



Department of Environmental Conservation

Division of Environmental Remediation

Korkay, Inc. Site
Contract No. 1

Site No. 5-18-014
Village of Broadalbin
Fulton County, New York

Post Remediation Report

January 1998

New York State Department of Environmental Conservation
GEORGE E. PATAKI, *Governor* JOHN P. CAHILL, *Commissioner*

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1.0 BACKGROUND

1.1 Site Description and History

The site is located at 70 West Main Street in the Village of Broadalbin, Fulton County, New York. The Village of Broadalbin, approximately one square mile in size, is located almost entirely within the limits of the Town of Broadalbin. Land uses surrounding the site include a lumber yard/residences to the north, a residence to the west, a church to the east, and West Main Street to the south.

Kenneyetto Creek is the nearest surface water body, located on the south side of West Main Street, approximately 600 feet south of the site. All neighboring homes receive their drinking water from a public water system.

Korkay Inc. was a chemical supply company which bought and stored bulk chemicals from other major chemical companies in 1969-1980 and blended these chemicals (detergents, solvents, etc.) into products such as car waxes, spray cleaners and hand cleaners.

Between 1969 and 1980, Korkay obtained previously used barrels, the former contents of which were unknown, and stored, washed, and relined the barrels on site. Barrel washwaters, washwaters from spill cleanups and vat cleaning were discharged to on-site septic systems which was believed to have resulted in soil and groundwater contamination.

1.2 Summary of Previous Investigations/Remedial Activities

In 1979, following complaints from the neighboring property owners, personnel from the NYSDEC and NYSDOH conducted an inspection of the facilities. At the inspection, it was observed that residue from the stored barrels leaked onto the ground creating puddles of unknown chemicals.

Analysis of samples collected by EA Science and Technology from onsite monitoring wells installed during preliminary assessment detected several organic compounds including acetone and trichloroethene in contravention of the NYSDEC groundwater standards and criteria.

As a result of the inspection conducted by the NYSDEC and NYSDOH, Korkay Inc. installed a 4,000-gallon above ground holding tank in 1980 to contain vat cleaning and spill cleanup washwater. In 1985, Korkay Inc. replaced two buried tanks used for storing fuel oil and bulk chemicals with an above ground tank. Soon afterwards, Korkay, Inc. filed for bankruptcy.

During 1992 and 1993, the NYSDEC conducted another site inspection which resulted in a DEC emergency response. Drums of hazardous wastes were staged and secured and a fence was erected around the rear of the property to control unauthorized access to the property. In 1993, the NYSDEC contracted with Camp, Dresser & McKee, a consulting engineer to conduct a Remedial Investigations and Feasibility Study of the Hazardous Waste at the Korkay site.

The RI was conducted in two phases. The first phase was conducted between September 1993 and April 1994 while the second phase was conducted between October 1994 and May 1995. The reports entitled Final RI Report dated April 1994 and Final Phase II RI Report dated May 1995 have been prepared describing the field activities and findings of the RI in detail.

To determine which media (soil, groundwater, etc.) contain contamination at levels of concern, the analytical data obtained from the RI was compared to Environmental Standards, Criteria, and Guidance (SCGs). Groundwater, drinking water and surface water SCGs identified for the Korkay site were based on NYSDEC Ambient Water Quality Standards and Guidance Values and Part V of NYS Sanitary Code. For the evaluation and interpretation of soil and sediment analytical results, NYSDEC soil cleanup guidelines for the protection of groundwater, background conditions and risk-based remediation criteria were used to develop remediation goals for soil. Based upon the limited amount of data generated from on-site air quality monitoring during the Site Remedial Investigation (RI), ambient air quality does not appear to be adversely affected by the site at this time. However, due to the close proximity of neighboring residences, air quality monitoring was required during remedial construction.

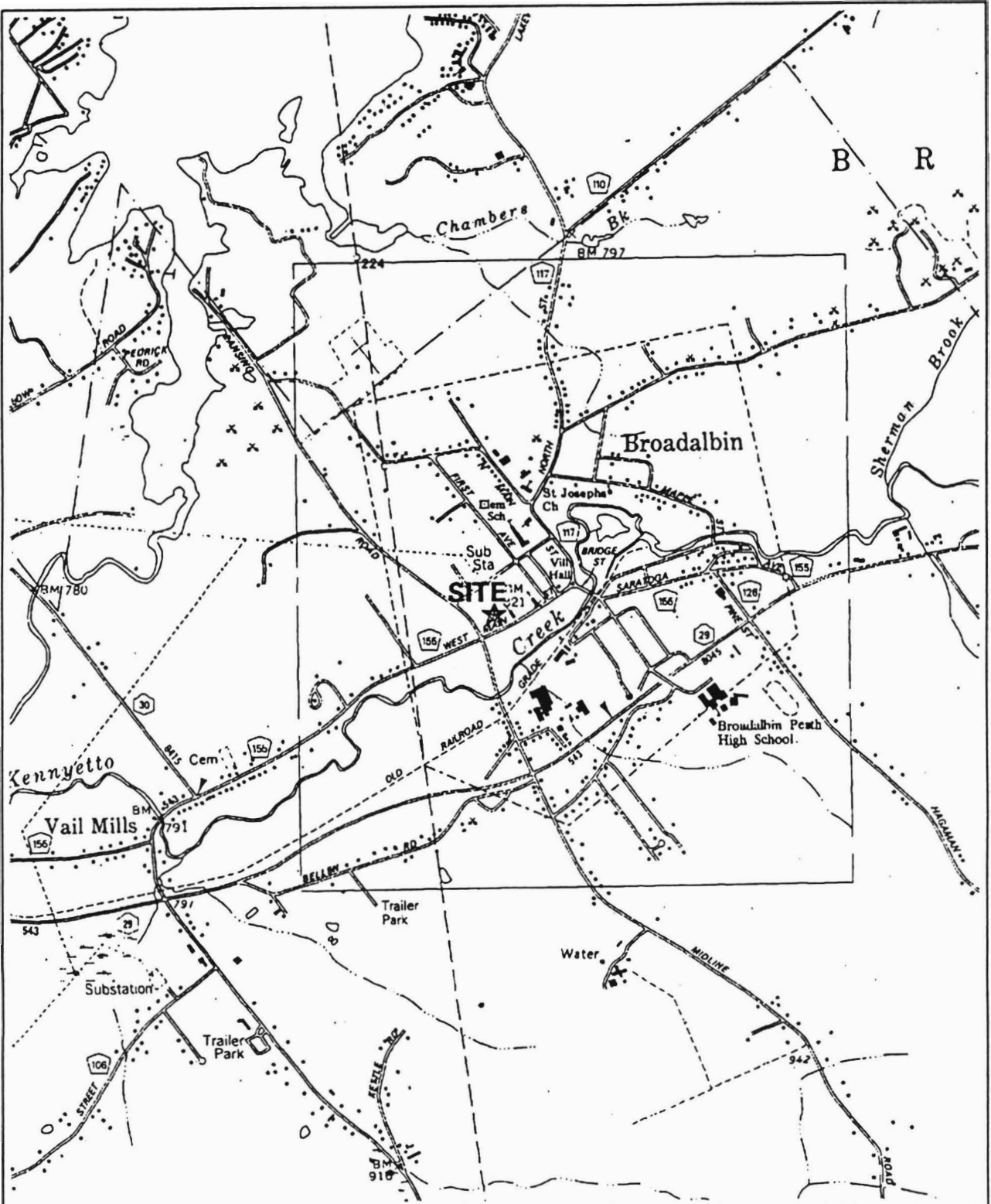
Soil samples were taken and contamination was discovered. Volatile Organic Compounds (VOCs) detected in soil samples include trichloroethene, xylene, acetone, ethylbenzene and toluene with concentrations ranging from 2.6 to 78 ppm. Semi-volatile organic compounds (SVOCs) detected include di-n-butylphthalate, benzo(a) pyrene, dibenzo (a,h) anthracene and phenol with concentrations ranging from 0.07 to 27 ppm. Pesticides detected include gamma-chlordane, aldrin, heptachlor epoxide, endrin (total) and dieldrin with concentrations ranging from 0.03 to 8.9 ppm.

Site related contaminants in groundwater above class GA groundwater standards included: VOCs - Trichloroethene, 1,2 - Dichloroethene, Xylene and Ethylbenzene with concentrations ranging from 6 to 800 ppb; SVOCs - Naphthalene, 1,2 - Dichlorobenzene, 2-Methylphenol and Di-n-butylphthalate with concentrations ranging from 4 to 100 ppb; Pesticides - Aldrin, Heptachlor Epoxide, Dieldrin and 4-DDE with concentrations ranging from 0.1 to 0.8 ppb.

The ROD was issued on March 26, 1996. Charles Sullivan's August 30, 1995 referral to Michael J. O'Toole, Jr., has authorized that superfund money may be spent for remedial Design and Remedial Action.

The other important dates for this project are as follows:

Design Start	April 1996
Design End	December 1996
Construction Project was first Advertised	December 27, 1996
Addenda No. 1 was issued	January 23, 1997
Bid Opening Date	January 30, 1997
Notice to Proceed Date	April 29, 1997
Substantial Completion Date	August 29, 1997
Final Completion Date	September 24, 1997



Site Location Map

518014 Korkay, Inc.
 NYSDOT Planimetric Quadrangle(s):
 BROADALBIN

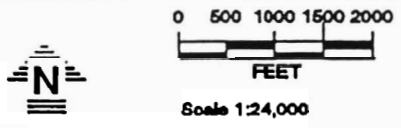
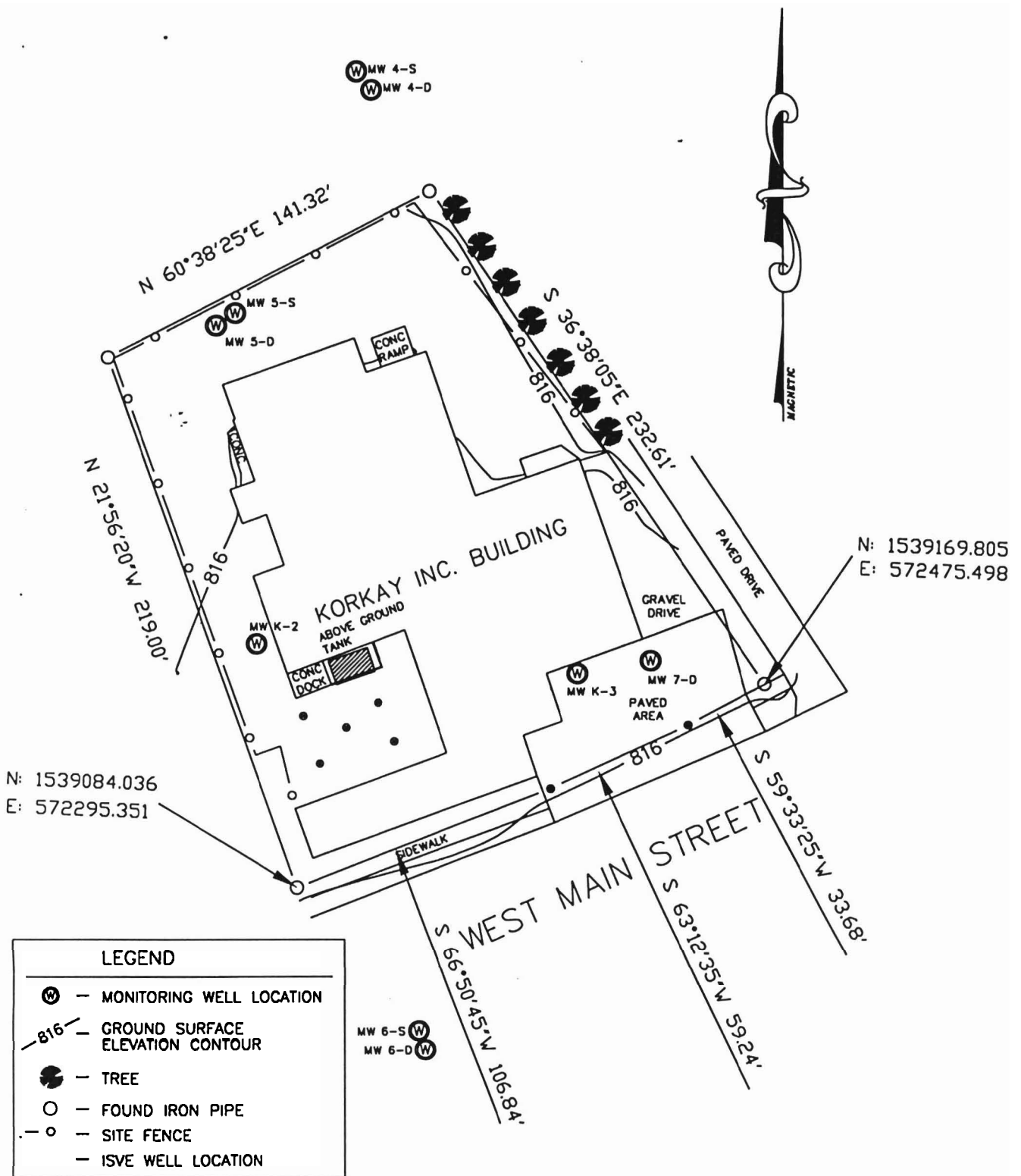


Figure 1-1



EXISTING SITE PLAN

Figure 1-2

2.0 SUMMARY OF REMEDIAL WORK

2.1 General Overview

On January 30, 1997, a bid opening was held for construction contract No. 1 (see Appendix A for the original tabulation of bids received). Allstate Power Vac, Inc. (APV), located at 2515 Brunswick Avenue in Linden, New Jersey 07036, was selected through a competitive bidding process by the NYSDEC with a bid of \$166,605.00. Table 2-1 includes a breakdown of APV's bid. Notice to Proceed was issued on April 29, 1997, after approval of APV project plans (i.e., work plan, asbestos abatement plan, sampling plan and quality assurance/quality control plan) and providing no further comments on APV's health & safety plan. APV began to mobilize and start work on this same date.

The major tasks completed at the site includes:

- Mobilization to the site. This work included trailer setup, electric & telephone phone hook up, providing sanitary facilities, providing a solid waste disposal dumpster and the delivery of contractor equipment;
- Removal and dispose of all asbestos in the building as delineated in the asbestos survey performed by Hazardous Materials Management (HM2);
- Removing the drums generated by the Department during previous investigations and staging them on a polyethylene sheet with a polyethylene cover located at the north end of the site;
- Removal and disposal of the on-site empty drums to a metals recycler. A large quantity of clean empty containers, cardboard, tires and other plastics were also sent off site and recycled;
- Removing various process chemicals found in the building which were used by the former owner and staging them with the drums;
- Cataloging all of the drums & process chemicals and segregating them into different categories for disposal;

- Demolition of the on-site building, filling the basement with non-biodegradable crushed concrete block and off-site disposal of the remaining demolition debris;
- Filling in the on-site septic tanks and dry wells with sand;
- Removal and off-site disposal of all above and underground storage tanks;
- Removal and off-site disposal of contaminated surface soil.
- Performing Real time, documentational and periodic air monitoring throughout demolition and intrusive activities (a copy of all air monitoring results was sent to the New York State Department of Health).
- Removal and off-site disposal of all drummed material;
- Laboratory packing all process chemicals and off site disposal.
- Regrading the site, placing topsoil and seeding the entire site;
- Issuance of Substantial Completion (August 29, 1997)
- Completing all punch list items (i.e. removing miscellaneous debris, repairing the on-site trailer and mowing the lawn); and
- Final Completion issued (September 24, 1997).

Work was completed in accordance with the approved APV project plans and Contract Documents. Substantial Completion was issued on August 29, 1997 and Final Completion was issued on September 24, 1997. The most significant changes from the original contract documents dealt with drum removal and tank removal as discussed in Section 2.2 of this report. Quantity adjustments, based on actual site conditions, and discussed in Section 2.3.

A summary of wastes removed during construction and a list of the disposal facilities can be found on Table 2-2. A list of subcontractors utilized by APV during the remedial activities at the site is included in Table 2-3.

2.2 Variations from the Original Contract Documents

Below is a summary of the variations from the original contract documents that occurred during the remediation work at the site. Additional information regarding these differences can be found in Appendix B, under Final Change Order No. 1.

On-Site Office Trailer

The contract documents called for the contractor to buy, furnish and install a brand new William Scotsman office trailer on site for the Department's field representative to use throughout construction. Upon final acceptance, the contractor was responsible for delivering the trailer to the Saratoga Tree Nursery where the Department would use the unit to house laboratory equipment.

During the preconstruction conference, APV indicated that the model of trailer requested could not be delivered to the site until much later. Therefore, the Department and APV agreed to share a trailer designed with a separate office on one end that the Department field representative could use. At the end of construction, the new trailer was delivered to the site, connected for electric and telephone use, and ownership transferred to the Department. Power and telephone charges became the responsibility of the Department on August 1, 1997. The Department also decided to leave the trailer at the Korkay site for the consultant to use during the next remedial phase. The consultant will deliver the trailer to the Saratoga Tree Nursery afterwards.

The changes outlined above resulted in no net charge to the final contract price.

Asbestos Abatement Work

Hazardous Materials Management (HM2) prepared an Asbestos Inspection Report which identified the type, quantity and location of all the asbestos contaminated materials which HM2 found during an asbestos survey. This report was included in the contract documents for the contractor to use when developing a cost for asbestos abatement. During construction, however, APV removed eight sections of asbestos flue pipe, asbestos in a fire door and asbestos found in the boiler that was not included in HM2's Asbestos Inspection Report. The contractor was compensated for the additional asbestos removal work.

The changes outlined above resulted in an increase to the final contract price. Refer to change order item "A" in appendix A of this document for specific costs.

Building Demolition

The contract documents required the contractor to demolish the building prior to soil excavation work because the building was deemed "structurally unsound" and any work performed while the building was still standing would be dangerous to the workers. APV used a backhoe to tear the building down. In order to avoid using polyethylene to protect the surface contaminated soil, the contractor used a demolition technique where the tracks of the backhoe never entered the contaminated area. APV would tear down a section of the building, stage the demolition debris in an uncontaminated area, and move the backhoe to the area most recently demolished. Using this technique, the contractor never left the footprint of the building during demolition.

Prior to demolition, the Department noted that an elaborate sprinkler system was in the building. This system was not removed and sold for re-use because: 1) the job of disconnecting all of the sections of pipe is extremely labor intensive and not cost effective and 2) the threads on the pipes would be stripped during the second installation and the sprinkler system would not meet fire code. Instead, APV picked out the majority of the sprinkler piping from the demolition debris and sent it off-site to a metals recycler.

A basement was located under the eastern portion of the original building. The contract documents allowed non-biodegradable material to be used to fill in the basement. APV buried crushed concrete blocks and sand into the basement. A large concrete loading dock was also buried on-site just north of the basement (see as-built drawings in Appendix C for location of the basement and loading dock).

As stated in Table 2-2, most of the demolition debris went to McLaughlin C&D landfill for disposal. However, some of the concrete block was used as road subbase on the Fox Hill Road project. In order to justify off site re-use, the contractor sampled the block for TCLP lead (see sample KK-001 in Appendix B for analytical results) and it was determined to be clean.

The changes outlined above resulted in no net charge to the final contract price.

Drywells and Septic Tanks

The contract documents required septic tanks 3TB and 1TC and dry wells 3DA & 1TD (see as-built drawings in Appendix C for location) to be filled in with concrete. During construction, the contractor discovered a large quantity of sand fill under the eastern raised concrete floor slab. APV sampled the sand for total TCLP (see sample KK-002 in Appendix B for results) and the Department determined it to be clean. Therefore, the contractor used the sand instead of concrete to fill in the septic tanks and dry wells.

All septic tanks and dry wells were filled in with the sand. An additional septic tank with a dry well attached was found off the rear of the warehouse (see as-built drawings in Appendix C for location). This well was also filled in.

The change outlined above resulted in a decrease to the final contract price. Refer to change order item "N" in Appendix A of this document for specific costs associated with the deletion of concrete.

Non-Hazardous Soil Excavation and Disposal

Two samples were taken of the soil from the excavation area (see samples KK-003 & KK-004 in Appendix B for analytical results). These results confirmed that the soil was not contaminated. Therefore, the soil was taken to Fulton County Landfill for disposal.

The change outlined above resulted in no net charge to the final contract price.

Above and Underground Storage Tanks Removal & Disposal

The contract documents required above ground storage tanks 2TB & ITF, the 275 gallon tank in the basement and underground storage tanks (USTs) 2TA and 4TA to be removed and disposed off-site. During construction, APV identified one of the tanks (1TA) originally thought to be a septic tank as an UST (see as-built drawings in Appendix C for the location of all three USTs). The contractor was compensated for the cost of removing the additional UST.

Based on 1994 sampling results, it was assumed that all of the tanks were empty. However, the tanks contained liquid waste when they were opened. Therefore, APV hired Kleen Resources to pump out the tank contents, clean out the interior of the tank and dispose of the liquid waste. APV sampled the tank contents (see sample KK-007 in Appendix B for analytical results) and classified the contents as hazardous since its chlorine content was too high. The waste was ultimately disposed by Northeast Environmental Services.

The changes outlined above resulted in an increase to the final contract price. Refer to change order items "B", "C" & "F" in Appendix A for specific costs associated with pumping of tank contents, removing the additional UST and sampling respectively.

Removal of Hazardous Drums and Lab Packs

Various process chemicals were found in the building. These chemicals were not identified in the contract documents. Therefore, APV lab packed the chemicals and solicited three quotes from different disposal facilities. Chem Waste Management removed and disposed of the lab packed material.

Various drums were originally identified as non-hazardous in section 00503.10 of the contract documents. Upon further review of sampling data performed in 1994, it was determined that some of the drums were hazardous. Addendum No. 1 stated that additional sampling would be done by the Department. Later it was discovered that it was not practical for the Department to perform this work. Instead of performing full TCLP samples on all of the drums, the Department determine it to be more cost effective to use existing 1994 sampling data to profile the drums as hazardous. The contractor solicited three quotes from different disposal facilities to remove and dispose of the drums. Max Environmental performed the work.

The changes outlined above resulted in an increase to the final contract price. Refer to change order items "D" & "E" in Appendix A for specific costs associated with removal of Lab Pack's and Hazardous drums respectively.

Removal of Non-Hazardous Drums

Based on the 1994 sampling results, Max Environmental characterized some of the drums which they disposed as non-hazardous. Therefore, the removal and disposal of these drums were paid under bid Item 00503.10.E - Non-Hazardous Drum Disposal.

One composite sample was taken for all the drums that contained non-hazardous monitoring well drill cuttings (see sample KK-006 in Appendix B for analytical results). The results justified emptying the drums into a truck and disposing of the contents at Fulton County Landfill. The empty drums were wiped clean and disposed at a metal recycler. The cost of disposal of these drums were also paid under bid Item 00503.10.E.

Another composite sample was taken for all the drums that contained non-hazardous purge water and decon water (see sample KK-008 in Appendix B for analytical results). Since, the results showed the water passed drinking water standards, the water was returned to the ground water. The sediment on the bottom was disposed with the drill cuttings. The empty drums were wiped clean and disposed at a metal recycler. The cost of disposal of these drums were also paid under bid Item 00503.10.E.

Refer to change order items "F" and "J" in Appendix A for specific costs associated with sampling and quantity adjustments for bid item 00503.10.E respectively.

Deletion of Sampling

Section 00503.8.I of the specifications required one grab sample to be taken for every 1000 cubic yards of demolition debris created. Since the building was determined not to be contaminated during the RI/FS this requirement was deleted.

Approximately 3000 cubic yards of demolition debris was taken off-site for disposal. Therefore, three grab samples were deleted and APV gave the Department a credit for this work.

Section 00501.5.A of the specifications required three soil samples to be taken before the decontamination pad was built and after the decontamination pad was removed. This requirement was reduced to only one sample before and after. As a result, the CONTRACTOR took a soil sample before the decon pad was constructed (see sample KK-005 in Appendix B for analytical results). Since the decontamination pad was never used because the CONTRACTOR decided to keep the trucks and backhoe out of the contaminated area (the bucket was decontaminated separately), the need for future sampling was eliminated. Therefore, five of the six soil samples were deleted and APV gave the Department a credit for this work.

The changes outlined above resulted in a decrease to the final contract price. Refer to change order items "G" and "H" in appendix A for specific costs with the deletion of grab and soil samples respectively.

Topsoil and Seed Mixture

All topsoil used on this project was taken from the Pine Avenue Pit in Johnstown, New York. This source was acceptable because it was previously approved by the NYSDOT and its pH, organic content and sieve analysis results were within the acceptable limits as defined by the contract documents. More topsoil was needed than originally estimated to achieve final site contours and maintain positive drainage.

APV requested to use a different seed mixture than what was in the contract documents. The following specifies what was approved:

Application Rate:	9.25 lbs. Per 1,000 ft ²
Seed:	150 lbs LESCO Tall Fescue Mix 100 lbs LESCO METRO Mix
Fertilizer:	100 lbs 15-30-15 30% SCU per 10,000 ft ²
Mulch	70% wood fiber, 30% paper mulch

The changes outlined above resulted in an increase to the final contract price. Refer to change order item "K" in appendix A for specific costs associated with the additional topsoil used on the Korkay site.

Additional Investigations

Based on information provided by neighboring residents, the Department instructed APV to dig test pits in the northeast and northwest corners of the site to look for additional dry wells or tanks. Based on these investigations, nothing was found by APV.

The change outlined above resulted in no net charge to the final contract price.

2.3 Quantity and Cost Adjustments

There were numerous adjustments to the contract amounts based on actual quantities as measured in the field. Below are discussions of these adjustments in contract quantities. A summary of the estimated and actual contract quantities and amounts by bid item can be found in Table 2-1.

Site Facilities and Services

The number of days for this bid item was increased to reflect the actual number of days site services were provided. Refer to change order Item "I" in Appendix A for a more thorough explanation and breakdown of costs.

Backfill

No backfill was needed on this project because APV had enough concrete block to fill in the basement. Therefore, the Department received a full credit for this item. Refer to change order Item "L" in Appendix A for a more thorough explanation and breakdown of costs.

Health and Safety

The number of days for this bid item was decreased to reflect the actual number of days health and safety was provided. Refer to change order Item "M" in Appendix A for a more thorough explanation and breakdown of costs.

2.4 Change Orders

There was one change order issued during the contract. The complete change order is included in Appendix A of this report. Change Order No. 1 (Final) was issued after Final Completion on January 12, 1997 and contained fourteen items. The change order had a value of \$23,411.83, revising the contract amount to \$190,016.83.

The date of substantial completion was increased 63 days to August 29, 1997. Subsequently, the date of final completion was increased 59 days to September 24, 1997. The additional days for substantial completion were needed for APV to perform the work outlined in Section 2.2 entitled "Removal of Hazardous Drums and Lab Packs". The additional days between substantial completion and final completion were needed for APV to complete the "punch list" generated at substantial completion.

Table 2-1

SUMMARY OF CONTRACT COSTS

Korkay, Inc. Site
NYSDEC Site No. 5-18-014

Bid Item	Description	Unit Price	Est. Quantity	Subtotal
00501	Site Preparation	\$39,000.00	Lump Sum	\$39,000.00
00502	Site Facilities & Services	\$70.00	45 Days	\$3,150.00
00503	Building Demolition	\$63,600.00	Lump Sum	\$63,600.00
00503.10.E	Haz. Drum Disposal	\$105.00	64 Drums	\$6,720.00
00504	Exc. & Disp. of Non-Haz Soil	\$10,900.00	Lump Sum	\$10,900.00
00505.1	Topsoil	\$4,100.00	Lump Sum	\$4,100.00
00505.2	Seeding	\$2.60	475 yd ²	\$1,235.00
00505.3	Backfill	\$17.00	150 yd ³	\$2,550.00
01392	Health and Safety	\$750.00	20 Days	\$15,000.00
01640	Tank Removal & Disposal	\$9,000.00	Lump Sum	\$9,000.00
02005.1	Septic Tank/Dry Well Closure	\$8,600.00	Lump Sum	\$8,600.00
02005.3.C	Concrete Fill	\$110.00	25 yd ³	\$2,750.00
Original Contract Total				\$166,605.00
C.O. Item	Description	Unit Price	Est. Quantity	Subtotal
Item A	Asbestos Removal	\$943.06	Lump Sum	\$943.06
Item B	Pump/Dispose Tank Contents	\$10,858.24	Lump Sum	\$10,858.24
Item C	Additional UST Rem. & Disp.	\$712.19	Lump Sum	\$712.19
Item D	Removal of Lab Packs	\$5,264.48	Lump Sum	\$5,264.48
Item E	Haz Drum Disposal	\$16,353.25	Lump Sum	\$16,353.25
Item F	Additional Sampling	\$2,281.13	Lump Sum	\$2,281.13
Item G	Deletion of Grab Samples	(\$500.00)	Lump Sum	(\$500.00)
Item H	Deletion of Soil Samples	(\$925.00)	Lump Sum	(\$925.00)
Item I	Payment Item 00502 Increase	\$70.00	33 Days	\$2,310.00
Item J	Pay. Item 00503.10.E Decrease	(\$105.00)	36 Drums	(\$2,940.00)
Item K	Payment Item 00505.1 Increase	\$21.24	52 yd ³	\$1,104.48
Item L	Payment Item 00505.3 Decrease	(\$17.00)	150 yd ³	(\$2,550.00)
Item M	Payment Item 01392 Decrease	(\$750.00)	9 Days	(\$6,750.00)
Item N	Payment Item 02005.3 Decrease	(\$110.00)	25 yd ³	(\$2,750.00)
Final Change Order Amount				\$23,411.83
FINAL CONTRACT AMOUNT			\$190,016.83	

Table 2-2

SUMMARY OF WASTES REMOVED AND DISPOSAL FACILITIES

**Korkay, Inc. Site
NYSDEC Site No. 5-18-014**

DESCRIPTION	QUANTITY	DISPOSAL FACILITY
Asbestos Contaminated Material (Bagged)	1 Lump Sum	Fulton County Landfill Johnstown, NY
Non-Contaminated Decon/Purge Water	18 Drums	Disposed of On-Site
Non-Contaminated Drill Cuttings	18 Drums	Fulton County Landfill Johnstown, NY
Building Demotilion Debris	1,951 Cubic Yards	McLaughlin C&D Debris Landfil Queensbury, NY
Liquid Tank Waste	1900 Gallons	(1) Northeast Environmental Services Canastota, NY
Lab Packed Material	11 Drums and Boxes	(2) Chemical Waste Management Model City, NY
Hazardous & Non-Hazardous Drums	34 Drums	(3)Max Environmental (a.k.a. Mill Service, Inc.) Pittsburgh, PA

Notes:

- (1) Northeast Environmental sent the liquid waste from the above and underground storage tanks to three different ultimate disposal facilities. These facilities are Keystone Cement (Bath, PA), Medusa Cement (Wampum, PA) and EI DuPont (Deepwater, NJ).
- (2) Chemical Waste Management sent the lab packs through their subsidiary, Advanced Environmental Technical Services, to the Trade Waste Incinerator in Sauget, Illinois.
- (3) Max Environmental sent the hazardous and non-hazardous drums to four different ultimate disposal facilities. These facilities are Environmental Enterprise, Inc. (Cincinnati, OH), ESSRDC Materials, Inc. (Logansport, IN), Petro Chem Processing (Detroit, MI), and LWD, Inc. (Calvert City, KY).

Table 2-3

**LIST OF SUBCONTRACTORS
Korkay, Inc. Site
NYSDEC Site No. 5-18-014**

Subcontractor	Responsibility
Dona Tech Broadalbin, NY	Asbestos removal and disposal
Environmental Solutions Ballston Spa, NY	Health and safety
Kleen Resources Rensselaer, NY	Cleaning and pumping out the contents of the on-site tanks including transportation & disposal
Dave's Landscaping Amsterdam, NY	Seeded the entire site
Rick Carbone	Trucking
Stephen Miller	Trucking

3.0 ENGINEER'S CERTIFICATION

KORKAY, INC. SITE CONSTRUCTION CERTIFICATION

Construction was completed in substantial conformance with the Contract Documents entitled "Korkay, Inc. Site" dated December 1996 and Addendum No. 1 dated January 23, 1997.



Signature: _____

James Van Hoesen
James G. Van Hoesen, P.E.
Designated Representative

Date: _____

1-20-98

APPENDIX A

ORIGINAL TABULATION OF BIDS

**Korkay, Inc. Site
Bid Breakdown
Site No. 5-18-014**

Bid Opening: Thursday, January 30, 1997 @ 1:00 p.m.

Payment Item No.	Description	Quantity	unit	Engineer's Estimate unit price	total	Allstate Power-Vac unit price	total	Delaney Construction unit price	total	Maxymillian Tech Inc. unit price	total	Jackson Demo Serv Inc. unit price	total	USA Reded Serv Inc. unit price	total	A J Montclair Inc. unit price	total
00501	Site Preparation	1	LS	\$38,000.00	\$38,000.00	\$39,000.00	\$39,000.00	\$85,000.00	\$85,000.00	\$49,889.00	\$49,889.00	\$41,000.00	\$41,000.00	\$35,000.00	\$35,000.00	\$22,300.00	\$22,300.00
00502	Site Facilities and Services	45	DAY	\$200.00	\$9,000.00	\$70.00	\$3,150.00	\$1.00	\$45.00	\$233.00	\$10,485.00	\$200.00	\$9,000.00	\$200.00	\$9,000.00	\$400.00	\$18,000.00
00503	Building Demo. and Disposal	1	LS	\$125,000.00	\$125,000.00	\$63,600.00	\$63,600.00	\$75,000.00	\$75,000.00	\$77,496.00	\$77,496.00	\$89,200.00	\$89,200.00	\$70,000.00	\$70,000.00	\$111,875.00	\$111,875.00
00503.10.E	Drums Disposal	64	EACH	\$160.00	\$10,240.00	\$105.00	\$6,720.00	\$20.00	\$1,280.00	\$50.00	\$3,200.00	\$150.00	\$9,600.00	\$150.00	\$9,600.00	\$500.00	\$32,000.00
00504	Exc. & Disp. of non-haz soil	1	LS	\$6,000.00	\$6,000.00	\$10,900.00	\$10,900.00	\$20,000.00	\$20,000.00	\$13,775.00	\$13,775.00	\$23,000.00	\$23,000.00	\$10,500.00	\$10,500.00	\$9,700.00	\$9,700.00
00505.1	Top Soil	1	LS	\$5,250.00	\$5,250.00	\$4,100.00	\$4,100.00	\$5,000.00	\$5,000.00	\$2,850.00	\$2,850.00	\$2,000.00	\$2,000.00	\$8,750.00	\$8,750.00	\$4,700.00	\$4,700.00
00505.2	Seeding	475	SY	\$2.00	\$950.00	\$2.60	\$1,235.00	\$3.00	\$1,425.00	\$3.11	\$1,477.25	\$1.00	\$475.00	\$4.00	\$1,900.00	\$1.00	\$475.00
00505.3	Backfill	150	CY	\$20.00	\$3,000.00	\$17.00	\$2,550.00	\$10.00	\$1,500.00	\$12.00	\$1,800.00	\$5.00	\$750.00	\$30.00	\$4,500.00	\$15.00	\$2,250.00
01392	Health and Safety	20	DAY	\$550.00	\$11,000.00	\$750.00	\$15,000.00	\$1.00	\$20.00	\$316.25	\$6,325.00	\$500.00	\$10,000.00	\$1,250.00	\$25,000.00	\$1,000.00	\$20,000.00
01640	Tank Removal & Disposal	1	LS	\$10,000.00	\$10,000.00	\$9,000.00	\$9,000.00	\$3,000.00	\$3,000.00	\$8,860.00	\$8,860.00	\$4,500.00	\$4,500.00	\$12,000.00	\$12,000.00	\$2,500.00	\$2,500.00
02005.1	Septic Tank / Dry Well Closure	1	LS	\$3,000.00	\$3,000.00	\$8,600.00	\$8,600.00	\$2,000.00	\$2,000.00	\$1,500.00	\$1,500.00	\$500.00	\$500.00	\$8,000.00	\$8,000.00	\$5,200.00	\$5,200.00
02005.3.C	Concrete Fill	25	CY	\$100.00	\$2,500.00	\$110.00	\$2,750.00	\$65.00	\$1,625.00	\$85.00	\$2,125.00	\$65.00	\$1,625.00	\$85.00	\$2,125.00	\$200.00	\$5,000.00
	Calculated Total				\$223,940.00		\$166,605.00		\$175,895.00		\$179,782.25		\$191,650.00		\$196,375.00		\$234,000.00
	Bid Total						\$166,605.00		\$175,895.00		\$179,782.25		\$191,650.00		\$192,325.00		\$234,000.00
	Pollution Liability Insurance						\$20,000.00		\$20,000.00		\$3,900.00		\$30,000.00		\$4,808.00		\$23,000.00

Note: error in bid item 00505.3

Payment Item No.	Description	Quantity	unit	EnviroClean-Northeast unit price	total	I W S Inc. unit price	total	Marcy Excavation unit price	total	All Phase Envir Svr Inc. unit price	total	West Central unit price	total	Kleen Resources Envir unit price	total
00501	Site Preparation	1	LS	\$50,036.00	\$50,036.00	\$27,700.00	\$27,700.00	\$53,928.00	\$53,928.00	\$12,400.00	\$12,400.00	\$74,414.00	\$74,414.00	\$34,000.00	\$34,000.00
00502	Site Facilities and Services	45	DAY	\$1,060.00	\$47,700.00	\$500.00	\$22,500.00	\$112.00	\$5,040.00	\$588.88	\$26,499.60	\$330.00	\$14,850.00	\$1,188.89	\$53,500.00
00503	Building Demo. and Disposal	1	LS	\$83,680.00	\$83,680.00	\$87,000.00	\$87,000.00	\$176,707.00	\$176,707.00	\$182,300.00	\$182,300.00	\$199,500.00	\$199,500.00	\$175,000.00	\$175,000.00
00503.10.E	Drums Disposal	64	EACH	\$95.00	\$6,080.00	\$750.00	\$48,000.00	\$48.00	\$2,844.00	\$421.00	\$26,944.00	\$140.00	\$8,960.00	\$307.81	\$19,700.00
00504	Exc. & Disp. of non-haz soil	1	LS	\$20,300.00	\$20,300.00	\$16,000.00	\$16,000.00	\$14,051.00	\$14,051.00	\$19,224.00	\$19,224.00	\$23,842.00	\$23,842.00	\$45,100.00	\$45,100.00
00505.1	Top Soil	1	LS	\$1,240.00	\$1,240.00	\$14,000.00	\$14,000.00	\$4,163.00	\$4,163.00	\$11,000.00	\$11,000.00	\$8,100.00	\$8,100.00	\$4,000.00	\$4,000.00
00505.2	Seeding	475	SY	\$1.40	\$665.00	\$9.00	\$4,275.00	\$1.00	\$475.00	\$5.28	\$2,498.50	\$1.00	\$475.00	\$4.21	\$2,000.00
00505.3	Backfill	150	CY	\$18.80	\$2,820.00	\$20.00	\$3,000.00	\$17.00	\$2,550.00	\$13.25	\$1,987.50	\$30.00	\$4,500.00	\$20.00	\$3,000.00
01392	Health and Safety	20	DAY	\$1,100.00	\$22,000.00	\$750.00	\$15,000.00	\$371.00	\$7,420.00	\$200.00	\$4,000.00	\$1,352.00	\$27,040.00	\$1,380.00	\$27,600.00
01640	Tank Removal & Disposal	1	LS	\$1,995.00	\$1,995.00	\$5,000.00	\$5,000.00	\$3,586.00	\$3,586.00	\$4,500.00	\$4,500.00	\$3,480.00	\$3,480.00	\$2,500.00	\$2,500.00
02005.1	Septic Tank / Dry Well Closure	1	LS	\$2,100.00	\$2,100.00	\$5,000.00	\$5,000.00	\$1,655.00	\$1,655.00	\$31,880.00	\$31,880.00	\$3,200.00	\$3,200.00	\$1,500.00	\$1,500.00
02005.3.C	Concrete Fill	25	CY	\$62.00	\$1,550.00	\$40.00	\$1,000.00	\$66.00	\$1,650.00	\$115.00	\$2,875.00	\$75.00	\$1,875.00	\$1,200.00	\$30,000.00
	Calculated Total				\$240,166.00		\$248,475.00		\$274,169.00		\$326,108.60		\$370,236.00		\$397,900.00
	Bid Total						\$248,475.00		\$274,169.00		\$326,108.60		\$370,236.00		\$397,900.00
	Pollution Liability Insurance				\$6,000.00		\$55,000.00		\$16,000.00		\$8,805.00		\$4,427.00		\$10,000.00

APPENDIX B

FINAL CHANGE ORDER

Korkay, Inc. Site

Change Order No. 1 (Final)
Contract Number: 1
NYSDEC Site Number: 5-18-014
State Contract Number: D003633

Change Order Amount: **\$23,411.83**

Date of Issue: **January 12, 1998**

Contractor: Allstate Power-Vac, Inc.
2515 Brunswick Avenue
Linden, New Jersey 07036

Change Order Items: This Final Change Order comprises fourteen (14) items as discussed below.

I. CHANGE ORDER ITEMS

A. ADDITIONAL ASBESTOS REMOVAL WORK

DESCRIPTION OF CHANGE:

This change is for the cost associated with the additional asbestos work performed by the CONTRACTOR which was not included in the original Asbestos Inspection Report included in the contract documents.

DRAWING REFERENCE: Not Applicable

SPECIFICATION REFERENCE: Section 00503.7 - Specific Demolition Requirements

CONTRACTOR PAY ITEM NO.: Payment Item 00503

REASON FOR CHANGE:

This change order is necessary for the removal of eight sections of asbestos flue pipe and asbestos found in the boiler during building demolition but were not identified in the asbestos survey that was included in the Contract Documents.

COST:

Subcontractor Labor	\$556.50
Subcontractor Materials	\$60.00
Subcontractor Disposal Costs	<u>\$200.00</u>
Subtotal	\$816.50
Subcontractor Fee (10%)	<u>\$81.65</u>
Subtotal	\$898.15

Contractor Fee (5%)	<u>\$44.91</u>
Total	\$943.06
Total INCREASE in Contract Price (See Appendix A)	\$943.06

B. PUMPING AND DISPOSAL OF TANK CONTENTS

DESCRIPTION OF CHANGE:

This change is for the cost associated with pumping out and disposing of the contents of three above ground and three underground storage tanks (USTs).

DRAWING REFERENCE: Not Applicable

SPECIFICATION REFERENCE: Section 00503.8 and Addendum No. 1

CONTRACT PAY ITEM NO.: Payment Item 01640

REASON FOR CHANGE:

This change order is necessary because based on 1995 sampling results, it was assumed that all of the tanks were empty. However, the tanks contained liquid waste when they were opened. The additional cost is for the use of a subcontractor to pump out the tank contents, clean out the interior of the tank and dispose of the liquid waste.

COST:

Subcontractor Labor	\$1,472.00
Subcontractor Materials & Equipment	\$2,784.08
Subcontractor Disposal	\$4,275.00
Subcontractor Transportation Costs	\$425.00
Subcontractor Sampling Costs	<u>\$200.00</u>
Subtotal	\$9,156.08
Subcontractor Fee (10%)	<u>\$915.61</u>
Subtotal	\$10,071.69
Contractor Fee (5%)	<u>\$503.85</u>
Subcontractor Subtotal	\$10,575.54
Contractor Materials & Equipment	\$257.00
Materials & Equipment Fee (10%)	<u>\$25.70</u>
Contractor Subtotal	\$282.70
Total (Subcontractor costs + Contractor Costs)	\$10,858.24

Total INCREASE in Contract Price **\$10,858.24**
(See Appendix B)

C. REMOVAL AND DISPOSAL OF AN ADDITIONAL UST

DESCRIPTION OF CHANGE:

This change is for the cost associated with removing and disposing an additional underground storage tank discovered during construction.

DRAWING REFERENCE: Not Applicable

SPECIFICATION REFERENCE: Addendum No. 1

CONTRACT PAY ITEM NO.: Payment Item 01640

REASON FOR CHANGE:

This change order is necessary for the removal of an additional UST not originally anticipated. When the specifications were written, it was thought that only two USTs were buried on site. During construction, the CONTRACTOR found another tank which needed to be removed as well. Therefore, the CONTRACTOR incurred additional costs.

COST:

The cost for cleaning and sampling of the additional UST is paid for under change order items "B" and "F" respectively. The cost for removal and disposal was done on a time a materials basis. A breakdown of these costs is as follows:

Contractor Labor	\$253.04
Labor Fee (15%)	\$37.96
Contractor Equipment	\$382.90
Equipment Fee (10%)	<u>\$38.29</u>
Total	\$712.19

Total INCREASE in Contract Price **\$712.19**
(See Appendix C)

D. REMOVAL AND DISPOSAL OF LAB PACK CHEMICALS

DESCRIPTION OF CHANGE:

Various hazardous chemicals that were in small containers were lab packed and sent off for disposal.

DRAWING REFERENCE: Not Applicable
SPECIFICATION REFERENCE: Section 0503.8 - Above Grade Demolition
CONTRACT PAY ITEM NO.: Not Applicable

REASON FOR CHANGE:

This change order is necessary for the removal of various process chemicals that were found in the building. These chemicals were not identified in the contract documents. Therefore, the CONTRACTOR solicited three quotes from different disposal facilities to remove and dispose of the lab packed material. The lab packs were disposed of by using the lowest quote.

COST:

Subcontractor One Labor	\$231.29
Subcontractor One Fee (10%)	<u>\$23.13</u>
Subtotal	\$254.42
Contractor Fee (5%)	<u>\$12.72</u>
Subcontractor One Subtotal	\$267.14
Subcontractor Two Labor	\$2,677.50
Subcontractor Two Fee (10%)	<u>\$267.75</u>
Subtotal	\$2,945.25
Contractor Fee (5%)	<u>\$147.26</u>
Subcontractor Two Subtotal	\$3,092.51
Subcontractor Three Labor	\$420.00
Subcontractor Three Materials & Equipment	\$49.00
Subcontractor Three Mobilization Fee	\$300.00
Subcontractor Three Disposal	\$815.00
Taxes	<u>\$65.20</u>
Subtotal	\$1,649.20
Subcontractor Three Fee (10%)	<u>\$164.92</u>
Subtotal	\$1,814.12
Contractor Fee (5%)	<u>\$90.71</u>
Subcontractor Three Subtotal	\$1,904.83
Total (Sub 1, Sub 2, & Sub 3 Costs)	\$5,264.48
Total INCREASE in Contract Price (See Appendix E)	\$5,264.48

E. REMOVAL OF DRUMS CONTAINING HAZARDOUS WASTE

DESCRIPTION OF CHANGE:

Various hazardous drums were sent off for disposal.

DRAWING REFERENCE: Not Applicable

SPECIFICATION REFERENCE: Section 00503.10 and Addendum No. 1

CONTRACT PAY ITEM NO.: Not Applicable

REASON FOR CHANGE:

This change order is necessary for the removal of various drums containing hazardous waste. These were originally identified as non-hazardous in section 00503.10 of the contract documents but were subsequently determined to contain hazardous waste. The CONTRACTOR solicited three quotes from different disposal facilities to remove and dispose of the drums. The drums were disposed of by using the lowest quote.

COST:

Contractor Labor	\$939.38
Labor Fees (15%)	\$140.91
Contractor Equipment	\$534.50
Equipment Fees (10%)	<u>\$53.45</u>
Contractor Subtotal	\$1,668.24
Subcontractor One Labor	\$4,207.50
Subcontractor One Materials	<u>\$267.50</u>
Subtotal	\$4,475.00
Subcontractor One Fee (10%)	<u>\$447.50</u>
Subtotal	\$4,922.50
Contractor Fee (5%)	<u>\$246.13</u>
Subcontractor One Subtotal	\$5,168.63
Subcontractor Two Labor	\$1,360.50
Subcontractor Two Fee (10%)	<u>\$136.05</u>
Subtotal	\$1,496.55
Contractor Fee (5%)	<u>\$74.83</u>
Subcontractor Two Subtotal	\$1,571.38
Disposal Costs	\$7,945.00
Total (Contractor, Sub 1, Sub 2 & Disposal Costs)	\$17,369.37

Total INCREASE in Contract Price
(See Appendix F)

\$17,369.37

F. ADDITIONAL SAMPLING

DESCRIPTION OF CHANGE:

This change is for additional sampling required during tank disposal and drum removal.

DRAWING REFERENCE: Not Applicable

SPECIFICATION REFERENCE: Section 00503.10 and Addendum No. 1

CONTRACT PAY ITEM NO.: Not Applicable

REASON FOR CHANGE:

Addendum No. 1 stated that the DEPARTMENT would provide analytical results for all drums requiring disposal. However, we were unable to take the samples so the CONTRACTOR had to do the analytical work. Three additional samples were taken. One (KK-006) was a composite sample on all of the drums that contained non-hazardous drill cuttings. Similarly, another composite sample (KK-008) was take for a number of drums that contained wash and purge water. The cost for disposing of the drums containing both drill cuttings and non-hazardous water were paid under bid item 00503.10.E - "Drum Disposal (non-hazardous materials)".

The CONTRACTOR also took a composite sample (KK-007) of the above ground and UST contents. These results were used to characterize the liquid for disposal as described in item "B" above.

COST:

Subcontractor Labor	\$360.00
Sample KK-006	\$837.00
Sample KK-008	<u>\$778.00</u>
Subtotal	\$1,975.00
Subcontractor One Fee (10%)	<u>\$197.50</u>
Subtotal	\$2,172.50
Contractor Fee (5%)	<u>\$108.63</u>
Subcontractor One Subtotal	\$2,281.13
Total INCREASE in Contract Price (See Appendix G)	\$2,281.13

G. DELETION OF GRAB SAMPLES

DESCRIPTION OF CHANGE:

This change is for the deletion of the three grab samples required by part 00503.8.I of the specifications.

DRAWING REFERENCE: Not Applicable

SPECIFICATION REFERENCE: Section 00503.8.I - Above Grade Demolition

CONTRACT PAY ITEM NO.: Payment Item 00503

REASON FOR CHANGE:

Section 00503.8.I of the specifications required one grab sample to be taken for every 1000 cubic yards of demolition debris created. Since the building was determined to be non-contaminated during the RI/FS this requirement was deemed unnecessary. Approximately 3000 cubic yards of demolition debris was taken off-site for disposal. Therefore, three grab samples were deleted and the CONTRACTOR gave the DEPARTMENT a credit for this work.

COST:

The CONTRACTOR submitted a schedule of values before the award of the contract which listed the cost for sampling under bid item 00503 as \$500.00.

Total DECREASE in Contract Price **(\$500.00)**

H. DELETION OF SOIL SAMPLES

DESCRIPTION OF CHANGE:

This change is for the deletion of five of the six soil samples required by part 00501.5.A of the specifications.

DRAWING REFERENCE: Not Applicable

SPECIFICATION REFERENCE: Section 00501.5 - Decontamination Pad

CONTRACT PAY ITEM NO.: Payment Item 00501

REASON FOR CHANGE:

Section 00501.5.A of the specifications required three soil samples to be taken before the decontamination pad was built and after the decontamination pad was removed. This requirement was reduced to only one sample before and after. As a result, the CONTRACTOR took soil a sample KK-005 before the decon pad was constructed. Since the decontamination pad was never used because the CONTRACTOR decided to keep the trucks and backhoe out of the contaminated area (trucks were draped with polyethylene sheets & the bucket decontaminated separately), the need for future sampling was eliminated. Therefore, five of the six soil samples were deleted and the CONTRACTOR gave the DEPARTMENT a credit for this work.

COST:

The CONTRACTOR submitted a schedule of values before the award of the contract which listed the cost for sampling of the decontamination pad under bid item 00501 as \$1,100.00. Five-sixths of this number is \$925.00.

Total **DECREASE** in Contract Price **(\$925.00)**

I. PAYMENT ITEM 00502 - SITE FACILITIES AND SERVICES

DESCRIPTION OF CHANGE:

Increase in the contract amount of item number 00502.

DRAWING REFERENCE: Not Applicable

SPECIFICATION REFERENCE: Section 00502

CONTRACTOR PAY ITEM NO.: Payment Item 00502

REASON FOR CHANGE:

This change order is necessary for the increase in the number of additional days site services were provided, based on the actual days as defined under Measurement and Payment. The actual date site services started was on May 14, 1997 when Niagra Mohawk hooked power up to the on-site trailer. The date site services ended was on August 1, 1997 when power and telephone payment responsibility was transferred to the DEPARTMENT. This is a 78 calendar day time period. An additional 33 days were needed for the CONTRACTOR to perform the hazardous drum removal work described in section "E" of this change order.

COST:

Increase in Payment item 00502 from 45 to 78 calendar days (33 day increase).

33 days @ \$70.00/day = \$2310.00

Total **INCREASE** in Contract Price **\$2,310.00**

J. PAYMENT ITEM 00503.10.E - DRUM DISPOSAL (NON-HAZARDOUS)

DESCRIPTION OF CHANGE:

Decrease in the contract amount of item number 00503.10.E.

DRAWING REFERENCE: Not Applicable

SPECIFICATION REFERENCE: Section 00503.10.E

CONTRACTOR PAY ITEM NO.: Payment Item 00503.10.E

REASON FOR CHANGE:

This change order is necessary for the decrease in the number of drums actually removed by the CONTRACTOR from the site, based on the number of drums as defined under Measurement and Payment. The breakdown of non-hazardous drums is as follows:

Drums disposed containing purge water	18 drums
Drums disposed containing drill cuttings	<u>18 drums</u>
Total drums removed	36 drums

COST:

Decrease in Payment item 00503.10.E from 64 to 36 drums (28 drum decrease).

28 drums @ \$105.00/drum = \$2,940.00

Total **DECREASE** in Contract Price **(\$2,940.00)**
(See Appendix H)

K. PAYMENT ITEM 00505.1 - TOPSOIL

DESCRIPTION OF CHANGE:

Increase in the contract amount of item number 00505.1.

DRAWING REFERENCE: Not Applicable

SPECIFICATION REFERENCE: Section 00505.1

CONTRACTOR PAY ITEM NO.: Payment Item 00505.1

REASON FOR CHANGE:

Additional topsoil was brought on site after demolition and soil removal work to achieve final site contours and maintain positive drainage.

COST:

Originally, 193 cubic yards of topsoil was required. The CONTRACTOR bid \$4,100.00 to perform this work. This works out to \$21.24 per cubic yard. The CONTRACTOR actually brought on 245 cubic yards of topsoil.

Increase in Payment item 00505.1 from 193 to 245 cubic yards (52 cubic yard increase).

52 cy @ \$21.24/cy = \$1,104.48

Total **INCREASE** in Contract Price **\$1,104.48**

L. PAYMENT ITEM 00505.3 - BACKFILL

DESCRIPTION OF CHANGE:

Decrease in the contract amount of item number 00505.3.

DRAWING REFERENCE: Not Applicable

SPECIFICATION REFERENCE: Section 00505.3

CONTRACTOR PAY ITEM NO.: Payment Item 00505.3

REASON FOR CHANGE:

This change order is necessary for the decrease in the actual amount of backfill required on this job. Since there was enough concrete material to fill in the basement under the building, no backfill was brought on-site by the CONTRACTOR.

COST:

Decrease in Payment item 00505.3 from 150 cubic yards to 0 cubic yards (150 cubic yard decrease).

150 cy @ \$17.00/cy = \$2,550.00

Total **DECREASE** in Contract Price **(\$2,550.00)**

M. PAYMENT ITEM 01392 - HEALTH AND SAFETY

DESCRIPTION OF CHANGE:

Decrease in the contract amount of item number 01392.

DRAWING REFERENCE: Not Applicable

SPECIFICATION REFERENCE: Section 01392

CONTRACTOR PAY ITEM NO.: Payment Item 01392

REASON FOR CHANGE:

This change order is necessary for the decrease in the number of days health and safety was provided based on the actual days as defined under Measurement and Payment.

COST:

Decrease in Payment item 01392 from 20 to 11 calendar days (9 day decrease).

9 days @ \$750.00/day = \$6,750.00

Total **DECREASE** in Contract Price **(\$6,750.00)**

N. PAYMENT ITEM 02005.3 - CONCRETE FILL

DESCRIPTION OF CHANGE:

Decrease in the contract amount of item number 02005.3.

DRAWING REFERENCE: Not Applicable

SPECIFICATION REFERENCE: Section 02005.3

CONTRACTOR PAY ITEM NO.: Payment Item 02005.3

REASON FOR CHANGE:

This change order is necessary for:

The decrease in the actual amount of concrete fill required on this job. Since there was enough on-site fill located under the eastern portion of the foundation to fill in the septic tanks and dry wells, no concrete fill was brought on-site by the CONTRACTOR.

COST:

Decrease in Payment item 02005.3 from 25 cubic yards to 0 cubic yards (25 cubic yard decrease).

25 cy @ \$110.00/cy = \$2,750.00

Total DECREASE in Contract Price **(\$2,750.00)**

II. CHANGE ORDER No. 1 SUMMARY

A.	Additional Asbestos Removal Work	\$943.06
B.	Pumping and Disposal of Tank Contents	\$10,858.24
C.	Removal and Disposal of an Additional UST	\$712.19
D.	Removal of Lab Pack Chemicals	\$5,264.48
E.	Removal of Drums Containing Hazardous Waste	\$16,353.25
F.	Additional Sampling	\$2,281.13
G.	Deletion of Grab Samples	(\$500.00)
H.	Deletion of Soil Samples	(\$925.00)
I.	Payment Item 00502 - Site Facilities and Services	\$2,310.00
J.	Payment Item 00503.10.E - Drum Disposal (non-hazardous)	(\$2,940.00)
K.	Payment Item 00505.1 - Topsoil	\$1,104.48
L.	Payment Item 00505.3 - Backfill	(\$2,550.00)
M.	Payment Item 01392 - Health and Safety	(\$6,750.00)
N.	Payment Item 02005.3 - Concrete Fill	(\$2,750.00)
	TOTAL	\$23,411.83

III. CHANGE IN CONTRACT PRICE

Original Contract Price:	\$166,605.00
Contract Price After Previous Approved Change Orders:	\$166,605.00
Net INCREASE due to this Change Order:	\$23,411.83
New Contract Price including this Change Order:	\$190,016.83

IV. CHANGE IN CONTRACT TIME:

Notice To Proceed: April 29, 1997

	Substantial Completion		Final Completion	
	Days	Date	Days	Date
Original Contract Time	60 days	June 27, 1997	90 days	July 27, 1997
Net Increase Due to this Change Order	63 days	August 29, 1997	59 days	September, 24 1997
New Contract Time Including this Change Order	123 days	August 29, 1997	149 days	September, 24 1997

NOTE: The additional days for substantial completion were needed for the CONTRACTOR to perform the hazardous drum removal work described in section "E" of this change order. The additional days between substantial completion and final completion were needed for the CONTRACTOR to complete the "punch list" generated at substantial completion.

It is understood and agreed that, unless expressly so stated above, the work herein authorized will not extend the time for the completion of the contract.

It is understood and agreed that this change order represents full and complete compensation for all work described herein.

This work is to be performed in accordance with the terms of the contract and original plans and specifications, except as herein modified. It is understood and agreed that this order shall be deemed executory only to the extent of moneys available and no liability shall be incurred by the State beyond the moneys available for the purpose.

CONTRACT NUMBER D003633

IN WITNESS WHEREOF, representatives of the Department and the Contractor have executed this Contract on the day and year written beneath their respective signatures. The signatory for the Department provides the following Agency Certification: "In addition to the acceptance of this contract, I also certify that original copies of this signature page will be attached to all other exact copies of this contract."

Recommended:

FOR DEPARTMENT

By: _____

By: _____

Title: _____

Title: _____

Date: _____

Date: _____

FOR NYSDEC ENGINEER

FOR CONTRACTOR

By: _____

By: _____

Title: _____

Title: _____

Date: _____

Date: _____

Approved as to Form:

Approved:

By: _____
Attorney General

By: _____
State Comptroller

Date: _____

Date: _____

STATE OF)
) SS:
COUNTY OF)

On the _____ day of _____, 19____, before me personally came _____, to me known, who being duly sworn, did depose and say that (s)he resides in _____, New York; that (s)he is _____ of _____, the corporation described in and which executed the above instrument; that (s)he knows the seal of said corporation; that the seal affixed to said instrument is such corporate seal; that it was so affixed by authority of the Board of Directors of said corporation and that (s)he signed his/her name thereto by the same authority.

Notary Public

STATE OF)
) S:
COUNTY OF)

On the ____ day of _____, 19____, before me personally came _____, to me known, who being duly sworn, did depose and say that (s)he resides in _____, New York; that (s)he is _____ of _____, the corporation described in and which executed the above instrument; that (s)he knows the seal of said corporation; that the seal affixed to said instrument is such corporate seal; that it was so affixed by authority of the Board of Directors of said corporation and that (s)he signed his/her name thereto by the same authority.

Notary Public

STATE OF)
) S:
COUNTY OF)
STATE OF)
) S:
COUNTY OF)

On the ____ day of _____, 19____, before me personally came _____, to me known and, being duly sworn, stated that (s)he is a member of employee of _____, the firm described in and which executed the foregoing instrument, and (s)he acknowledged to me that (s)he subscribed his/her name thereto on behalf of said firm.

Notary Public

STATE OF)
) S:
COUNTY OF)

On the ____ day of _____, 19____, before me personally came _____, to me known and, being duly sworn, stated that (s)he is a member of employee of _____, the firm described in and which executed the foregoing instrument, and (s)he acknowledged to me that (s)he subscribed his/her name thereto on behalf of said firm.

Notary Public

APPENDIX C

ANALYTICAL DATA

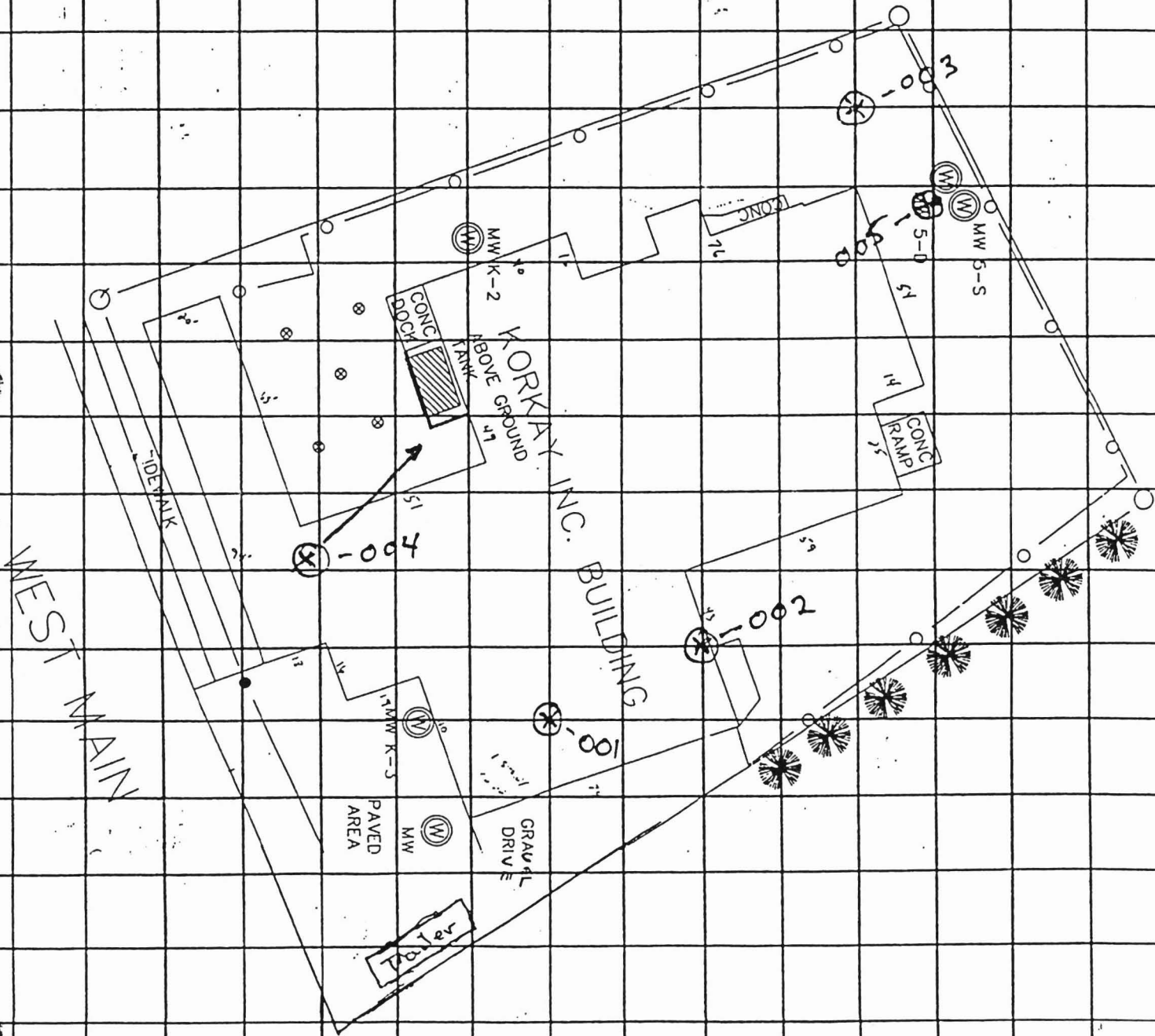
ENVIRONMENTAL SOLUTIONS, INC.

Project - KorKay Inc. Location - Broadalbin, NY

*

Sample #	Sample Description	Analysis	Map Location
KK-001	Paint & Cinder Block	T.C.L.P. Lead	N-11
KK-002	Sand	T.C.L.P. - Total	O-9
KK-003	Soil from Excavation Area	T.C.L.P. - Total (No Pest. or Herb.)	G-13
KK-004	" " " "	T.C.L.P. - Total (No Pest. or Herb.)	M-6
KK-005	Soil from Decan Pad Area (Entry Sample)	T.C.L.P. - Total	H-14
KK-006	Drill Cutting Soil	Total T.C.L.P. + R.C.R.A.	
KK-007	Bulk Waste from Trucks	Total P.C.B Halogens	
KK-008	Decan/water/Purge Water	B.O.D., C.O.D., T.S.S., Ph, Metals (13) Volatiles, Semi-Volatiles	

Sample Locations



Korkay Inc.

Date - N/A

Contractor - DAW

CTM Analytical Laboratories, Ltd.

15 Century Hill Drive
P.O. Box 727
Orangetown, NY 12110
J-786-7100
FAX 518-786-7139

Rec'd
6/3/97
[Signature]



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Sampling Services

ENVIRONMENTAL SOLUTIONS, INC.
21 E. HIGH STREET
BALLSTON SPA NY 12020

CTM PROJECT #: 9917940

CTM Task #: 970522A

Attention: MARIE SCHIAVO

Purchase Order Numbers
Date Sampled: 05/21/97 Time: 08:15
Sampled By: WELSCH

CTM Sample No: 970522A 01
Date Received: 05/22/97
Collection Method: COMPOSITE
Matrix: SOIL

Sample Id: KK-001/PAIN&BLOCK
Location: KORKAY INC, BROADALBIN, NY

Parameters and Standard Methodology Used

TCLP EXTRACTION SW-846 METHOD 1311
LEAD, BY TCLP SW-846 METHOD 6010

<u>Results</u>	<u>PQL</u>	<u>Unit</u>	<u>Analyst Reference</u>
COMPLETED			D-23:10 5/22/97
ND	0.26	MG/L	F-6:132 5/23/97

REMARKS:

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 3-786-7100
 FAX 518-786-7139

Rec'd
 6/3/97
 JTW



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 Sampling Services

ENVIRONMENTAL SOLUTIONS, INC.
 21 E. HIGH STREET
 BALLSTON SPA NY 12020

CTM PROJECT #: 9917940

CTM Task #: 970522A

Attention: MARIE SCHIAVO

Purchase Order Number:
 Date Sampled: 05/21/97 Time: 11:10

CTM Sample No: 970522A 02
 Date Received: 05/22/97
 Collection Method: COMPOSITE
 Matrix: SOIL

Sampled By: WELSCH
 Sample Id: KK-002/SAND
 Location: KORKAY INC, BROADALBIN, NY

Parameters and Standard Methodology Used

Results PQL Unit Analyst Reference

% SOLIDS	CLP SOW 4/89	99.0			
TCLP-ZERO HEADSPACE EXTRACTIONS	SW-846 METHOD 1311	COMPLETED			ACM 5/27/97 MPC 5/22/97
TCLP VOLATILES	SW-846 METHOD 8240	COMPLETED			
PURGE & TRAP EXTRACTION	SW-846 METHOD 5030	COMPLETED			
BENZENE (TCLP)	SW-846 METHOD 8240	ND	5	MCG/L	GCMSCE:75 5/23/97
CARBON TETRACHLORIDE (TCLP)	SW-846 METHOD 8240	ND	5	MCG/L	GCMSCE:75 5/23/97
CHLOROBENZENE (TCLP)	SW-846 METHOD 8240	ND	5	MCG/L	GCMSCE:75 5/23/97
CHLOROFORM (TCLP)	SW-846 METHOD 8240	ND	5	MCG/L	GCMSCE:75 5/23/97
1,4-DICHLOROBENZENE (TCLP)	SW-846 METHOD 8240	ND	5	MCG/L	GCMSCE:75 5/23/97
1,2-DICHLOROETHANE (TCLP)	SW-846 METHOD 8240	ND	5	MCG/L	GCMSCE:75 5/23/97
1,1-DICHLOROETHYLENE (TCLP)	SW-846 METHOD 8240	ND	5	MCG/L	GCMSCE:75 5/23/97
METHYL ETHYL KETONE (TCLP)	SW-846 METHOD 8240	ND	10	MCG/L	GCMSCE:75 5/23/97
TETRACHLOROETHYLENE (TCLP)	SW-846 METHOD 8240	ND	5	MCG/L	GCMSCE:75 5/23/97
TRICHLOROETHENE (TCLP)	SW-846 METHOD 8240	ND	5	MCG/L	GCMSCE:75 5/23/97
VINYL CHLORIDE (TCLP)	SW-846 METHOD 8240	ND	10	MCG/L	GCMSCE:75 5/23/97
TCLP BASE/NEUTRALS	SW-846 METHOD 8270 BASE/NEUTRALS	COMPLETED			GCMSD:89 5/29/97
EXTRACTION FOR TCLP B/N	SW-846 METHOD 8270	COMPLETED			MPC 5/23/97
HEXACHLOROBENZENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	20	MCG/L	GCMSD:89 5/29/97
HEXACHLOROBUTADIENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	20	MCG/L	GCMSD:89 5/29/97
PYRIDINE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	20	MCG/L	GCMSD:89 5/29/97
2,4-DINITROTOLUENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	20	MCG/L	GCMSD:89 5/29/97
HEXACHLOROETHANE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	20	MCG/L	GCMSD:89 5/29/97
NITROBENZENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	20	MCG/L	GCMSD:89 5/29/97
1,4-DICHLOROBENZENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	20	MCG/L	GCMSD:89 5/29/97
TCLP EXTRACTION	SW-846 METHOD 1311	COMPLETED			D-23:10 5/22/97
TCLP ACID EXTRACTABLES	SW-846 METHOD 8270	COMPLETED			GCMSD:89 5/29/97
EXTRACTION FOR TCLP ACID/EXT.	SW-846 METHOD 8270	COMPLETED			MPC 5/23/97
O-CRESOL (TCLP)	SW-846 METHOD 8270 ACID FRACTION	ND	20	MCG/L	GCMSD:89 5/29/97
PENTACHLOROPHENOL (TCLP)	SW-846 METHOD 8270 ACID FRACTION	ND	100	MCG/L	GCMSD:89 5/29/97
2,4,5-TRICHLOROPHENOL (TCLP)	SW-846 METHOD 8270 ACID FRACTION	ND	100	MCG/L	GCMSD:89 5/29/97
2,4,6-TRICHLOROPHENOL (TCLP)	SW-846 METHOD 8270 ACID FRACTION	ND	20	MCG/L	GCMSD:89 5/29/97
M & P CRESOL (TCLP)	SW-846 METHOD 8270 ACID FRACTION	ND	40	MCG/L	GCMSD:89 5/29/97

(CONTINUES ON NEXT PAGE)

REMARKS:

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 6/3/97
 DTA*



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 Sampling Services

ENVIRONMENTAL SOLUTIONS, INC.
 21 E. HIGH STREET
 BALLSTON SPA NY 12020

CTM PROJECT #: 9917940

CTM Task #: 970522A

Attention: MARIE SCHIAVO

Purchase Order Number:
 Date Sampled: 05/21/97 Time: 11:10
 Sampled By : WELSCH
 Sample Id: KK-002/SAND
 Location : KORKAY INC, BROADALBIN, NY

CTM Sample No: 970522A 02
 Date Received: 05/22/97
 Collection Method: COMPOSITE
 Matrix: SOIL

Parameters and Standard Methodology Used

Results PQL Unit Analyst Reference

(CONTINUED FROM PREVIOUS PAGE)

ACID DIGESTION ON TCLP EXTRACTS	SW-846 METHOD 3010	COMPLETED			D-23:10 5/23/97
MERCURY PREPARATION - TCLP	SW-846 METHOD 7471	COMPLETED			D-23:12 5/28/97
ARSENIC, BY TCLP	SW-846 METHOD 6010	ND	0.050	MG/L	F-6:132 5/23/97
BARIUM, BY TCLP	SW-846 METHOD 6010	ND	0.60	MG/L	F-6:132 5/23/97
CADMIUM, BY TCLP	SW-846 METHOD 6010	ND	0.005	MG/L	F-6:132 5/23/97
CHROMIUM, BY TCLP	SW-846 METHOD 6010	ND	0.010	MG/L	F-6:132 5/23/97
LEAD, BY TCLP	SW-846 METHOD 6010	ND	0.020	MG/L	F-6:132 5/23/97
MERCURY, BY TCLP	SW-846 METHOD 7471	ND	0.0002	MG/L	E-5:39 5/28/97
SELENIUM, BY TCLP	SW-846 METHOD 6010	ND	0.050	MG/L	F-6:132 5/23/97
SILVER, BY TCLP	SW-846 METHOD 6010	ND	0.010	MG/L	F-6:132 5/23/97
TCLP PESTICIDES/HERBICIDES	SW-846 METHODS 8080/8150	COMPLETED			GC8E:74 5/28/97
EXTRACTION FOR TCLP PESTICIDE	SW-846 METHOD 8080	COMPLETED			MPC 5/27/97
CHLORDANE (TCLP)	SW-846 METHOD 8080	ND	2.0	MCG/L	GC8E:76 5/30/97
ENDRIN (TCLP)	SW-846 METHOD 8080	ND	0.2	MCG/L	GC8E:76 5/30/97
HEPTACHLOR (TCLP)	SW-846 METHOD 8080	ND	0.2	MCG/L	GC8E:76 5/30/97
HEPTACHLOR EPOXIDE (TCLP)	SW-846 METHOD 8080	ND	0.2	MCG/L	GC8E:76 5/30/97
LINDANE (TCLP)	SW-846 METHOD 8080	ND	0.2	MCG/L	GC8E:76 5/30/97
METHOXYCHLOR (TCLP)	SW-846 METHOD 8080	ND	0.2	MCG/L	GC8E:76 5/30/97
TOXAPHENE (TCLP)	SW-846 METHOD 8080	ND	4.0	MCG/L	GC8E:76 5/30/97
EXTRACTION FOR TCLP HERBICIDE	SW-846 METHOD 8150	COMPLETED			BRM 5/27/97
2,4-D (TCLP)	SW-846 METHOD 8150	ND	0.2	MCG/L	GC8E:74 5/28/97
2,4,5-TP (SILVEX) (TCLP)	SW-846 METHOD 8150	ND	0.2	MCG/L	GC8E:74 5/28/97
IGNITABILITY	SW-846 METHOD 1010	>200	70	oF	ACM 5/28/97
CORROSIVITY	EPA, EVAL. SOLID WASTE, 1980.40 CFR 261.22	NON-CORR.			ACM 5/29/97
REACTIVE CYANIDE DISTILLATION	SW-846 METHOD 7.3.3.2	COMPLETED			PL 5/28/97
CYANIDE, REACTIVE	SW-846 METHOD 7.3.3.2	(2) ND	1	MG/KG	PL 5/28/97
SULFIDE, REACTIVE	SW-846 METHOD 7.3.4.2	ND	3	MG/KG	PL 5/29/97

REMARKS: (2) The concentration of total cyanide for this sample is less than 100 mg/kg. This is well below the reactive cyanide regulatory level of 250 mg/kg. A reactive cyanide analysis is not necessary.

END OF REPORT

LEGEND: MG/KG=PPM, MCG/KG=PPB, MG/L=PPM, MCG/L=PPB, MCG/G=PPM

CTM Analytical Laboratories, Ltd.

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ENVIRONMENTAL SOLUTIONS, INC.
 21 E. HIGH STREET
 BALLSTON SPA NY 12020

CTM PROJECT #: 9917960

CTM Task #: 9705288

Attention: MARIE SCHIAVO

Purchase Order Number:
 Date Sampled: 05/27/97 Time: 13:55
 Sampled By : WELSCH
 Sample Id: KK-003
 Location : KORKAY INC., BROADALBIN, NY

CTM Sample No: 9705288 01
 Date Received: 05/27/97
 Collection Method: GRAB
 Matrix: SOIL

Parameters and Standard Methodology Used

Results PQL Unit Analyst Reference

% SOLIDS	CLP SOW 4/89	94.6		%	ACM 5/28/97
TCLP-ZERO HEADSPACE EXTRACTIONS	SW-846 METHOD 1311	COMPLETED			MPC 5/28/97
TCLP VOLATILES	SW-846 METHOD 8240	COMPLETED			
PURGE & TRAP EXTRACTION	SW-846 METHOD 5030	COMPLETED			
BENZENE (TCLP)	SW-846 METHOD 8240	ND	5	MCG/L	GCMSCE:76 5/29/97
CARBON TETRACHLORIDE (TCLP)	SW-846 METHOD 8240	ND	5	MCG/L	GCMSCE:76 5/29/97
CHLORO BENZENE (TCLP)	SW-846 METHOD 8240	ND	5	MCG/L	GCMSCE:76 5/29/97
CHLOROFORM (TCLP)	SW-846 METHOD 8240	ND	5	MCG/L	GCMSCE:76 5/29/97
1,4-DICHLORO BENZENE (TCLP)	SW-846 METHOD 8240	ND	5	MCG/L	GCMSCE:76 5/29/97
1,2-DICHLOROETHANE (TCLP)	SW-846 METHOD 8240	ND	5	MCG/L	GCMSCE:76 5/29/97
1,1-DICHLOROETHYLENE (TCLP)	SW-846 METHOD 8240	ND	5	MCG/L	GCMSCE:76 5/29/97
METHYL ETHYL KETONE (TCLP)	SW-846 METHOD 8240	ND	10	MCG/L	GCMSCE:76 5/29/97
TETRACHLOROETHYLENE (TCLP)	SW-846 METHOD 8240	ND	5	MCG/L	GCMSCE:76 5/29/97
TRICHLOROETHENE (TCLP)	SW-846 METHOD 8240	ND	5	MCG/L	GCMSCE:76 5/29/97
VINYL CHLORIDE (TCLP)	SW-846 METHOD 8240	ND	10	MCG/L	GCMSCE:76 5/29/97
TCLP EXTRACTION	SW-846 METHOD 1311	COMPLETED			D-23:13 5/28/97
ACID DIGESTION ON TCLP EXTRACT	SW-846 METHOD 3010	COMPLETED			D-23:15 5/30/97
MERCURY PREPARATION - TCLP	SW-846 METHOD 7471	COMPLETED			D-23:15 5/30/97
ARSENIC, BY TCLP	SW-846 METHOD 6010	ND	0.11	MG/L	F-6:139 6/2/97
BARIUM, BY TCLP	SW-846 METHOD 6010	0.61	0.10	MG/L	F-6:139 6/2/97
CADMIUM, BY TCLP	SW-846 METHOD 6010	ND	0.005	MG/L	F-6:139 6/2/97
CHROMIUM, BY TCLP	SW-846 METHOD 6010	ND	0.010	MG/L	F-6:139 6/2/97
LEAD, BY TCLP	SW-846 METHOD 6010	ND	0.020	MG/L	F-6:139 6/2/97
MERCURY, BY TCLP	SW-846 METHOD 7471	ND	0.0002	MG/L	E-5:40 6/2/97
SELENIUM, BY TCLP	SW-846 METHOD 6010	ND	0.075	MG/L	F-6:140 6/12/97
SILVER, BY TCLP	SW-846 METHOD 6010	ND	0.010	MG/L	F-6:139 6/2/97
TCLP BASE/NEUTRALS	SW-846 METHOD 8270 BASE/NEUTRALS	COMPLETED			
EXTRACTION FOR TCLP B/W	SW-846 METHOD 8270	COMPLETED			BRM 5/29/97
HEXACHLORO BENZENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	20	MCG/L	GCMSD:89 5/30/97
HEXACHLORO BUTADIENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	20	MCG/L	GCMSD:89 5/30/97
PYRIDINE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	20	MCG/L	GCMSD:89 5/30/97
2,4-DINITROTOLUENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	20	MCG/L	GCMSD:89 5/30/97

(CONTINUES ON NEXT PAGE)

REMARKS:

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ENVIRONMENTAL SOLUTIONS, INC.
 21 E. HIGH STREET
 BALLSTON SPA NY 12020

CTM PROJECT #: 9917940

CTM Task #: 9705288

Attention: MARIE SCHIAVO

Purchase Order Number:
 Date Sampled: 05/27/97 Time: 13:55
 Sampled By: WELSCH
 Sample Id: KK-003
 Location: KORKAY INC., BROADALBIN, NY

CTM Sample No: 9705288 01
 Date Received: 05/27/97
 Collection Method: GRAB
 Matrix: SOIL

Parameters and Standard Methodology Used

Results PQL Unit Analyst Reference

(CONTINUED FROM PREVIOUS PAGE)

HEXACHLOROETHANE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	20	MCG/L	GCMSD:89 5/30/97
NITROBENZENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	20	MCG/L	GCMSD:89 5/30/97
1,4-DICHLOROBENZENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	20	MCG/L	GCMSD:89 5/30/97
TCLP ACID EXTRACTABLES	SW-846 METHOD 8270	COMPLETED			GCMSD:89 5/30/97
EXTRACTION FOR TCLP ACID/EXT.	SW-846 METHOD 8270	COMPLETED			BRM 5/29/97
O-CRESOL (TCLP)	SW-846 METHOD 8270 ACID FRACTION	ND	20	MCG/L	GCMSD:89 5/30/97
PENTACHLOROPHENOL (TCLP)	SW-846 METHOD 8270 ACID FRACTION	ND	100	MCG/L	GCMSD:89 5/30/97
2,4,5-TRICHLOROPHENOL (TCLP)	SW-846 METHOD 8270 ACID FRACTION	ND	100	MCG/L	GCMSD:89 5/30/97
2,4,6-TRICHLOROPHENOL (TCLP)	SW-846 METHOD 8270 ACID FRACTION	ND	20	MCG/L	GCMSD:89 5/30/97
M & P CRESOL (TCLP)	SW-846 METHOD 8270 ACID FRACTION	ND	40	MCG/L	GCMSD:89 5/30/97
IGNITABILITY	SW-846 METHOD 1010	>200	70	oF	ACM 5/28/97
CORROSIVITY	EPA, EVAL. SOLID WASTE, 1980.40 CFR 261.22	NOW-CORR.			ACM 5/28/97
REACTIVE CYANIDE DISTILLATION	SW-846 METHOD 7.3.3.2	COMPLETED			PL 5/28/97
CYANIDE, REACTIVE	SW-846 METHOD 7.3.3.2	(2) ND	1	MG/KG	PL 5/28/97
SULFIDE, REACTIVE	SW-846 METHOD 7.3.4.2	ND	3	MG/KG	PL 5/29/97
TCLP PESTICIDES/HERBICIDES	SW-846 METHODS 8080/8150	COMPLETED			
EXTRACTION FOR TCLP PESTICIDE	SW-846 METHOD 8080	COMPLETED			MPC 6/3/97
CHLORDANE (TCLP)	SW-846 METHOD 8080	ND	2.0	MCG/L	GC8E:076 6/4/97
ENDRIN (TCLP)	SW-846 METHOD 8080	ND	0.2	MCG/L	GC8E:076 6/4/97
HEPTACHLOR (TCLP)	SW-846 METHOD 8080	ND	0.2	MCG/L	GC8E:076 6/4/97
HEPTACHLOR EPOXIDE (TCLP)	SW-846 METHOD 8080	ND	0.2	MCG/L	GC8E:076 6/4/97
LINDANE (TCLP)	SW-846 METHOD 8080	ND	0.2	MCG/L	GC8E:076 6/4/97
METHOXYCHLOR (TCLP)	SW-846 METHOD 8080	ND	0.2	MCG/L	GC8E:076 6/4/97
TOXAPHENE (TCLP)	SW-846 METHOD 8080	ND	4.0	MCG/L	GC8E:076 6/4/97
EXTRACTION FOR TCLP HERBICIDE	SW-846 METHOD 8150	COMPLETED			MPC 6/3/97
2,4-D (TCLP)	SW-846 METHOD 8150	ND	0.2	MCG/L	GC8E:076 6/4/97
2,4,5-TP (SILVEX) (TCLP)	SW-846 METHOD 8150	ND	0.2	MCG/L	GC8E:076 6/4/97

REMARKS: (2) The concentration of total cyanide for this sample is less than 100 mg/kg. This is well below the reactive cyanide regulatory level of 250 mg/kg. A reactive cyanide analysis is not necessary.

LEGEND: MG/KG=PPM, MCG/KG=PPB, MG/L=PPM, MCG/L=PPB, MCG/G=PPM

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ENVIRONMENTAL SOLUTIONS, INC.
 21 E. HIGH STREET
 BALLSTON SPA NY 12020

CTM PROJECT #: 9917940

CTM Task #: 9705288

Attention: MARIE SCHIAVO

CTM Sample No: 9705288 02
 Date Received: 05/27/97
 Collection Method: GRAB
 Matrix: SOIL

Purchase Order Number:
 Date Sampled: 05/27/97 Time: 14:05
 Sampled By : WELSCH
 Sample Id: KK-004
 Location : KORKAY INC., BROADALBIN, NY

Parameters and Standard Methodology Used

	Results	PQL	Unit	Analyst Reference
% SOLIDS	86.6		%	ACH 5/28/97
TCLP-ZERO HEADSPACE EXTRACTIONS	COMPLETED			MPC 5/28/97
TCLP VOLATILES	COMPLETED			
PURGE & TRAP EXTRACTION	COMPLETED			
BENZENE (TCLP)	ND	5	MCG/L	GCMSCE:77 5/29/97
CARBON TETRACHLORIDE (TCLP)	ND	5	MCG/L	GCMSCE:77 5/29/97
CHLORO BENZENE (TCLP)	ND	5	MCG/L	GCMSCE:77 5/29/97
CHLOROFORM (TCLP)	ND	5	MCG/L	GCMSCE:77 5/29/97
1,4-DICHLORO BENZENE (TCLP)	ND	5	MCG/L	GCMSCE:77 5/29/97
1,2-DICHLOROETHANE (TCLP)	ND	5	MCG/L	GCMSCE:77 5/29/97
1,1-DICHLOROETHYLENE (TCLP)	ND	5	MCG/L	GCMSCE:77 5/29/97
METHYL ETHYL KETONE (TCLP)	ND	10	MCG/L	GCMSCE:77 5/29/97
TETRACHLOROETHYLENE (TCLP)	ND	5	MCG/L	GCMSCE:77 5/29/97
TRICHLOROETHENE (TCLP)	ND	5	MCG/L	GCMSCE:77 5/29/97
VINYL CHLORIDE (TCLP)	ND	10	MCG/L	GCMSCE:77 5/29/97
TCLP EXTRACTION	COMPLETED			D-23:13 5/28/97
ACID DIGESTION ON TCLP EXTRACTS	COMPLETED			D-23:15 5/30/97
MERCURY PREPARATION - TCLP	COMPLETED			D-23:15 5/30/97
ARSENIC, BY TCLP	ND	0.050	MG/L	F-6:139 6/2/97
BARIUM, BY TCLP	0.71	0.10	MG/L	F-6:139 6/2/97
CADMIUM, BY TCLP	ND	0.005	MG/L	F-6:139 6/2/97
CHROMIUM, BY TCLP	ND	0.010	MG/L	F-6:139 6/2/97
LEAD, BY TCLP	0.039	0.020	MG/L	F-6:139 6/2/97
MERCURY, BY TCLP	ND	0.0002	MG/L	E-5:40 6/2/97
SELENIUM, BY TCLP	ND	0.075	MG/L	F-6:140 6/2/97
SILVER, BY TCLP	ND	0.010	MG/L	F-6:139 6/2/97
TCLP BASE/NEUTRALS	COMPLETED			
EXTRACTION FOR TCLP B/N	COMPLETED			BRM 5/29/97
HEXACHLOROBENZENE (TCLP)	ND	20	MCG/L	GCMSD:90 5/30/97
HEXACHLOROBUTADIENE (TCLP)	ND	20	MCG/L	GCMSD:90 5/30/97
PYRIDINE (TCLP)	ND	20	MCG/L	GCMSD:90 5/30/97
2,4-DINITROTOLUENE (TCLP)	ND	20	MCG/L	GCMSD:90 5/30/97

(CONTINUES ON NEXT PAGE)

REMARKS:

CTM Analytical Laboratories, Ltd.

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ENVIRONMENTAL SOLUTIONS, INC.
 21 E. HIGH STREET
 BALLSTON SPA NY 12020

CTM PROJECT #: 9917940

Attention: MARIE SCHIAVO

CTM Task #: 9705288

Purchase Order Number:
 Date Sampled: 05/27/97 Time: 14:05
 Sampled By: WELSCH
 Sample Id: KK-004
 Location: KORKAY INC., BROADALBIN, NY

CTM Sample No: 9705288 02
 Date Received: 05/27/97
 Collection Method: GRAB
 Matrix: SOIL

Parameters and Standard Methodology Used

Results PQL Unit Analyst Reference

(CONTINUED FROM PREVIOUS PAGE)

HEXACHLOROETHANE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	20	MCG/L	GCMSD:90 5/30/97
NITROBENZENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	20	MCG/L	GCMSD:90 5/30/97
1,4-DICHLOROBENZENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	20	MCG/L	GCMSD:90 5/30/97
TCLP ACID EXTRACTABLES	SW-846 METHOD 8270	COMPLETED			GCMSD:90 5/30/97
EXTRACTION FOR TCLP ACID/EXT.	SW-846 METHOD 8270	COMPLETED			MPC 5/29/97
O-CRESOL (TCLP)	SW-846 METHOD 8270 ACID FRACTION	ND	20	MCG/L	GCMSD:90 5/30/97
PENTACHLOROPHENOL (TCLP)	SW-846 METHOD 8270 ACID FRACTION	ND	100	MCG/L	GCMSD:90 5/30/97
2,4,5-TRICHLOROPHENOL (TCLP)	SW-846 METHOD 8270 ACID FRACTION	ND	100	MCG/L	GCMSD:90 5/30/97
2,4,6-TRICHLOROPHENOL (TCLP)	SW-846 METHOD 8270 ACID FRACTION	ND	20	MCG/L	GCMSD:90 5/30/97
M & P CRESOL (TCLP)	SW-846 METHOD 8270 ACID FRACTION	ND	40	MCG/L	GCMSD:90 5/30/97
IGNITABILITY	SW-846 METHOD 1010	>200	70	OF	ACM 5/29/97
CORROSIVITY	EPA, EVAL. SOLID WASTE, 1980.40 CFR 261.22	NON-CORR.			ACM 5/28/97
REACTIVE CYANIDE DISTILLATION	SW-846 METHOD 7.3.3.2	COMPLETED			PL 5/28/97
CYANIDE, REACTIVE	SW-846 METHOD 7.3.3.2	(2) ND	1	MG/KG	PL 5/28/97
SULFIDE, REACTIVE	SW-846 METHOD 7.3.4.2	ND	3	MG/KG	PL 5/29/97
TCLP PESTICIDES/HERBICIDES	SW-846 METHODS 8080/8150	COMPLETED			
EXTRACTION FOR TCLP PESTICIDE	SW-846 METHOD 8080	COMPLETED			MPC 6/3/97
CHLORDANE (TCLP)	SW-846 METHOD 8080	ND	2.0	MCG/L	GC8E:076 6/4/97
ENDRIN (TCLP)	SW-846 METHOD 8080	ND	0.2	MCG/L	GC8E:076 6/4/97
HEPTACHLOR (TCLP)	SW-846 METHOD 8080	ND	0.2	MCG/L	GC8E:076 6/4/97
HEPTACHLOR EPOXIDE (TCLP)	SW-846 METHOD 8080	ND	0.2	MCG/L	GC8E:076 6/4/97
LINDANE (TCLP)	SW-846 METHOD 8080	ND	0.2	MCG/L	GC8E:076 6/4/97
METHOXYCHLOR (TCLP)	SW-846 METHOD 8080	ND	0.2	MCG/L	GC8E:076 6/4/97
TOXAPHENE (TCLP)	SW-846 METHOD 8080	ND	4.0	MCG/L	GC8E:076 6/4/97
EXTRACTION FOR TCLP HERBICIDE	SW-846 METHOD 8150	COMPLETED			MPC 6/3/97
2,4-D (TCLP)	SW-846 METHOD 8150	ND	0.2	MCG/L	GC8E:076 6/4/97
2,4,5-TP (SILVEX) (TCLP)	SW-846 METHOD 8150	ND	0.2	MCG/L	GC8E:076 6/4/97

REMARKS: (2) The concentration of total cyanide for this sample is less than 100 mg/kg. This is well below the reactive cyanide regulatory level of 250 mg/kg. A reactive cyanide analysis is not necessary.

LEGEND: MG/KG=PPM, MCG/KG=PPB, MG/L=PPH, MCG/L=PPB, MCG/G=PPM

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ENVIRONMENTAL SOLUTIONS, INC.
 21 E. HIGH STREET
 BALLSTON SPA NY 12020

CTM PROJECT #: 9917940

CTM Task #: 9705288

Attention: MARIE SCHIAVO

Purchase Order Number:
 Date Sampled: 05/27/97 Time: 14:12
 Sampled By: WELSCH
 Sample Id: KK-005
 Location: KORKAY INC., BROADALBIN, NY

CTM Sample No: 9705288 03
 Date Received: 05/27/97
 Collection Method: GRAB
 Matrix: SOIL

Parameters and Standard Methodology Used

% SOLIDS	CLP SOW 4/89
TCLP-ZERO HEADSPACE EXTRACTIONS	SW-846 METHOD 1311
TCLP VOLATILES	SW-846 METHOD 8240
PURGE & TRAP EXTRACTION	SW-846 METHOD 5030
BENZENE (TCLP)	SW-846 METHOD 8240
CARBON TETRACHLORIDE (TCLP)	SW-846 METHOD 8240
CHLOROBENZENE (TCLP)	SW-846 METHOD 8240
CHLOROFORM (TCLP)	SW-846 METHOD 8240
1,4-DICHLOROBENZENE (TCLP)	SW-846 METHOD 8240
1,2-DICHLOROETHANE (TCLP)	SW-846 METHOD 8240
1,1-DICHLOROETHYLENE (TCLP)	SW-846 METHOD 8240
METHYL ETHYL KETONE (TCLP)	SW-846 METHOD 8240
TETRACHLOROETHYLENE (TCLP)	SW-846 METHOD 8240
TRICHLOROETHENE (TCLP)	SW-846 METHOD 8240
VINYL CHLORIDE (TCLP)	SW-846 METHOD 8240
TCLP EXTRACTION	SW-846 METHOD 1311
ACID DIGESTION ON TCLP EXTRACT	SW-846 METHOD 3010
MERCURY PREPARATION - TCLP	SW-846 METHOD 7471
ARSENIC, BY TCLP	SW-846 METHOD 6010
BARIUM, BY TCLP	SW-846 METHOD 6010
CADMIUM, BY TCLP	SW-846 METHOD 6010
CHROMIUM, BY TCLP	SW-846 METHOD 6010
LEAD, BY TCLP	SW-846 METHOD 6010
MERCURY, BY TCLP	SW-846 METHOD 7471
SELENIUM, BY TCLP	SW-846 METHOD 6010
SILVER, BY TCLP	SW-846 METHOD 6010
TCLP BASE/NEUTRALS	SW-846 METHOD 8270 BASE/NEUTRALS
EXTRACTION FOR TCLP B/N	SW-846 METHOD 8270
HEXACHLOROBENZENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS
HEXACHLOROBUTADIENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS
PYRIDINE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS
2,4-DINITROTOLUENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS

<u>Results</u>	<u>PQL</u>	<u>Unit</u>	<u>Analyst Reference</u>
95.1		%	ACM 5/28/97
COMPLETED			MPC 5/28/97
COMPLETED			
COMPLETED			
ND	5	MCG/L	GCMSCE:77 5/29/97
ND	5	MCG/L	GCMSCE:77 5/29/97
ND	5	MCG/L	GCMSCE:77 5/29/97
ND	5	MCG/L	GCMSCE:77 5/29/97
ND	5	MCG/L	GCMSCE:77 5/29/97
ND	5	MCG/L	GCMSCE:77 5/29/97
ND	5	MCG/L	GCMSCE:77 5/29/97
ND	10	MCG/L	GCMSCE:77 5/29/97
ND	5	MCG/L	GCMSCE:77 5/29/97
ND	5	MCG/L	GCMSCE:77 5/29/97
ND	10	MCG/L	GCMSCE:77 5/29/97
COMPLETED			D-23:13 5/28/97
COMPLETED			D-23:15 5/30/97
COMPLETED			D-23:15 5/30/97
ND	0.10	MG/L	F-6:139 6/2/97
0.86	0.10	MG/L	F-6:139 6/2/97
ND	0.005	MG/L	F-6:139 6/2/97
ND	0.010	MG/L	F-6:139 6/2/97
ND	0.020	MG/L	F-6:139 6/2/97
ND	0.0002	MG/L	E-5:40 6/2/97
ND	0.075	MG/L	F-6:140 6/2/97
ND	0.010	MG/L	F-6:139 6/2/97
COMPLETED			
COMPLETED			BRM 5/29/97
ND	20	MCG/L	GCMSB:22 6/8/97
ND	20	MCG/L	GCMSB:22 6/8/97
ND	20	MCG/L	GCMSB:22 6/8/97
ND	20	MCG/L	GCMSB:22 6/8/97

(CONTINUES ON NEXT PAGE)

REMARKS:

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ENVIRONMENTAL SOLUTIONS, INC.
 21 E. HIGH STREET
 BALLSTON SPA NY 12020

CTM PROJECT #: 9917940

Attention: DANIEL WELSCH

CTM Task #: 970617M

Purchase Order Number:
 Date Sampled: 06/17/97 Time: 3:15 PM
 Sampled By: WELSCH
 Sample Id: KK-006
 Location: KOR KAY INC., BROADALBIN

CTM Sample No: 970617M 01
 Date Received: 06/17/97
 Collection Method: COMPOSITE
 Matrix: SOIL

Parameters and Standard Methodology Used

		Results	PQL	Unit	Analyst Reference
X SOLIDS	CLP SOW 4/89	82.0		X	ACH 6/18/97
TCLP EXTRACTION	SW-846 METHOD 1311	COMPLETED			D-23:36 6/18/97
TCLP ACID EXTRACTABLES	SW-846 METHOD 8270	COMPLETED			GCMSB:34 6/28/97
EXTRACTION FOR TCLP ACID/EXT.	SW-846 METHOD 8270	COMPLETED			MPC 6/21/97
O-CRESOL (TCLP)	SW-846 METHOD 8270 ACID FRACTION	NO	20	MCG/L	GCMSB:34 6/28/97
PENTACHLOROPHENOL (TCLP)	SW-846 METHOD 8270 ACID FRACTION	NO	100	MCG/L	GCMSB:34 6/28/97
2,4,5-TRICHLOROPHENOL (TCLP)	SW-846 METHOD 8270 ACID FRACTION	NO	100	MCG/L	GCMSB:34 6/28, 97
2,4,6-TRICHLOROPHENOL (TCLP)	SW-846 METHOD 8270 ACID FRACTION	NO	20	MCG/L	GCMSB:34 6/28/97
M & P CRESOL (TCLP)	SW-846 METHOD 8270 ACID FRACTION	NO	40	MCG/L	GCMSB:34 6/28/97
TCLP BASE/NEUTRALS	SW-846 METHOD 8270 BASE/NEUTRALS	COMPLETED			GCMSB:34 6/28/97
EXTRACTION FOR TCLP B/W	SW-846 METHOD 8270	COMPLETED			MPC 6/21/97
HEXACHLOROBENZENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	NO	20	MCG/L	GCMSB:34 6/28/97
HEXACHLOROBUTADIENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	NO	20	MCG/L	GCMSB:34 6/28/97
PYRIDINE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	NO	20	MCG/L	GCMSB:34 6/28/97
2,4-DINITROTOLUENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	NO	20	MCG/L	GCMSB:34 6/28/97
HEXACHLOROETHANE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	NO	20	MCG/L	GCMSB:34 6/28/97
NITROBENZENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	NO	20	MCG/L	GCMSB:34 6/28/97
1,4-DICHLOROBENZENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	NO	20	MCG/L	GCMSB:34 6/28/97
TCLP-ZERO HEADSPACE EXTRACTIONS	SW-846 METHOD 1311	COMPLETED			MPC 6/18/97
TCLP VOLATILES	SW-846 METHOD 8240	COMPLETED			GCMSB:76 7/7/97
PURGE & TRAP EXTRACTION	SW-846 METHOD 5030	COMPLETED			GCMSB:76 7/7/97
BENZENE (TCLP)	SW-846 METHOD 8240	NO	5	MCG/L	GCMSB:76 7/7/97
CARBON TETRACHLORIDE (TCLP)	SW-846 METHOD 8240	NO	5	MCG/L	GCMSB:76 7/7/97
CHLOROBENZENE (TCLP)	SW-846 METHOD 8240	NO	5	MCG/L	GCMSB:76 7/7/97
CHLOROFORM (TCLP)	SW-846 METHOD 8240	NO	5	MCG/L	GCMSB:76 7/7/97
1,4-DICHLOROBENZENE (TCLP)	SW-846 METHOD 8240	NO	5	MCG/L	GCMSB:76 7/7/97
1,2-DICHLOROETHANE (TCLP)	SW-846 METHOD 8240	NO	5	MCG/L	GCMSB:76 7/7/97
1,1-DICHLOROETHYLENE (TCLP)	SW-846 METHOD 8240	NO	5	MCG/L	GCMSB:76 7/7/97
METHYL ETHYL KETONE (TCLP)	SW-846 METHOD 8240	NO	10	MCG/L	GCMSB:76 7/7/97
TETRACHLOROETHYLENE (TCLP)	SW-846 METHOD 8240	NO	5	MCG/L	GCMSB:76 7/7/97
TRICHLOROETHENE (TCLP)	SW-846 METHOD 8240	NO	5	MCG/L	GCMSB:76 7/7/97
VINYL CHLORIDE (TCLP)	SW-846 METHOD 8240	NO	10	MCG/L	GCMSB:76 7/7/97

(CONTINUES ON NEXT PAGE)

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ENVIRONMENTAL SOLUTIONS, INC.
 21 E. HIGH STREET
 BALLSTON SPA NY 12020

CTM PROJECT #: 9917940

Attention: DANIEL WELSCH

CTM Task #: 970617M

Purchase Order Number:
 Date Sampled: 06/17/97 Time: 3:15 PM
 Sampled By: WELSCH
 Sample Id: KK-006
 Location: KOR KAY INC., BROADALBIN

CTM Sample No: 970617M 01
 Date Received: 06/17/97
 Collection Method: COMPOSITE
 Matrix: SOIL

Parameters and Standard Methodology Used

Results PQL Unit Analyst Reference

(CONTINUED FROM PREVIOUS PAGE)

TCLP PESTICIDES/HERBICIDES	SW-846 METHODS 8080/8150	NO		MCG/L	GC4C:010 7/8/97
EXTRACTION FOR TCLP PESTICIDE	SW-846 METHOD 8080	(T) COMPLETED			MPC 7/3/97
CHLORDANE (TCLP)	SW-846 METHOD 8080	NO	2.0	MCG/L	GC4C:010 7/8/97
ENDRIN (TCLP)	SW-846 METHOD 8080	NO	0.2	MCG/L	GC4C:010 7/8/97
HEPTACHLOR (TCLP)	SW-846 METHOD 8080	NO	0.2	MCG/L	GC4C:010 7/8/97
HEPTACHLOR EPOXIDE (TCLP)	SW-846 METHOD 8080	NO	0.2	MCG/L	GC4C:010 7/8/97
LINDANE (TCLP)	SW-846 METHOD 8080	NO	0.2	MCG/L	GC4C:010 7/8/97
METHOXYCHLOR (TCLP)	SW-846 METHOD 8080	NO	0.2	MCG/L	GC4C:010 7/8/97
TOXAPHENE (TCLP)	SW-846 METHOD 8080	NO	4.0	MCG/L	GC4C:010 7/8/97
EXTRACTION FOR TCLP HERBICIDE	SW-846 METHOD 8150	COMPLETED			MPC 6/27/97
2,4-D (TCLP)	SW-846 METHOD 8150	NO	0.2	MCG/L	GC4C:010 7/8/97
2,4,5-TP (SILVEX) (TCLP)	SW-846 METHOD 8150	NO	0.2	MCG/L	GC4C:010 7/8/97
ACID DIGESTION ON TCLP EXTRACT	SW-846 METHOD 3010	COMPLETED			D-23:43 6/23/97
MERCURY PREPARATION - TCLP	SW-846 METHOD 7471	COMPLETED			D-23:43 6/23/97
ARSENIC, BY TCLP	SW-846 METHOD 6010	NO	0.050	MG/L	F-7:9 6/24/97
BARIUM, BY TCLP	SW-846 METHOD 6010	0.46	0.3	MG/L	F-7:9 6/24/97
CADMIUM, BY TCLP	SW-846 METHOD 6010	NO	0.005	MG/L	F-7:9 6/24/97
CHROMIUM, BY TCLP	SW-846 METHOD 6010	NO	0.010	MG/L	F-7:9 6/24/97
LEAD, BY TCLP	SW-846 METHOD 6010	NO	0.005	MG/L	F-7:9 6/24/97
MERCURY, BY TCLP	SW-846 METHOD 7471	NO	0.0002	MG/L	E-5:46 6/30/97
SELENIUM, BY TCLP	SW-846 METHOD 6010	NO	0.075	MG/L	F-7:9 6/24/97
SILVER, BY TCLP	SW-846 METHOD 6010	NO	0.010	MG/L	F-7:9 6/24/97
IGNITABILITY	SW-846 METHOD 1010	>200	70	of	ACM 6/18/97
CORROSIVITY	EPA,EVAL.SOLID WASTE,1980.40 CFR 261.22	NON-CORRS.			ACM 6/18/97
REACTIVE CYANIDE DISTILLATION	SW-846 METHOD 7.3.3.2	COMPLETED			PL 6/23/97
CYANIDE, REACTIVE	SW-846 METHOD 7.3.3.2	(2) NO	1	MG/KG	PL 6/24/97
SULFIDE, REACTIVE	SW-846 METHOD 7.3.4.2	NO	3	MG/KG	PL 6/18/97

REMARKS: (1) This parameter was analyzed outside of the required holding time.

(2) The concentration of total cyanide for this sample is less than 100 mg/kg. This is well below the reactive cyanide regulatory level of 250 mg/kg. A reactive cyanide analysis is not necessary.

END OF REPORT

LEGEND: MG/KG=PPM, MCG/KG=PPB, MG/L=PPM, MCG/L=PPB, MCG/G=PPM

part 371 limit is 100 ppm.
 this is way below and acceptable

0-20-133/ 12:04PM FROM

CTM Analytical Laboratories, Ltd.

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Environmental Services

ENVIRONMENTAL SOLUTIONS, INC.
21 E. HIGH STREET
BALLSTON SPA NY 12020

Attention: DAN WELSH

Purchase Order Number:
Date Sampled: 06/19/97 Time: 3:51 PM
Sampled By: EMV. SOL.
Sample Id: KK-007
Location: BROADALBIN

CTM Project: 1000000000
CTM Task: 1000000000
CTM Sample: 1000000000
DATE RECEIVED: 6/20/97
Collection: 1000000000
Matrix: 1000000000

Parameters and Standard Methodology Used

EXTRACTION FOR PCBs IN OIL	SU-846 METHOD 8080
PCB1016	SW-846 METHOD 8080
PCB1221	SW-846 METHOD 8080
PCB1232	SW-846 METHOD 8080
PCB1242	SU-846 METHOD 8080
PCB1248	SW-846 METHOD 8080
PCB1254	SW-846 METHOD 8080
PCB1260	SW-846 METHOD 8080
% CHLORINE	ASTM PART 25, 0808-63

Results	PO	Analyte Refers
COMPLETED		ACH 6/20/97
ND	2.5	GC3F:106 6/20/97
ND	2.5	GC3F:106 6/20/97
ND	2.5	GC3F:106 6/20/97
ND	2.5	GC3F:106 6/20/97
ND	2.5	GC3F:106 6/20/97
ND	2.5	GC3F:106 6/20/97
ND	2.5	GC3F:106 6/20/97
0.2	0.1	ACH 6/20/97

2000 ppm

REMARKS:

END OF REPORT

LEGEND: NG/KC=PPM, MCC/KC=PPB, NG/L=PPM, MCC/L=PPB, MCC/C=PPM

CTM Analytical Laboratories, Ltd.

PAGE 1

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ENVIRONMENTAL SOLUTIONS, INC.
21 E. HIGH STREET
BALLSTON SPA NY 12020

CTM PROJECT #: 9917940

Attention: DANIEL WELSCH

CTM Task #: 970623M

Purchase Order Number:
Date Sampled: 06/23/97 Time: 12:16 PM
Sampled By: WELSCH
Sample Id: KK-008
Location: KORKAY INC. BROADALBIN

CTM Sample No: 970623M 01
Date Received: 06/23/97
Collection Method: COMPOSITE
Matrix: WATER

Parameters and Standard Methodology Used

Parameters and Standard Methodology Used		Results	PQL	Unit	Analyst Reference
BCOD5	EPA METHOD 405.1	ND	2	MG/L	TK 6/23/97
CCO	EPA METHOD 410.4	12.7	10	MG/L	TK 6/26/97
SOLIDS, SUSPENDED TOTAL	EPA METHOD 160.2	5	4	MG/L	SP 6/24/97
PH	EPA METHOD 150.1	8.5		SUA200c	PL 6/23/97
ACID DIGESTION - FLAME/ICP	SW-846 METHOD 3010	COMPLETED			D-23:47 6/25/97
ACID DIGESTION- FURNACE	SW-846 METHOD 3020	COMPLETED			D-23:45 6/24/97
ANTIMONY	ICP, EPA METHOD 200.7	ND	0.060	MG/L	F-7:11 6/26/97
ARSENIC	STD. METHODS 18TH ED. - 31138	ND	0.005	MG/L	C-12:4 6/25/97
BERYLLIUM	ICP, EPA METHOD 200.7	ND	0.005	MG/L	F-7:11 6/26/97
CADMIUM	ICP, EPA METHOD 200.7	ND	0.005	MG/L	F-7:11 6/26/97
CHROMIUM	ICP, EPA METHOD 200.7	ND	0.010	MG/L	F-7:11 6/26/97
COPPER	ICP, EPA METHOD 200.7	ND	0.020	MG/L	F-7:11 6/26/97
LEAD	ICP, EPA METHOD 200.7	ND	0.003	MG/L	F-7:11 6/26/97
MERCURY DIGESTION - AQUEOUS	EPA METHODS, 1983 245.1	COMPLETED			D-23:49 6/29/97
MERCURY	EPA METHODS, 1983 245.1	ND	0.0002	MG/L	E-5:47 6/30/97
NICKEL	ICP, EPA METHOD 200.7	ND	0.030	MG/L	F-7:11 6/26/97
SELENIUM	STD. METHODS 18TH ED. - 31138	ND	0.005	MG/L	C-12:12 6/29/97
SILVER	ICP, EPA METHOD 200.7	ND	0.010	MG/L	F-7:11 6/26/97
THALLIUM	EPA METHODS, 1983 279.2	ND	0.010	MG/L	C-12:9 6/27/97
ZINC	ICP, EPA METHOD 200.7	ND	0.020	MG/L	F-7:11 6/26/97
VOLATILES, EPA 624		(^) COMPLETED			GCMSCE:87 6/24/97
CHLOROMETHANE	EPA 624	ND	10	MCG/L	GCMSCE:87 6/24/97
VINYL CHLORIDE	EPA 624	ND	10	MCG/L	GCMSCE:87 6/24/97
BROMOMETHANE	EPA 624	ND	10	MCG/L	GCMSCE:87 6/24/97
CHLOROETHANE	EPA 624	ND	10	MCG/L	GCMSCE:87 6/24/97
TRICHLOROFLUOROMETHANE	EPA 624	ND	10	MCG/L	GCMSCE:87 6/24/97
1,1-DICHLOROETHANE	EPA 624	ND	5	MCG/L	GCMSCE:87 6/24/97
METHYLENE CHLORIDE	EPA 624	ND	5	MCG/L	GCMSCE:87 6/24/97
TRANS-1,2-DICHLOROETHENE	EPA 624	ND	5	MCG/L	GCMSCE:87 6/24/97
1,1-DICHLOROETHENE	EPA 624	ND	5	MCG/L	GCMSCE:87 6/24/97
CHLOROFORM	EPA 624	ND	5	MCG/L	GCMSCE:87 6/24/97
1,1,1-TRICHLOROETHANE	EPA 624	ND	5	MCG/L	GCMSCE:87 6/24/97

(CONTINUES ON NEXT PAGE)

REMARKS: (^) SAMPLE WAS ANALYZED 3 MINUTES OUTSIDE OF CALIBRATION TIME. ALL SURROGATES AND INTERNAL STANDARDS WERE WITHIN ACCEPTABLE RANGES.

CTM Analytical Laboratories, Ltd.

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ENVIRONMENTAL SOLUTIONS, INC.
 21 E. HIGH STREET
 BALLSTON SPA NY 12020

CTM PROJECT #: 9917940

Attention: DANIEL WELSCH

CTM Task #: 970623M

Purchase Order Number:
 Date Sampled: 06/23/97 Time: 12:16 PM
 Sampled By: WELSCH
 Sample Id: KK-008
 Location: KORKAY INC. BROADALBIN

CTM Sample No: 970623M 01
 Date Received: 06/23/97
 Collection Method: COMPOSITE
 Matrix: WATER

Parameters and Standard Methodology Used

Results PQL Unit Analyst Reference

(CONTINUED FROM PREVIOUS PAGE)

CARBON TETRACHLORIDE	EPA 624	NO	5	MCG/L	GCMSCE:87 6/24/97
BENZENE	EPA 624	NO	5	MCG/L	GCMSCE:87 6/24/97
1,2-DICHLOROETHANE	EPA 624	NO	5	MCG/L	GCMSCE:87 6/24/97
TRICHLOROETHENE	EPA 624	NO	5	MCG/L	GCMSCE:87 6/24/97
1,2-DICHLOROPROPANE	EPA 624	NO	5	MCG/L	GCMSCE:87 6/24/97
BROMODICHLOROMETHANE	EPA 624	NO	5	MCG/L	GCMSCE:87 6/24/97
2-CHLOROETHYLVINYLETHER	EPA 624	NO	10	MCG/L	GCMSCE:87 6/24/97
TRANS-1,3-DICHLOROPROPENE	EPA 624	NO	5	MCG/L	GCMSCE:87 6/24/97
TOLUENE	EPA 624	NO	5	MCG/L	GCMSCE:87 6/24/97
CIS-1,3-DICHLOROPROPENE	EPA 624	NO	5	MCG/L	GCMSCE:87 6/24/97
1,1,2-TRICHLOROETHANE	EPA 624	NO	5	MCG/L	GCMSCE:87 6/24/97
TETRACHLOROETHENE	EPA 624	NO	5	MCG/L	GCMSCE:87 6/24/97
DIBROMOCHLOROMETHANE	EPA 624	NO	5	MCG/L	GCMSCE:87 6/24/97
CHLOROBENZENE	EPA 624	NO	5	MCG/L	GCMSCE:87 6/24/97
ETHYLBENZENE	EPA 624	NO	5	MCG/L	GCMSCE:87 6/24/97
BROMOFORM	EPA 624	NO	5	MCG/L	GCMSCE:87 6/24/97
1,1,2,2,-TETRACHLOROETHANE	EPA 624	NO	5	MCG/L	GCMSCE:87 6/24/97
1,3-DICHLOROBENZENE	EPA 624	NO	5	MCG/L	GCMSCE:87 6/24/97
1,4-DICHLOROBENZENE	EPA 624	NO	5	MCG/L	GCMSCE:87 6/24/97
1,2-DICHLOROBENZENE	EPA 624	NO	5	MCG/L	GCMSCE:87 6/24/97
ACID EXTRACTABLES, EPA 625		COMPLETED			
EXTRACTION FOR EPA 625 ACIDS		COMPLETED			MPC 6/26/97
PHENOL	EPA METHOD 625 (ACID EXTRACTABLES)	NO	5	MCG/L	GCMSD:111 6/27/97
2-CHLOROPHENOL	EPA METHOD 625 (ACID EXTRACTABLES)	NO	5	MCG/L	GCMSD:111 6/27/97
2-NITROPHENOL	EPA METHOD 625 (ACID EXTRACTABLES)	NO	5	MCG/L	GCMSD:111 6/27/97
2,4-DIMETHYLPHENOL	EPA METHOD 625 (ACID EXTRACTABLES)	NO	5	MCG/L	GCMSD:111 6/27/97
2,4-DICHLOROPHENOL	EPA METHOD 625 (ACID EXTRACTABLES)	NO	5	MCG/L	GCMSD:111 6/27/97
4-CHLORO-3-METHYLPHENOL	EPA METHOD 625 (ACID EXTRACTABLES)	NO	5	MCG/L	GCMSD:111 6/27/97
2,4,6-TRICHLOROPHENOL	EPA METHOD 625 (ACID EXTRACTABLES)	NO	5	MCG/L	GCMSD:111 6/27/97
2,4-DINITROPHENOL	EPA METHOD 625 (ACID EXTRACTABLES)	NO	25	MCG/L	GCMSD:111 6/27/97

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REMARKS:

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ENVIRONMENTAL SOLUTIONS, INC.
 21 E. HIGH STREET
 BALLSTON SPA NY 12020

CTM PROJECT #: 9917940

Attention: DANIEL WELSCH

CTM Task #: 970623M

Purchase Order Number:
 Date Sampled: 06/23/97 Time: 12:16 PM
 Sampled By: WELSCH
 Sample Id: KK-008
 Location: KORKAY INC. BROADALBIN

CTM Sample No: 970623M 01
 Date Received: 06/23/97
 Collection Method: COMPOSITE
 Matrix: WATER

Parameters and Standard Methodology Used

Results POL Unit Analyst Reference

(CONTINUED FROM PREVIOUS PAGE)

4-NITROPHENOL	EPA METHOD 625 (ACID EXTRACTABLES)	NO	25	MCG/L	GCMSD:111 6/27/97
2-METHYL-4,6-DINITROPHENOL	EPA METHOD 625 (ACID EXTRACTABLES)	NO	25	MCG/L	GCMSD:111 6/27/97
PENTACHLOROPHENOL	EPA METHOD 625 (ACID EXTRACTABLES)	NO	25	MCG/L	GCMSD:111 6/27/97
BASE/NEUTRALS, EPA 625 EXTRACTION FOR EPA 625	BASE/NEUTRALS	COMPLETED			MPC 6/26/97
N-NITROSDIMETHYLAMINE	EPA METHOD 625 (BASE/NEUTRAL EXTRACT.)	NO	5	MCG/L	GCMSD:111 6/27/97
BIS-(2-CHLOROETHYL)-ETHER	EPA METHOD 625 (BASE/NEUTRAL EXTRACT.)	NO	5	MCG/L	GCMSD:111 6/27/97
1,3-DICHLOROBENZENE	EPA METHOD 625 (BASE/NEUTRAL EXTRACT.)	NO	5	MCG/L	GCMSD:111 6/27/97
1,4-DICHLOROBENZENE	EPA METHOD 625 (BASE/NEUTRAL EXTRACT.)	NO	5	MCG/L	GCMSD:111 6/27/97
1,2-DICHLOROBENZENE	EPA METHOD 625 (BASE/NEUTRAL EXTRACT.)	NO	5	MCG/L	GCMSD:111 6/27/97
BIS-(2-CHLOROISOPROPYL)-ETHER	EPA METHOD 625 (BASE/NEUTRAL EXTRACT.)	NO	5	MCG/L	GCMSD:111 6/27/97
N-NITROSO-DI-N-PROPYLAMINE	EPA METHOD 625 (BASE/NEUTRAL EXTRACT.)	NO	5	MCG/L	GCMSD:111 6/27/97
HEXACHLOROETHANE	EPA METHOD 625 (BASE/NEUTRAL EXTRACT.)	NO	5	MCG/L	GCMSD:111 6/27/97
NITROBENZENE	EPA METHOD 625 (BASE/NEUTRAL EXTRACT.)	NO	5	MCG/L	GCMSD:111 6/27/97
ISOPHORONE	EPA METHOD 625 (BASE/NEUTRAL EXTRACT.)	NO	5	MCG/L	GCMSD:111 6/27/97
BIS-(2-CHLOROETHOXY)-METHANE	EPA METHOD 625 (BASE/NEUTRAL EXTRACT.)	NO	5	MCG/L	GCMSD:111 6/27/97
1,2,4-TRICHLOROBENZENE	EPA METHOD 625 (BASE/NEUTRAL EXTRACT.)	NO	5	MCG/L	GCMSD:111 6/27/97
NAPHTHALENE	EPA METHOD 625 (BASE/NEUTRAL EXTRACT.)	NO	5	MCG/L	GCMSD:111 6/27/97
HEXACHLOROBUTADIENE	EPA METHOD 625 (BASE/NEUTRAL EXTRACT.)	NO	5	MCG/L	GCMSD:111 6/27/97
HEXACHLOROCYCLOPENTADIENE	EPA METHOD 625 (BASE/NEUTRAL EXTRACT.)	NO	5	MCG/L	GCMSD:111 6/27/97
2-CHLORONAPHTHALENE	EPA METHOD 625 (BASE/NEUTRAL EXTRACT.)	NO	5	MCG/L	GCMSD:111 6/27/97
DIMETHYL PHTHALATE	EPA METHOD 625 (BASE/NEUTRAL EXTRACT.)	NO	10	MCG/L	GCMSD:111 6/27/97
ACENAPHTHYLENE	EPA METHOD 625 (BASE/NEUTRAL EXTRACT.)	NO	5	MCG/L	GCMSD:111 6/27/97
ACENAPHTHENE	EPA METHOD 625 (BASE/NEUTRAL EXTRACT.)	NO	5	MCG/L	GCMSD:111 6/27/97
2,6-DINITROTOLUENE	EPA METHOD 625 (BASE/NEUTRAL EXTRACT.)	NO	5	MCG/L	GCMSD:111 6/27/97
2,4-DINITROTOLUENE	EPA METHOD 625 (BASE/NEUTRAL EXTRACT.)	NO	5	MCG/L	GCMSD:111 6/27/97
DIETHYL PHTHALATE	EPA METHOD 625 (BASE/NEUTRAL EXTRACT.)	NO	10	MCG/L	GCMSD:111 6/27/97
4-CHLOROPHENYL-PHENYL-ETHER	EPA METHOD 625 (BASE/NEUTRAL EXTRACT.)	NO	5	MCG/L	GCMSD:111 6/27/97
FLUORENE	EPA METHOD 625 (BASE/NEUTRAL EXTRACT.)	NO	5	MCG/L	GCMSD:111 6/27/97
N-NITROSDIPHENYLAMINE	EPA METHOD 625 (BASE/NEUTRAL EXTRACT.)	NO	5	MCG/L	GCMSD:111 6/27/97

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ENVIRONMENTAL SOLUTIONS, INC.
 21 E. HIGH STREET
 BALLSTON SPA NY 12020

CTM PROJECT #: 9917940

Attention: DANIEL WELSCH

CTM Task #: 970623M

Purchase Order Number:
 Date Sampled: 06/23/97 Time: 12:16 PM
 Sampled By: WELSCH
 Sample Id: KX-008
 Location: KORKAY INC, BROADALBIN

CTM Sample No: 970623M 01
 Date Received: 06/23/97
 Collection Method: COMPOSITE
 Matrix: WATER

Parameters and Standard Methodology Used

Results PQL Unit Analyst Reference

(CONTINUED FROM PREVIOUS PAGE)

4-BROMOPHENYL-PHENYL-ETHER	EPA METHOD 625 (BASE/NEUTRAL EXTRACT.)	ND	5	MCG/L	GCM5D:111 6/27/97
HEXACHLOROBENZENE	EPA METHOD 625 (BASE/NEUTRAL EXTRACT.)	ND	5	MCG/L	GCM5D:111 6/27/97
PHENANTHRENE	EPA METHOD 625 (BASE/NEUTRAL EXTRACT.)	ND	5	MCG/L	GCM5D:111 6/27/97
ANTHRACENE	EPA METHOD 625 (BASE/NEUTRAL EXTRACT.)	ND	5	MCG/L	GCM5D:111 6/27/97
DI-N-BUTYLPHTHALATE	EPA METHOD 625 (BASE/NEUTRAL EXTRACT.)	ND	10	MCG/L	GCM5D:111 6/27/97
FLUORANTHENE	EPA METHOD 625 (BASE/NEUTRAL EXTRACT.)	ND	5	MCG/L	GCM5D:111 6/27/97
PYRENE	EPA METHOD 625 (BASE/NEUTRAL EXTRACT.)	ND	5	MCG/L	GCM5D:111 6/27/97
BENZIDINE	EPA METHOD 625 (BASE/NEUTRAL EXTRACT.)	ND	10	MCG/L	GCM5D:111 6/27/97
BUTYL-BENZYL PHTHALATE	EPA METHOD 625 (BASE/NEUTRAL EXTRACT.)	ND	10	MCG/L	GCM5D:111 6/27/97
BENZO(A)ANTHRACENE	EPA METHOD 625 (BASE/NEUTRAL EXTRACT.)	ND	5	MCG/L	GCM5D:111 6/27/97
3-3-DICHLOROBENZIDIENE	EPA METHOD 625 (BASE/NEUTRAL EXTRACT.)	ND	10	MCG/L	GCM5D:111 6/27/97
DI-N-OCTYL PHTHALATE	EPA METHOD 625 (BASE/NEUTRAL EXTRACT.)	ND	10	MCG/L	GCM5D:111 6/27/97
BENZO(K) FLUORANTHENE	EPA METHOD 625 (BASE/NEUTRAL EXTRACT.)	ND	5	MCG/L	GCM5D:111 6/27/97
BENZO(A) PYRENE	EPA METHOD 625 (BASE/NEUTRAL EXTRACT.)	ND	5	MCG/L	GCM5D:111 6/27/97
INDENO-(1,2,3)-(C,D)-PYRENE	EPA METHOD 625 (BASE/NEUTRAL EXTRACT.)	ND	5	MCG/L	GCM5D:111 6/27/97
DIBENZO-(A,H)-ANTHRACENE	EPA METHOD 625 (BASE/NEUTRAL EXTRACT.)	ND	5	MCG/L	GCM5D:111 6/27/97
CHRYSENE	EPA METHOD 625 (BASE/NEUTRAL EXTRACT.)	ND	5	MCG/L	GCM5D:111 6/27/97
BIG-(2-ETHYL-HEXYL)PHTHALATE	EPA METHOD 625 (BASE/NEUTRAL EXTRACT.)	ND	10	MCG/L	GCM5D:111 6/27/97
BENZO(B) FLUORANTHENE	EPA METHOD 625 (BASE/NEUTRAL EXTRACT.)	ND	5	MCG/L	GCM5D:111 6/27/97
BENZO-(G,H,I)-PERYLENE	EPA METHOD 625 (BASE/NEUTRAL EXTRACT.)	ND	5	MCG/L	GCM5D:111 6/27/97

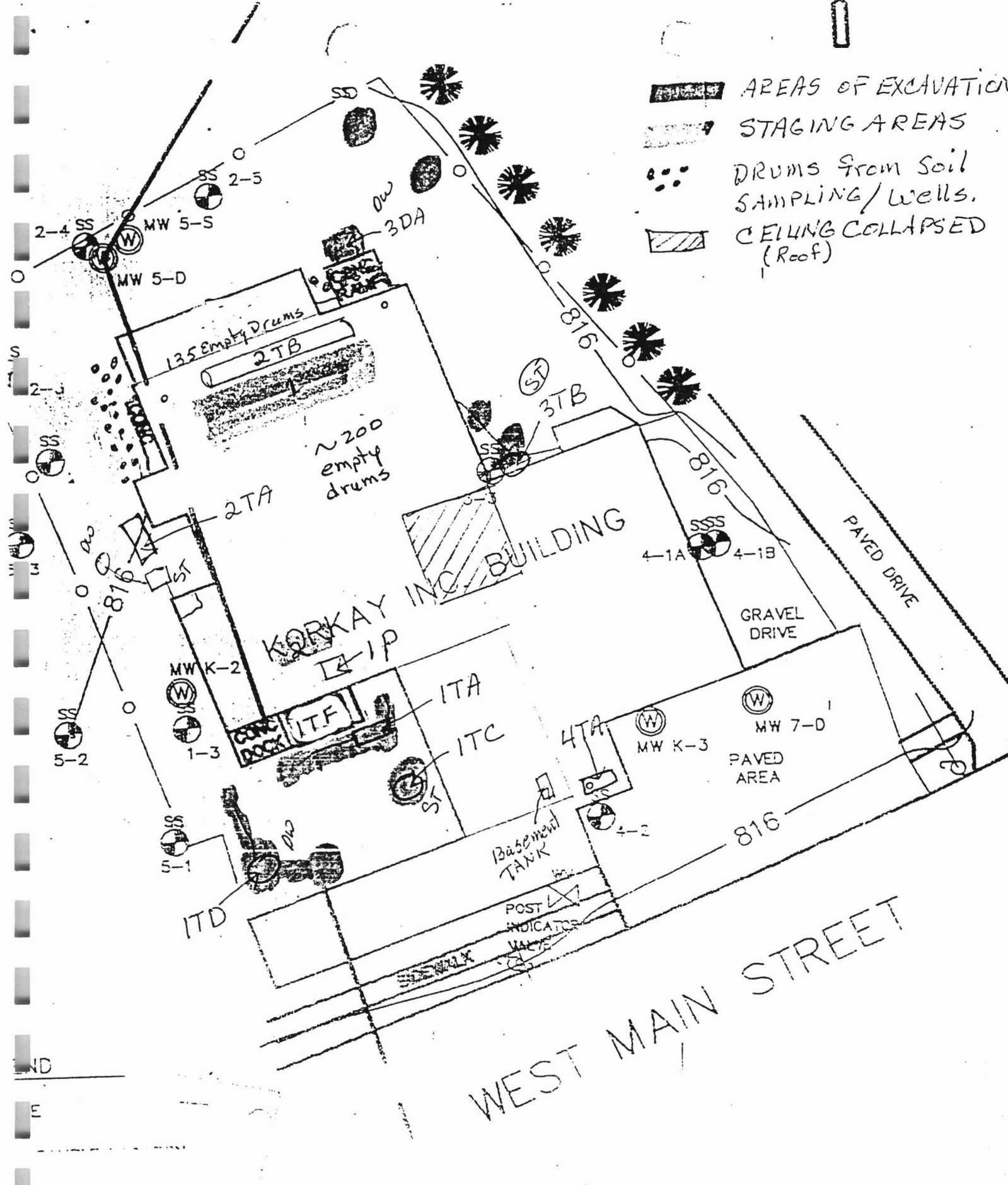
REMARKS:


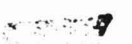


END OF REPORT

LEGEND: MG/KG=PPM, MCG/KG=PPB, MG/L=PPM, MCG/L=PPB, MCG/G=PPM

APPENDIX D

AS-BUILT DRAWINGS



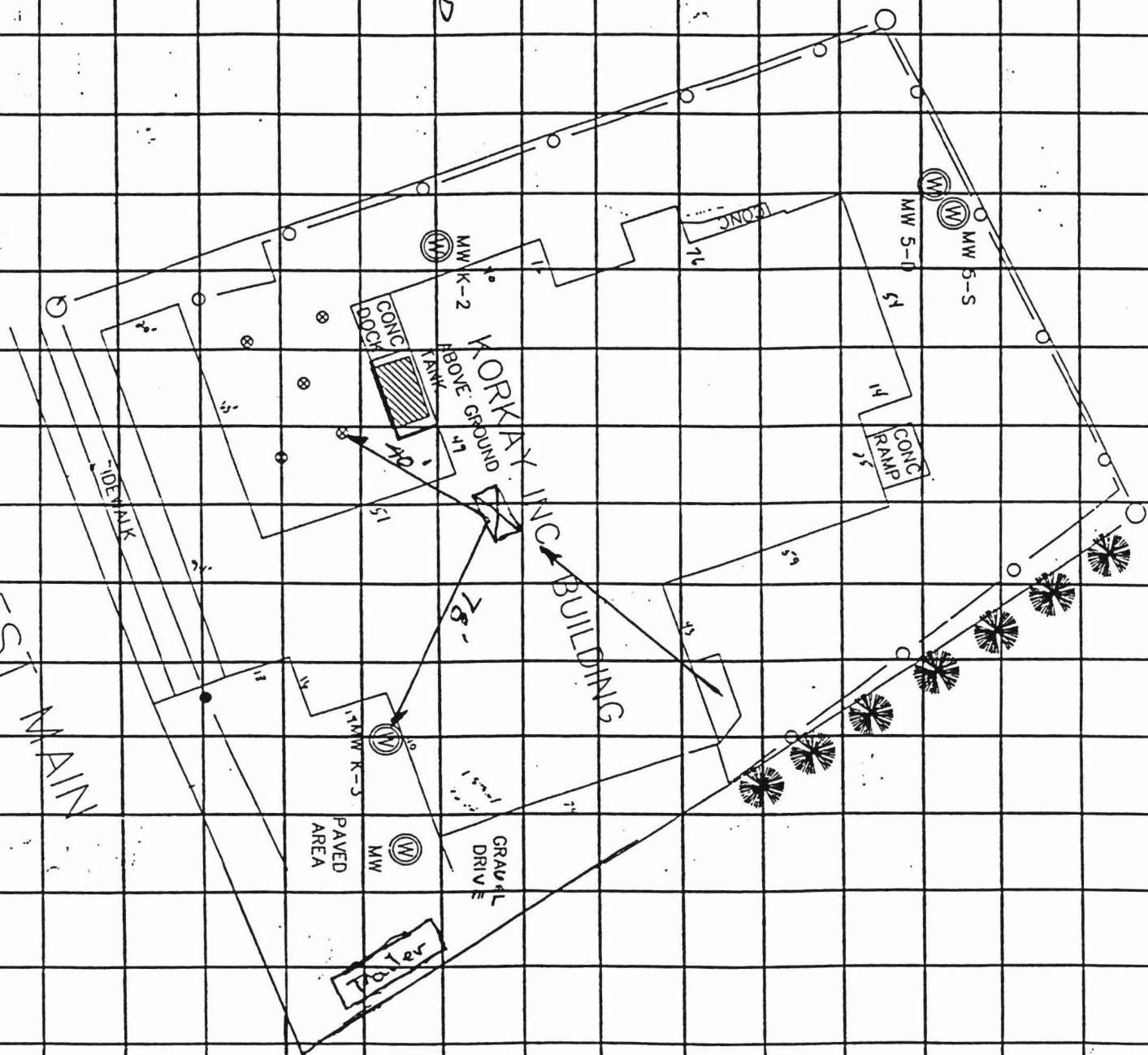
-  AREAS OF EXCAVATION
-  STAGING AREAS
-  DRUMS from Soil SAMPLING/Wells.
-  CEILING COLLAPSED (Roof)

01640-5

2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

LOADING DOCK
LOCATION OF BUREAU

PC
6/10/77



Korkay Inc.
Air monitoring Grid

Date -
Samplers Int. -