 ppm. Approximately 860 cubic

**TABLE 3-1
END POINT SAMPLING RESULTS**

Sample Number	Location	Total Chromium (mg/Kg)
1	10x10 area - SW corner of floor	30.8
2	10x10 area - NE corner of floor	26.4
3	10x10 area - Middle of North wall approx. 4' down	71.1
4	10x10 area - Middle of East wall approx. 4' down	57.4
5	10x10 area - Middle of South wall approx. 4' down	54.3
6	10x10 area - Middle of West wall approx. 4' down	93.1
7	40x40 area - South end wall, at post #8, 7 feet deep	322*
8	40x40 area - South end wall, at post #7, 5.5 feet deep	36.6
9	40x40 area - South end wall, at post #6, 9 feet deep	36.9
10	40x40 area - South end wall, at post #5, 2 feet deep	27.4
11	40x40 area - South end wall, at post #4, 6 feet deep	24.5
12	40x40 area - East end wall, 25 feet N of fence, 5 feet deep	112*
13	40x40 area - East end wall, 30 feet N of fence, 7 feet deep	75.9
14	40x40 area - East end wall, 35 feet N of fence, 3 feet deep	220*
15	40x40 area - East end wall, 40 feet N of fence, 7 feet deep	67.7
16	40x40 area - East end wall, 45 feet N of fence, 6 feet deep	43.4
17	40x40 area - North end wall, opposite post #5, 6 feet deep	62.5
18	40x40 area - North end wall, opposite post #6, 3 feet deep	19.4
19	40x40 area - North end wall, opposite post #7, 5 feet deep	23.6
20	40x40 area - North end wall, opposite post #8, 7 feet deep	39.9
21	40x40 area - Middle of pit, 15 foot deep area	143*
22	40x40 area - Southwest corner of floor	24.3
23	40x40 area - Northwest corner of floor	30.1
24	40x40 area - Southeast corner of floor	23.3
25	40x40 area - Northeast corner of floor	22.2
26	40x40 area - Corner of North and West walls, 45' N. of fence, across from post #9, 5 feet deep	306*
27	40x40 area - West end wall, 40 feet N of fence, 6 feet deep	165*
28	40x40 area - West end wall, 35 feet N of fence, 3 feet deep	21.4
29	40x40 area - West end wall, 30 feet N of fence, 2 feet deep	110*
30	40x40 area - West end wall, 25 feet N of fence, 6 feet deep	41.3
31	40x40 area - Retake of Sample 21 after additional excavation	48.1
32	40x40 area - Duplicate of sample 31	45.6
33	40x40 area - Retake of Sample 26 after additional excavation	27.7
34	40x40 area - Retake of Sample 27 after additional excavation	40.9
35	40x40 area - Retake of Sample 29 after additional excavation	19.2
36	40x40 area - Retake of Sample 7 after additional excavation	318*
37	40x40 area - Retake of Sample 12 after additional excavation	26.7
38	40x40 area - Retake of Sample 14 after additional excavation	30.1
39	40x40 area - Retake of Sample 36 after additional excavation	33.2

Notes:

* - Exceeded cleanup level of 100 mg/Kg, area was subsequently re-excavated and resampled

* - All resampled locations were below 100 mg/Kg

All locations are approximate.


yards of material were excavated and removed from the site. The final excavation configuration can be found in Figure 3-1. These materials were disposed of as non-hazardous at Browning-Ferris Industries (BFI), Niagara Landfill in Tonawanda, New York. All material disposed of was approved for disposal by the state and was sent to a state approved landfill.

During excavation approximately 23,000 gallons of ground water was removed from the excavation, stored on-site and disposed of at the CECOS facility in Niagara Falls, New York.

Upon completion of the entire excavation, the excavation areas were then backfilled using soil similar to the natural on-site soil. This soil was analyzed for metal and various organics prior to use. Topsoil was placed over the backfill and grass seed was spread to finalize excavation activities.

3.2 Removal of Catch Basin Sediments

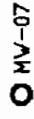
One to two cubic yards of non-hazardous sediment were present in the catch basin of the on-site storm sewer system. Though the sediment was moist/wet, the fluid phase did not appear to be separate from the sediment within the catch basin. The catch basin walls were pressure washed with potable water. The sediments and



A vertical scale bar labeled "SCALE (FEET)" with markings at 0, 25, 50, 75, and 100.

1) THE BASE MAP WAS ADAPTED FROM THE "TOPOGRAPHICAL MAP OF PART OF LOT 97 OF THE MILE RESERVE" GENERATED BY KREHBIEL ASSOCIATES ON MARCH 31, 1989.

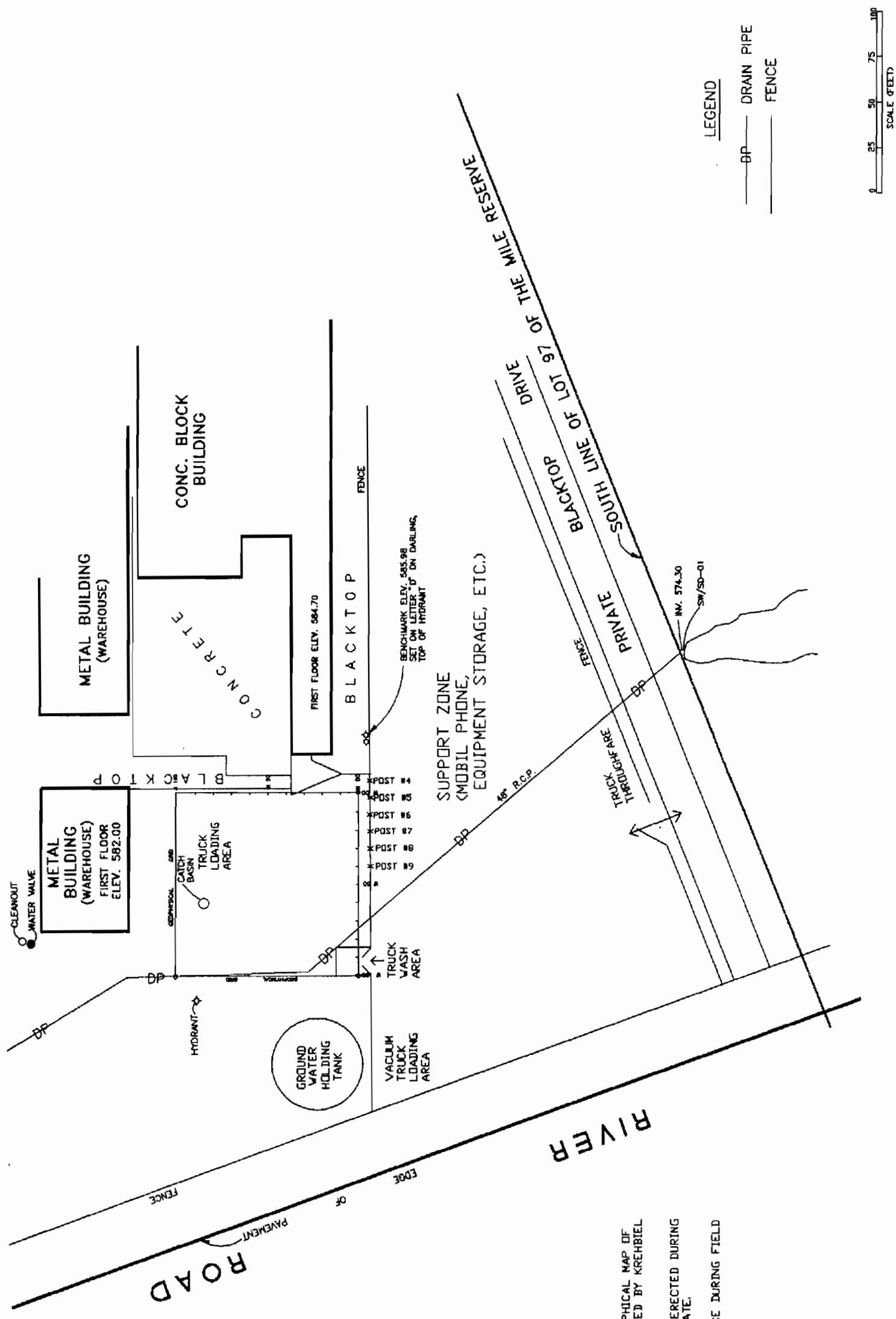
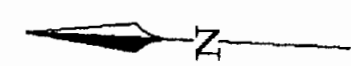
- 2) THE LOCATIONS OF THE BOUNDRIES OF THE EXCAVATION OF THE PIT AREA ARE APPROXIMATE.
- 3) FENCE POST NUMBERING WAS USED FOR REFERENCE DURING FIELD ACTIVITIES (E.G. SOIL SAMPLING).



ERM ERM-Northeast
Environmental Resources Management

EXCAVATION LIMITS

13



LEGEND
—DP— DRAIN PIPE
— FENCE



- NOTES:
- 1) THE BASE MAP WAS ADAPTED FROM THE 'TOPOGRAPHICAL MAP OF PART OF LOT 97 OF THE MILE RESERVE' GENERATED BY KREHBIEL ASSOCIATES ON MARCH 31, 1989.
 - 2) THE LOCATIONS OF SAMPLING POINTS AND AREAS ERRECTED DURING THE EXCAVATION OF THE PIT AREA ARE APPROXIMATE.
 - 3) FENCE POST NUMBERING WAS USED FOR REFERENCE DURING FIELD ACTIVITIES (E.G. SOIL SAMPLING)

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wash water were then removed from the catch basin by utilizing a vacuum truck. All work on the catch basin was done remotely outside the basin. At no time did personnel enter the basin during the cleaning operation.

After the sediments and water were removed from the catch basin the vacuum truck was emptied onto the soil staging area. The truck was deconned in the truck wash area prior to leaving the site. The catch basin sediments, which were approved by the state for disposal at a state permitted landfill, were disposed of with the disposal pit soil. The water from the catch basin cleaning operations was disposed of with the water collected during excavation dewatering. No post-cleaning samples were collected since the catch basin is lined with concrete.

4.0 SAFETY AND SITE CONTROL PROCEDURES

4.1 Mobilization and Set-up

On April 29-30, 1991, mobilization of the excavation equipment and set-up of the truck wash/decontamination area and holding tank was completed by the construction contractor O.H. Materials of Canada, Ltd. (OHM). The heavy equipment was rented locally and included:

- A PC3000LC Kamatsu crawler excavator (backhoe)
- A WA250 Kamatsu wheel loader (front-end loader)
- A Mi-T-M Corp. pressure washer capable of 2000 psi at 3.8 gpm.

On May 3, 1991, an Ingersoll-Rand model SD-40D single smooth drum vibratory compactor was also delivered to be used at the site.

A holding tank for the pumped ground water and decon water was set up west of the excavation area (Figure 4-1). The open top holding tank was approximately 50' in diameter and 4' deep with a capacity of approximately 58,000 gallons. The tank was assembled using 2'x4' steel wall sections held together by bolts. The floor

beneath the liner was smoothed and covered with sand and then overlain with a layer of 6 mil Vis-Queen to protect the plastic liner from punctures.

A truck wash/decontamination area was constructed west of the excavation and east of the holding tank where the entrance gate to the excavation area is located. The area was constructed by first using the front-end loader to excavate an area approximately 12' by 15' and approximately 6" to 1' deep. Sidewalls were constructed for the decon area using boards (2" x 6") nailed together. The area was then lined with 3 layers of Vis-Queen. Crushed stone was placed on the plastic to act as the drainage media. A five gallon plastic bucket was inserted into the stone and used as a sump which the decon water was pumped from into the holding tank.

4.2 Health and Safety Monitoring

During the main excavation phase of the project, HNU and miniram readings were taken at the downwind perimeter of the site approximately every 1/2 hour. During this period the devices did not exhibit readings above the action levels of 1 ppm above background for the HNU (VOCs) and 150 ug/m³ for the miniram (airborne dust).

Also, during the early phases of removal of the contaminated soils, level C protective apparel (e.g., air-purifying respirators) were worn by personnel entering the exclusion zone (shown on Figure 4-2). However, based on the downwind monitoring data and the HNU readings collected within the breathing space of the pit area, level D protective apparel was allowed. During our remediation activities no volatile organic compounds (VOCs) were detected on the HNU in the pit area.

Personal cars and equipment were parked in the reduction and support zone south of the fence (Figure 4-2). There was a cellular phone on site for emergency calls.

4.3 Construction Dewatering

Dewatering of the excavation pit was necessary to remove and properly dispose of the soils. This dewatering was accomplished by pumping the water directly from the pit, using gas and electric pumps, to the 50,000 gallon holding tank located west of the excavation area (Figure 4-1). The water in the pit was also pumped directly into awaiting tankers if the scheduling and truck traffic allowed it. The water in the holding tank was held for pickup by 5000 gallon vacuum tankers for transportation to the CECOS facility in Niagara Falls, a state approved waste water disposal facility.

The total amount of water stored and disposed of was approximately 23,000 gallons.

4.4 Staging and Transportation of Exhumed Soils

A majority of the exhumed soils were loaded directly into awaiting BFI 22 cubic yard dump trucks; however, at times when the soil was too wet to load into the trucks it was staged. This staging area consisted of an approximately 20' x 20', 60 mil polyethylene liner placed west of the excavation area between the wall of the excavation and monitoring well MW-02. The sides of the liner were bermed from underneath using soil and the water run-off from the liner was directed back into the excavation pit and pumped from the pit into the holding tank.

Prior to transportation of this wet material, it was either allowed to sit and dewater overnight or it was mixed with drier material until it met landfill acceptance criteria (i.e., no free liquids). The soil was then loaded into the dump trucks that were deconned at the truck wash area using the high pressure wash prior to leaving the site. Dump trucks were lined with plastic liners to prevent excess water from leaking during transport and to facilitate emptying the trucks at the landfill.

4.5 Disposal of Exhumed Soils

The excavated soil was transported to BFI's Niagara Landfill located at 4825 River Road, Tonawanda, New York, 14150, a NYSDEC permitted facility. The approximately 860 cubic yards (1056 tons) of soil disposed during the project were approved for disposal by BFI and the NYSDEC. Manifests and weight tickets from the transporter and landfill can be found in Appendix B.

4.6 Disposal of Ground Water/Decon Water

Ground water and decon water was collected and stored in the previously described open top holding tank. When ready for disposal, vacuum trucks from Buffalo Fuel Corporation (BFC) loaded the water from the tank by parking on the south side of the fence south of the holding tank and laying their loading hoses over the fence and into the pool. The water, after it was loaded, was taken to CECOS International's state permitted water treatment facility in Niagara Falls, New York where an approval for disposal previously existed. Manifests for these shipments can also be found in Appendix B.

4.7 Backfill Material

Backfill material similar to the on-site natural soil was obtained and tested by OHM. The backfill was acquired from Carmen M. Pariso Inc. (Pariso) in Tonawanda, New York. The concentrations of the analytes tested for in a representative soil sample of the backfill material (Table 4-1 and Appendix C) were non-detected or below New Jersey Department of Environmental Protection (NJDEP) cleanup guidelines except for molybdenum at 12.2~~7~~ mg/Kg. However, a U.S.G.S. Professional Paper (#1270) by H.T. Shacklette and J.G. Boerngen entitled "Element Concentrations in Soils and Other Surficial Materials of the Conterminous U.S." presents a background range for molybdenum in eastern U.S. soils of <3-15 ppm. The level for molybdenum of 12.2~~7~~ ppm is in this range. Thus, the backfill material was considered acceptable.

A total of approximately 870 cubic yards of backfill were used to close the excavation. An additional 126 cubic yards of topsoil, also acquired from Pariso, was used as cover over the backfill and as a base for vegetation.

TABLE 4-1
BACKFILL ANALYTICAL RESULTS

ANALYTE	CONCENTRATION IN BACKFILL (mg/Kg)	NJDEP SOIL GUIDELINES (mg/Kg)
METALS		
ANTIMONY	BQL	10
ARSENIC	4.86	20
BARIUM	BQL	400
BERYLLIUM	BQL	1
CADMIUM	0.85	3
CHROMIUM	BQL	100
COPPER	11.9	170
LEAD	BQL	250-1000
MERCURY	BQL	1
MOLYBDENUM	12.2	1
NICKEL	14.4	100
SELENIUM	BQL	4
SILVER	BQL	5
THALLIUM	BQL	5
VANADIUM	18.8	100
ZINC	110	350
ORGANICS		
TOTAL VOLATILES	BQL	1
TOTAL BASE NETURAL EXTRACTABLES	BQL	10
TOTAL ACID EXTRACTABLES	BQL	10
TOTAL PETROLEUM HYDROCARBONS	21.2	100
TOTAL PCB'S	BQL	1 TO 5
OTHER		
CYANIDE	BQL	12

NOTES:

BQL - BELOW QUANTIFIABLE LIMITS

4.8 Site Restoration Activities

Following confirmatory sampling and testing (i.e., samples from the disposal pit wall and floor contained levels of total chromium less than 100 ppm), backfilling of the pit area commenced using the backfill described in Section 4.7. The backfill material was placed in the excavated pit with the backhoe until the water that remained in the open excavation was absorbed (approximately 5 feet). The backfill was then initially compacted using the backhoe until the surface was stable enough to allow use of the vibrating compactor.

After the first five feet were filled in the remaining five feet were filled in incremental lifts by spreading one foot of backfill over the entire area with the backhoe and then using the backhoe to initially compact it. The vibrating compactor was then used to compact each layer to a modified proctor density of 80% (Appendix C). This process was continued until the backfill was slightly above the existing grade. A six inch layer of topsoil was then placed above the backfill to help sustain vegetation. Perennial and annual Grass seed was spread across the excavation to assist in reducing future wind and rain erosion.

5.0 CONCLUSIONS

Based on observations made and data collected during remediation of this former disposal pit at the Former Allied Specialty Chemical Site, the following conclusions have been made:

- 1) Soil containing elevated levels of chromium (i.e. greater than 100 ppm) has been successfully removed from the former disposal pit, with all confirmatory samples collected from the final excavation's sidewalls and floor having less than 100 ppm of total chromium (the cleanup level). The resulting excavations have been backfilled with clean soil. The exhumed soil has been disposed of at a permitted disposal facility.
- 2) The catch basin has been cleaned with a high pressure potable water wash and sediment within the storm sewer catch basin has been removed and disposed of at a NYSDEC permitted disposal facility.
- 3) No significant health and safety concerns were identified during the project. The project area was within a fenced in area, and the gate was closed after entering/leaving. The initial excavation activities were completed in level

C (air-purifying respirators) only as a contingency measure. At no time during the project were level D air quality action levels for the breathing space exceeded, and action levels downwind from the project area were also within the NYSDEC approved limits.

- 4) The site grounds were restored as part of the demobilization effort. This included removal of equipment and debris, and regrading/reseeding the project area. No fencing appeared damaged as a result of the remediation activity. The three fence gates were closed and secured with chains at the end of the project.

APPENDIX A
POST EXCAVATION SOIL SAMPLING RESULTS

APPENDIX B
WASTE MANIFESTS AND WEIGHT TICKETS



NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

If waste is asbestos waste, complete Sections I, II, III and IV.
If waste is NOT asbestos waste, complete only Sections I, II and III.

No. 127618

a. Generator Name: ALLIED SIGNAL b. Generating Location: _____
c. Address: PO Box 1139 d. Address: RIVER ROAD @ SAWYER
MORRISTOWN NJ 07962 TONAWANDA NY 14150
e. Phone No.: 414-520-2249 f. Phone No.: _____
If owner of the generating facility differs from the generator, provide:
g. Owner's Name: ROBERT VANDENBERG h. Owner's Phone No.: _____
i. BFI WASTE CODE:

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64880 Containers: _____
j. Description of Waste: CONTAMINATED SOIL - k. Quantity:

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0 No.

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7 TYPE:

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T
SILICA ALUMINA CATALYST
I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 280.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.
Dennis Krause Generator Authorized Agent Name Signature Dennis Krause Shipment Date 043091

TYPE
DM - METAL DRUM
DP - PLASTIC DRUM
B - BAG
BA - 6 MIL PLASTIC BAG
or WRAP
T - TRUCK
O - OTHER
UNITS
P - POUNDS
Y - YARDS
M³ - CUBIC METERS
Y³ - CUBIC YARDS
O - OTHER

Section I
TRANSPORTER I
a. Name: BFI - BUFFALO b. Name: _____
c. Address: 2321 KENMORE AVE d. Address: _____
KENMORE NY 14217
e. Driver Name/Title: RICK REED DRIVER f. Driver Name/Title: _____
g. Phone No.: 873-7500 h. Phone No.: _____
i. Truck No.: 4-264 j. Truck No.: _____
k. Vehicle License No./State: 746012 l. Vehicle License No./State: _____
m. Acknowledgement of Receipt of Materials: _____
n. Acknowledgement of Receipt of Materials: _____
o. Driver Signature: Rick Reed p. Driver Signature: Rick Reed
q. Shipment Date: 043091 r. Shipment Date: 043091

Section II
a. Site Name: NIAGARA LANDFILL c. Phone No.: 716-876-9444
b. Physical Address: 4825 RIVER RD d. Mailing Address: SAME
TONAWANDA NY 14150
e. Discrepancy Indication Space: _____
f. I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.
g. Name of Authorized Agent: Niagara Landfill Karen G. Schenk h. Signature: Karen G. Schenk
i. Receipt Date: 043091

Section III
a. Operator's* Name: _____ b. Operator's* Phone No.: _____
c. Operator's* Address: _____
d. Special Handling Instructions and additional information: _____
OPERATOR'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 government regulations.
e. Operator's* Name & Title: Karen A. Schenk f. Operator's* Signature: Karen G. Schenk
g. Name and Address of Responsible Agency: _____
h. ☐ Friable ☐ Non-friable ☐ Both _____ % friable _____ % nonfriable

* Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation, or both.

RETURN TO OPERATOR



NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

If waste is asbestos waste, complete Sections I, II, III and IV.
If waste is NOT asbestos waste, complete only Sections I, II and III.

No. 127504

Section I

a. Generator Name: ALFRED SEGAL b. Generating Location: _____

c. Address: P.O. Box 1139 d. Address: RIUER ROAD @ SANKA
MORRISTOWN, NJ 07962 TOWANANDA, NJ 14150

e. Phone No.: 416-520-2249 f. Phone No.: _____

If owner of the generating facility differs from the generator, provide:

g. Owner's Name: ROBERT VANDENBERG h. Owner's Phone No.: Land - 6

i. BFI WASTE CODE:

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64880 Containers: _____

j. Description of Waste: CONTAMINATED SOIL k. Quantity:

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 Units:

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 No.:

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 TYPE:

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- SILICA ALUMINA CATALYST

TYPE
DM - METAL DRUM
DP - PLASTIC DRUM
B - BAG
BA - 6 MIL. PLASTIC BAG or WRAP
T - TRUCK
O - OTHER

UNITS
P - POUNDS
Y - YARDS
M³ - CUBIC METERS
Y³ - CUBIC YARDS
O - OTHER

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

DEANIS KIAN Generator Authorized Agent Name Deanis Kian Signature 050191 Shipment Date

Section II

TRANSPORTER I

a. Name: PET - BUFFALO h. Name: _____

b. Address: 3321 KENMORE AVE. i. Address: _____
KENMORE, NY 14217

c. Driver Name/Title: DAVIS, L. COOD j. Driver Name/Title: _____
PRINT/TYPE PRINT/TYPE

d. Phone No.: 372-7500 e. Truck No.: 4-265 k. Phone No.: _____ l. Truck No.: _____

f. Vehicle License No./State: 746032 - NY m. Vehicle License No./State: _____

Acknowledgement of Receipt of Materials. Acknowledgement of Receipt of Materials.

g. R. J. [Signature] 050191 n. R. J. [Signature] 050191
Driver Signature Shipment Date Driver Signature Shipment Date

Section III

a. Site Name: WALHARA LANDFILL c. Phone No.: 716-876-9444

b. Physical Address: 4825 RIUER ROAD d. Mailing Address: SAME
TOWANANDA, NY 14150

e. Discrepancy Indication Space: _____

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Regina Landfill Karen G. Schenk 050191
Name of Authorized Agent Signature Receipt Date

Section IV

a. Operator's* Name: _____ b. Operator's* Phone No.: _____

c. Operator's* Address: _____

d. Special Handling Instructions and additional information: _____

OPERATOR'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 government regulations.

e. Operator's* Name & Title: Karen A. Schenk Karen G. Schenk 050191
Print/Type Operator's Signature Date

f. Name and Address of Responsible Agency: _____

g. ☐ Friable; ☐ Non-friable; ☐ Both _____ % friable _____ % nonfriable

* Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation, or both.



NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

If waste is asbestos waste, complete Sections I, II, III and IV.
If waste is NOT asbestos waste, complete only Sections I, II and III.

No. 127503

a. Generator Name: ALLIED SIGNAL b. Generating Location: _____
c. Address: PO BOX 1139 d. Address: RIVER ROAD @ SAWYER
MORRISTOWN NJ 07962 TONAWANDA NY
e. Phone No.: 416-520-2249 f. Phone No.: _____
If owner of the generating facility differs from the generator, provide:
g. Owner's Name: ROBERT VANDENBERG h. Owner's Phone No.: 416-520-2249
i. BFI WASTE CODE

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64880 Containers _____
j. Description of Waste: CONTAMINATED SOIL - k. Quantity _____ Units _____ No. _____ TYPE _____
SILICA ALUMINA CATALYST

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0

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T
I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 268.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.
Dennis Krause Dennis Krause 050191
Generator Authorized Agent Name Signature Shipment Date

TYPE
DM - METAL DRUM
DP - PLASTIC DRUM
B - BAG
BA - 6 MIL. PLASTIC BAG
or WRAP
T - TRUCK
O - OTHER
UNITS
P - POUNDS
Y - YARDS
M³ - CUBIC METERS
Y³ - CUBIC YARDS
O - OTHER

TRANSPORTER I
a. Name: BFI - BUFFALO h. Name: _____
b. Address: 2321 KENMORE AVE i. Address: _____
KENMORE NY 14217
c. Driver Name/Title: RICK REED, T. DOWD j. Address: _____
d. Phone No.: 873-7500 e. Truck No.: 4-264 k. Phone No.: _____ l. Truck No.: _____
f. Vehicle License No./State: 746012 m. Vehicle License No./State: _____
Acknowledge Receipt of Materials. Acknowledgement of Receipt of Materials.
g. Rick Reed 050191 n. Rick Reed 050191
Driver Signature Shipment Date Driver Signature Shipment Date

Site Name: NIAGARA LANDFILL c. Phone No.: 716-876-9444
Physical Address: 4825 RIVER RD d. Mailing Address: SAME
TONAWANDA NY 14150
e. Discrepancy Indication Space: _____
I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.
f. Regina Landfill Karen G. Schreck 050191
Name of Addressee Agent Signature Receipt Date

a. Operator's Name: _____ b. Operator's Phone No.: _____
c. Operator's Address: _____
d. Special Handling Instructions and additional information: _____
OPERATOR'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 government regulations.
e. Operator's Name & Title: Karen A. Schreck Karen G. Schreck 050191
Name and Address Operator's Signature Date
of Responsible Agency: _____
g. ☐ Friable; ☐ Non-friable; ☐ Both _____ % friable _____ % nonfriable

* Operator refers to the company which owns, leases-operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation, or both.



If waste is NOT asbestos waste, complete only Sections I, II and III.

No. 127526

a. Generator Name: ALLEN SIGNAL
 c. Address: PO Box 1139
MORRISTOWN NJ 07962
 e. Phone No.: 416-520-2549
 If owner of the generating facility differs from the generator, provide:
 g. Owner's Name: ROBERT VAN DERBEEK
 h. Owner's Phone No.: Land -
 i. BFI WASTE CODE

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 j. Description of Waste: CONTAMINATED SOIL
- SILICA ALUMINA CATALYST
 b. Generating Location:
 d. Address: RIVER ROAD @ BAWYER
TOWNSHIP NY 14150
 f. Phone No.:
 k. Quantity

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 Units 0 No.

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 TYPE

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 Containers
 DM - METAL DRUM
 DP - PLASTIC DRUM
 B - BAG
 BA - 6 MIL PLASTIC BAG
 or WRAP
 T - TRUCK
 O - OTHER

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

TYPE
DM - METAL DRUM
DP - PLASTIC DRUM
B - BAG
BA - 6 MIL PLASTIC BAG
or WRAP
T - TRUCK
O - OTHER

UNITS

P - POUNDS
Y - YARDS
M³ - CUBIC METERS
Y³ - CUBIC YARDS
O - OTHER

Dennis M. Vause
Generator Authorized Agent Name

Daniel Kane
Signature

0	5	0	2	9	1
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Shipment Date

TRANSPORTER 1

a. Name: BEL - BUFFALO
b. Address: 2321 KENNEDY AVE
KENNEDY NY 14217
c. Driver Name/Title: Rick Reed, Driver
d. Phone No.: 873-7500 e. Truck No.: 4-264
f. Vehicle License No./State: 746012
Acknowledgement of Receipt of Materials.
Rick Reed

0	5	0	2	9	1
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g. Other Signature: _____ Shipped Date: _____

TRANSPORTER II

h. Name: _____

i. Address: _____

j. Driver Name/Title: _____

k. Phone No.: _____ l. Truck No.: _____

m. Vehicle License No./State: _____

n. Acknowledgement of Receipt of Materials.

Driver Signature: *[Signature]*

Shipment Date: 05-03-91

a. Site Name: NIAGARA LAKE FALL c. Phone No.: 716-876-9444
b. Physical Address: 4805 RIVER RD d. Mailing Address: SAME
TONAWANDA NY 14150
e. Discrepancy Indication Source:

I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

1. James Lindell Kuehn 05029

a. Operator's Name: _____ b. Operator's Phone No.: _____

c. Operator's Address: _____

d. Special Handling Instructions and additional information: _____

OPERATOR'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 government regulations.

e. Operator's* Name & Title: Barton A. Schreck Barton A. Schreck 05029
Operator's* Signature Date

I. Name and Address
of Responsible Agency: _____

g. ☐ Friable; ☐ Non-friable; ☐ Both _____ % friable _____ % nonfriable

* Operator refers to the company which owns, leases- operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation, or both.



NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

If waste is asbestos waste, complete Sections I, II, III and IV.
If waste is NOT asbestos waste, complete only Sections I, II and III.

No. 127525

a. Generator Name: ALLIEN SIGNAL b. Generating Location: _____
 c. Address: PO BOX 1134 d. Address: RIVER ROAD Co SAWYER
MORRISTOWN NJ 07962 TONAWANDA NY
 e. Phone No.: 416-520-2249 f. Phone No.: _____
 If owner of the generating facility differs from the generator, provide:
 g. Owner's Name: ROBERT VANDERBERG h. Owner's Phone No.: LEADS-6
 i. BFI WASTE CODE:

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64880 Containers:

DM - METAL DRUM	
DP - PLASTIC DRUM	
B - BAG	
BA - 8 MIL. PLASTIC BAG or WRAP	
T - TRUCK	
O - OTHER	

 j. Description of Waste: CONTAMINATED SOIL k. Quantity:

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 Units:

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 No.:

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 TYPE:

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-SILICA ~~ALUMINA~~ CATALYST 0 7
 I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.
Denise Vance Generator Authorized Agent Name Denise Vance Signature 050291 Shipment Date

Section II TRANSPORTER I
 a. Name: BET-BUFFALO h. Name: _____
 b. Address: 2321 KENMORE AVE i. Address: _____
KENMORE NY 14217
 c. Driver Name/Title: DAVIS GOOD j. Driver Name/Title: _____
PRINT/TYPE PRINT/TYPE
 d. Phone No.: 873-7500 e. Truck No.: 415/6140 k. Phone No.: _____ l. Truck No.: _____
 f. Vehicle License No./State: 746022-NY m. Vehicle License No./State: _____
 Acknowledgement of Receipt of Materials. Acknowledgement of Receipt of Materials.
 g. 1 050291 n. _____
 Driver Signature Shipment Date Driver Signature Shipment Date

Section III ASBESTOS
 a. Site Name: NIAGARA LANDFILL c. Phone No.: 876-9444
 b. Physical Address: 4825 RIVER RD d. Mailing Address: SAME
TONAWANDA NY
 e. Discrepancy Indication Space: _____
 I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.
Niagara Landfill Kana G. Dehner 050291
 Name of Authorized Agent Signature Receipt Date

a. Operator's Name: _____ b. Operator's Phone No.: _____
 c. Operator's Address: _____
 d. Special Handling Instructions and additional information: _____
 OPERATOR'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 government regulations.
 e. Operator's Name & Title: _____ f. _____
Print/Type Operator's Signature _____
 g. Name and Address of Responsible Agency: _____
 h. _____
 i. ☐ Friable; ☐ Non-friable; ☐ Both _____ % friable _____ % nonfriable

* Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation, or both.



NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

If waste is asbestos waste, complete Sections I, II, III and IV.
If waste is NOT asbestos waste, complete only Sections I, II and III.

No. 127528

a. Generator Name: ALLIED SIGNAL b. Generating Location: RIVER ROAD @
c. Address: PO BOX 1139 d. Address: SAWYER
MORRISTOWN NJ 07962 TANAWANDA NY 14150
e. Phone No.: 416-520-2249 f. Phone No.: _____
If owner of the generating facility differs from the generator, provide:
g. Owner's Name: ROBERT VANDENBERG h. Owner's Phone No.: _____
i. BFI WASTE CODE:

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64880 Containers: _____
j. Description of Waste: CONTAMINATED SOIL k. Quantity:

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0 No.

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0 TYPE:

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T
SILICA ALUMINA CATALYST
I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.
DENNIS K... Generator Authorized Agent Signature Dennis K... Shipment Date 050391

TYPE
DM - METAL DRUM
DP - PLASTIC DRUM
B - BAG
BA - 5 MIL. PLASTIC BAG or WRAP
T - TRUCK
O - OTHER
UNITS
P - POUNDS
Y - YARDS
M³ - CUBIC METERS
Y³ - CUBIC YARDS
O - OTHER

TRANSPORTER I
a. Name: BEL-BUFFALO h. Name: _____
b. Address: 0301 KENMORE AVE i. Address: _____
KENMORE NY 14217
c. Driver Name/Title: RIK REED j. Driver Name/Title: _____
d. Phone No.: 873-7500 k. Phone No.: _____
e. Truck No.: 4-264 l. Truck No.: _____
f. Vehicle License No./State: 746012 m. Vehicle License No./State: _____
Acknowledgement of Receipt of Materials: _____
g. Rick Reed 050391 n. Rick Reed 050391
Driver Signature Shipment Date Driver Signature Shipment Date

a. Site Name: NIAKARA LANDFILL c. Phone No.: 876-9444
b. Physical Address: 4825 RIVER RD d. Mailing Address: SAME
TANAWANDA NY 14150
e. Discrepancy Indication Spec: _____
I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.
f. Niagara Landfill 050391
Name of Receiver Agent Signature Receipt Date

a. Operator's Name: _____ b. Operator's Phone No.: _____
c. Operator's Address: _____
d. Special Handling Instructions and additional information: _____
OPERATOR'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 government regulations.
e. Operator's Name & Title: _____ Operator's Signature: _____
f. Name and Address of Responsible Agency: _____
g. ☐ Friable; ☐ Non-friable; ☐ Both _____ % friable _____ % nonfriable

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

If waste is asbestos waste, complete Sections I, II, III and IV.
If waste is NOT asbestos waste, complete only Sections I, II and III.

No.127527

a. Generator Name: ALLIED SIGNAL b. Generating Location: _____
c. Address: PO Box 1139 d. Address: RIVER ROAD
MARKETOWN MS 39062 SAWYER TOWNSHIP NY
e. Phone No.: 414-520-2249 f. Phone No.: _____

If owner of the generating facility differs from the generator, provide:

g. Owner's Name: Robert Wassermanberg h. Owner's Phone No.: 602-555-1000

i. BFI WASTE CODE

1	2	3	4	5	6	7	8	9	0
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164880

j. Description of Waste: CONTAMINATED SOIL k. Quantity

1	2	3	4	5	6	7	8	9	0
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0 Units

1	2	3	4	5	6	7	8	9	0
---	---	---	---	---	---	---	---	---	---

0 No.

1	2	3	4	5	6	7	8	9	0
---	---	---	---	---	---	---	---	---	---

0 TYPE

1	2	3	4	5	6	7	8	9	0
---	---	---	---	---	---	---	---	---	---

T

Containers

1	2	3	4	5	6	7	8	9	0
---	---	---	---	---	---	---	---	---	---

0

TYPE

DM - METAL DRUM
DP - PLASTIC DRUM
B - BAG
BA - 5 MIL. PLASTIC BAG
or WRAP
T - TRUCK
O - OTHER

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 280.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Dennis Krause Dennis Krause 050391
Generator Authorized Agent Name Signature Shipment Date

TYPE
DM - METAL DRUM
DP - PLASTIC DRUM
B - BAG
BA - 8 MIL. PLASTIC BAG
or WRAP
T - TRUCK
O - OTHER

UNITS

P - POUNDS
Y - YARDS
M³ - CUBIC METERS
Y³ - CUBIC YARDS
O - OTHER

TRANSPORTER I		TRANSPORTER II						
a. Name: <u>BEL - BUFFALO</u>		h. Name: _____						
b. Address: <u>2321 KENMORE AVE</u> <u>KENMORE NY 14217</u>		i. Address: _____						
c. Driver Name/Title: <u>LEONIS BOON</u> <small>PRINT/TYPE</small>		j. Driver Name/Title: _____ <small>PRINT/TYPE</small>						
d. Phone No.: <u>813-2500</u>	e. Truck No.: <u>4-1056</u>	k. Phone No.: _____	l. Truck No.: _____					
f. Vehicle License No./State: <u>746032 - NJ</u>		m. Vehicle License No./State: _____						
r. Acknowledgement of Receipt of Materials.		Acknowledgement of Receipt of Materials.						
g. Driver Signature: <u>[Signature]</u>	Shipment Date: <u>050391</u>	n. Driver Signature: _____	Shipment Date: <table border="1"><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr></table>					

a. Site Name: NIAGARA DANFELL c. Phone No.: 876-9444
b. Physical Address: 4825 RIVER RD d. Mailing Address: SAME
TONAWANDA NY 14156
e. Discrepancy Indication Spec:

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

1. Nathan Landfield Karen C. Schenk 050391
Name of Authorized Agent Signature Receipt Date

a. Operator's* Name: _____ b. Operator's* Phone No.: _____

c. Operator's* Address: _____

d. Special Handling Instructions and additional information: _____

OPERATOR'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 government regulations.

e. Operator's * Name & Title: _____
Print/Type Operator's * Signature _____

Date

f. Name and Address
of Responsible Agency: _____

d. ☐ Friable: ☐ Non-friable: ☐ Both _____ % friable _____ % nonfriable

* Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation, or both.



NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

If waste is asbestos waste, complete Sections I, II, III and IV.
If waste is NOT asbestos waste, complete only Sections I, II and III.

No. 127630

a. Generator Name: ALLIED Signal b. Generating Location: RIVER Rd
c. Address: PO Box 1139 d. Address: SAWEY
MORRISTOWN NJ 07962 TONAWANDA NY 14150
e. Phone No.: 416-520-2249 f. Phone No.: Lands-
If owner of the generating facility differs from the generator, provide:
g. Owner's Name: Robert VANDENBERG h. Owner's Phone No.: Lands-
i. BFI WASTE CODE: 2 4 8 9 0 Containers: 6 4 8 9 0
j. Description of Waste: Cont Soil k. Quantity: 2 Units: 0 No. 1 TYPE: 1
SILICA ALUMINA CATALYST
I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.
Dennis K. Kasep Dennis Kasep 050691
Generator Authorized Agent Name Signature Shipment Date

TYPE
DM - METAL DRUM
DP - PLASTIC DRUM
B - BAG
BA - 5 MIL. PLASTIC BAG
or WRAP
T - TRUCK
O - OTHER
UNITS
P - POUNDS
Y - YARDS
M³ - CUBIC METERS
Y³ - CUBIC YARDS
O - OTHER

TRANSPORTER I
a. Name: BFI Buffalo h. Name: _____
b. Address: 2321 Kenmore Ave i. Address: _____
Kenmore NY 14217
c. Driver Name/Title: R Deil j. Driver Name/Title: _____
PRINT/TYPE PRINT/TYPE
d. Phone No.: 716 873-2500 e. Truck No.: 009 k. Phone No.: _____ l. Truck No.: _____
f. Vehicle License No./State: 246012 NY m. Vehicle License No./State: _____
Acknowledgement of Receipt of Materials. Acknowledgement of Receipt of Materials.
g. R Deil 050691 n. _____
Driver Signature Shipment Date Driver Signature Shipment Date

a. Site Name: Landfill c. Phone No.: 526 9444
b. Physical Address: 1835 River Rd d. Mailing Address: SAME
Tonawanda NY 14150
e. Discrepancy Indication Space: _____
I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.
f. Augustine Landfill Karen G. Schmitt 050691
Name of Authorized Agent Signature Receipt Date

a. Operator's Name: _____ b. Operator's Phone No.: _____
c. Operator's Address: _____
d. Special Handling Instructions and additional information: _____
OPERATOR'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 government regulations.
e. Operator's Name & Title: _____ f. Operator's Signature: _____
Print/Type Date
g. ☐ Friable; ☐ Non-friable; ☐ Both _____ % friable _____ % nonfriable

* Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation, or both.



NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

If waste is asbestos waste, complete Sections I, II, III and IV.
If waste is NOT asbestos waste, complete only Sections I, II and III.

No. 127529

a. Generator Name: ALLIED SIGNAL b. Generating Location: RIVER ROAD @
c. Address: PO BOX 1139 d. Address: RIVER RD + SAUER RD
MORRISTOWN NJ 07962 TONAWANDA NY 14150
e. Phone No.: 416-526-2249 f. Phone No.:
If owner of the generating facility differs from the generator, provide:
g. Owner's Name: Robert VANDERBERG h. Owner's Phone No.: Lead-4
i. BFI WASTE CODE

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 64880 Containers
j. Description of Waste: CONTAMINATED SOIL k. Quantity

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 0 Units No. TYPE
SILICA ALUMINA CATALYST

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 0 T
I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.
Dennis Krause Generator Authorized Agent Name Signature Date 050691
Dennis Krause Signature Date 050691

TYPE
DM - METAL DRUM
DP - PLASTIC DRUM
B - BAG
BA - 6 MIL. PLASTIC BAG or WRAP
T - TRUCK
O - OTHER
UNITS
P - POUNDS
Y - YARDS
M³ - CUBIC METERS
Y³ - CUBIC YARDS
O - OTHER

Section II TRANSPORTER I
a. Name: BET - BUFFALO b. Name:
c. Address: 2321 KENNEDY AVE d. Address:
KENNEDY NY 14217
e. Driver Name/Title: Bob MacDougal f. Driver Name/Title:
g. Phone No.: 873-2500 h. Phone No.:
i. Vehicle License No./State: 746073 NY j. Vehicle License No./State:
k. Acknowledgement of Receipt of Materials. l. Acknowledgement of Receipt of Materials.
m. Driver Signature: Bob MacDougal n. Driver Signature:
o. Shipment Date: 050691 p. Shipment Date:

Section III
a. Site Name: NIAGARA LANDFILL b. Phone No.: 876-9444
c. Physical Address: 4825 RIVER RD d. Mailing Address: SAME
TONAWANDA NY 14150
e. Discrepancy Indication Space:
I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.
f. Ningxin Landfill Kura C Schuck g. 050691
Name of Authorized Agent Signature Receipt Date

Section IV
a. Operator's Name: b. Operator's Phone No.:
c. Operator's Address:
d. Special Handling Instructions and additional information:
OPERATOR'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 government regulations.
e. Operator's Name & Title: f. Operator's Signature: g. Date:
h. Name and Address of Responsible Agency:
i. ☐ Friable; ☐ Non-friable; ☐ Both % friable % nonfriable

* Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation, or both.

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

If waste is asbestos waste, complete Sections I, II, III and IV.
If waste is NOT asbestos waste, complete only Sections I, II and III.

No. 127633

a. Generator Name: ALLIED SIGNAL b. Generating Location: RIVER ROCK
c. Address: PO BOX 1139 d. Address: SAWYER
MORRISTOWN NJ 07962 TONAWANDA NY 14150
e. Phone No.: 416-520-2249 f. Phone No.: _____

g. If the generating facility differs from the generator, provide:

h. Generator's Name: ROBERT VANDENBERG i. Owner's Phone No.: Lead-1

j. WASTE CODE

--	--	--	--	--	--	--	--	--	--

6	4	8	8	0
---	---	---	---	---

Containers

TYPE
DM - METAL DRUM
DP - PLASTIC DRUM
B - BAG
BA - 6 MIL. PLASTIC BAG or WRAP
T - TRUCK
O - OTHER

k. Description of Waste: CONTAMINATED SOIL
- SILICA ALUMINA CATALYST

Quantity	Units	No.	TYPE
		0	T

l. I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

UNITS
P - POUNDS
Y - YARDS
M³ - CUBIC METERS
Y³ - CUBIC YARDS
O - OTHER

m. Generator Authorized Agent Name: Dennis Krause Signature: Dennis Krause Shipment Date: 650991

TRANSPORTER I

n. Name: BFI - BUFFALO DIST
o. Address: 2321 KENMORE
KENMORE NY 14217
p. Driver Name/Title: BOB MACDONALD
q. Phone No.: 877-7500 r. Truck No.: 261
s. Vehicle License No./State: 74603 Z
t. Acknowledgement of Receipt of Materials.
u. Signature: Bob MacDonald Shipment Date: 050991

TRANSPORTER II

v. Name: _____
w. Address: _____
x. Driver Name/Title: _____
y. Phone No.: _____ z. Truck No.: _____
aa. Vehicle License No./State: _____
ab. Acknowledgement of Receipt of Materials.
ac. Signature: _____ Shipment Date: _____

RECEIVING FACILITY

ad. Name: NIAGARA LANDFILL ae. Phone No.: 876-9444
af. Address: 4825 RIVER RD ag. Mailing Address: SAFME
TONAWANDA NY 14150

ah. Discrepancy Indication Space: _____

ai. I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

aj. Signature: Niagara Landfill Signature: Karen Schuch Receipt Date: 050991

ASBESTOS (Generator completes a-d, f, g. Operator completes e, h.)

ak. Generator's Name: _____ al. Operator's Phone No.: _____

am. Generator's Address: _____

an. Special Handling Instructions and additional information: _____

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



BUFFALO DISTRICT
873-7500

362726

DATE: 4/30/91 JOB# _____

TRUCKER: BFI

COMPANY
ASSIGNED TO: ALLIED SIGNAL

JOB LOCATION: RIUER ROAD AT SAWYER

JOB DESCRIPTION: CONTAMINATED SOIL TO NLF

START	STOP	TOTAL
8:30 AM	11:00	
# LOADS	# TONS	DUMPSITE
		NLF

MATERIAL HANDLING

1	SENT BACK TO YARD	9	
2	BY BOB ANTHONY	10	
3		11	
4		12	
5		13	
6		14	
7		15	
8		16	

[Signature]
DRIVER SIGNATURE

[Signature]
CUSTOMER SIGNATURE



BUFFALO DISTRICT
873-7500

362501

DATE: 4/30/91 JOB# _____

TRUCKER: BFI-BUFFALO 261-1586

COMPANY
ASSIGNED TO: ALLIED SIGNAL

JOB LOCATION: RIUER RD & SAWYER RD.

JOB DESCRIPTION: CONTAMINATED SOIL

START	STOP	TOTAL
8:30 AM	11:50	2 3/4
# LOADS	# TONS	DUMPSITE
		NLF

MATERIAL HANDLING

1	Pulled off job Per	9	
2	Bob Anthony	10	
3		11	
4		12	
5		13	
6		14	
7		15	
8		16	

[Signature]
DRIVER SIGNATURE

[Signature]
CUSTOMER SIGNATURE



BUFFALO DISTRICT
873-7500

362701

DATE 4/30/91 JOB# _____

TRUCKER: BFI 264-1588

COMPANY ASSIGNED TO: ALLIED SIGNAL

JOB LOCATION: River Road & Sawyer

JOB DESCRIPTION: CONTAMINATED SOIL

START	STOP	TOTAL
9.00	4.30	7
# LOADS	# TONS	DUMPSITE
4		Mag LF 7

MATERIAL HANDLING

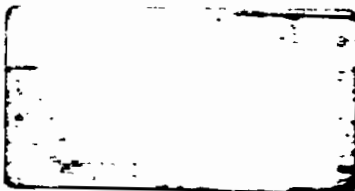
1	4 Loads of	9	
2	CONTAMINATED SOIL	10	
3	1# 28.13 Ton	11	(1/2 Lunch)
4	1# 20.00 Ton	12	
5	3# 23.08 Ton	13	
6	4# 21.36 Ton	14	
7		15	6-hiners
8		16	

Rick Reed

DRIVER SIGNATURE

Dennis M. Krane

CUSTOMER SIGNATURE





No: 013847

BROWNING-FERRIS INDUSTRIES

NIAGARA LANDFILL INC.
4825 RIVER ROAD
TONAWANDA, NY 14150
TELEPHONE: (716) 876-9444

MAILING ADDRESS:
2321 KENMORE AVE.
P.O. BOX 9
KENMORE, NY 14217
TELEPHONE: (716) 873-7500

WARNING

TRANSPORTING ANY UNAUTHORIZED
HAZARDOUS WASTE TO THIS FACILITY
FOR DISPOSAL IS PROHIBITED BY LAW.
PERSONS VIOLATING THIS PROHIBITION
ARE SUBJECT TO CIVIL AND CRIMINAL
PROSECUTIONS.

SIGNATURE: 

NE LF 118

Ticket : A13543 04/30/91 I: 03:50 pm
Customer: BFI - NEW YORK
Account : 0011208 LMS# 3 O: 04:01 pm
Truck : 4-264 Trailer: 1588
64880

Checker : John K.
Gr: 43.02 Scale 1
Tare: 21.66 Scale 1 Net: 21.36 tn
Source: BFI NY/Allied Signal CTS

Volume	Contents
21.36 TN	Cont. Soil

Have a good day!



No: 013843

BROWNING-FERRIS INDUSTRIES

NIAGARA LANDFILL INC.
4825 RIVER ROAD
TONAWANDA, NY 14150
TELEPHONE: (716) 876-9444

MAILING ADDRESS:
2321 KENMORE AVE.
P.O. BOX 9
KENMORE, NY 14217
TELEPHONE: (716) 873-7500

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PROSECUTIONS.

Ticket : A13544 04/30/91 I: 02:51 pm
Customer: BFI - NEW YORK
Account : 0011206 LMS# 3 O: 03:06 pm
Truck : 4-264 Trailer: 1588
64880

Checker : John K.
Gr: 37.04 Scale 1
Tare: 17.04 Scale 1 Net: 20.00 tn
Source: BFI NY/Allied Signal CTS

Volume	Contents
20.00 TN	Cont. Soil

Have a good day!

SIGNATURE: 



No: 013826

BROWNING-FERRIS INDUSTRIES

NIAGARA LANDFILL INC.
4825 RIVER ROAD
TONAWANDA, NY 14150
TELEPHONE: (716) 876-9444

MAILING ADDRESS:
2321 KENMORE AVE.
P.O. BOX 9
KENMORE, NY 14217
TELEPHONE: (716) 873-7500

WARNING

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PROSECUTIONS.

SIGNATURE: *Z. Beck*

NE LF 118

Ticket : A13525 04/30/91 I: 12:41 pm
Customer: BFI - NEW YORK
Account : 0011208 LMS# 3 O: 01:20 pm
Truck : 4-264 Trailer: 1588
64680
Checker : Karen S.
Gr: 45.05 Scale 1
Tare: 16.92 Scale 1 Net: 28.13 tn
Source: BFI NY/Allied Signal CTS

Volume	Contents
28.13 TN Cont. Soil	

Have a good day!



No: 013798

BROWNING-FERRIS INDUSTRIES

NIAGARA LANDFILL INC.
4825 RIVER ROAD
TONAWANDA, NY 14150
TELEPHONE: (716) 876-9444

MAILING ADDRESS:
2321 KENMORE AVE.
P.O. BOX 9
KENMORE, NY 14217
TELEPHONE: (716) 873-7500

WARNING

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PROSECUTIONS.

Ticket : A13501 04/30/91 I: 11:13 am
Customer: BFI - NEW YORK
Account : 0011208 LMS# 3 O: 11:33 am
Truck : 4-264 Trailer: 1588
64680
Checker : Karen S.
Gr: 39.97 Scale 1
Tare: 16.89 Scale 1 Net: 23.08 tn
Source: BFI NY/Allied Signal CTS

Volume	Contents
23.08 TN Cont. Soil	

Have a good day!



BUFFALO DISTRICT
873-7500

369966

DATE: 5/1/91 JOB# _____

TRUCKER: BFI

COMPANY
ASSIGNED TO: ALICED SIGNAL

JOB LOCATION: POWER ROAD SANGER

JOB DESCRIPTION: AW-HZ. SEPARATED SOIL ON LF

START	STOP	TOTAL
8:00 AM	3:45	1/2 hr LUNCH
*LOADS	*TONS	DUMPSITE
6	129.71	NLF

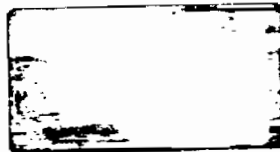
MATERIAL HANDLING

1	TRUCK 013917	21.40TN	9
2	013934	28.35TN	10
3	013950	25.11TN	11
4	013973	22.54TN	12
5	014000	13.89TN	13
6	014025	18.42TN	14
7			15
8			16

} 10 liners

[Signature]
DRIVER SIGNATURE

[Signature]
CUSTOMER SIGNATURE





BUFFALO DISTRICT
873-7500

362702

DATE: 5/1/91 JOB# _____

TRUCKER: BFI 264-1588

COMPANY
ASSIGNED TO ALLIED Signal

JOB LOCATION: River Rd Sawyer

JOB DESCRIPTION: CONTAMINATED Soil

START	STOP	TOTAL
8:00	3:30	7 1/2
LOADS	TONS	DUMP SITE
6		Mag LF 7

MATERIAL HANDLING		
1	Loads of	9
2	CONTAMINATED Soil	10
3	1# 22.41 Ton	11
4	2# 23.73 Ton	12
5	3# 23.82 Ton	13
6	4# 25.75 Ton	14
7	5# 20.46 Ton	15
8	6# 19.33 Ton	16

(1/2 Lunch)

7 - Series

R Reed

DRIVER SIGNATURE

Demi Vane

CUSTOMER SIGNATURE





No: 013917

BROWNING-FERRIS INDUSTRIES

NIAGARA LANDFILL INC.
4825 RIVER ROAD
TONAWANDA, NY 14150
TELEPHONE: (716) 876-9444

MAILING ADDRESS:
2321 KENMORE AVE.
P.O. BOX 9
KENMORE, NY 14217
TELEPHONE: (716) 873-7500

WARNING

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PROSECUTIONS.

SIGNATURE: 

NE LF 118



No: 013934

BROWNING-FERRIS INDUSTRIES

NIAGARA LANDFILL INC.
4825 RIVER ROAD
TONAWANDA, NY 14150
TELEPHONE: (716) 876-9444

MAILING ADDRESS:
2321 KENMORE AVE.
P.O. BOX 9
KENMORE, NY 14217
TELEPHONE: (716) 873-7500

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PROSECUTIONS.

Ticket : A13619 05/01/91 I: 09:10 am
Customer: BFI - NEW YORK
Account : 0011208 LMS# 3 O: 09:35 am
Truck : 4-265
64880
Checker : Karen S.
Gr: 38.05 Scale 1
Tare: 16.65 Scale 1 Net: 21.40 tn
Source: BFI NY/Allied Signal CTS

Volume	Contents
21.40	TN Cont. Soil

Have a good day!

Ticket : A13638 05/01/91 I: 10:16 am
Customer: BFI - NEW YORK
Account : 0011208 LMS# 3 O: 10:32 am
Truck : 4-265
64880
Checker : Karen S.
Gr: 45.07 Scale 1
Tare: 16.72 Scale 1 Net: 28.35 tn
Source: BFI NY/Allied Signal CTS

Volume	Contents
28.35	TN Cont. Soil

Have a good day!



No: 013950

BROWNING-FERRIS INDUSTRIES

NIAGARA LANDFILL INC.
4825 RIVER ROAD
TONAWANDA, NY 14150
TELEPHONE: (716) 876-9444

MAILING ADDRESS:
2321 KENMORE AVE.
P.O. BOX 9
KENMORE, NY 14217
TELEPHONE: (716) 873-7500

WARNING

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PROSECUTIONS.

SIGNATURE: _____

NE LF 118

Ticket : A13663 05/01/91 I: 11:05 am
Customer: BFI - NEW YORK
Account : 0011203 LMS# 3 O: 11:19 am
Truck : 4-265

64680

Checker : Karen S.

Gr: 41.34 Scale 1

Tare: 16.73 Scale 1 Net: 25.11 tn

Source: BFI NY/Allied Signal CTS

Volume	Contents
25.11 TN Cont. Soil	

Have a good day!



No: 013973

BROWNING-FERRIS INDUSTRIES

NIAGARA LANDFILL INC.
4825 RIVER ROAD
TONAWANDA, NY 14150
TELEPHONE: (716) 876-9444

MAILING ADDRESS:
2321 KENMORE AVE.
P.O. BOX 9
KENMORE, NY 14217
TELEPHONE: (716) 873-7500

WARNING

TRANSPORTING ANY UNAUTHORIZED
HAZARDOUS WASTE TO THIS FACILITY
FOR DISPOSAL IS PROHIBITED BY LAW
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ARE SUBJECT TO CIVIL AND CRIMINAL
PROSECUTIONS.

Ticket : A13690 05/01/91 I: 12:01 pm
Customer: BFI - NEW YORK
Account : 0011203 LMS# 3 O: 12:18 pm
Truck : 4-265

64680

Checker : Karen S.

Gr: 39.37 Scale 1

Tare: 16.83 Scale 1 Net: 22.54 tn

Source: BFI NY/Allied Signal CTS

Volume	Contents
22.54 TN Cont. Soil	

Have a good day!



No: 014000

BROWNING-FERRIS INDUSTRIES

NIAGARA LANDFILL INC.

4825 RIVER ROAD

TONAWANDA, NY 14150

TELEPHONE: (716) 876-9444

MAILING ADDRESS:

2321 KENMORE AVE.

P.O. BOX 9

KENMORE, NY 14217

TELEPHONE: (716) 873-7500

WARNING

TRANSPORTING ANY UNAUTHORIZED
HAZARDOUS WASTE TO THIS FACILITY
FOR DISPOSAL IS PROHIBITED BY LAW.
PERSONS VIOLATING THIS PROHIBITION
ARE SUBJECT TO CIVIL AND CRIMINAL
PROSECUTIONS.

SIGNATURE: _____

Denis

NE LF 116

Ticket : A13718 05/01/91 I: 01:27 pm
Customer: BFI - NEW YORK
Account : 0011208 LMS# 3 O: 01:42 pm
Truck : 4-285
64880
Checker : Karen S.
Gr: 30.79 Scale 1
Tare: 16.81 Scale 1 Net: 13.98 tn
Source: BFI NY/Allied Signal CTS

Volume	Contents
13.98 TN Cont.	Soil

Have a good day!



No: 014025

BROWNING-FERRIS INDUSTRIES

NIAGARA LANDFILL INC.

4825 RIVER ROAD

TONAWANDA, NY 14150

TELEPHONE: (716) 876-9444

MAILING ADDRESS:

2321 KENMORE AVE.

P.O. BOX 9

KENMORE, NY 14217

TELEPHONE: (716) 873-7500

WARNING

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HAZARDOUS WASTE TO THIS FACILITY
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ARE SUBJECT TO CIVIL AND CRIMINAL
PROSECUTIONS.

Ticket : A13757 05/01/91 I: 02:30 pm
Customer: BFI - NEW YORK
Account : 0011208 LMS# 3 O: 02:44 pm
Truck : 4-285
64880
Checker : Karen S.
Gr: 35.17 Scale 1
Tare: 16.75 Scale 1 Net: 18.42 tn
Source: BFI NY/Allied Signal CTS

Volume	Contents
18.42 TN Cont.	Soil

Have a good day!



No: 014021

BROWNING-FERRIS INDUSTRIES

NIAGARA LANDFILL INC.
4825 RIVER ROAD
TONAWANDA, NY 14150
TELEPHONE: (716) 876-9444

MAILING ADDRESS:
2321 KENMORE AVE.
P.O. BOX 9
KENMORE, NY 14217
TELEPHONE: (716) 873-7500

WARNING

TRANSPORTING ANY UNAUTHORIZED
HAZARDOUS WASTE TO THIS FACILITY
FOR DISPOSAL IS PROHIBITED BY LAW.
PERSONS VIOLATING THIS PROHIBITION
ARE SUBJECT TO CIVIL AND CRIMINAL
PROSECUTIONS.

SIGNATURE: _____

NE LF 116

Ticket : A13733 05/01/91 I: 02:13 pm
Customer: BFI - NEW YORK
Account : 0011208 LMS# 3 O: 02:32 pm
Truck : 4-264 Trailer: 1588
64880
Checker : Karen S.
Gr: 36.26 Scale 1
Tare: 16.93 Scale 1 Net: 19.33 tn
Source: BFI NY/Allied Signal CTS

Volume	Contents
19.33 TN	Cont. Soil

Have a good day!



No: 013992

BROWNING-FERRIS INDUSTRIES

NIAGARA LANDFILL INC.
4825 RIVER ROAD
TONAWANDA, NY 14150
TELEPHONE: (716) 876-9444

MAILING ADDRESS:
2321 KENMORE AVE.
P.O. BOX 9
KENMORE, NY 14217
TELEPHONE: (716) 873-7500

WARNING

TRANSPORTING ANY UNAUTHORIZED
HAZARDOUS WASTE TO THIS FACILITY
FOR DISPOSAL IS PROHIBITED BY LAW.
PERSONS VIOLATING THIS PROHIBITION
ARE SUBJECT TO CIVIL AND CRIMINAL
PROSECUTIONS.

Ticket : A13707 05/01/91 I: 01:00 pm
Customer: BFI - NEW YORK
Account : 0011208 LMS# 3 O: 01:23 pm
Truck : 4-264 Trailer: 1588
64880
Checker : Karen S.
Gr: 37.45 Scale 1
Tare: 16.99 Scale 1 Net: 20.46 tn
Source: BFI NY/Allied Signal CTS

Volume	Contents
20.46 TN	Cont. Soil

Have a good day!



No: 013958

BROWNING-FERRIS INDUSTRIES

NIAGARA LANDFILL INC.
4825 RIVER ROAD
TONAWANDA, NY 14150
TELEPHONE: (716) 876-9444

MAILING ADDRESS:
2321 KENMORE AVE.
P.O. BOX 9
KENMORE, NY 14217
TELEPHONE: (716) 873-7500

WARNING

TRANSPORTING ANY UNAUTHORIZED
HAZARDOUS WASTE TO THIS FACILITY
FOR DISPOSAL IS PROHIBITED BY LAW.
PERSONS VIOLATING THIS PROHIBITION
ARE SUBJECT TO CIVIL AND CRIMINAL
PROSECUTIONS.

SIGNATURE: 

NE LF 118

Ticket : A13670 05/01/91 I: 11:22 am
Customer: BFI - NEW YORK
Account : 0011208 LMS# 3 O: 11:37 am
Truck : 4-264 Trailer: 1588
4880
Checker : Karen S.
Gr: 42.75 Scale 1
Tare: 17.00 Scale 1 Net: 35.75 tn
Source: BFI NY/Allied Signal CTS

Volume	Contents
35.75 TN	Cont. Soil

Have a good day!



No: 013939

BROWNING-FERRIS INDUSTRIES

NIAGARA LANDFILL INC.
4825 RIVER ROAD
TONAWANDA, NY 14150
TELEPHONE: (716) 876-9444

MAILING ADDRESS:
2321 KENMORE AVE.
P.O. BOX 9
KENMORE, NY 14217
TELEPHONE: (716) 873-7500

WARNING

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HAZARDOUS WASTE TO THIS FACILITY
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ARE SUBJECT TO CIVIL AND CRIMINAL
PROSECUTIONS.

Ticket : A13647 05/01/91 I: 10:31 am
Customer: BFI - NEW YORK
Account : 0011208 LMS# 3 O: 10:45 am
Truck : 4-264 Trailer: 1588
64880
Checker : Karen S.
Gr: 40.72 Scale 1
Tare: 16.90 Scale 1 Net: 23.82 tn
Source: BFI NY/Allied Signal CTS

Volume	Contents
23.82 TN	Cont. Soil

Have a good day!



No: 013924

BROWNING-FERRIS INDUSTRIES

NIAGARA LANDFILL INC.
4825 RIVER ROAD
TONAWANDA, NY 14150
TELEPHONE: (716) 876-9444

MAILING ADDRESS:
2321 KENMORE AVE.
P.O. BOX 9
KENMORE, NY 14217
TELEPHONE: (716) 873-7500

WARNING

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HAZARDOUS WASTE TO THIS FACILITY
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PERSONS VIOLATING THIS PROHIBITION
ARE SUBJECT TO CIVIL AND CRIMINAL
PROSECUTIONS.

SIGNATURE: 

NE LF 116

Ticket : A13629 05/01/91 I: 09:33 am
Customer: BFI - NEW YORK
Account : 0011208 LMS# 3 O: 09:54 am
Truck : 4-264 Trailer: 1588
64380
Checker : Karen S.
Gr: 40.63 Scale 1
Tare: 16.93 Scale 1 Net: 23.73 tn
Source: BFI NY/Allied Signal CTS

Volume	Contents
23.73 TN Cont. Soil	

Have a good day!



No: 013900

BROWNING-FERRIS INDUSTRIES

NIAGARA LANDFILL INC.
4825 RIVER ROAD
TONAWANDA, NY 14150
TELEPHONE: (716) 876-9444

MAILING ADDRESS:
2321 KENMORE AVE.
P.O. BOX 9
KENMORE, NY 14217
TELEPHONE: (716) 873-7500

WARNING

TRANSPORTING ANY UNAUTHORIZED
HAZARDOUS WASTE TO THIS FACILITY
FOR DISPOSAL IS PROHIBITED BY LAW.
PERSONS VIOLATING THIS PROHIBITION
ARE SUBJECT TO CIVIL AND CRIMINAL
PROSECUTIONS.

Ticket : A13603 05/01/91 I: 08:30 am
Customer: BFI - NEW YORK
Account : 0011208 LMS# 3 O: 08:46 am
Truck : 4-264 Trailer: 1588
64380
Checker : Karen S.
Gr: 39.30 Scale 1
Tare: 16.39 Scale 1 Net: 22.41 tn
Source: BFI NY/Allied Signal CTS

Volume	Contents
22.41 TN Cont. Soil	

have a good day!



BUFFALO DISTRICT
873-7500

361481

DATE 5/2/91 JOB# _____

TRUCKER RFI

COMPANY
ASSIGNED TO ALFRED SEGAL

JOB LOCATION REVER R&F SAWYER

JOB DESCRIPTION CONTAMINATED SOIL TO NLF

START	STOP	TOTAL
8 ⁰⁰ AM	4.45	8.75
*LOADS	*TONS	DUMPSITE
6	151.76	NLF

MATERIAL HANDLING

1	014125	21.96TN	9	
2	014169	24.27TN	10	
3	014199	24.80TN	11	
4	014220	23.57TN	12	
5	014247	26.60TNS	13	
6	014264	30.54TNS	14	
7			15	
8			16	

[Signature]
DRIVER SIGNATURE

[Signature]
CUSTOMER SIGNATURE





No: 014262

BROWNING-FERRIS INDUSTRIES

NIAGARA LANDFILL INC.
4825 RIVER ROAD
TONAWANDA, NY 14150
TELEPHONE: (716) 876-9444

MAILING ADDRESS:
2321 KENMORE AVE.
P.O. BOX 9
KENMORE, NY 14217
TELEPHONE: (716) 873-7500

WARNING

TRANSPORTING ANY UNAUTHORIZED
HAZARDOUS WASTE TO THIS FACILITY
FOR DISPOSAL IS PROHIBITED BY LAW.
PERSONS VIOLATING THIS PROHIBITION
ARE SUBJECT TO CIVIL AND CRIMINAL
PROSECUTIONS.

SIGNATURE: 

NE LF 116

Ticket : A13957 05/02/91 I: 03:32 pm
Customer: BFI - NEW YORK
Account : 0011208 LMS# 3 O: 04:02 pm
Truck : 4-264 Trailer: 1538
64880
Checker : Karen S.
Gr: 44.22 Manual
Tare: 16.76 Scale 1 Net: 27.46 tn
Source: BFI NY/Allied Signal CTS

Volume	Contents
--------	----------

27.46 TN Cont. Soil	
---------------------	--

Have a good day!



No: 014251

BROWNING-FERRIS INDUSTRIES

NIAGARA LANDFILL INC.
4825 RIVER ROAD
TONAWANDA, NY 14150
TELEPHONE: (716) 876-9444

MAILING ADDRESS:
2321 KENMORE AVE.
P.O. BOX 9
KENMORE, NY 14217
TELEPHONE: (716) 873-7500

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PROSECUTIONS.

SIGNATURE: 

Ticket : A13922 05/02/91 I: 02:04 pm
Customer: BFI - NEW YORK
Account : 0011208 LMS# 3 O: 03:31 pm
Truck : 4-264 Trailer: 1538
64880
Checker : Karen S.
Gr: 43.28 Scale 1
Tare: 16.85 Scale 1 Net: 26.43 tn
Source: BFI NY/Allied Signal CTS

Volume	Contents
--------	----------

26.43 TN Cont. Soil	
---------------------	--

Have a good day!



No: 014204

BROWNING-FERRIS INDUSTRIES

NIAGARA LANDFILL INC.
4825 RIVER ROAD
TONAWANDA, NY 14150
TELEPHONE: (716) 876-9444

MAILING ADDRESS:
2321 KENMORE AVE.
P.O. BOX 9
KENMORE, NY 14217
TELEPHONE: (716) 873-7500

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PROSECUTIONS.

SIGNATURE: _____

NE LF 116

Ticket : A13858 05/02/91 I: 12:48 pm
Customer: BFI - NEW YORK
Account : 0011208 LMS# 3 O: 01:14 pm
Truck : 4-264 Trailer: 1588
64880
Checker : Karen S.
Gr: 38.93 Scale 1
Tare: 16.83 Scale 1 Net: 22.12 tn
Source: BFI NY/Allied Signal CTS

Volume	Contents
22.12	TN Cont. Soil

Have a good day!



No: 014163

BROWNING-FERRIS INDUSTRIES

NIAGARA LANDFILL INC.
4825 RIVER ROAD
TONAWANDA, NY 14150
TELEPHONE: (716) 876-9444

MAILING ADDRESS:
2321 KENMORE AVE.
P.O. BOX 9
KENMORE, NY 14217
TELEPHONE: (716) 873-7500

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HAZARDOUS WASTE TO THIS FACILITY
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PROSECUTIONS.

SIGNATURE: _____

Ticket : A13862 05/02/91 I: 11:02 am
Customer: BFI - NEW YORK
Account : 0011208 LMS# 3 O: 11:27 am
Truck : 4-264 Trailer: 1588
64880
Checker : Karen S.
Gr: 39.99 Scale 1
Tare: 16.85 Scale 1 Net: 23.14 tn
Source: BFI NY/Allied Signal CTS

Volume	Contents
23.14	TN Cont. Soil

Have a good day!



No: 014127

BROWNING-FERRIS INDUSTRIES

NIAGARA LANDFILL INC.
4825 RIVER ROAD
TONAWANDA, NY 14150
TELEPHONE: (716) 876-9444

MAILING ADDRESS:
2321 KENMORE AVE.
P.O. BOX 9
KENMORE, NY 14217
TELEPHONE: (716) 873-7500

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HAZARDOUS WASTE TO THIS FACILITY
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PROSECUTIONS.

SIGNATURE: _____

NE LF 116

Ticket : A13801 05/02/91 I: 08:39 am
Customer: BFI - NEW YORK
Account : 0011208 LMS# 3 O: 09:50 am
Truck : 4-264 Trailer: 1388
64880
Checker : Karen S.
Gr: 41.25 Scale 1
Tare: 16.87 Scale 1 Net: 24.38 tn
Source: BFI NY/Allied Signal CTS

Volume	Contents
--------	----------

24.38 TN Cont. Soil	
---------------------	--

Have a good day!



No: 014264

BROWNING-FERRIS INDUSTRIES

NIAGARA LANDFILL INC.
4825 RIVER ROAD
TONAWANDA, NY 14150
TELEPHONE: (716) 876-9444

MAILING ADDRESS:
2321 KENMORE AVE.
P.O. BOX 9
KENMORE, NY 14217
TELEPHONE: (716) 873-7500

WARNING

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HAZARDOUS WASTE TO THIS FACILITY
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ARE SUBJECT TO CIVIL AND CRIMINAL
PROSECUTIONS.

SIGNATURE: _____

Ticket : A13967 05/02/91 I: 03:54 pm
Customer: BFI - NEW YORK
Account : 0011208 LMS# 3 O: 04:07 pm
Truck : 4-265
64880
Checker : Karen S.
Gr: 47.16 Scale 1
Tare: 16.62 Scale 1 Net: 30.54 tn
Source: BFI NY/Allied Signal CTS

Volume	Contents
--------	----------

30.54 TN Cont. Soil	
---------------------	--

Have a good day!



No: 014247

BROWNING-FERRIS INDUSTRIES

NIAGARA LANDFILL INC.
4825 RIVER ROAD
TONAWANDA, NY 14150
TELEPHONE: (716) 876-9444

MAILING ADDRESS:
2321 KENMORE AVE.
P.O. BOX 9
KENMORE, NY 14217
TELEPHONE: (716) 873-7500

WARNING

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HAZARDOUS WASTE TO THIS FACILITY
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PROSECUTIONS.

SIGNATURE: 

NE LF 118



No: 014220

BROWNING-FERRIS INDUSTRIES

NIAGARA LANDFILL INC.
4825 RIVER ROAD
TONAWANDA, NY 14150
TELEPHONE: (716) 876-9444

MAILING ADDRESS:
2321 KENMORE AVE.
P.O. BOX 9
KENMORE, NY 14217
TELEPHONE: (716) 873-7500

WARNING

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HAZARDOUS WASTE TO THIS FACILITY
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PROSECUTIONS.

SIGNATURE: 

Ticket : A13947 05/02/91 I: 02:53 pm
Customer: BFI - NEW YORK
Account : 0011208 LMS# 3 O: 03:13 pm
Truck : 4-265
64880
Checker : Karen S.
Gr: 43.32 Scale 1
Tare: 16.72 Scale 1 Net: 26.60 tn
Source: BFI NY/Allied Signal CTS

Volume	Contents
--------	----------

26.60 TN Cont. Soil	
---------------------	--

Have a good day!

Ticket : A13917 05/02/91 I: 01:50 pm
Customer: BFI - NEW YORK
Account : 0011208 LMS# 3 O: 02:07 pm
Truck : 4-265
64880
Checker : Karen S.
Gr: 40.29 Scale 1
Tare: 16.72 Scale 1 Net: 23.57 tn
Source: BFI NY/Allied Signal CTS

Volume	Contents
--------	----------

23.57 TN Cont. Soil	
---------------------	--

Have a good day!



No: 014169

BROWNING-FERRIS INDUSTRIES

NIAGARA LANDFILL INC.
4825 RIVER ROAD
TONAWANDA, NY 14150
TELEPHONE: (716) 876-9444

MAILING ADDRESS:
2321 KENMORE AVE.
P.O. BOX 9
KENMORE, NY 14217
TELEPHONE: (716) 873-7500

WARNING

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HAZARDOUS WASTE TO THIS FACILITY
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PROSECUTIONS.

Denis

SIGNATURE: _____

NELF 118

Ticket : A13871 05/02/91 I: 11:19 am
Customer: BFI - NEW YORK
Account : 0011208 LMS# 3 O: 11:39 am
Truck : 4-265
64880
Checker : Karen S.
Gr: 40.99 Scale 1
Tare: 16.72 Scale 1 Net: 34.27 tn
Source: BFI NY/Allied Signal CTS

Volume	Contents
34.27 TN	Cont. Soil

Have a good day!



No: 014199

BROWNING-FERRIS INDUSTRIES

NIAGARA LANDFILL INC.
4825 RIVER ROAD
TONAWANDA, NY 14150
TELEPHONE: (716) 876-9444

MAILING ADDRESS:
2321 KENMORE AVE.
P.O. BOX 9
KENMORE, NY 14217
TELEPHONE: (716) 873-7500

WARNING

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HAZARDOUS WASTE TO THIS FACILITY
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PERSONS VIOLATING THIS PROHIBITION
ARE SUBJECT TO CIVIL AND CRIMINAL
PROSECUTIONS.

Denis

SIGNATURE: _____

Ticket : A13897 05/02/91 I: 12:33 pm
Customer: BFI - NEW YORK
Account : 0011208 LMS# 3 O: 01:02 pm
Truck : 4-265
64880
Checker : Karen S.
Gr: 41.53 Scale 1
Tare: 16.73 Scale 1 Net: 24.80 tn
Source: BFI NY/Allied Signal CTS

Volume	Contents
24.80 TN	Cont. Soil

Have a good day!



No: 014125

BROWNING-FERRIS INDUSTRIES

NIAGARA LANDFILL INC.

4825 RIVER ROAD

TONAWANDA, NY 14150

TELEPHONE: (716) 876-9444

MAILING ADDRESS:

2321 KENMORE AVE.

P.O. BOX 9

KENMORE, NY 14217

TELEPHONE: (716) 873-7500

WARNING

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PERSONS VIOLATING THIS PROHIBITION
ARE SUBJECT TO CIVIL AND CRIMINAL
PROSECUTIONS.

Dennis

SIGNATURE: _____

NE LF 110

Ticket : A13815 05/02/91 I: 09:12 am
Customer: BFI - NEW YORK
Account : 0011208 LMS# 3 O: 09:48 am
Truck : 4-265
84880
Checker : Karen S.
Gr: 38.30 Scale 1
Tare: 16.34 Scale 1 Net: 21.96 tn
Source: BFI NY/Allied Signal CTS

Volume Contents

21.96 TN Cont. Soil

Have a good day!





BUFFALO DISTRICT

873-7500

362704

DATE: 5/3/91 JOB# _____

TRUCKER:

BFI 264-1588

COMPANY

ASSIGNED TO: ALLIED Signal

JOB LOCATION:

River Rd Sawyer

JOB DESCRIPTION:

Contaminated Soil

START	STOP	TOTAL
8:00	2:00	6
# LOADS	# TONS	DUMP SITE
4		mag L.F.

MATERIAL HANDLING

1	Contaminated Soil	
2	4 loads	10
3	1# 26.25 TON	11
4	2# 25.66 TON	12
5	3# 26.21 TON	13
6	4# 26.02 TON	14
7		15
8		16

4 lines

R. Reed

DRIVER SIGNATURE

Dennis Kane

CUSTOMER SIGNATURE



BUFFALO DISTRICT

873-7500

362705

DATE: 5/3/91 JOB# _____

TRUCKER:

BFI 264-1588

COMPANY

ASSIGNED TO: ALLIED Signal

JOB LOCATION:

River Rd Sawyer

JOB DESCRIPTION:

Contaminated Soil

START	STOP	TOTAL
2:30	4:00	1 1/2
# LOADS	# TONS	DUMP SITE
1		mag L.F.

MATERIAL HANDLING

1	Contaminated Soil	9
2	1# 24.96	10
3		11
4		12
5		13
6		14
7		15
8		16

R. ReedDennis Kane



BUFFALO DISTRICT
873-7500

361482

DATE 5/3/91 JOB# _____

RUCKER: BFI

COMPANY
ASSIGNED TO: ALUETED SIGNAL

JOB LOCATION STURGE ROAD & SAWYER

JOB DESCRIPTION CONTAMINATED SOIL TO NLF

TICKET# MATERIAL HANDLING WEIGHT			START	STOP	TOTAL
1	14351	24.39TN	8:00 AM	12:30	4 1/2
2	14380	20.80TN	• LOADS	• TONS	DUMP SITE
3	14418	19.32TN	3	64.51	NLF
4					
5					
6					
7					
8					

[Signature]
DRIVER SIGNATURE

[Signature]
CUSTOMER SIGNATURE





No: 014439

BROWNING-FERRIS INDUSTRIES

NIAGARA LANDFILL INC.
4825 RIVER ROAD
TONAWANDA, NY 14150
TELEPHONE: (716) 876-9444

MAILING ADDRESS:
2321 KENMORE AVE.
P.O. BOX 9
KENMORE, NY 14217
TELEPHONE: (716) 876-7500

WARNING

TRANSPORTING ANY UNAUTHORIZED
HAZARDOUS WASTE TO THIS FACILITY
FOR DISPOSAL IS PROHIBITED BY LAW.
PERSONS VIOLATING THIS PROHIBITION
ARE SUBJECT TO CIVIL AND CRIMINAL
PROSECUTIONS.

SIGNATURE: *R. Beck*

NE LF 118

Tick: A14128 05/03/91 I: 12:54 pm
Customer: BFI - NEW YORK
Account: 0011208 LMS# 3 O: 01:37 pm
Truck: 4-264 Trailer: 1588
64880
Checker: Karen S.
Gr: 42.76 Scale 1
Tare: 16.74 Scale 1 Net: 26.02 tn
Source: BFI NY/Allied Signal CTS

Volume	Contents
26.02 TN	Cont. Soil

Have a good day!



No: 014405

BROWNING-FERRIS INDUSTRIES

NIAGARA LANDFILL INC.
4825 RIVER ROAD
TONAWANDA, NY 14150
TELEPHONE: (716) 876-9444

MAILING ADDRESS:
2321 KENMORE AVE.
P.O. BOX 9
KENMORE, NY 14217
TELEPHONE: (716) 876-7500

WARNING

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PROSECUTIONS.

SIGNATURE: *R. Beck*

NE LF 118

Tick: A14103 05/03/91 I: 11:23 am
Customer: BFI - NEW YORK
Account: 0011208 LMS# 3 O: 11:41 am
Truck: 4-264 Trailer: 1588
64880
Checker: Karen S.
Gr: 43.01 Scale 1
Tare: 16.80 Scale 1 Net: 26.21 tn
Source: BFI NY/Allied Signal CTS

Volume	Contents
26.21 TN	Cont. Soil

Have a good day!



No: 014366

BROWNING-FERRIS INDUSTRIES

NIAGARA LANDFILL INC.
4825 RIVER ROAD
TONAWANDA, NY 14150
TELEPHONE: (716) 876-9444

MAILING ADDRESS:
2321 KENMORE AVE.
P.O. BOX 9
KENMORE, NY 14217
TELEPHONE: (716) 873-7500

WARNING

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PROSECUTIONS.

R. Reed

SIGNATURE: _____

NE LP 116

Ticket : A14064 05/03/91 I: 09:58 am
Customer: BFI - NEW YORK
Account : 0011208 LMS# 3 O: 10:13 am
Truck : 4-264 Trailer: 1568
64380
Checker : Karen S.
Gr: 42.50 Scale 1
Tare: 16.84 Scale 1 Net: 25.66 tn
Source: BFI NY/Allied Signal CTS

Volume	Contents
25.66	TN Cont. Soil

Have a good day!



No: 014342

BROWNING-FERRIS INDUSTRIES

NIAGARA LANDFILL INC.
4825 RIVER ROAD
TONAWANDA, NY 14150
TELEPHONE: (716) 876-9444

MAILING ADDRESS:
2321 KENMORE AVE.
P.O. BOX 9
KENMORE, NY 14217
TELEPHONE: (716) 873-7500

WARNING

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HAZARDOUS WASTE TO THIS FACILITY
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ARE SUBJECT TO CIVIL AND CRIMINAL
PROSECUTIONS.

R. Reed

SIGNATURE: _____

NE LP 116

Ticket : A14038 05/03/91 I: 08:43 am
Customer: BFI - NEW YORK
Account : 0011208 LMS# 3 O: 09:04 am
Truck : 4-264 Trailer: 1568
64880
Checker : Karen S.
Gr: 43.11 Scale 1
Tare: 16.86 Scale 1 Net: 26.25 tn
Source: BFI NY/Allied Signal CTS

Volume	Contents
26.25	TN Cont. Soil

Have a good day!



No: 014475

BROWNING-FERRIS INDUSTRIES

NIAGARA LANDFILL INC.
4825 RIVER ROAD
TONAWANDA, NY 14150
TELEPHONE: (716) 876-9444

MAILING ADDRESS:
2321 KENMORE AVE.
P.O. BOX 9
KENMORE, NY 14217
TELEPHONE: (716) 873-7500

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HAZARDOUS WASTE TO THIS FACILITY
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PROSECUTIONS.

SIGNATURE: *R. Reed*

NE LP 118

Ticket : A14173 05/03/91 I: 03:26 pm
Customer: BFI - NEW YORK
Account : 0011208 LMS# 3 O: 03:45 pm
Truck : 4-264 Trailer: 1538
64830
Checker : Karen S.
Gr: 41.81 Scale 1
Tare: 16.65 Scale 1 Net: 24.96 tn
Source: BFI NY/Allied Signal CTS

Volume	Contents
24.96 TN Cont. Soil	

Have a good day!



No: 014418

BROWNING-FERRIS INDUSTRIES

NIAGARA LANDFILL INC.
4825 RIVER ROAD
TONAWANDA, NY 14150
TELEPHONE: (716) 876-9444

MAILING ADDRESS:
2321 KENMORE AVE.
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KENMORE, NY 14217
TELEPHONE: (716) 873-7500

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PROSECUTIONS.

SIGNATURE: *Dennis*

NE LP 118

Ticket : A14108 05/03/91 I: 11:39 am
Customer: BFI - NEW YORK
Account : 0011208 LMS# 3 O: 12:08 pm
Truck : 4-265
64830
Checker : Karen S.
Gr: 36.08 Scale 1
Tare: 16.76 Scale 1 Net: 19.32 tn
Source: BFI NY/Allied Signal CTS

Volume	Contents
19.32 TN Cont. Soil	

Have a good day!



No: 014380

BROWNING-FERRIS INDUSTRIES

NIAGARA LANDFILL INC.
4825 RIVER ROAD
TONAWANDA, NY 14150
TELEPHONE: (716) 876-9444

MAILING ADDRESS:
2321 KENMORE AVE.
P.O. BOX 9
KENMORE, NY 14217
TELEPHONE: (716) 873-7500

WARNING

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HAZARDOUS WASTE TO THIS FACILITY
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PROSECUTIONS.

SIGNATURE: _____

NE LF 118

Ticket : A14079 05/03/91 I: 10:21 am
Customer: BFI - NEW YORK
Account : 0011208 LMS# 3 O: 10:47 am
Truck : 4-265
64880
Checker : Karen S.
Gr: 37.54 Scale 1
Tare: 16.74 Scale 1 Net: 20.80 tn
Source: BFI NY/Allied Signal CTS

Volume	Contents
20.80 TN	Cont. Soil

Have a good day!



No: 014351

BROWNING-FERRIS INDUSTRIES

NIAGARA LANDFILL INC.
4825 RIVER ROAD
TONAWANDA, NY 14150
TELEPHONE: (716) 876-9444

MAILING ADDRESS:
2321 KENMORE AVE.
P.O. BOX 9
KENMORE, NY 14217
TELEPHONE: (716) 873-7500

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PROSECUTIONS.

SIGNATURE: _____

NE LF 118

Ticket : A14050 05/03/91 I: 09:12 am
Customer: BFI - NEW YORK
Account : 0011208 LMS# 3 O: 09:26 am
Truck : 4-265
64880
Checker : Karen S.
Gr: 41.15 Scale 1
Tare: 16.76 Scale 1 Net: 24.39 tn
Source: BFI NY/Allied Signal CTS

Volume	Contents
24.39 TN	Cont. Soil

Have a good day!



BUFFALO DISTRICT
873-7500

370034

DATE: 5/1/91 JOB# _____

TRUCKER: BET Buffalo 009-1588-1608

COMPANY
ASSIGNED TO: ALLIED SIGNAL

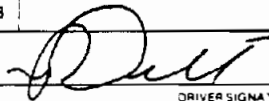
JOB LOCATION: RIVER RD TOWN


JOB DESCRIPTION _____

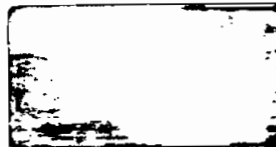
START	STOP	TOTAL
8 ⁰⁰	4 ⁰⁰	2 1/2
*LOADS	*TONS	DUMPSITE
4	106.90	NLP

MATERIAL HANDLING

1	14565	Cont Soil	23.64	9	NO Toll Road
2	14609	Cont Soil	32.28	10	H LINERS
3	14648	Cont Soil	24.33	11	
4	14626	Cont Soil	26.65	12	
5			106.90	13	
6				14	
7				15	
8				16	


DRIVER SIGNATURE


CUSTOMER SIGNATURE





BUFFALO DISTRICT
873-7500

362502

DATE 5/6/91 JOB# _____

TRUCKER: BFI - BUFFALO

COMPANY
ASSIGNED TO ALLIED SIGNAL

JOB LOCATION RIVER RD + SAWYER RD.

JOB DESCRIPTION TONAWANDA N.Y.
CONTAMINATED SOIL

START	STOP	TOTAL
7 ³⁰ _A	3 ⁴⁵ _P	8 ³ ₄ HRS
* LOADS	* TONS	DUMP SITE
4		NLF

MATERIAL HANDLING

1	Tk # 014557	WT. 20.18 w/hw	10
2	Tk # 014595	WT. 23.13 w/hw	11
3	Tk # 014619	WT. 24.26 w/hw	12
4	Tk # 014658	WT. 24.74 w/hw	13
5			14
6			15
7			16
8			

Bob McQuinn
DRIVER SIGNATURE

Dennis Kane
CUSTOMER SIGNATURE





No: 014619

BROWNING-FERRIS INDUSTRIES

NIAGARA LANDFILL INC.
4825 RIVER ROAD
TONAWANDA, NY 14150
TELEPHONE: (716) 876-9444

MAILING ADDRESS:
2321 KENMORE AVE.
P.O. BOX 9
KENMORE, NY 14217
TELEPHONE: (716) 873-7500

WARNING

TRANSPORTING ANY UNAUTHORIZED
HAZARDOUS WASTE TO THIS FACILITY
FOR DISPOSAL IS PROHIBITED BY LAW.
PERSONS VIOLATING THIS PROHIBITION
ARE SUBJECT TO CIVIL AND CRIMINAL
PROSECUTIONS.

SIGNATURE: 

NE LF 116

Ticket : A14309 05/06/91 I: 11:47 am
Customer: BFI - NEW YORK
Account : 0011208 LMS# 3 O: 12:04 pm
Truck : 4-261
64380
Checker : Karen S.
Gr: 41.07 Scale 1
Tare: 16.81 Scale 1 Net: 24.26 tn
Source: BFI NY/Allied Signal CTS

Volume	Contents
--------	----------

24.26 TN	Cont. Soil
----------	------------

Have a good day!



No: 014658

BROWNING-FERRIS INDUSTRIES

NIAGARA LANDFILL INC.
4825 RIVER ROAD
TONAWANDA, NY 14150
TELEPHONE: (716) 876-9444

MAILING ADDRESS:
2321 KENMORE AVE.
P.O. BOX 9
KENMORE, NY 14217
TELEPHONE: (716) 873-7500

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PROSECUTIONS.

Ticket : A14355 05/06/91 I: 01:49 pm
Customer: BFI - NEW YORK
Account : 0011208 LMS# 3 O: 02:07 pm
Truck : 4-261
64380
Checker : John K.
Gr: 41.40 Scale 1
Tare: 16.66 Scale 1 Net: 24.74 tn
Source: BFI NY/Allied Signal CTS

Volume	Contents
--------	----------

24.74 TN	Cont. Soil
----------	------------

Have a good day!



No: 014595

BROWNING-FERRIS INDUSTRIES

NIAGARA LANDFILL INC.
4825 RIVER ROAD
TONAWANDA, NY 14150
TELEPHONE: (716) 876-9444

MAILING ADDRESS:
2321 KENMORE AVE.
P.O. BOX 9
KENMORE, NY 14217
TELEPHONE: (716) 873-7500

WARNING

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HAZARDOUS WASTE TO THIS FACILITY
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ARE SUBJECT TO CIVIL AND CRIMINAL
PROSECUTIONS.

SIGNATURE: *Bob Mac*

NE LF 116

Ticket : A14258 05/06/91 I: 10:36 am
Customer: BFI - NEW YORK
Account : 0011208 LMS# 3 O: 10:36 am
Truck : 4-261
64880
Checker : Karen B.
Gr: 39.31 Scale 1
Tare: 16.78 Scale 1 Net: 22.13 tn
Source: BFI NY/Allied Signal CTS

Volume	Contents
22.13 TN	Cont. Soil

Have a good day!



No: 014557

BROWNING-FERRIS INDUSTRIES

NIAGARA LANDFILL INC.
4825 RIVER ROAD
TONAWANDA, NY 14150
TELEPHONE: (716) 876-9444

MAILING ADDRESS:
2321 KENMORE AVE.
P.O. BOX 9
KENMORE, NY 14217
TELEPHONE: (716) 873-7500

WARNING

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HAZARDOUS WASTE TO THIS FACILITY
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PROSECUTIONS.

Ticket : A14247 05/06/91 I: 08:51 am
Customer: BFI - NEW YORK
Account : 0011208 LMS# 3 O: 09:18 am
Truck : 4-261
64880
Checker : Karen S.
Gr: 36.97 Scale 1
Tare: 16.79 Scale 1 Net: 20.18 tn
Source: BFI NY/Allied Signal CTS

Volume	Contents
20.18 TN	Cont. Soil

Have a good day!

Bob



No:014676

BROWNING-FERRIS INDUSTRIES

NIAGARA LANDFILL INC.
4825 RIVER ROAD
TONAWANDA, NY 14150
TELEPHONE: (716) 876-9444

MAILING ADDRESS:
2321 KENMORE AVE.
P.O. BOX 9
KENMORE, NY 14217
TELEPHONE: (716) 873-7500

WARNING

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HAZARDOUS WASTE TO THIS FACILITY
FOR DISPOSAL IS PROHIBITED BY LAW.
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ARE SUBJECT TO CIVIL AND CRIMINAL
PROSECUTIONS.

SIGNATURE: 

NE LF 118

Ticket : A14369 05/06/91 I: 02:42 pm
Customer: BFI - NEW YORK
Account : 0011208 LMS# 3 O: 02:56 pm
Truck : 9
64860
Checker : John K.
Gr: 42.33 Scale 1
Tare: 15.68 Scale 1 Net: 26.65 tn
Source: BFI NY/Allied Signal CTS

Volume	Contents
26.65 TN	Cont. Soil

Have a good day!



No:014648

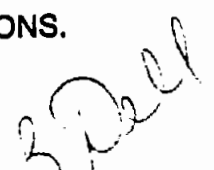
BROWNING-FERRIS INDUSTRIES

NIAGARA LANDFILL INC.
4825 RIVER ROAD
TONAWANDA, NY 14150
TELEPHONE: (716) 876-9444

MAILING ADDRESS:
2321 KENMORE AVE.
P.O. BOX 9
KENMORE, NY 14217
TELEPHONE: (716) 873-7500

WARNING

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HAZARDOUS WASTE TO THIS FACILITY
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ARE SUBJECT TO CIVIL AND CRIMINAL
PROSECUTIONS.



Ticket : A14345 05/06/91 I: 01:22 pm
Customer: BFI - NEW YORK
Account : 0011208 LMS# 3 O: 01:39 pm
Truck : 9
64880
Checker : Karen S.
Gr: 40.05 Scale 1
Tare: 15.72 Scale 1 Net: 24.33 tn
Source: BFI NY/Allied Signal CTS

Volume	Contents
24.33 TN	Cont. Soil

Have a good day!



No: 014609

BROWNING-FERRIS INDUSTRIES

NIAGARA LANDFILL INC.
4825 RIVER ROAD
TONAWANDA, NY 14150
TELEPHONE: (716) 876-9444

MAILING ADDRESS:
2321 KENMORE AVE.
P.O. BOX 9
KENMORE, NY 14217
TELEPHONE: (716) 873-7500

WARNING

TRANSPORTING ANY UNAUTHORIZED
HAZARDOUS WASTE TO THIS FACILITY
FOR DISPOSAL IS PROHIBITED BY LAW.
PERSONS VIOLATING THIS PROHIBITION
ARE SUBJECT TO CIVIL AND CRIMINAL
PROSECUTIONS.

SIGNATURE: *Bob Dell*

NELF 118

Ticket : A14301 05/06/91 I: 11:19 am
Customer: BFI - NEW YORK
Account : 0011208 LMS# 3 O: 11:40 am
Truck : 9
#4880
Checker : Karen S.
Gr: 48.08 Scale 1
Tare: 15.80 Scale 1 Net: 32.28 tn
Source: BFI NY/Allied Signal CTS

Volume	Contents
32.28 TN Cont. Soil	

Have a good day!



No: 014565

BROWNING-FERRIS INDUSTRIES

NIAGARA LANDFILL INC.
4825 RIVER ROAD
TONAWANDA, NY 14150
TELEPHONE: (716) 876-9444

MAILING ADDRESS:
2321 KENMORE AVE.
P.O. BOX 9
KENMORE, NY 14217
TELEPHONE: (716) 873-7500

WARNING

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HAZARDOUS WASTE TO THIS FACILITY
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ARE SUBJECT TO CIVIL AND CRIMINAL
PROSECUTIONS.

Ticket : A14259 05/06/91 I: 09:25 am
Customer: BFI - NEW YORK
Account : 0011208 LMS# 3 O: 09:44 am
Truck : 9
#4880
Checker : Karen S.
Gr: 39.46 Scale 1
Tare: 15.82 Scale 1 Net: 23.64 tn
Source: BFI NY/Allied Signal CTS

Volume	Contents
23.64 TN Cont. Soil	

Have a good day!



BUFFALO DISTRICT
873-7500

362503

DATE: 5/19/91 JOB# _____

TRUCKER: BFI - Buffalo 261-1587

COMPANY
ASSIGNED TO: ALLIED SIGNAL

JOB LOCATION: RIVER RD + SAUYER RD. TONAWANDA

JOB DESCRIPTION: CONTAMINATED SOIL

START	STOP	TOTAL
<u>7</u> <u>30</u> <u>A.</u>	<u>10</u> <u>30</u> <u>A.</u>	<u>3</u> <u>hrs</u>
# LOADS	# TONS	DUMP SITE
<u>1</u>	<u>30.64</u>	<u>NLF</u>

MATERIAL HANDLING

1	<u>TKO 15240 WT. 30.64 w/liner</u>	9
2		10
3		11
4		12
5		13
6		14
7		15
8		16

DRIVER SIGNATURE

CUSTOMER SIGNATURE





No: 015240

BROWNING-FERRIS INDUSTRIES

NIAGARA LANDFILL INC.
4825 RIVER ROAD
TONAWANDA, NY 14150
TELEPHONE: (716) 876-9444

MAILING ADDRESS:
2321 KENMORE AVE.
P.O. BOX 9
KENMORE, NY 14217
TELEPHONE: (716) 873-7500

WARNING

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HAZARDOUS WASTE TO THIS FACILITY
FOR DISPOSAL IS PROHIBITED BY LAW.
PERSONS VIOLATING THIS PROHIBITION
ARE SUBJECT TO CIVIL AND CRIMINAL
PROSECUTIONS.

SIGNATURE: _____

Bob Mac

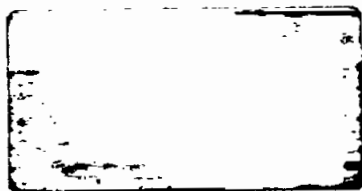
NE LF 118

Ticket : A14905 05/09/91 I: 09:18 am
Customer: BFI - NEW YORK
Account : 0011208 LMS# 3 O: 09:57 am
Pick : 4-261
54880
Checker : Karen S.
Gross: 47.46 Scale 1
Tare: 16.32 Scale 1 Net: 30.64 tn
Source: BFI NY/Allied Signal CTS

Volume Contents

30.64 TN Cont. Soil

Have a good day!



CECOS

NON-HAZARDOUS WASTE MANIFEST

INTERNATIONAL INC
CHEMICAL AND ENVIRONMENTAL CONSERVATION SYSTEMS, INC.

Work Order No. 273656

GENERATOR

Generator EPA
I.D. Number

N/A

CECOS T.S.D.F.
EPA I.D. Number

NY 0051809952

Generator Name Alco - Fuel

CECOS T.S.D.F. Location NY Fuel

Address 3621 B...

Address ...

Phone No. 201-455-438

Phone No. ...

CECOS Product Code

4235-9AC

Proper U.S.D.O.T. Shipping Name, Hazard Class and
I.D. Number

N/A

Quantity

Units

Containers

No.

Type

Codes

D - Drum
C - Carton
B - Bag
T - Truck
P - Pounds
Y - Yards
O - Other

5 0 0 0

6 1

1

T

I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Dennis Kruse
Generator Authorized Agent Name

Dennis Kruse
Signature

050391
Shipment Date

TRANSPORTER

Transporter EPA I.D. Number

NY 0051809952

Transporter Name BFI - Fuel Corp.

Driver Name (Print) Michael Bolden

Address Alco Fuel NY

Vehicle License No./State 46773A NY

Vehicle Certification 9AC 98

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Michael Bolden
Driver Signature

050391
Shipment Date

Michael Bolden
Driver Signature

050391
Delivery Date

DESTINATION

Site Name BFI - Ceres

Address 56th / NEB Niagara Falls NY

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Terri Navagh
Name of Authorized Agent

Terri Navagh
Signature

050391
Receipt Date



No.: 002383

Ticket : A16108 05/03/91 I: 01:30 pm
Customer: SEE GENERATOR
Account : 0000042 LMS# 100 O: 02:48 pm
Truck : 6724

Cecos

No Product Code

P.O. No : 273656

Checker : Pam S.

Gr: 36.25 Scale 1

Tare: 19.43 Scale 1 Net: 16.82 tn

Generator: **ALLIED SIGNAL**

Transporter: Buffalo Fuel Corp.

Source: Direct

Volume	Contents
--------	----------

16.82 CT	Special
----------	---------

S.G 1.02

Have a good day!

SIGNATURE: M. B. Brady

CECOS

INTERNATIONAL INC

CHEMICAL AND ENVIRONMENTAL CONSERVATION SYSTEMS, INC.

NON-HAZARDOUS WASTE MANIFEST



GENERATOR

Generator EPA I.D. Number

N/A

CECOS T.S.D.F. EPA I.D. Number

0030336241

Generator Name Allied-Signal

CECOS T.S.D.F. Location Niagara Falls

Address 3521 River Road

Address 100 Niagara Falls Blvd

Tonawanda, NY 14150

Niagara Falls, NY 14204

Phone No. 201-4555488

Phone No. 716-2822676

CECOS Product Code

12025-AA3

Proper U.S.D.O.T. Shipping Name, Hazard Class and I.D. Number

N/A

Quantity

Units

Containers' No. Type

5000 G 01 T

Codes
D - Drum
C - Carton
B - Bag
T - Truck
P - Pounds
Y - Yards
O - Other

I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

DENNIS KRAUSE
Generator Authorized Agent Name

Dennis Krause
Signature

050691
Shipment Date

TRANSPORTER

Transporter EPA I.D. Number NY 0051809952

Transporter Name Biffle Fuel Corp

Driver Name (Print) Michael Brady

Address Niagara Falls NY

Vehicle License No./State 46773A

Vehicle Certification 90098

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Michael Brady 050691
Driver Signature Shipment Date

Michael Brady 050691
Driver Signature Delivery Date

DESTINATION

Site Name CECOS INT

Address Niagara Falls NY

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

SAMIR HADDAD
Name of Authorized Agent

Samir Haddad
Signature

050691
Receipt Date



No. 302397

Ticket : A16385 05/06/91 1: 09:06 am
Customer: SEE GENERATOR
Account : 0000042 LMS# 100 0: 09:58 am
Truck : 8724

CECOS INTERNATIONAL, INC.
56th ST. & NIAGARA FALLS BLVD.
NIAGARA FALLS, NY 14304

Cecos

No Product Code

P.O. No : 273657

Checker : Pam S.

Gr: 38.76 Scale 1

Tare: 19.34 Scale 1 Net: 19.42 tn

Generator: Same *ALLIED-SIGNAL*

Transporter: Buffalo Fuel Corp.

Source: Direct

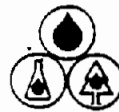
Volume	Contents
--------	----------

19.42 CT	Special
----------	---------

S.G. 102

Have a good day!

SIGNATURE: *Mark Beaulieu*



No.: 002398

- Ticket : A16342 05/06/91 1: 09:45 am
Customer: SEE GENERATOR
Account : 0000042 LMS# 100 0: 10:46 am
- Truck : 374
Cecos
No Product Code
- H.O. No : 273638
Checker : Pam S.
Gr: 40.36 Scale 1
Tare: 18.53 Scale 1 Net: 21.83 tn
- Generator: Same *ALLIED SIGNAL*
Transporter: Buffalo Fuel Corp.
Source: Direct

CECOS INTERNATIONAL, INC.
56th ST. & NIAGARA FALLS BLVD.
NIAGARA FALLS, NY 14304

- Volume Contents

- 21.83 CT Special

5.6 1.02

- Have a good day!

SIGNATURE: 

CECOS

INTERNATIONAL INC

CHEMICAL AND ENVIRONMENTAL CONSERVATION SYSTEMS, INC.

NON-HAZARDOUS WASTE MANIFEST

Work Order No. 273659

GENERATOR

Generator EPA
I.D. Number

NA

CECOS T.S.D.F.
EPA I.D. Number

NYD080336241

Generator Name

Allied-Signal

CECOS T.S.D.F. Location

Niagara Falls

Address

3521 River Road

Address

7600 Niagara Falls

TONAWANDA, NY 14150

Niagara Falls, NY 14201

Phone No.

201-4555458

Phone No.

716-2822276

CECOS Product Code

1235-ARB

Proper U.S.D.O.T. Shipping Name, Hazard Class and
I.D. Number

NOT
APPLICABLE

Quantity

Units

Containers

No.

Type

Codes

D - Drum
C - Carton
B - Bag
T - Truck
P - Pounds
Y - Yards
O - Other

5	0	0	0	6	0	1	T

I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name

DENNIS KINSE

Signature

Dennis Kinse

Shipment Date

050671

TRANSPORTER

Transporter EPA I.D. Number

NYD051809952

Transporter Name

BUFFALO FUEL CORP.

Driver Name (Print)

LEON GUILLIANI

Address

2445 ALLEN AVE.

Vehicle License No./State

77207Z NY

NIAGARA FALLS, N.Y. 14303

Vehicle Certification

9A-098

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature

Leon Giuliani

Shipment Date

050691

Driver Signature

Leon Giuliani

Delivery Date

050691

DESTINATION

Site Name

BFI-CECOS

Address

56th / NFB Niagara Falls, NY

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent

Terri Navagh

Signature

Terri Navagh

Receipt Date

050671



No.: 002399

Ticket : 016358 05206/91 1: 10:40 am
Customer : SEE GENERATOR
Account : 0000042 LMS# 100 0: 11:40 am
Truck : 6713

CECOS INTERNATIONAL, INC.
56th ST. & NIAGARA FALLS BLVD.
NIAGARA FALLS, NY 14304

Cecos
No Product Code
P.O. No : 273859
Checker : Pam S.
Gr: 40.10 Scale 1
Tare: 18.26 Scale 1 Net: 21.84 tn
Generator: Same *Oilred Signal*
Transporter: Buffalo Fuel Corp.
Source: Direct

Volume	Contents
--------	----------

21.84 CT	Special
----------	---------

Have a good day!

S.G 1.02

SIGNATURE: *Leon Fulkari*

CECOS

NON-HAZARDOUS WASTE MANIFEST

INTERNATIONAL INC

CHEMICAL AND ENVIRONMENTAL CONSERVATION SYSTEMS, INC.

Work Order No. 273660**GENERATOR**Generator EPA
I.D. NumberNY 12CECOS T.S.D.F.
EPA I.D. NumberNY 0050336241

Generator Name

Amesbury Corp

CECOS T.S.D.F. Location

Niagara Falls

Address

201 E. 1st St

Address

201 E. 1st StTownship NY 14100Niagara Falls NY 14100

Phone No.

212-455488

Phone No.

716-2322670

CECOS Product Code

1500-AABProper U.S.D.O.T. Shipping Name, Hazard Class and
I.D. Number

(NOT
APPLICABLE)
GROUNDWATER - 100%
Non-Hazardous / Non-Regulated

Quantity

5000.0

Units

G

Containers

No.

01

Type

T

Codes

D - Drum
C - Carton
B - Bag
T - Truck
P - Pounds
Y - Yards
O - Other

I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name

Dennis Krause

Signature

Dennis Krause

Shipment Date

050691**TRANSPORTER**

Transporter EPA I.D. Number

NY 0051909952

Transporter Name

Buffalo Fuel Corp

Driver Name (Print)

Mike Bradley

Address

Niagara Falls NY

Vehicle License No./State

46773 A

Vehicle Certification

90098

I hereby certify that the above named material was picked up at the generator/site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature

Mike Bradley

Shipment Date

050691

Driver Signature

Mike Bradley

Delivery Date

050691**DESTINATION**

Site Name

BFI-CECOS

Address

26th Ave Niagara Falls NY

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent

Peter Novack

Signature

Peter Novack

Receipt Date

050691



No. 002402

101
Ticket : 418425 05/06/81 I: ~~418425~~ cm
Customer: 562 GENERATOR
Account : 0000042 LMS# 100 G: 07:05 cm
Truck : 5724

CECOS INTERNATIONAL, INC.
56th ST. & NIAGARA FALLS BLVD.
NIAGARA FALLS, NY 14304

Cecos
No Product Code
Manifest: 273660
Inspector : Bill L.
Gr: 34.41 Manual
Tare: 19.51 Scale 1 Net: 14.90 lb
Generator: Same
Transporter: Buffalo Fuel Corp.
Source: Direct

Volume Contents

14.90 lb Diesel

SG 1.07

Have a good day!

SIGNATURE: Mike Brall

CECOS

INTERNATIONAL INC

CHEMICAL AND ENVIRONMENTAL CONSERVATION SYSTEMS, INC.

NON-HAZARDOUS WASTE MANIFEST

Work Order No. 273661

GENERATOR

Generator EPA
I.D. Number

N/A

CECOS T.S.D.F.
EPA I.D. Number

NY D O 8 0 3 8 6 2 4 1

Generator Name Allied-Signal

CECOS T.S.D.F. Location Niagara Falls

Address 3521 Dwyer Rd.

Address 5600 Niagara Falls Blvd.

Tonawanda, NY 14120

Niagara Falls, NY 14204

Phone No. 2 0 1 - 4 5 5 5 4 8 8

Phone No. 7 1 6 - 2 8 2 2 6 7 6

CECOS Product Code

12025-AAB

Proper U.S.D.O.T. Shipping Name, Hazard Class and
I.D. Number

N/A
100% GROUNDWATER
NON-HAZARDOUS / NON-POISONOUS

Quantity

Units

Containers

No.

Type

0	0	0	0	0	0	6	0	1	T

Codes

D - Drum
C - Carton
B - Bag
T - Truck
P - Pounds
Y - Yards
O - Other

I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

DENNIS KRAUS

Dennis Kraus

0 5 0 7 9 1

Authorized Agent Name

Signature

Shipment Date

TRANSPORTER

Transporter EPA I.D. Number

NY D O 5 1 8 0 9 9 5 2

Company Name BUFFALO FUEL CORP

Driver Name (Print) ROBERT S. HEFFNER

2445 ALLEN AVE

Vehicle License No./State 46773A-NY

NIAGARA FALLS NY

Vehicle Certification 94-098

I hereby certify that the above named material was picked up at the site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

R. Heffner

0 5 0 7 9 1

Shipment Date

Charles Heffner

Driver Signature

0 5 0 8 9 1

Delivery Date

DESTINATION

CECOS INTL

Niagara Falls, NY

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

AMIR HADDAD

Receiving Agent

Sam H. Haddad

Signature

0 5 0 8 9 1

Receipt Date

APPENDIX C
BACKFILL ANALYSIS AND DENSITY TESTING RESULTS

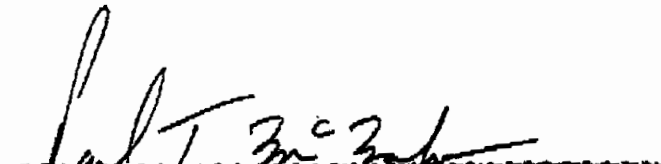


ANALYSIS OF SOIL/CLAY FOR SPECIFIC PARAMETERS

Report Prepared For

OHM OF CANADA, LTD.


Maura S. Cattarin
Customer Service Representative


Paul T. McMahon
Quality Control Officer

May 8, 1991
AES Report FES

COMMITMENT
TO
HONESTY - QUALITY - SERVICE

ADVANCED ENVIRONMENTAL SERVICES, INC.
LABORATORY REPORT

Type of Analysis: INORGANICS

Client: OHM CORPORATION A.E.S. JOB CODE FES

AES Lab No. -	3604
Sample ID -	BACKFILL MATERIAL
Method Quant. No. Limits	GRAB/COMP 4/30/91
Sample Date-	
9012	0.1
BQL *	

Total Cyanide (mg/kg)

* Below Quantifiable Limits

Gary L. Amato

Gary L. Amato
Technical Supervisor

Job Code: FES

Date of Analysis

Carol Klayovska

REC 5/3/91

3604

~~3609~~

3604

503D/503E

~~3352~~

9012

5-2-91

5-7-9

5-3-91

ADVANCED ENVIRONMENTAL SERVICES, INC.
LABORATORY REPORT

Type of Analysis: INORGANICS

Client: OHM CORPORATION A.E.S. Job Code FES

(All results are in mg/kg)

Analytical Parameter(s)	Method No.	Quant. Limits	Sample Date-	AES Lab No. - 3604	
				Sample ID -	BACKFILL MATERIAL GRAB/COMP 4/30/91
total Arsenic	7060	0.500			4.86
total Barium	7080	100.0			BQL *
total Cadmium	7131	0.050			0.85
total Chromium	7190	50.0			BQL
total Lead	7420	100			BQL
total Mercury	7471	0.500			BQL
total Mercury	7471	0.500			BQL
total Selenium	7740	0.500			BQL
total Silver	7761	0.100			BQL

* Below Quantifiable Limits

Dave L. Amato
Gary L. Amato
Technical Supervisor

ADVANCED ENVIRONMENTAL SERVICES, INC.
LABORATORY REPORT

Type of Analysis: POLYCHLORINATED BIPHENYLS

Units of Measure: Milligrams/Kilogram, or ppm
Client: OHM CORPORATION A.E.S. Job Code FES

AES Lab No. - 3604
Sample ID - BACKFILL
MATERIAL
GRAB/COMP
04/30/91

Analytical
Parameter(s) Method Quant.
No. Limits Sample Date-

Analytical Parameter(s)	Method No.	Quant. Limits	Sample Date-	BQL *
PCB-1242	8080	.100		"
PCB-1254	"	"		"
PCB-1221	"	"		"
PCB-1232	"	"		"
PCB-1248	"	"		"
PCB-1260	"	"		"
PCB-1016	"	"		"

Below Quantifiable Limit.

3

Denise R. Tuhovak

Denise R. Tuhovak
Organics Supervisor

ADVANCED ENVIRONMENTAL SERVICES, INC.
LABORATORY REPORT

Type of Analysis: P.P. VOLATILES

Units of Measure: Milligrams/Kilogram, or ppm
Client: OHM CORPORATION A.E.S. Job Code FES

Analytical Parameter(s)	Method No.	Quant. Limits	AES Lab No. - Sample ID -		BQL #
			3604 Sample ID -	BACKFILL MATERIAL GRAB/COMP 04/30/91	
Chloromethane	8240	0.25	"	"	"
Vinyl Chloride	"	"	"	"	"
Chloroethane	"	"	"	"	"
Bromomethane	"	"	"	"	"
1,1-Dichloroethene	"	"	"	"	"
Methylene Chloride	"	"	"	"	"
trans-1,2-Dichloroethene	"	"	"	"	"
cis-1,2-Dichloroethene	"	"	"	"	"
Chloroform	"	"	"	"	"
1,1-Trichloroethane	"	"	"	"	"
Carbon Tetrachloride	"	"	"	"	"
Benzene	"	"	"	"	"
2-Dichloroethane	"	"	"	"	"
Trichloroethene	"	"	"	"	"
2-Dichloropropane	"	"	"	"	"
Bromodichloromethane	"	"	"	"	"
Chloroethyl vinyl ether	"	"	"	"	"
cis-1,3-Dichloropropene	"	"	"	"	"
Styrene	"	"	"	"	"
trans-1,3-Dichloropropene	"	"	"	"	"
1,2-Trichloroethane	"	"	"	"	"
Tetrachloroethene	"	"	"	"	"
Chlorodibromomethane	"	"	"	"	"
Chlorobenzene	"	"	"	"	"
Bromobenzene	"	"	"	"	"
Chloroform	"	"	"	"	"
1,2,2-Tetrachloroethane	"	"	"	"	"

Below Quantifiable Limit.

Denise R. Tuhovak
Denise R. Tuhovak
Organics Supervisor

ADVANCED ENVIRONMENTAL SERVICES, INC.
LABORATORY REPORT

Type of Analysis: P.P. SEMI-VOLATILES

Units of Measure: Milligrams/Kilogram, or ppm
Client: OHM CORPORATION A.E.S. Job Code FES

AES Lab No. - 3604
Sample ID - BACKFILL
MATERIAL
GRAB/COMP
Sample Date - 04/30/91

Analytical Parameter(s)	Method Quant. No. Limits	3.3 *	BQL **
N-Nitrosodimethylamine	8270	"	"
Phenol	"	"	"
Bis(2-Chloroethyl) ether	"	"	"
2-Chlorophenol	"	"	"
1,3-Dichlorobenzene	"	"	"
1,4-Dichlorobenzene	"	"	"
1,2-Dichlorobenzene	"	"	"
Bis(2-Chloroisopropyl) ether	"	"	"
N-Nitrosodipropylamine	"	"	"
Hexachloroethane	"	"	"
Nitrobenzene	"	"	"
Isophorone	"	"	"
2-Nitrophenol	"	"	"
2,4-Dimethylphenol	"	"	"
Bis(2-chloroethoxy) methane	"	"	"
2,4-Dichlorophenol	"	"	"
1,2,4-Trichlorobenzene	"	"	"
Naphthalene	"	"	"
Hexachlorobutadiene	"	"	"
4-Chloro-3-Methylphenol	"	"	"
Hexachlorocyclopentadiene	"	"	"
2,4,6-Trichlorophenol	"	"	"
2-Chloronaphthalene	"	"	"
Dimethylphthalate	"	"	"
2,6-Dinitrotoluene	"	"	"

* High limits due to sample matrix,
sample would not boil down to
required volume.

** Below Quantifiable Limit.

Denise R. Tuhovak
Denise R. Tuhovak
Organics Supervisor

ADVANCED ENVIRONMENTAL SERVICES, INC.
LABORATORY REPORT

Type of Analysis: ORGANICS

Units of Measure: Milligrams/Kilogram, or ppm
Client: OHM CORPORATION A.E.S. Job Code FES

AES Lab No. - 3604
Sample ID - BACKFILL
MATERIAL
GRAB/COMP
04/30/91

Analytical Parameter(s)	Method Quant.		Sample Date	BQL *
	No.	Limits		
Acenaphthylene	8270	3.3		
Acenaphthene	"	"		
2,4-Dinitrophenol	"	13		
2,4-Dinitrotoluene	"	3.3		
4-Nitrophenol	"	13		
Diethylphthalate	"	3.3		
4-Chlorophenyl-phenylether	"	"		
Fluorene	"	"		
4,6-Dinitro-2-nethylphenol	"	13		
N-Nitrosodiphenylamine	"	3.3		
1,2-Diphenylhydrazine	"	"		

* Below Quantifiable Limit.

Denise R. Tuhovak
Denise R. Tuhovak
Organics Supervisor

ADVANCED ENVIRONMENTAL SERVICES, INC.
LABORATORY REPORT

Type of Analysis: ORGANICS

Units of Measure: Milligrams/Kilogram, or ppm
Client: OHM CORPORATION A.E.S. Job Code FES

AES Lab No.- 3604
Sample ID - BACKFILL
MATERIAL
GRAB/COMP
Sample Date- 04/30/91

Analytical Parameter(s)	Method No.	Quant. Limits	
4-Bromophenylphenylether	8270	3.3	BQL *
Hexachlorobenzene	"	"	"
Pentachlorophenol	"	13	"
Phenanthrene	"	3.3	"
Anthracene	"	"	"
Di-n-Butylphthalate	"	"	"
Fluoranthene	"	"	"
Benzidine	"	13	"
Pyrene	"	3.3	"
Butylbenzylphthalate	"	"	"
3,3-Dichlorobenzidine	"	12	"
Benzo(a)Anthracene	"	3.3	"
bis(2-ethylhexyl)Phthalate	"	6.6	"
Chrysene	"	3.3	"
Di-n-octylphthalate	"	"	"
Benzo(b)fluoranthene	"	"	"
Benzo(k)fluoranthene	"	"	"
Benzo(a)Pyrene	"	"	"
Indeno(1,2,3-cd)pyrene	"	"	"
Dibenzo(a,h)anthracene	"	"	"
Benzo(g,h,i)Perylene	"	"	"

* Below Quantifiable Limit.

Denise R. Tuhovak
Denise R. Tuhovak
Organics Supervisor

AES ORGANIC DEPARTMENT TRACEABILITY

JOB CODE: FES

Technician
Signature

AES
Sample #'s

Method

Date of
Analysis

Sharon B. Smith
Jim Fugate
Jim Fugate

3604
3604
3604

8080
8270
8240

5/1/91
5/2/91
5/3/91

A.E.S. Job Number: 911423

Chyle. Larson	8270	3604	5-1-91
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General Testing Corporation



A Full Service Environmental Laboratory

May 21, 1991

Mr. Mark Kravitz
OHM
4 Research Way
Princeton, New Jersey 08540

Re: Allied Excavated Backfill Soil

Dear Mr. Kravitz:

One soil sample was received at our laboratory on May 7, 1991 from the above referenced site. The parameter list was obtained from your purchase order # 0329390. The analytical data for the metals and petroleum hydrocarbons were provided to you per facsimile on May 8 and 9, 1991 respectively.

Enclosed are a copy of the analytical data and the analytical chronology. Please review this data package, if any questions occur feel free to contact me at (716) 454-3760. Thank you for allowing us to provide these services.

Sincerely,
GENERAL TESTING CORPORATION

Sue Lochner
Client Representative Manager

kab.
Enc.
a:OHM



DATA AND QUALITY CONTROL QUALIFIERS

U - Indicates compound was analyzed but was not observed at a quantifiable concentration.

J - Indicates an estimated value

J Qualifiers (used in conjunction with J and/or QC page or chronology)

S - Surrogate recoveries outside of control limits

M - Matrix spike and/or matrix spike duplicate outside control limits

St - Surrogate recoveries outside of control limits, analysis repeated, same results obtained, matrix interference suspected

Mt - same as M

ORGANIC PARAMETERS: Matrix interference suspected, Organic reference standard was acceptable.

r - Laboratory replicates outside of laboratory advisory limits

INORGANIC PARAMETERS: Matrix interference suspected, Repeat analysis still unacceptable

t - Matrix interference suspected

Mr - INORGANICS PARAMETERS: Matrix interference suspected, repeat analysis not conducted due to holding time limitations

h - Holding time exceeded for analysis

p - EPA-approved protocol has been amended upon client request

B - Indicates that the analyte was found in the associated laboratory or field blank

B Qualifiers (used in conjunction with B)

l - Contamination in Lab or method blank

e - Contamination in equipment blank

t - Contamination in trip blank

f - Contamination in field filtration blank

x - Contamination in two or more types of blanks (i.e. Lab or Method, Trip, Equipment, or Field Filtration Blank)

d - Results multiplied by dilution factor

MISCELLANEOUS QC AND DATA QUALIFIERS

ND - Not Detectable

NS - No Sample

NA - Not Analyzed

** - No limits currently established

** - See Attached Data

I - Insufficient sample to re-analyze

D - Surrogate standard diluted out

R - Sample re-analyzed outside of holding time

UP - Unable to perform analysis due to sample matrix

V - Spiked recovery cannot be determined, sample value >4 times spike concentration

++ - Outside Laboratory acceptance limits (Blank Spikes, Ref. Spikes)

RC - Results confirmed via repeat analysis

NC - Not Calculable

LE - Lab Error: No data available

t - Surrogate Matrix Interference



A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R91/01846

Date: MAY 15 1991

Client:

Mr. Mark Kravitz

OHM

4 Research Way

Princeton, New Jersey 08540

Sample(s) Reference

Allied Excavated

Backfill Soil

Received

: 05/07/91

P.O. #: 329390

ANALYTICAL RESULTS - ug/g Dry Wt.

Sample:	-001								
Location:	Backfill								
	Soil								
Date Collected:	05/06/91								
Time Collected:	--								
<hr/>									
Pet. Hydrocarbons, IR *	21.2								
Solids, X *	90.0								
Antimony	13.3 U								
Beryllium, Total	1.11 U								
Copper, Total	11.9								
Molybdenum, Total	12.2								
Nickel, Total	14.4								
Thallium, Total	2.22 U								
Vanadium, Total	18.8								
Zinc, Total	110								

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145

NJ ID# in Rochester: 73331

NJ ID# in Hackensack: 02317

NY ID# in Hackensack: 10801

*Units are ug/g Wet Wt.

A handwritten signature in dark ink, reading "Michael K. Perry".

Laboratory Director

General Testing

LABORATORY REPORT

Date MAY 15 1991

Post-It™ brand fax transmittal memo 7871		# of pages > 4
To	B. VANDEBEEK	
Co.	OHM	
Dept.		
Fax #	CANADA	
From	MARK KEAVOCZ	
Co.		
Phone #		
Fax #		

**Allied Excavated
Backfill Soil**

Date Sample Taken: 05/06/91

		LABORATORY CHRONICLE							
		DATE ANALYZED							
Sample:		-001							
Location:		Backfill							
		Soil							
Pet. Hydrocarbons, IR		05/08/91							
Solids, % **		05/07/91							
Antimony **		05/07/91							
Beryllium, Total **		05/07/91							
Copper, Total **		05/07/91							
Molybdenum, Total **		05/07/91							
Nickel, Total **		05/07/91							
Thallium, Total **		05/07/91							
Vanadium, Total **		05/07/91							
Zinc, Total **		05/07/91							

CME Associates, Inc.

Construction Materials Evaluation



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TRANSMITTAL

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Date: May 9, 1991

To: OHM Corporation
817 Hievatha Boulevard
Syracuse, New York 13208

Attn: Bob Brooks

Re: Allied Signal Pit Fill-in

Gentlemen:

Enclosed you will find . . .

Number of Copies

2

Report Number

1317S-01-0591

Respectfully Submitted:
CME Associates, Inc.

Lisa J. Rotundo
CET, Level II

LJR/kwu

CME Associates, Inc.

Construction Materials Evaluation



LABORATORY TEST REPORT

Client: OHM Corporation

Page 1 of 2 Date: 05/09/91

Project: Allied Signal Pit-Fill

Report No.: 13175-01-0391

On April 30, 1991 our representative, Ms. Rotundo sampled stockpiled soil from the RS site on River Road for use on the project.

Sample identification is as follows:

Sample No.	Location
BL-172	RS site River Road, Grass area Fill-in

MECHANICAL ANALYSIS

Sieve Size	Percent Passing By Weight
	Sample BL-172
3"	100
2"	100
1"	95
1/2"	78
1/4"	63
No. 4	58
No. 10	49
No. 40	38
No. 200 (ret)	27.2

BURMISTER CLASSIFICATION

Classification: Brown and SAND some of GRAVEL some SILT trace CLAY

LABORATORY MOISTURE-DENSITY RELATIONSHIP

100% Maximum Dry Density (ASTM D-1557) =	134.2 pcf
Optimum Moisture Content	7.3 %

The Laboratory Moisture Density Curve is attached.

Feel free to contact this office should you have any questions.

Respectfully Submitted,
CME Associates, Inc.

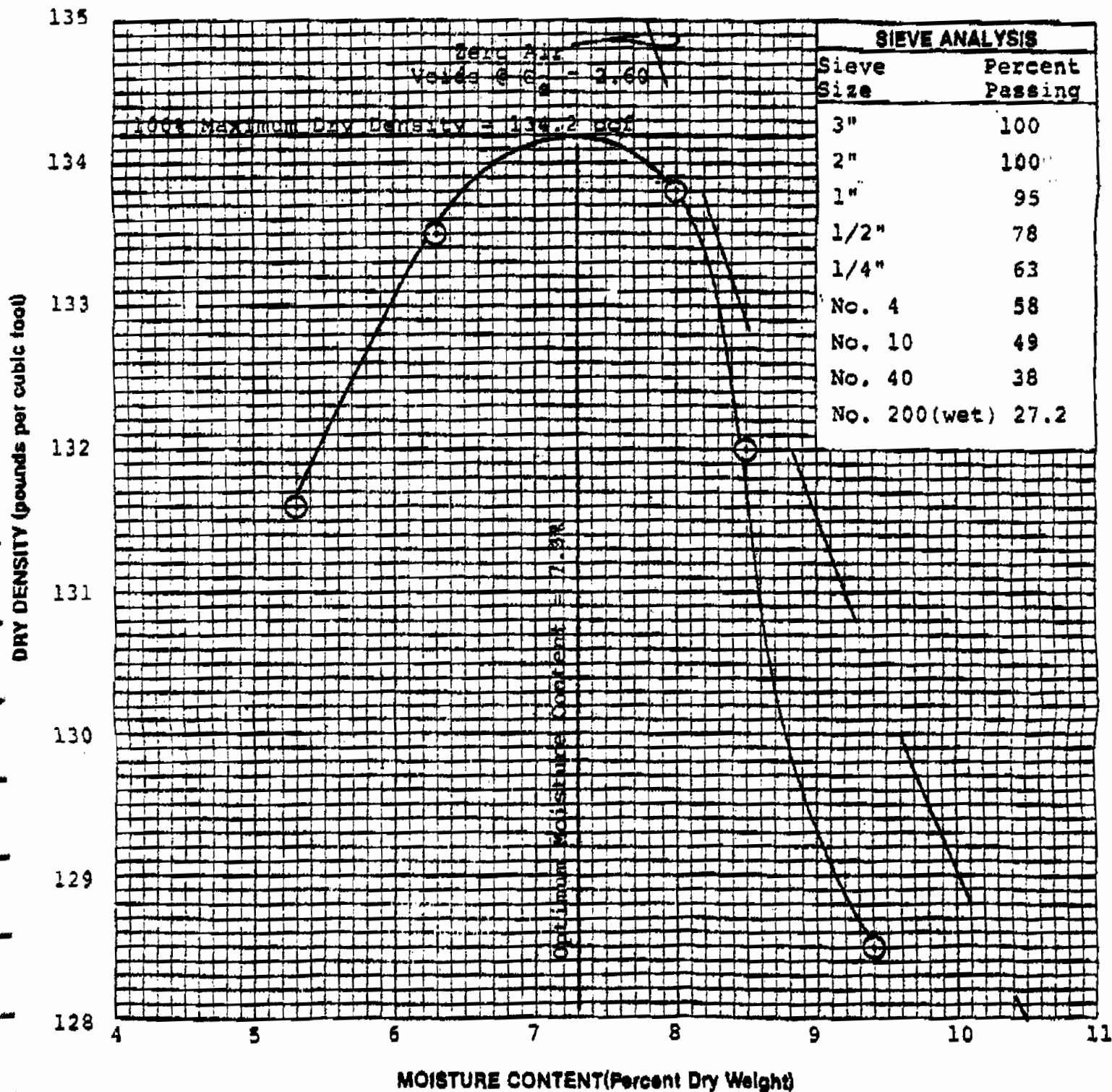
Lisa J. Rotundo

Lisa J. Rotundo
GET, Level II

CME Associates, Inc.

Page 2 of 2

FORM 8-3

MATERIALS TESTING DIVISIONCLIENT: OHM CorporationPROJECT: Allied Signal Pit FillREPORT NO. 1317S-01-0591SAMPLE NO. BL-172DATE PICKED UP 04-30-91SAMPLE LOCATION: RS - River RoadSOIL CLASSIFICATION: Brown cmf SAND with CLAY and cmf GRAVEL**MOISTURE-DENSITY RELATIONSHIP CURVE**MAXIMUM DRY DENSITY 134.2 pcfOPTIMUM MOISTURE CONTENT 7.3 %TESTED IN ACCORDANCE WITH ASTM D1557 ☒ASTM D698 ☐MIL STD 621 ☐ CE ☐