WATTERSON
ENVIRONMENTAL GROUP

July 30, 2004

Project No. 80026.03

Mr. David Israel
Environmental Specialist
Bureau of Underground Storage Tank Regulations
Division of State Fire Marshal
8895 East Main Street
PO Box 687
Reynoldsburg, OH 43068

Remedial Action Closure Report
Sears Unit 1310
300 Midway Boulevard
Elyria, Ohio
Incident No. 4732300-00
Release No. 47000451-N00001

Dear Mr. Israel:

On behalf of Sears, Roebuck and Co. (Sears), Watterson Environmental Group, LLC is submitting the Remedial Action Plan for the above-referenced facility.

If you have any questions regarding this report, or any of the information regarding this site, please do not hesitate to contact Mr. David Dukat at (419) 824 - 5210.

Sincerely,

Watterson Environmental Group, LLC

David A. Dukat, PG
Senior Geologist

cc: Scott DeMuth – Sears, Roebuck and Co., Department 768EV, A2-245A, 3333 Beverly Road, Hoffman Estates, Illinois 60179

P:\Clients\Sears\UST\Misc\8002603 Unit 1310 Elyria OH BUSTR Cover Ltr.doc

Remedial Action Plan (RAP) Checklist and Recommended Table of Contents
(Page 1 of 2)

Owner/Operator Information	Facility Information
Date: July 30, 2004	Facility: Sears Unit 1310
Owner/Operator: Sears, Roebuck and Co.	Address: 300 Midway Boulevard
Address: 3333 Beverly Road, Dept. 768EV, A2-245A	Elyria, Ohio
Hoffman Estates, Illinois 60179	County: Lorain
Phone #: (847) 286-5530	Incident #: 4732300-00

Check	Page #	Each Remedial Action Plan (RAP) must include the following:
		A. Each Remedial Action Plan report must include, at a minimum, the following:
		1. A summary of the site assessment results and conclusions.
		2. If applicable, a table with a complete round of ground-water sampling results obtained within six months prior to submitting the plan.
		3. A description of remedial alternatives considered.
		4. A brief comparison of reliability, feasibility, effectiveness, cost and time needed for completion of the recommended program and for the identified alternatives.
		5. A description of the remediation techniques to be implemented.
		6. A description and results of any pilot studies conducted.
		7. A schematic drawing of the remedial system.
		8. A diagram that accurately depicts the placement of the remdial system on site, including proposed locations of equipment, pumps, recovery systems, etc.
		9. A description of permits or other approvals required for implementation of the plan.
		10. Proposed target levels to be achieved.
		11. A description of a monitoring/sampling plan to be used during the implementation of the RAP, including a site diagram that indicates the locations where soil and/or ground water will be sampled.
		12. An implementation schedule and the projected completion date.
		13. A description of the content and frequency of progress reports (i.e., monthly or quarterly.
		B. Upon RAP approval by the SFM and implementation, progress reports must be submitted regularly which include:
		1. A status report of the system's performance.
		2. A site diagram, if the placement of the remedial system is altered from that submitted in the RAP.
		3. Air, soil and/or water monitoring analysis submitted in table format.
		4. Monthly/quarterly quantity and disposition of soil treated and/or removed.
		5. Monthly/quarterly quantity and disposition of water treated and/or discharged.
		6. Depth to liquid and thickness of free product (if applicable).
		7. Quantity and disposition of free product recovered (if applicable).
		8. Sampling methodology as outlined in Appendix A.
		9. Any other additional information necessary to evaluate the effectiveness of the RAP.

Remedial Action Plan (RAP) Checklist and Recommended Table of Contents
(Page 2 of 2)

Check	Page #	Each Remedial Action Plan (RAP) must include the following:
		C. Once MCL target or action levels have been attained and remediation completed, a completion report must be submitted to the SFM which includes at a minimum:
✓	4	1. A summary of all remedial activities.
N/A		2. Tabled or graphical results showing the effectiveness of the RAP over time.
✓	Table 1.0	3. A table with a complete round of recent ground water and soil sampling in appropriate locations demonstrating that acceptable levels have been attained.
✓	Figure 4.0	4. A complete site map showing all sampling locations.
✓	Pg 4, App B	5. A discussion of wastes generated during all remedial activities including cumulative totals and final disposition.
✓	Appendices	6. Other information which demonstrates that the remedial objectives of the RAP have been met.
		D. If monitoring only is selected as a remedial option, the same sequence of reports above should be submitted with remedial systems, RAP or techniques replaced by monitoring plans or options, whichever is more appropriate.

Preparer Name	Preparer Signature	Date
David A. Dukat, PG		July 30, 2004
Owner/Operator[7] Name	Owner/Operator Signature	Date
Scott M. Bennett		8/9/04

[7] Circle whichever applies

REMEDIAL ACTION CLOSURE REPORT
SEARS UNIT 1310
300 MIDWAY BOULEVARD
ELYRIA, OHIO
INCIDENT NO. 4732300-00
RELEASE NO. 47000451-N00001

PREPARED FOR:

SEARS, ROEBUCK AND CO.
3333 BEVERLY ROAD
DEPARTMENT 768EV, A2-245A
HOFFMAN ESTATES, ILLINOIS 60179

PREPARED BY:

WATTERSON ENVIRONMENTAL GROUP, LLC
5800 MONROE STREET
BUILDING A-2
SYLVANIA, OHIO 43560
(419) 824 - 5210
FAX: (419) 824 - 5220

JUNE 14, 2004
PROJECT NO. 80026.03

WATTERSON
ENVIRONMENTAL GROUP

June 14, 2004

Project No. 80026.03

Mr. Scott DeMuth
Manger, Environmental Technical Services
Sears, Roebuck and Co.
3333 Beverly Road
Department 768EV, A2-245A
Hoffman Estates, Illinois 60179

Remedial Action Closure Report
Sears Unit 1310
300 Midway Boulevard
Elyria, Ohio
Incident No. 4732300-00
Release No. 47000451-N00001

Dear Mr. DeMuth:

The final report for the Remedial Action conducted for Sears, Roebuck and Co. (Sears) by Watterson Environmental Group, LLC (Watterson) for the above-referenced site is enclosed. This assessment was authorized by Sears acceptance of the Environmental Work Order (Project No. 80026.03) and was performed in general conformance with the Environmental Services Agreement between Sears and Watterson dated December 6, 2001.

We appreciate the opportunity to provide environmental consulting services to Sears. If you should have any questions or need further assistance, please contact us at (419) 824-5210.

Sincerely,

Watterson Environmental Group, LLC

Shuman Majumder, MPH
Environmental Specialist

David A. Dukat, PG
Senior Geologist

P:\Clients\Sears\UST\Reports\8002603 RAP Implementation Elyria OH.doc

CONTENTS

Page No.

1.0 INTRODUCTION

1.1 Introduction

The site is a Sears Auto Center (Unit No. 1310) that is associated with the Midway Mall and is located at 300 Midway Boulevard in Elyria, Ohio (Figure 1.0). The Remedial Action Plan (RAP) was prepared in response to the April 8, 2002 letter from the Bureau of Underground Storage Tank Regulations (BUSTR) to Sears, which indicated that a RAP should be completed for the site that incorporated the data contained in IT Corporation's (IT) letter report dated January 22, 2002 and two additional borings performed by Watterson. Sears originally initiated site assessment activities because of a confirmed release at the site detected during the underground storage tank (UST) removal activities (Release No. 47000451-N00001, Incident No. 4732300-00) in January of 1994.

1.2 Background

During the removal of a 500-gallon used oil underground storage tank (UST) in January 1994, one soil sample collected from the north wall of the UST excavation exhibited a Total Petroleum Hydrocarbon (TPH) concentration of 1,200 parts per million (ppm). This concentration exceeded the Category 3 action level of 904 ppm. Based on this, a Site Assessment was completed by Groundwater Technology, Inc. (GTI) on November 30, 1994.

During the Site Assessment, GTI performed four Geoprobe soil borings and three hollow-stem auger soil borings. The Geoprobe borings were advanced to 20 feet and the hollow-stem auger borings were advanced to 16 feet below surface grade (bgs). Groundwater was not encountered in any of the borings performed by GTI. Soil samples collected from each boring were analyzed for benzene, toluene, ethylbenzene, and xylenes (BTEX) by United States Environmental Protection Agency (U.S. EPA) Method 8240 and for total petroleum hydrocarbons (TPH) by U.S. EPA Method 418.1. Analytical results did not indicate the presence of BTEX or TPH in any of the soil samples collected exceeding the BUSTR Category 3 Action Levels.

IT Corporation (IT) reportedly contacted BUSTR in September/October 2001 to determine the status of the Site Assessment report. During this conversation with Mr. Dave Biskner of BUSTR, it was suggested that additional borings be performed in the vicinity of the North Wall sample where concentrations of TPH exceeded the BUSTR Category 3 Action Level.

Additional borings were performed at the site by IT in October 2001. Five soil borings were advanced utilizing Geoprobe methodology to a depth of approximately 10 feet bgs. Groundwater was not encountered in any of the borings performed by IT. One soil sample was collected from each boring. The soil samples collected were analyzed for BTEX by U.S. EPA Method 8020 and for TPH by U.S. EPA Method 418.1. Benzene, toluene, and ethylbenzene were not detected in any of the soil samples collected by IT. Toluene was detected in one sample collected from approximately eight to 10 feet bgs from boring SB-6 at a concentration of 0.0034 ppm. TPH was detected in four of the five soil samples collected at concentrations ranging from 8.79 ppm to 44.7 ppm. The concentrations of toluene and TPH detected in these soil samples did not exceed their respective BUSTR Category 3 Action Levels.

Based on their findings (documented in a January 22, 2002 report) and the lack of groundwater, IT recommended that the site be granted "No Further Action" status.

IT's report dated January 22, 2002 was mailed to BUSTR at approximately the same time that BUSTR mailed a letter to Sears (Dated January 16, 2002). BUSTR's January 16, 2002 letter indicated that the impacts at the site were delineated based on Site Assessment prepared by GTI, and that a RAP should be prepared to address the identified impacts at the site.

On April 8, 2002, Mr. David Dukat of Watterson spoke with Ms. Peggy Smith of BUSTR regarding the status of the site since the information submitted to IT and the letter from BUSTR appeared to have crossed paths in the mail. Based on the information contained within the January 22, 2002 IT report, Ms. Smith indicated that it appeared the impacts were below the applicable Category 3 Action Levels; however, the borings performed by IT did not meet the requirements of the 1992 BUSTR regulations (groundwater, 45 feet bgs, or hollow-stem auger refusal on bedrock). Therefore, Ms. Smith requested that two additional borings be performed using hollow-stem auger drilling in the approximate locations of borings SB-5 and SB-6, where the highest (though below BUSTR Category 3 Action Levels) TPH concentrations were found in the previous assessments performed. BUSTR's April 8, 2002 letter indicated that these two additional borings, along with IT's January 22, 2002 report, should be utilized in the completion of a RAP for the site.

From June 20 to 22, 2002, Watterson performed two borings utilizing a hollow-stem auger drilling rig. Soil boring SB-10 was located in the vicinity of the former north wall of the cavity and the previous boring SB-5. SB-11 was located to the northwest of the former cavity, in the vicinity of the previous boring SB-6. Refer to Figure 2.0 for the approximate location of these soil borings.

At each soil boring location, continuous split spoon soil sampling was performed to the maximum depth of the borings. Soil encountered consisted of silt and clay to a depth of approximately 15 to 16 feet bgs. Red shale was encountered at this depth to the bottom of the borings (26 feet for SB-10 and 27 feet for SB-11), where hollow-stem auger refusal was encountered. Groundwater was encountered within the shale bedrock at a depth of approximately 24 feet bgs.

Based on site observations, professional judgment, and the nature of the release at the site, one soil (SB-10: 2' – 4' and SB-11: 8' – 10') sample from each boring was submitted for laboratory analysis. Samples were transported using standard U.S. EPA protocols, specifically chain-of-custody documentation to AAC Trinity, Inc. in Farmington Hills, Michigan.

Monitoring wells MW-1 and MW-2 were completed in borings SB-10 and SB-11, respectively. MW-1 was completed with a screen from 17 to 24 feet bgs, with a quartz sand pack and overlying bentonite seal. MW-2 was similarly completed with a screen from 17 to 25 feet bgs. Both wells were completed at the surface with a flush mounted well cap.

The two soil samples were submitted for laboratory analysis of BTEX using U.S. EPA Method 8260 and for TPH using U.S. EPA Method 418.1. The concentration of TPH detected in the soil sample collected from SB-10 (2' – 4'), located in the vicinity of the previous boring SB-5 and the north wall of the former cavity, exceeded its BUSTR action level. The concentrations of BTEX in SB-10, and

BTEX and TPH in SB-11 did not exceed the BUSTR Category 3 Action Levels. Refer to Table 1.0 and Figure 3.0 for a summary of the soil analytical results.

The two groundwater samples were collected on July 19, 2002, and submitted for laboratory analysis of BTEX using U.S. EPA Method 8260. Concentrations of BTEX were not measured above the laboratory detection limit in either of the two groundwater samples collected. Refer to Table 2.0 and Figure 4.0 for a summary of the groundwater analytical results. The laboratory report is included in Appendix C.

Based on the information obtained as part of these two additional borings performed by Watterson, a limited area of soil with concentrations above the Category 3 Action Levels remains within the top six feet of the soil adjacent to the northern wall of the former used oil UST.

Watterson submitted a Site Assessment Report to BUSTR on December 3, 2002 which indicated that the vertical and horizontal extent of the release from this former used oil UST had been delineated.

Watterson prepared a Remedial Action Plan for the site dated January 8, 2004, and then submitted the plan to BUSTR. BUSTR sent a letter to Sears on March 19, 2004 granting approval to implement the Remedial Action Plan.

1.3 Site Feature Scoring System

The results of the Site Feature Scoring System (SFSS) evaluations indicate that the site is classified as a Category 3 site. The determination of this classification is discussed in GTI's Site Assessment Report dated November 30, 1994.

2.0 REMEDIATION ACTIVITIES

Watterson completed the remedial activities as outlined in the RAP on April 29, 2004. Mr. Shuman Majumder was on-site to oversee the excavation activities which were performed by Genesis Contracting, Inc. (Genesis) of Maumee, Ohio. Information regarding the observations made during remedial activities and soil sampling procedures are recorded below in Sections 2.1 and 2.2, respectively.

2.1 Field Activities

Prior to the initiation of remedial activities, polysheeting was placed on the asphalt next to the area of excavation to stockpile the clean soils. A roll-off box was also placed near the excavation to contain the impacted soil. Remediation activities began in the area of boring SB-10 (northern wall of former waste oil tank cavity) with jackhammering and removal of the concrete sidewalk. A seam of impacted soil was noted around SB-10 at 2 to 4 feet bgs. Excavation of this seam continued to the south until it was removed and clean pea gravel from the former waste oil cavity was encountered. Refer to Figure 2.0 for a layout of the excavation area and Appendix A for photographs documenting the work performed.

During excavation activities, a piping remnant was encountered of the apparent remote fill line for the former used oil UST. This pipe was encountered in the area of the identified impacts. The pipe remnant was cut off near the building and it was sealed on both the outside and inside of the Sears Auto Center building. Soil was removed in all directions until the visible signs of impact were removed from the area in the vicinity of boring SB-10 (and the former northern wall of the used oil UST cavity). This excavation continued to the south until clean pea gravel was encountered, which indicated the former UST cavity. At this point, no soil was remaining to the southern extent of the cavity and a sample was not taken from the pea gravel. No impacts were noted on the east, north or west walls. Samples EW-1, NW-1, and WW-1 were collected from the east, north, and west walls, respectively, and analyzed by a mobile laboratory. Excavation activities continued until the base depth of 6 feet bgs was achieved throughout the cavity. No impacts or petroleum odors were noted. The excavation base was then sampled, B-1, at approximately 6 feet bgs

Sample CS-1 was taken from the impacted stockpile for disposal purposes.

All excavation materials were stockpiled and then placed into a roll-off box for disposal. The impacted soil was transported to American Landfill in Waynesburg, Ohio for disposal (refer to Appendix B). The remainder of the excavation area was backfilled with self-compacting gravel and marked with caution tape until the concrete sidewalk was replaced and the surrounding area was re-paved.

Groundwater was not encountered during the excavation activities. In accordance with the RAP, monitoring wells MW-1 and MW-2 were decommissioned. Both monitoring wells were cut approximately 3 feet bgs and filled with bentonite to seal the wells. This procedure followed Ohio Department of Natural Resources procedures for well abandonment. Refer to Appendix D for a copy of the Water Well Sealing Report for these monitoring wells.

2.2 Soil Sample Screening

Soil samples were collected from the limits of the excavation, with the exception of the southern wall due to the presence of clean backfill pea gravel from the used oil UST removal. The samples were selected based on visual observations (refer to Figure 4.0 for approximate sample locations). The soil samples were grab samples placed in 4 oz. clean U.S. EPA Protocol B glass sample containers fitted with Teflon-lined lids provided by the laboratory.

Staining and petroleum odor was noted during the soil screening process at a depth of approximately 2 to 4 feet bgs along the southern wall. This impacted material was excavated and stockpiled for off-site disposal. No impacts were noted along the northern, eastern, or western walls. Based on the RAP, site observations, professional judgment, and the nature of the release at the site, soil samples from each wall (except the south wall as noted above), a base sample, and one sample from the stockpile were submitted for laboratory analysis.

The following soil samples were submitted for laboratory analysis:

- B-1 – base sample
- NW-1 – north wall sample
- EW-1 – east wall sample
- WW-1 – west wall sample
- CS-1 – impacted stockpile sample

Impacted stockpile sample CS-1 was collected and analyzed for disposal purposes. The samples listed above were analyzed by an on-site mobile laboratory using standard U.S. EPA protocols and chain-of-custody documentation.

3.0 ANALYTICAL RESULTS

3.1 Mobile Laboratory

The soil samples (as noted above in Section 2.2) were submitted to Quality Laboratories, Inc. (mobile laboratory) for laboratory analysis of the following parameters:

- TPH by U.S. EPA Method 418.1
- BTEX and MTBE by U.S. EPA Method 8021

The analytical report is included in Appendix C. Concentrations of TPH were measured from 148 ppm to 188 ppm. Sample concentrations measured did not exceed the BUSTR Category 3 Action Level for TPH. Benzene, toluene, ethylbenzene, and xylenes measured below laboratory analytical detection limits for all samples collected. Refer to Table 1.0 and Figure 4.0 for a summary of the analytical results.

3.2 Fixed Laboratory

Samples NW-1, EW-1, WW-1, and B-1 were submitted to Quality Laboratories, Inc. (fixed laboratory) for laboratory analysis of the following parameters:

- VOCs by U.S. EPA Method 8260

Concentrations of VOCs were not detected above the laboratory method detection limits in any of the other samples submitted to the fixed laboratory for analysis.

4.0 CONCLUSIONS AND RECOMMENDATIONS

4.1 Conclusions

The horizontal and vertical extent of the release associated with the former used oil UST was identified and was remediated in accordance with the RAP. Visually impacted soil with a petroleum odor was encountered between approximately 2 to 4 feet bgs along the southern wall of the area excavated. Approximately 21.35 tons of soil were removed during the remedial activities and disposed off-site. Refer to Appendix E for the Petroleum Contaminated Soil form. Soil samples were collected and analyzed from the limits of the excavation. The analytical results indicated that the concentrations of VOCs and TPH were below BUSTR Category 3 Action Levels at the completion of remedial activities.

4.2 Recommendations

As the horizontal and vertical extent of the release was identified and remediated, Watterson recommends that the Remedial Action Plan be considered implemented. Based upon final laboratory analytical results of the soil, Watterson requests a "No Further Action" status for this incident.

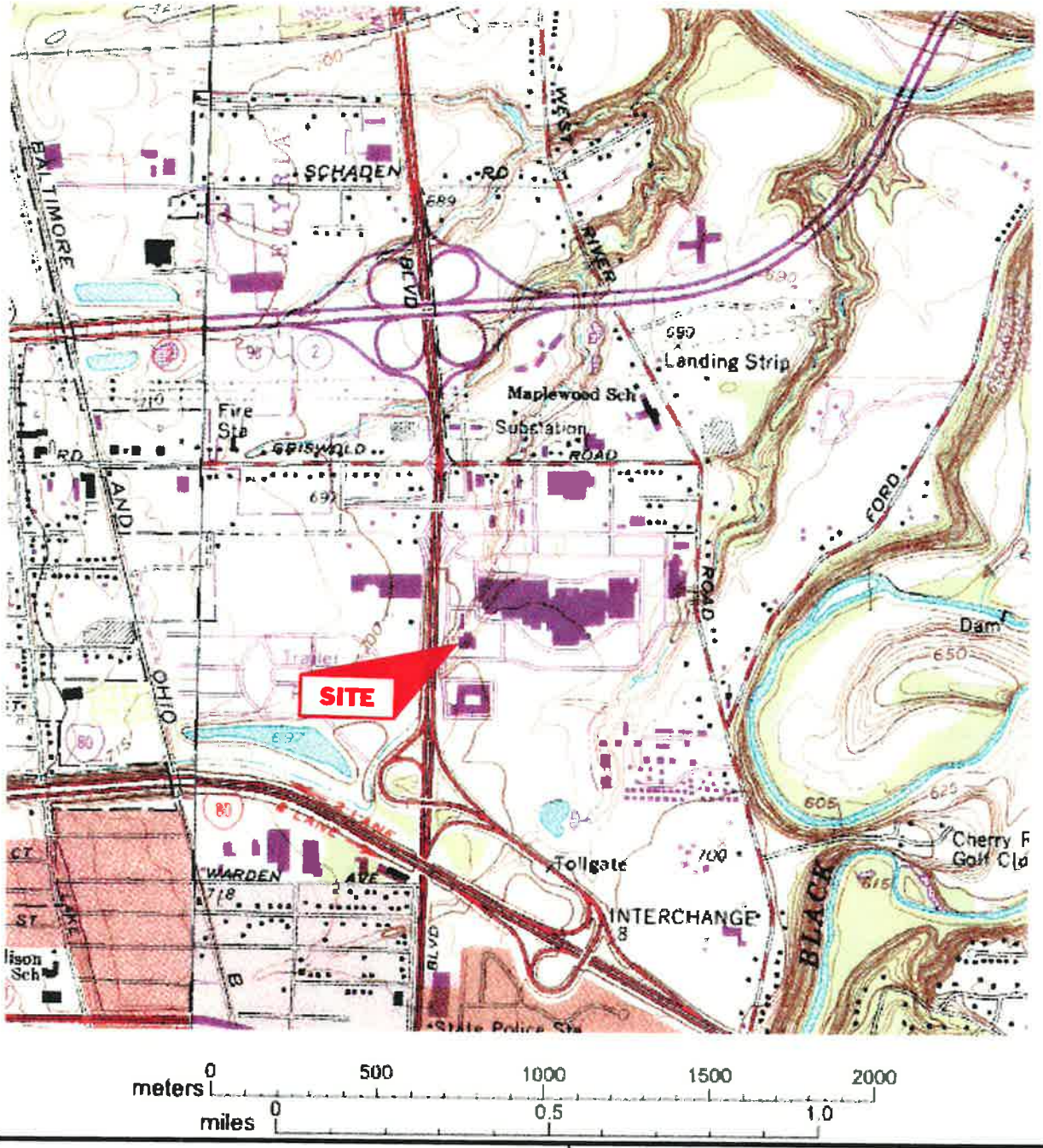
TABLES

Table 1.0 Summary of Soil Analytical Results Sears Unit 1310 Elyria, Ohio					
Sample	NW-1	EW-1	WW-1	B-1	**BUSTR Category 3 Action Levels**
Mobile Lab					
Benzene	<0.005	<0.005	<0.005	<0.005	0.335
Toluene	<0.005	<0.005	0.005	<0.005	9
Ethylbenzene	<0.005	<0.005	<0.005	<0.005	14
Xylenes	<0.005	<0.005	<0.005	<0.005	67
MTBE	<0.005	<0.005	<0.005	<0.005	NS
TPH	148	168	180	188	904
Fixed Lab					
VOCs	ND	ND	ND	ND	NS

Notes:

1. Concentrations are in milligrams per kilogram (mg/Kg), which is approximately equal to parts per million (ppm)
2. BTEX – Benzene, Toluene, Ethylbenzene, and Xylenes analyzed by U.S. EPA Method 8021 (mobile laboratory)
3. TPH – Total Petroleum Hydrocarbons analyzed by U.S. EPA Method 418.1 (mobile laboratory)
4. VOCs – Volatile Organic Compounds analyzed by U.S. EPA Method 8260 (fixed laboratory)
5. Bold indicates concentrations above the BUSTR Category 2 Action Levels.
6. NS – No Standards under BUSTR.
7. ND – Not Detected.

FIGURES



North

USGS Topographic Map: Avon, OH
Date: 1977

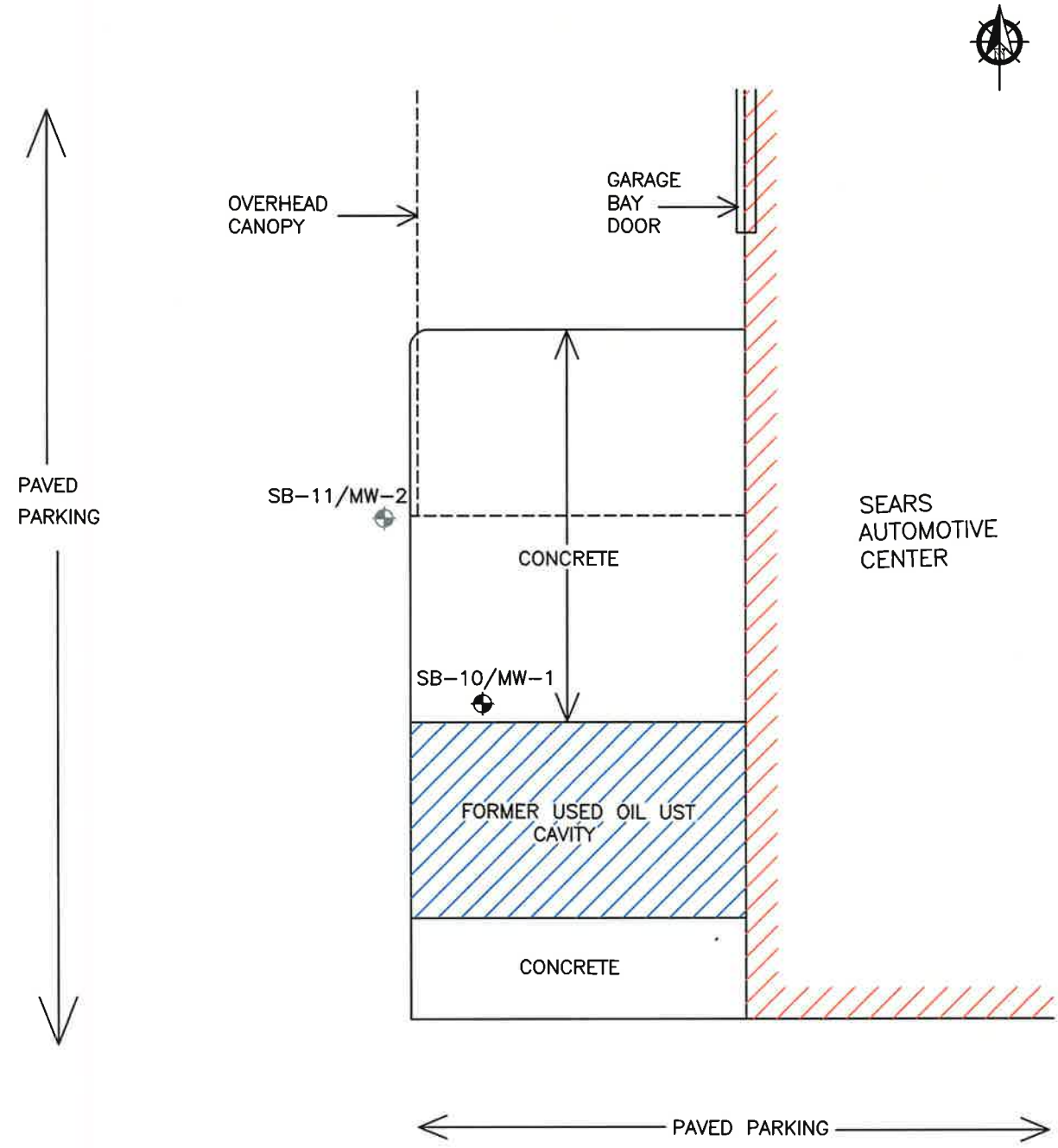
Figure 1.0
Site Location Plan

Remedial Action Closure Report
300 Midway Boulevard
Elyria, Ohio

WATTERSON ENVIRONMENTAL GROUP

Prepared For:
Sears, Roebuck and Co.
Hoffman Estates, Illinois

Project No.:
80026.03



LEGEND

SOIL BORING/MONITORING WELL INSTALLED BY WATTERSON ENVIRONMENTAL GROUP – JUNE 2002

WATTERSON ENVIRONMENTAL GROUP

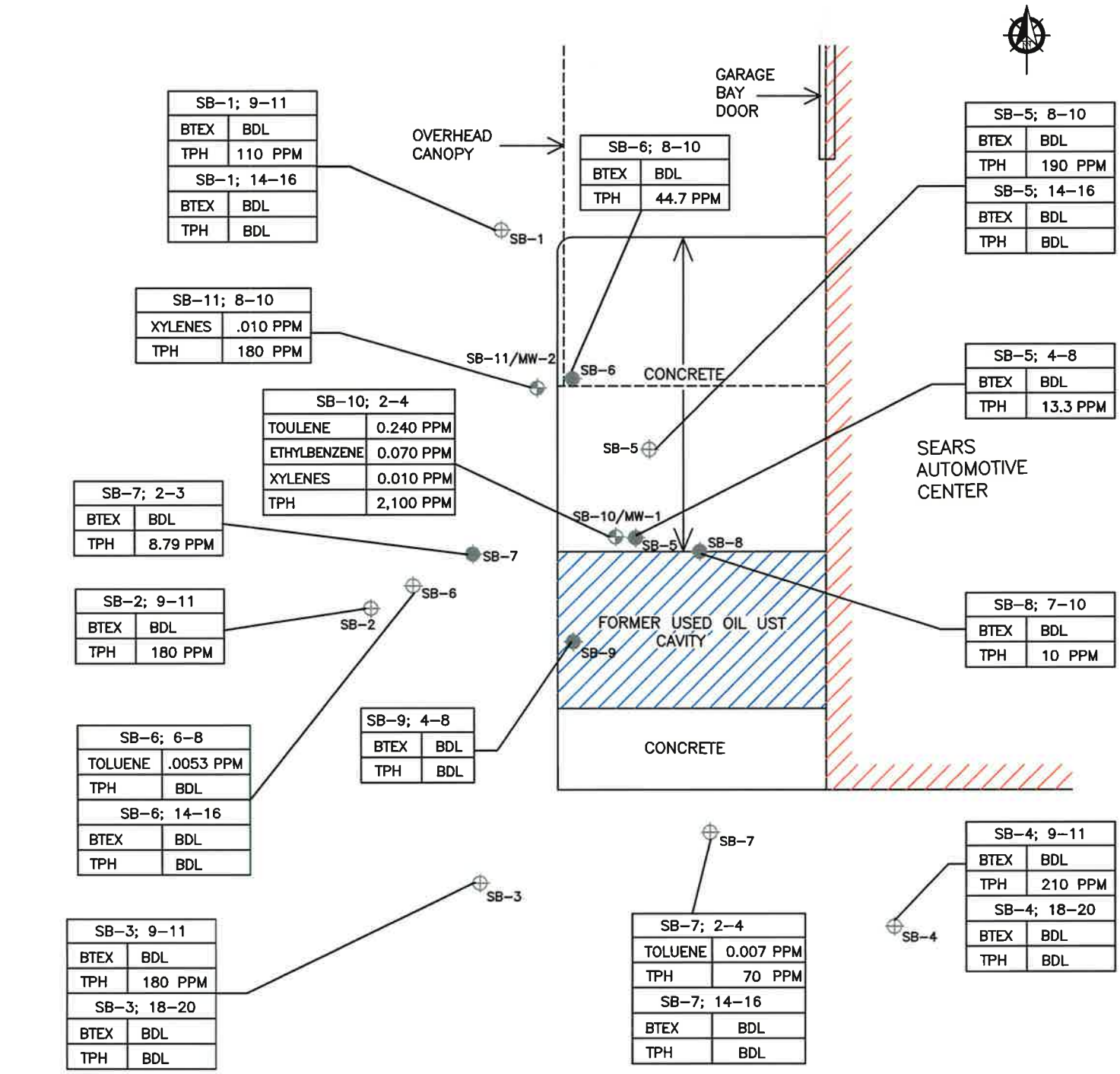
APPROVALS	DATE
DRAWN T.R.R.	5/20/04
CHECKED S.M.	5/20/04
APPROVED D.A.D.	7/30/04

FIGURE 2.0
SITE PLAN

REMEDIAL ACTION CLOSURE REPORT
SEARS UNIT 1310
300 MIDWAY BOULEVARD
ELYRIA, OHIO

PREPARED FOR SEARS, ROEBUCK AND CO.
HOFFMAN ESTATES, ILLINOIS

JOB NUMBER	DRAWING NUMBER
80026.03	FIGURE 2.0



LEGEND

- SOIL BORING/MONITORING WELL INSTALLED BY WATTERSON ENVIRONMENTAL GROUP – JUNE 2002
- SOIL BORING PERFORMED BY IT CORPORATION IN OCTOBER 2001.
- SOIL BORING PERFORMED BY GTI IN SEPTEMBER 1994.

TPH – TOTAL PETROLEUM HYDROCARBONS
BTEX – BENZENE, TOLUENE, ETHYLBENZENE, XYLENES
BDL – BELOW LABORATORY DETECTION LIMITS
PPM – PARTS PER MILLION

WATTERSON ENVIRONMENTAL GROUP

APPROVALS	DATE
DRAWN T.R.R.	5/20/04
CHECKED S.M.	5/21/04
APPROVED D.A.D.	7/30/04

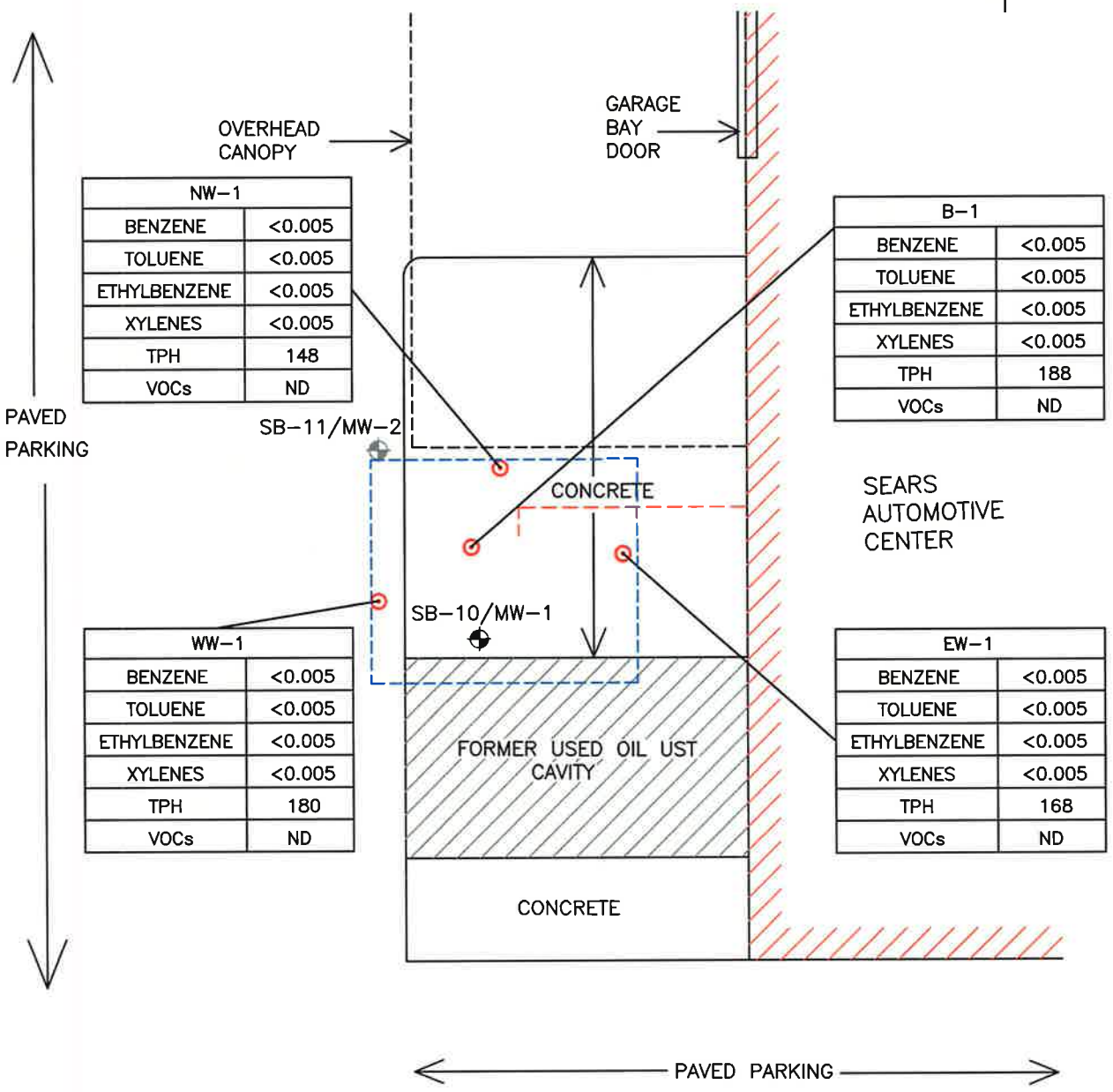
FIGURE 3.0
SUMMARY OF PREVIOUS SOIL SAMPLE ANALYTICAL RESULTS

REMEDIAL ACTION CLOSURE REPORT
SEARS UNIT 1310
300 MIDWAY BOULEVARD
ELYRIA, OHIO

PREPARED FOR SEARS, ROEBUCK AND CO.
HOFFMAN ESTATES, ILLINOIS

JOB NUMBER 80026.03

DRAWING NUMBER FIGURE 3.0



LEGEND

- SOIL BORING/MONITORING WELL INSTALLED BY WATTERSON ENVIRONMENTAL GROUP – JUNE 2002
- CURRENT SOIL SAMPLING LOCATION
- ABANDONED PIPE FROM FORMER USED OIL UST (PIPE REMOVED DURING THIS PROJECT)
- APPROXIMATE AREA OF EXCAVATION

NOTE

1. ALL CONCENTRATIONS ARE IN PARTS PER MILLION

WATTERSON ENVIRONMENTAL GROUP

APPROVALS	DATE
DRAWN T.R.R.	7/23/04
CHECKED S.M.	7/23/04
APPROVED D.A.D.	7/30/04

FIGURE 4.0
EXCAVATION SOIL ANALYTICAL SAMPLING RESULTS

REMEDIAL ACTION CLOSURE REPORT
SEARS UNIT 1310
300 MIDWAY BOULEVARD
ELYRIA, OHIO

PREPARED FOR SEARS, ROEBUCK AND CO.
HOFFMAN ESTATES, ILLINOIS

JOB NUMBER	DRAWING NUMBER
80026.03	FIGURE 4.0

APPENDIX A

Photographs

Photo 1: Looking easterly towards the former waste oil UST cavity (to the right) prior to excavation activities. Note monitoring well MW-1 just north of the former UST cavity.

Photo 2: Looking at the northerly at the beginning of excavation activities.

Photo 3: View of the abandoned pipe from the former used oil UST. This pipe was removed prior to backfilling the excavation.

Figure 4: View of the monitoring well MW-1 and the abandoned pipe.

Photo 5: Southerly view of the impacted soil seam along the south wall of the excavation prior to its removal.

Photo 6: Westerly view of the excavation. Note the pea gravel cave-in (bottom left) from the former UST cavity.

Photo 7: View of the excavation during backfilling activities. MW-1 and MW-2 (bottom right of photograph) were cut three feet below grade and sealed.

Photo 8: Looking easterly at the completed excavation and restored concrete and asphalt.

APPENDIX B

Soil Disposal Documentation

Jul-08-04 12:24pm From-American Landfill, Inc 330 866 3709 T-084 P.002/003 F-841

(DRIVER: PLEASE SIGN BELOW)

DOCUMENT NO. 597206

TICKET NO.

IN: 15:34 AHEWITT
OUT: 15:59 06/22/2004 BRUE00 521336

(PLEASE SIGN HERE)

GROSS: 88120 LBS 44.06 TONS
TARE: 45420 LBS 22.71 TONS
NET: 42700 LBS 21.35 TONS

ORIGIN: Lorain

American Landfill, Inc.
A Waste Management Company
7916 Chapel St. SE, Waynesburg, OH 44688
P: (330) 866-3265 F: (330) 866-3709

Cambridge Business Forms (847) 519.1800

COMMENTS

CUSTOMER SEARS PARKING CENTER #6366

CUSTOMER 8510 57

PROFILE NO.

MANIFEST NO. 23451

P.O. NO. 251226

SEARS
3333BEVERLY ROAD
A2-245A
HOFFMAN ESTATES, IL 60179

COMM. CODE	COMMODITY DESCRIPTION	YARDS / UNITS	AMOUNT
TR3	Transportation Fee by	1.00	
421	Petro. Cont. Soils by	21.35	

WMD091B

ORIGINAL

NON-HAZARDOUS WASTE MANIFEST

NO. 251226

GENERATOR:
Sears Auto Center 06566
4700 Midway Mall
Elyria, OH 44035

Carrier: JMW Cantor
Vehicle No.: 57

DELIVER TO:
- [X] American Landfill (Waynesburg, OH)
- [ ] Mahoning Landfill (New Springfield, OH)
- [ ] Geneva Landfill (Geneva, OH)
- [ ] Suburban Landfill (Brownsville, OH)
- [ ] Akron Regional Landfill (Akron, OH)

Company Responsible for Disposal Charges:
Sears

Profile No.	Name of Waste Stream	Apx. Volume	Act. Weights
33451	Non Hazardous Used Oil Contaminated Soil		Gross Wt.
			Tare Wt.
			Net Wt.

Generator Signature: [signature] Date: 6/22/04

Transporter Signature: [signature] Date: 6-22-04

Disposal Facility Signature: [signature] Date: 6224

ORIGINAL (TO BE MAILED BACK TO GENERATOR)

APPENDIX C

Laboratory Analytical Report

Quality Laboratories

851 Mill Street, Hamilton, Ohio 45013

513-856-8378

Client	:	**Watterson Environmental**
Project Name	:	**Sears Store - Elyria, OH**
Project Number	:	**#80026.03**
Q.L. Report #	:	**CIN-1367-01**
Analyst	:	**DLP**

TEST : TPH **METHOD: SW846-418.1**

DETECTION LIMIT: 5.00 PPM **AMOUNT REPORTED IN PPM**

BDL = BELOW DETECTION LIMIT

SAMPLE I.D.	MATRIX	DATE SAMPLED	DATE ANALYZED	TPH AMOUNT
NW-1	SOIL	4/29/04	4/29/04	148.00 PPM
EW-1	SOIL	4/29/04	4/29/04	168.00 PPM
WW-1	SOIL	4/29/04	4/29/04	180.00 PPM
B-1	SOIL	4/29/04	4/29/04	188.00 PPM

*** Instrument calibration is conducted on a daily basis and maintained at our office.**

Submitted By Marc Price

QUALITY LABORATORIES, INC.

Quality Laboratories

851 Mill Street, Hamilton, Ohio 45013

513-856-8378

Client	: Watterson Environmental	Test	: VOC
Project Name	: Sears - Elyria, OH	Method	: 8260B
Project Number	: #80026.03	Limits	: Listed
Sampling Date	: 4-29-04	Units	: mg/kg
Analysis Date	: 5-03-04	Analytst	: MMP
C.Q.L. Report #	: CIN-1367-03-01		

SAMPLE I.D. : NW-1
SAMPLE MATRIX : SOIL

BDL = Below Detection Limits

PARAMETER	RESULT	DET. LIMIT
Dichlorodifluoromethane	< 0.005 mg/kg	0.005 mg/kg
Chloromethane	< 0.005 mg/kg	0.005 mg/kg
Vinyl Chloride	< 0.005 mg/kg	0.005 mg/kg
Bromomethane	< 0.005 mg/kg	0.005 mg/kg
Chloroethane	< 0.005 mg/kg	0.005 mg/kg
Trichlorofluoromethane	< 0.005 mg/kg	0.005 mg/kg
Methylene Chloride	< 0.005 mg/kg	0.005 mg/kg
1,1-Dichloroethene	< 0.005 mg/kg	0.005 mg/kg
trans-1,2-Dichloroethene	< 0.005 mg/kg	0.005 mg/kg
1,1-Dichloroehane	< 0.005 mg/kg	0.005 mg/kg
2,2-Dichloropropane	< 0.005 mg/kg	0.005 mg/kg
cis-1,2-Dichloroethene	< 0.005 mg/kg	0.005 mg/kg
Chloroform	< 0.005 mg/kg	0.005 mg/kg
Bromochloromethane	< 0.005 mg/kg	0.005 mg/kg
1,1,1-Trichloroethane	< 0.005 mg/kg	0.005 mg/kg
Carbon Tetrachloride	< 0.005 mg/kg	0.005 mg/kg
1,1-Dichloropropene	< 0.005 mg/kg	0.005 mg/kg
Benzene	< 0.005 mg/kg	0.005 mg/kg
1,2-Dichloroethane	< 0.005 mg/kg	0.005 mg/kg
Trichloroethene	< 0.005 mg/kg	0.005 mg/kg
1,2-Dichloropropane	< 0.005 mg/kg	0.005 mg/kg
Bromodichloromethane	< 0.005 mg/kg	0.005 mg/kg
Dibromomethane	< 0.005 mg/kg	0.005 mg/kg
Toluene	< 0.005 mg/kg	0.005 mg/kg
1,1,2-Trichloroethane	< 0.005 mg/kg	0.005 mg/kg
Tetrachloroethene	< 0.005 mg/kg	0.005 mg/kg
1,3-Dichloropropane	< 0.005 mg/kg	0.005 mg/kg
Dibromochloromethane	< 0.005 mg/kg	0.005 mg/kg
1,2-Dibromoethane	< 0.005 mg/kg	0.005 mg/kg
Chlorobenzene	< 0.005 mg/kg	0.005 mg/kg
1,1,1,2-Tetrachloroethane	< 0.005 mg/kg	0.005 mg/kg
Ethylbenzene	< 0.005 mg/kg	0.005 mg/kg
M/P-Xylene	< 0.005 mg/kg	0.005 mg/kg
O-Xylene	< 0.005 mg/kg	0.005 mg/kg
Styrene	< 0.005 mg/kg	0.005 mg/kg
Bromoform	< 0.005 mg/kg	0.005 mg/kg
Isopropylbenzene (Cumene)	< 0.005 mg/kg	0.005 mg/kg
1,1,2,2-Tetrachloroethane	< 0.005 mg/kg	0.005 mg/kg
Bromobenzene	< 0.005 mg/kg	0.005 mg/kg
1,2,3-Trichloropropane	< 0.005 mg/kg	0.005 mg/kg
n-Propylbenzene	< 0.005 mg/kg	0.005 mg/kg

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Quality Laboratories

851 Mill Street, Hamilton, Ohio 45013

513-856-8378

Client	: Watterson Environmental	**Test**	: VOC
Project Name	: Sears - Elyria, OH	**Method**	: 8260B
Project Number	: #80026.03	**Limits**	: Listed
Sampling Date	: 4-29-04	**Units**	: mg/kg
Analysis Date	: 5-03-04	**Analytst**	: MMP
C.Q.L. Report #	: CIN-1367-04-01		

SAMPLE I.D. : EW-1
SAMPLE MATRIX : SOIL

BDL = Below Detection Limits

PARAMETER	RESULT	DET. LIMIT
Dichlorodifluoromethane	< 0.005 mg/kg	0.005 mg/kg
Chloromethane	< 0.005 mg/kg	0.005 mg/kg
Vinyl Chloride	< 0.005 mg/kg	0.005 mg/kg
Bromomethane	< 0.005 mg/kg	0.005 mg/kg
Chloroethane	< 0.005 mg/kg	0.005 mg/kg
Trichlorofluoromethane	< 0.005 mg/kg	0.005 mg/kg
Methylene Chloride	< 0.005 mg/kg	0.005 mg/kg
1,1-Dichloroethene	< 0.005 mg/kg	0.005 mg/kg
trans-1,2-Dichloroethene	< 0.005 mg/kg	0.005 mg/kg
1,1-Dichloroehane	< 0.005 mg/kg	0.005 mg/kg
2,2-Dichloropropane	< 0.005 mg/kg	0.005 mg/kg
cis-1,2-Dichloroethene	< 0.005 mg/kg	0.005 mg/kg
Chloroform	< 0.005 mg/kg	0.005 mg/kg
Bromochloromethane	< 0.005 mg/kg	0.005 mg/kg
1,1,1-Trichloroethane	< 0.005 mg/kg	0.005 mg/kg
Carbon Tetrachloride	< 0.005 mg/kg	0.005 mg/kg
1,1-Dichloropropene	< 0.005 mg/kg	0.005 mg/kg
Benzene	< 0.005 mg/kg	0.005 mg/kg
1,2-Dichloroethane	< 0.005 mg/kg	0.005 mg/kg
Trichloroethene	< 0.005 mg/kg	0.005 mg/kg
1,2-Dichloropropane	< 0.005 mg/kg	0.005 mg/kg
Bromodichloromethane	< 0.005 mg/kg	0.005 mg/kg
Dibromomethane	< 0.005 mg/kg	0.005 mg/kg
Toluene	< 0.005 mg/kg	0.005 mg/kg
1,1,2-Trichloroethane	< 0.005 mg/kg	0.005 mg/kg
Tetrachloroethene	< 0.005 mg/kg	0.005 mg/kg
1,3-Dichloropropane	< 0.005 mg/kg	0.005 mg/kg
Dibromochloromethane	< 0.005 mg/kg	0.005 mg/kg
1,2-Dibromoethane	< 0.005 mg/kg	0.005 mg/kg
Chlorobenzene	< 0.005 mg/kg	0.005 mg/kg
1,1,1,2-Tetrachloroethane	< 0.005 mg/kg	0.005 mg/kg
Ethylbenzene	< 0.005 mg/kg	0.005 mg/kg
M/P-Xylene	< 0.005 mg/kg	0.005 mg/kg
O-Xylene	< 0.005 mg/kg	0.005 mg/kg
Styrene	< 0.005 mg/kg	0.005 mg/kg
Bromoform	< 0.005 mg/kg	0.005 mg/kg
Isopropylbenzene (Cumene)	< 0.005 mg/kg	0.005 mg/kg
1,1,2,2-Tetrachloroethane	< 0.005 mg/kg	0.005 mg/kg
Bromobenzene	< 0.005 mg/kg	0.005 mg/kg
1,2,3-Trichloropropane	< 0.005 mg/kg	0.005 mg/kg
n-Propylbenzene	< 0.005 mg/kg	0.005 mg/kg

(Continued on next page)

Quality Laboratories

851 Mill Street, Hamilton, Ohio 45013

513-856-8378

Client	: Watterson Environmental	Test	: VOC
Project Name	: Sears - Elyria, OH	Method	: 8260B
Project Number	: #80026.03	Limits	: Listed
Sampling Date	: 4-29-04	Units	: mg/kg
Analysis Date	: 5-03-04	Analytst	: MMP
C.Q.L. Report #	: CIN-1367-05-01		

SAMPLE I.D. : WW-1
SAMPLE MATRIX : SOIL

BDL = Below Detection Limits

PARAMETER	RESULT	DET. LIMIT
Dichlorodifluoromethane	< 0.005 mg/kg	0.005 mg/kg
Chloromethane	< 0.005 mg/kg	0.005 mg/kg
Vinyl Chloride	< 0.005 mg/kg	0.005 mg/kg
Bromomethane	< 0.005 mg/kg	0.005 mg/kg
Chloroethane	< 0.005 mg/kg	0.005 mg/kg
Trichlorofluoromethane	< 0.005 mg/kg	0.005 mg/kg
Methylene Chloride	< 0.005 mg/kg	0.005 mg/kg
1,1-Dichloroethene	< 0.005 mg/kg	0.005 mg/kg
trans-1,2-Dichloroethene	< 0.005 mg/kg	0.005 mg/kg
1,1-Dichloroehane	< 0.005 mg/kg	0.005 mg/kg
2,2-Dichloropropane	< 0.005 mg/kg	0.005 mg/kg
cis-1,2-Dichloroethene	< 0.005 mg/kg	0.005 mg/kg
Chloroform	< 0.005 mg/kg	0.005 mg/kg
Bromochloromethane	< 0.005 mg/kg	0.005 mg/kg
1,1,1-Trichloroethane	< 0.005 mg/kg	0.005 mg/kg
Carbon Tetrachloride	< 0.005 mg/kg	0.005 mg/kg
1,1-Dichloropropene	< 0.005 mg/kg	0.005 mg/kg
Benzene	< 0.005 mg/kg	0.005 mg/kg
1,2-Dichloroethane	< 0.005 mg/kg	0.005 mg/kg
Trichloroethene	< 0.005 mg/kg	0.005 mg/kg
1,2-Dichloropropane	< 0.005 mg/kg	0.005 mg/kg
Bromodichloromethane	< 0.005 mg/kg	0.005 mg/kg
Dibromomethane	< 0.005 mg/kg	0.005 mg/kg
Toluene	< 0.005 mg/kg	0.005 mg/kg
1,1,2-Trichloroethane	< 0.005 mg/kg	0.005 mg/kg
Tetrachloroethene	< 0.005 mg/kg	0.005 mg/kg
1,3-Dichloropropane	< 0.005 mg/kg	0.005 mg/kg
Dibromochloromethane	< 0.005 mg/kg	0.005 mg/kg
1,2-Dibromoethane	< 0.005 mg/kg	0.005 mg/kg
Chlorobenzene	< 0.005 mg/kg	0.005 mg/kg
1,1,1,2-Tetrachloroethane	< 0.005 mg/kg	0.005 mg/kg
Ethylbenzene	< 0.005 mg/kg	0.005 mg/kg
M/P-Xylene	< 0.005 mg/kg	0.005 mg/kg
O-Xylene	< 0.005 mg/kg	0.005 mg/kg
Styrene	< 0.005 mg/kg	0.005 mg/kg
Bromoform	< 0.005 mg/kg	0.005 mg/kg
Isopropylbenzene (Cumene)	< 0.005 mg/kg	0.005 mg/kg
1,1,2,2-Tetrachloroethane	< 0.005 mg/kg	0.005 mg/kg
Bromobenzene	< 0.005 mg/kg	0.005 mg/kg
1,2,3-Trichloropropane	< 0.005 mg/kg	0.005 mg/kg
n-Propylbenzene	< 0.005 mg/kg	0.005 mg/kg

(Continued on next page)

Quality Laboratories

851 Mill Street, Hamilton, Ohio 45013

513-856-8378

Client	: Watterson Environmental	Test	: VOC
Project Name	: Sears - Elyria, OH	Method	: 8260B
Project Number	: #80026.03	Limits	: Listed
Sampling Date	: 4-29-04	Units	: mg/kg
Analysis Date	: 5-03-04	Analytst	: MMP
C.Q.L. Report #	: CIN-1367-06-01		

SAMPLE I.D. : B-1
SAMPLE MATRIX : SOIL

BDL = Below Detection Limits

PARAMETER	RESULT	DET. LIMIT
Dichlorodifluoromethane	< 0.005 mg/kg	0.005 mg/kg
Chloromethane	< 0.005 mg/kg	0.005 mg/kg
Vinyl Chloride	< 0.005 mg/kg	0.005 mg/kg
Bromomethane	< 0.005 mg/kg	0.005 mg/kg
Chloroethane	< 0.005 mg/kg	0.005 mg/kg
Trichlorofluoromethane	< 0.005 mg/kg	0.005 mg/kg
Methylene Chloride	< 0.005 mg/kg	0.005 mg/kg
1,1-Dichloroethene	< 0.005 mg/kg	0.005 mg/kg
trans-1,2-Dichloroethene	< 0.005 mg/kg	0.005 mg/kg
1,1-Dichloroehane	< 0.005 mg/kg	0.005 mg/kg
2,2-Dichloropropane	< 0.005 mg/kg	0.005 mg/kg
cis-1,2-Dichloroethene	< 0.005 mg/kg	0.005 mg/kg
Chloroform	< 0.005 mg/kg	0.005 mg/kg
Bromochloromethane	< 0.005 mg/kg	0.005 mg/kg
1,1,1-Trichloroethane	< 0.005 mg/kg	0.005 mg/kg
Carbon Tetrachloride	< 0.005 mg/kg	0.005 mg/kg
1,1-Dichloropropene	< 0.005 mg/kg	0.005 mg/kg
Benzene	< 0.005 mg/kg	0.005 mg/kg
1,2-Dichloroethane	< 0.005 mg/kg	0.005 mg/kg
Trichloroethene	< 0.005 mg/kg	0.005 mg/kg
1,2-Dichloropropane	< 0.005 mg/kg	0.005 mg/kg
Bromodichloromethane	< 0.005 mg/kg	0.005 mg/kg
Dibromomethane	< 0.005 mg/kg	0.005 mg/kg
Toluene	< 0.005 mg/kg	0.005 mg/kg
1,1,2-Trichloroethane	< 0.005 mg/kg	0.005 mg/kg
Tetrachloroethene	< 0.005 mg/kg	0.005 mg/kg
1,3-Dichloropropane	< 0.005 mg/kg	0.005 mg/kg
Dibromochloromethane	< 0.005 mg/kg	0.005 mg/kg
1,2-Dibromoethane	< 0.005 mg/kg	0.005 mg/kg
Chlorobenzene	< 0.005 mg/kg	0.005 mg/kg
1,1,1,2-Tetrachloroethane	< 0.005 mg/kg	0.005 mg/kg
Ethylbenzene	< 0.005 mg/kg	0.005 mg/kg
M/P-Xylene	< 0.005 mg/kg	0.005 mg/kg
O-Xylene	< 0.005 mg/kg	0.005 mg/kg
Styrene	< 0.005 mg/kg	0.005 mg/kg
Bromoform	< 0.005 mg/kg	0.005 mg/kg
Isopropylbenzene (Cumene)	< 0.005 mg/kg	0.005 mg/kg
1,1,2,2-Tetrachloroethane	< 0.005 mg/kg	0.005 mg/kg
Bromobenzene	< 0.005 mg/kg	0.005 mg/kg
1,2,3-Trichloropropane	< 0.005 mg/kg	0.005 mg/kg
n-Propylbenzene	< 0.005 mg/kg	0.005 mg/kg

(Continued on next page)

Quality Laboratories

851 Mill Street, Hamilton, Ohio 45013

513-856-8378

Client	: Watterson Environmental	Test	: VOC
Project Name	: Sears - Elyria, OH	Method	: 8260B
Project Number	: #80026.03	Limits	: Listed
Sampling Date	: 4-29-04	Units	: mg/kg
Analysis Date	: 5-12-04	Analytst	: BS
C.Q.L. Report #	: CIN-1367-07-01		

SAMPLE I.D. : CS-1
SAMPLE MATRIX : SOIL

BDL = Below Detection Limits

PARAMETER	RESULT	DET. LIMIT
Dichlorodifluoromethane	< 0.005 mg/kg	0.005 mg/kg
Chloromethane	< 0.005 mg/kg	0.005 mg/kg
Vinyl Chloride	< 0.005 mg/kg	0.005 mg/kg
Bromomethane	< 0.005 mg/kg	0.005 mg/kg
Chloroethane	< 0.005 mg/kg	0.005 mg/kg
Trichlorofluoromethane	< 0.005 mg/kg	0.005 mg/kg
Methylene Chloride	< 0.005 mg/kg	0.005 mg/kg
1,1-Dichloroethene	< 0.005 mg/kg	0.005 mg/kg
trans-1,2-Dichloroethene	< 0.005 mg/kg	0.005 mg/kg
1,1-Dichloroehane	< 0.005 mg/kg	0.005 mg/kg
2,2-Dichloropropane	< 0.005 mg/kg	0.005 mg/kg
cis-1,2-Dichloroethene	< 0.005 mg/kg	0.005 mg/kg
Chloroform	< 0.005 mg/kg	0.005 mg/kg
Bromochloromethane	< 0.005 mg/kg	0.005 mg/kg
1,1,1-Trichloroethane	< 0.005 mg/kg	0.005 mg/kg
Carbon Tetrachloride	< 0.005 mg/kg	0.005 mg/kg
1,1-Dichloropropene	< 0.005 mg/kg	0.005 mg/kg
Benzene	< 0.005 mg/kg	0.005 mg/kg
1,2-Dichloroethane	< 0.005 mg/kg	0.005 mg/kg
Trichloroethene	< 0.005 mg/kg	0.005 mg/kg
1,2-Dichloropropane	< 0.005 mg/kg	0.005 mg/kg
Bromodichloromethane	< 0.005 mg/kg	0.005 mg/kg
Dibromomethane	< 0.005 mg/kg	0.005 mg/kg
Toluene	< 0.005 mg/kg	0.005 mg/kg
1,1,2-Trichloroethane	< 0.005 mg/kg	0.005 mg/kg
Tetrachloroethene	< 0.005 mg/kg	0.005 mg/kg
1,3-Dichloropropane	< 0.005 mg/kg	0.005 mg/kg
Dibromochloromethane	< 0.005 mg/kg	0.005 mg/kg
1,2-Dibromoethane	< 0.005 mg/kg	0.005 mg/kg
Chlorobenzene	< 0.005 mg/kg	0.005 mg/kg
1,1,1,2-Tetrachloroethane	< 0.005 mg/kg	0.005 mg/kg
Ethylbenzene	0.008 mg/kg	0.005 mg/kg
M/P-Xylene	0.012 mg/kg	0.005 mg/kg
O-Xylene	0.018 mg/kg	0.005 mg/kg
Styrene	< 0.005 mg/kg	0.005 mg/kg
Bromoform	< 0.005 mg/kg	0.005 mg/kg
Isopropylbenzene (Cumene)	< 0.005 mg/kg	0.005 mg/kg
1,1,2,2-Tetrachloroethane	< 0.005 mg/kg	0.005 mg/kg
Bromobenzene	< 0.005 mg/kg	0.005 mg/kg
1,2,3-Trichloropropane	< 0.005 mg/kg	0.005 mg/kg
n-Propylbenzene	< 0.005 mg/kg	0.005 mg/kg

(Continued on next page)

Quality Laboratories

851 Mill Street, Hamilton, Ohio 45013

513-856-8378

Client	**: Watterson Environmental**
Project Name	**: Sears - Elyria, OH**
Project Number	**: #80026.03**
Sampling Date	**: 4-29-04**
Extraction Date	**: 5-12-04**
Q.L. Report #	**: CIN-1367-08**
Analyst	**: MMP**

TEST : TCLP METALS
DETECTION LIMITS : LISTED
ND = NON-DETECT
AMOUNTS REPORTED IN PPM

SAMPLE I.D. : CS-1
SAMPLE MATRIX : SOIL

PARAMETER	RESULT	MDL	UNITS	METHOD	DATE/ANALYST
Arsenic	< 0.100	0.100	mg/Kg	EPA6010	05-12-04 MP
Barium	< 0.100	0.100	mg/Kg	EPA6010	05-12-04 MP
Cadmium	< 0.100	0.100	mg/Kg	EPA6010	05-12-04 MP
Chromium	< 0.100	0.100	mg/Kg	EPA6010	05-12-04 MP
Lead	< 0.100	0.100	mg/Kg	EPA6010	05-12-04 MP
Mercury	< 0.010	0.010	mg/Kg	EPA7470	05-12-04 MP
Selenium	< 0.100	0.100	mg/Kg	EPA6010	05-12-04 MP
Silver	< 0.100	0.100	mg/Kg	EPA6010	05-12-04 MP

*** Instrument calibration is conducted on a daily basis and maintained at our office.**

Submitted By Marc Price
QUALITY LABORATORIES, INC.

CHAIN OF CUSTODY RECORD

Quality Laboratories

851 MILL STREET
HAMILTON, OHIO 45013
(513) 856-8378

PROJ. NO.	PROJECT NAME
[illegible]	[illegible]

SAMPLERS: *(Signature)* [signature]

STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CON-TAINERS	TPH 418	BTEX		VOCs	Metals		REMARKS
NW-1	4/2/01	10:22		Y		1	X	X		X			
EW-1	↓	10:36		Y		1	X	X		X			
WW-1	↓	10:31		X		1	X	X		X			
B-1	↓	10:24		X		1	X	X		X			
				Y									
GS-1	4/2/01	11:00		X		1				X	X		* Hold for verbal instructions

Relinquished by: *(Signature)*	Date / Time	Received by: *(Signature)*	Relinquished by: *(Signature)*	Date / Time	Received by: *(Signature)*
[signature]	4/2/01 11:25				
Relinquished by: *(Signature)*	**Date / Time**	**Received by: *(Signature)***	**Relinquished by: *(Signature)***	**Date / Time**	**Received by: *(Signature)***
Relinquished by: *(Signature)*	**Date / Time**	**Received for Laboratory by: *(Signature)***	**Date / Time**	**Remarks**	
		[signature]	4/2/01 11:25		

Distribution: Original Accompanies Shipment; Copy to Field Files

APPENDIX D

Water Well Sealing Reports

DNR 7810.00

WATER WELL SEALING REPORT
OHIO DEPARTMENT OF NATURAL RESOURCES
Division of Water
1939 Fountain Square Drive
Columbus, Ohio 43224-1385
Voice: (614) 265-6739 Fax: (614) 265-6767

0150730

LOCATION

County Lorain Township Elyria Section/Lot Number (Circle One or Both)

Owner/Builder Sears Auto Motive Center (Circle One or Both)

Address of Well Location 300 (Number) Midway Blvd (Street Name)

City Elyria Zip Code +4 44035-2453

Property Location Description: 1/1 miles South (n, e, s, w) of Tillotson St. (nearest intersection) on the East (n, e, s, w) side of Midway Blvd (road name)

Location of Well in State Plane coordinates, if available: N ☐ S ☐ X [ ] +/- [ ] ft. or m Y [ ] +/- [ ] ft. or m

Elevation of Well [ ] +/- [ ] ft. or m Datum Plain: ☐ NAD27 ☐ NAD83

Source of Coordinates: ☐ GPS ☐ Survey ☐ Other N/A

ORIGINAL WELL ODNR Well Log Number 944976 Copy attached? (circle one) Yes or No

MEASURED CONSTRUCTION DETAILS Date of measurements 4-29-04

Depth of Well 25'6" Static Water Level 17'

Size of Casing 2" Length of casing 18'6"

Well Condition Good

SEALING PROCEDURE

Method of Placement Slow pour

Placement:	From	To	Sealing Material	Volume
	25'6"	Surface	~~Bentonight~~ Bentonite	50 lbs

Was Casing Removed? Yes or No (circle one)

Condition of Casing Good

Perforations: From 25'6" To 18'6"

From ____ To ____

Date Sealing Performed 4-29-04

Reason(s) for Sealing Well Abandoned - No longer needed

CONTRACTOR

Name Genesis Contracting, Inc. ODH Registration #

Address 1679 Lance Pointe Dr.

City/State/Zip Maumee, OH 43537

Signature Daniel Brandt

I hereby certify the information given is accurate and correct to the best of my knowledge.

Completion of this form is required by section 1521.05 (B) (9), Ohio Revised Code - file within 30 days after completion of sealing.

ORIGINAL COPY TO - ODNR, DIVISION OF WATER, 1939 FOUNTAIN SQ. DRIVE, COLS., OHIO 43224-1385

Blue - Customer's copy Pink - Driller's copy Green - Local Health Dept. copy

DNR 7810.00

WATER WELL SEALING REPORT
OHIO DEPARTMENT OF NATURAL RESOURCES
Division of Water
1939 Fountain Square Drive
Columbus, Ohio 43224-1385
Voice: (614) 265-6739 Fax: (614) 265-6767

0150731

LOCATION

County Lorain Township Elyria Section/Lot Number (Circle One or Both)

Owner/Builder (Circle One or Both) Sears Automotive Center

Address of Well Location 300 (Number) Midway Blvd (Street Name)

City Elyria Zip Code +4 44035-2453

>1 miles south (n, e, s, w) of T. Tillotson St (nearest intersection)

Property Location Description: on the East (n, e, s, w) side of Midway Blvd (road name)

Location of Well in State Plane coordinates, if available: N ☐ S ☐ X [ ] ft. or m +/- [ ] Y [ ] ft. or m +/- [ ]

Elevation of Well [ ] ft. or m +/- [ ] Datum Plain: ☐ NAD27 ☐ NAD83 NA

Source of Coordinates: ☐ GPS ☐ Survey ☐ Other

ORIGINAL WELL ODNR Well Log Number 944975 Copy attached? (circle one) Yes or No

MEASURED CONSTRUCTION DETAILS Date of measurements 4-29-04

Depth of Well 25.6 feet Static Water Level 25 feet

Size of Casing 2 inches Length of casing 17 feet

Well Condition Good

SEALING PROCEDURE

Method of Placement Slow pour

Placement:	From	To	Sealing Material	Volume
	25.6 feet	Surface	Bentonite	50 lbs
	From	To		
	From	To		

Was Casing Removed? Yes or (No) (circle one)

Condition of Casing Good

Perforations: From 25.6 feet To 17.6 feet

From To

Date Sealing Performed 4-29-04

Reason(s) for Sealing Well Abandoned - No longer needed

CONTRACTOR

Name Genesis Contracting, Inc. ODH Registration # NA

Address 1679 Lance Pointe Dr.

City/State/Zip Maumee, OH 43537

Signature Daniel Brandt

I hereby certify the information given is accurate and correct to the best of my knowledge.

Completion of this form is required by section 1521.05 (B) (9), Ohio Revised Code - file within 30 days after completion of sealing.

ORIGINAL COPY TO - ODNR, DIVISION OF WATER, 1939 FOUNTAIN SQ. DRIVE, COLS., OHIO 43224-1385

Blue - Customer's copy Pink - Driller's copy Green - Local Health Dept. copy

TYPE OR USE PEN
SELF TRANSCRIBING
PRESS HARD

Ohio Department of Natural Resources
Divison of Water, 1939 Fountain Square Drive
Columbus, Ohio 43224-9971 Voice (614) 265-6739 Fax (614) 447-9503

944975

WELL LOCATION

County Lorain Township Elyria

Owner/Builder (Circle One or Both) Sears Automotive Center
First Last

Address of Well Location 300 Midway Blvd
Number Street Name

City Elyria Zip Code +4 44035

Permit No. Section/Lot No. (Circle One or Both)

Location of Well in State Plane coordinates, if available:

☐ X +/- ft. or m

☐ Y +/- ft. or m

Elevation of Well +/- ft. or m

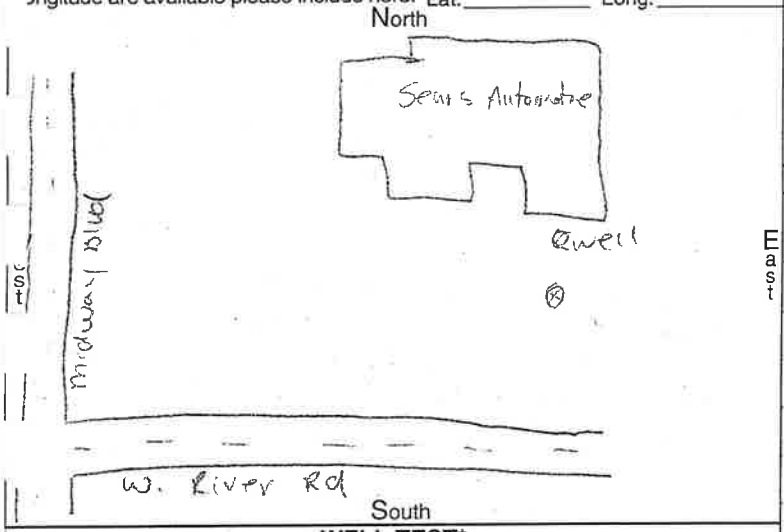
Datum Plain: ☐ NAD27 ☐ NAD83 Elevation Source

Source of Coordinates: ☐ GPS ☐ Survey ☐ Other

Use of Well Monitoring

N/A

Sketch a map showing distance well lies from numbered state highways, street intersections, county roads, buildings or other notable landmarks. If latitude and longitude are available please include here: Lat: Long:



WELL TEST*

Pre-Pumping Static Level ft. Date

Measured from: ☐ Top of Casing ☐ Ground Level ☐ Other

☐ Air ☐ Bailing ☐ Pumping ☐ Other

Test Rate gpm Duration of Test hrs.

Feet of Drawdown ft. Sustainable Yield gpm

*(Attach a copy of the pumping test record, per section 1521.05, ORC)

Copy Attached? ☐ Yes ☐ No Flowing Well? ☐ Yes ☐ No

Quality

N/A

PUMP/PITLESS

Type of pump Capacity gpm

Pump set at ft. Pitless Type

Pump installed by

N/A

I hereby certify the information given is accurate and correct to the best of my knowledge.

Drilling Firm Belasco Drilling Svc

Address 1519 Alum Creek Dr

City, State, Zip Columbus OH

Signed Date 7-1-02

OH Registration Number N/A

CONSTRUCTION DETAILS

☐ Rotary ☐ Cable ☒ Augered ☐ Driven ☐ Other

BOREHOLE/CASING (measured from ground surface)

1 ☐ Borehole Diameter 8 inches Depth 25.6 ft.

Casing Diameter 2 in. Length 17 ft. Thickness in.

2 ☐ Borehole Diameter inches Depth ft.

Casing Diameter in. Length ft. Thickness in.

Casing Height Above Ground ft.

Type 1 ☐ Steel 1 ☐ Galv. 1 ☒ PVC 1 ☐
2 ☐ 2 ☐ 2 ☐ 2 ☐ Other

Joints 1 ☒ Threaded 1 ☐ Welded 1 ☐ Solvent 1 ☐
2 ☐ 2 ☐ 2 ☐ 2 ☐ Other

SCREEN

Diameter 2" Slot Size .010 Screen Length 8 ft.

Type Slotted Material PVC

Set Between 25.6 ft. and 17.6 ft.

GRAVEL PACK (Filter Pack)

Material/Size #5 Volume/Weight Used 300 lbs

Method of Installation Dropped

Depth: Placed FROM 25-6 ft. TO 16-6 ft.

GROUT

Material Quick Grout Volume/Weight Used 25 gallons

Method of Installation Pumped

Depth: Placed FROM 17.6 ft. TO 1 ft.

DRILLING LOG*

INDICATE DEPTH(S) AT WHICH WATER IS ENCOUNTERED. Show color, texture, hardness, and formation: sandstone, shale, limestone, gravel, clay, sand, etc.	From	To
Asphalt & Base	0	1
Olive gray silty clay	1	16
Red weathered shale	16	25

*(If more space is needed to complete drilling log, use next consecutively numbered form.)

Date of Well Completion 6-25-02 Total Depth of Well 25.6 ft.

Completion of this form is required by section 1521.05, Ohio Revised Code - file within 30 days after completion of drilling.

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TYPE OR PRINT LEGIBLY
SELF TRANSCRIBING
PRESS HARD

Ohio Department of Natural Resources
Divison of Water, 1939 Fountain Square Drive
Columbus, Ohio 43224-9971 Voice (614) 265-6739 Fax (614) 447-9503

944976

WELL LOCATION

County Lorain Township ELYRIA

Owner/Builder (Circle One or Both) Sears Automotive Center
First Last

Address of Well Location 300 Midway Blvd
Number Street Name

City Elyria Zip Code +4 44035

Permit No. Section/Lot No. (Circle One or Both)

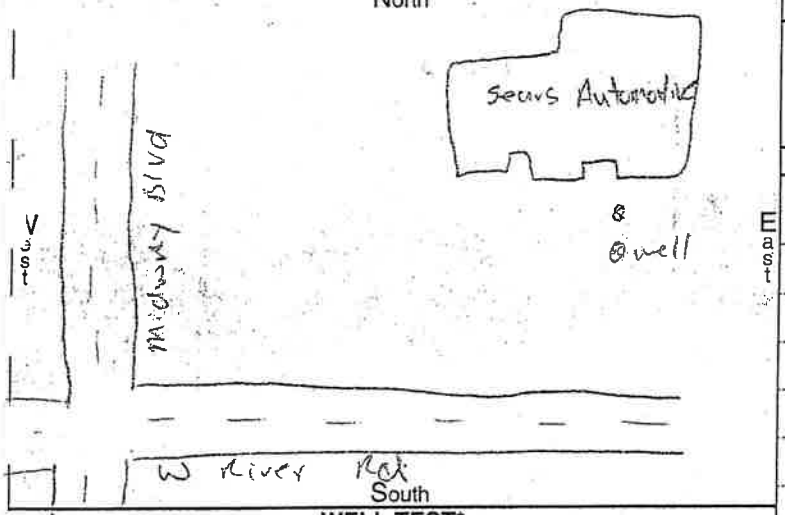
Location of Well in State Plane coordinates, if available:
N ☐ X N/A +/- ft. or m
S ☐ Y +/- ft. or m
Elevation of Well +/- ft. or m

Use of Well Monitoring

Datum Plain: ☐ NAD27 ☐ NAD83 Elevation Source

Source of Coordinates: ☐ GPS ☐ Survey ☐ Other

Sketch a map showing distance well lies from numbered state highways, street intersections, county roads, buildings or other notable landmarks. If latitude and longitude are available please include here: Lat: Long:



CONSTRUCTION DETAILS

☐ Rotary ☐ Cable ☒ Augered ☐ Driven ☐ Other

BOREHOLE/CASING (measured from ground surface)

1 ☐ Borehole Diameter 8 inches Depth 25.6 ft.
Casing Diameter 2 in. Length 18.6 ft. Thickness in.
2 ☐ Borehole Diameter inches Depth ft.
Casing Diameter in. Length ft. Thickness in.
Casing Height Above Ground ft.

Type: 1 ☐ 2 ☐ Steel; 1 ☐ 2 ☐ Galv.; 1 ☒ 2 ☐ PVC; 1 ☐ 2 ☐ Other
Joints: 1 ☒ 2 ☐ Threaded; 1 ☐ 2 ☐ Welded; 1 ☐ 2 ☐ Solvent; 1 ☐ 2 ☐ Other

SCREEN

Diameter 2" Slot Size .010 Screen Length 7 ft.
Type Slotted Material PVC
Set Between 25.6 ft. and 18.6 ft.

GRAVEL PACK (Filter Pack)

Material/Size #5 Volume/Weight Used 30 lbs
Method of Installation Dropped
Depth: Placed FROM 25.6 ft. TO 17 ft.

GROUT

Material Rick Grout Volume/Weight Used 30 gallons
Method of Installation pumped
Depth: Placed FROM 17 ft. TO 1 ft.

DRILLING LOG*

INDICATE DEPTH(S) AT WHICH WATER IS ENCOUNTERED. Show color, texture, hardness, and formation: sandstone, shale, limestone, gravel, clay, sand, etc.	From	To
Concrete and dust	0	1
Dark Brown silty Clay	1	16
Red weathered Shale	16	25.6

*(If more space is needed to complete drilling log, use next consecutively numbered form.)

Date of Well Completion 6-25-02 Total Depth of Well 25.6 ft.

WELL TEST*

Pre-Pumping Static Level ft. Date
Measured from: ☐ Top of Casing ☐ Ground Level ☐ Other
☐ Air ☐ Bailing ☐ Pumping ☒ Other N/A
Test Rate gpm Duration of Test hrs.
Feet of Drawdown ft. Sustainable Yield gpm
*(Attach a copy of the pumping test record per section 1521.05, ORC)
Copy Attached? ☐ Yes ☐ No Flowing Well? ☐ Yes ☐ No
Quality

PUMP/PITLESS

Type of pump N/A Capacity gpm
Pump set at ft. Pitless Type N/A
Pump installed by

I hereby certify the information given is accurate and correct to the best of my knowledge.

Drilling Firm Belasco Drilling SVC
Address 1519 Alum Creek Dr
City, State, Zip Columbus OH 43209

Signed Mark Cal Date 7-1-02
OH Registration Number N/A

Completion of this form is required by section 1521.05, Ohio Revised Code - file within 30 days after completion of drilling.
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APPENDIX E

Petroleum Contaminated Soil (PCS) Form

STATE FIRE MARSHAL/BUSTR
PETROLEUM CONTAMINATED SOIL (PCS) FORM

This form should be completed and submitted within 90 days of generating a stockpile, within 180 days of placing the soil in portable containers, or prior to treatment, whichever comes first.
A separate PCS form shall be completed for each stockpile generated.

OWNER/OPERATOR INFORMATION		
OWNER/OPERATOR NAME: Sears, Roebuck and Co.	CONTACT PERSON: Scott DeMuth	AREA CODE-PHONE: 847-286-5530
CITY: Hoffman Estates	STATE: IL	ZIP CODE: 60179

FACILITY INFORMATION	FACILITY WHERE SOILS WILL BE DISPOSED OF OR TREATED
FACILITY ID#: 47000451-N00001	
FACILITY NAME: Sears Unit 1310	FACILITY NAME: American Landfill, Inc.
ADDRESS: 300 Midway Boulevard	ADDRESS: 7916 Chapel St. SE
CITY: Elyria STATE: OH ZIP CODE:	CITY: Waynesburg STATE: OH ZIP CODE: 44688
TELEPHONE: 440-324-1628 COUNTY: Lorain	STOCKPILE DESIGNATION (e.g., pile #1, pile from waste oil cavity, etc.): CS-1

DATE STOCKPILE WAS GENERATED 4/29/04

Cubic Yards		(Check applicable)
_____	One Time Landfarming (OTL).....	_____on-site _____off-site
_____	Multiple Application Landfarming (MAL).....	_____on-site _____off-site
_____	Confined Treatment Area Process (CAT).....	_____on-site _____off-site
_____	Alternative Treatment Method (ALT).....	_____on-site _____off-site
_____	Soil analysis falls below Rule 16 re-use levels (RUL).....	_____on-site _____off-site
_____	Returned to excavation (below site specific action levels) (RTE BAL)	
_____	Returned to excavation (above site specific action levels) (RTE AAL)	
14	Disposal at a landfill (LFL)	
_____	Disposal at a treatment facility (COM)	
_____	Stockpile remains on-site (provide written explanation) (SOS)_____	

*********CONTINUED ON REVERSE SIDE*********

FOR OFFICE USE ONLY

REPORT #|__|__|__|__|__|__|__|__|-|__|__| __|__|__|__|

COORD: COCA / COCL DISP/TREAT:_____ LOC: ON / OFF STAT:____ PRIO:____ CLASS:____ LTF:____ CYDS:_____

IS O/O IN COMPLIANCE? Y N ARE SOILS ABOVE SITE SPECIFIC ACTION LEVELS? Y N

REVIEWED BY:_____ DATE:_____

ENTERED BY:_____ DATE:_____