915043

DRUM AND SOIL
INTERIM REMEDIAL MEASURES CONTRACT

FINAL REMEDIATION REPORT

PFOHL BROTHERS LANDFILL
CHEEKTOWAGA (T)

SITE NO. 9-15-043
ERIE (C)

Prepared for:
NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
50 Wolf Road, Albany, New York

Michael D. Zagata - Commissioner

DIVISION OF HAZARDOUS WASTE REMEDIATION

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G2170

January 1996

URS
AN INTERNATIONAL PROFESSIONAL SERVICES ORGANIZATION

PFOHL BROTHERS LANDFILL
W.A. D002340-15

DEC SITE NO. 9-15-043
CHEEKTOWAGA, ERIE COUNTY, NEW YORK
DRUM AND SOIL INTERIM REMEDIAL CONTRACT

FINAL CONSTRUCTION CERTIFICATION

Construction was completed in accordance with the contract documents prepared by the New York State Department of Environmental Conservation and entitled "Drum and Soil Interim Remedial Contract, Pfohl Brothers Landfill, Site No. 9-15-043, Cheektowaga, Erie County, New York", dated January 1992, and as included and approved by authorized Change Orders and construction record drawings/Post Remediation Report.

URS CONSULTANTS, INC.
282 DELAWARE AVENUE
BUFFALO, NEW YORK 14202-1805

Signature: _____
Robert J. Hoffman
URS Construction Manager

Date: 1/31/96

STATE OF NEW YORK
JAMES A. LANZO
No. 65478
LICENSED PROFESSIONAL ENGINEER

(seal)

Signature: _____
James Lanzo, P.E.
URS Operations Manager

Date: 1/31/96

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STATE SUPERFUND WORK ASSIGNMENT

D002340-15

FINAL REMEDIATION REPORT

FOR

DRUM AND SOIL INTERIM REMEDIAL MEASURES CONTRACT

PFOHL BROTHERS LANDFILL

SITE NO. 9-15-043

CHEEKTOWAGA, ERIE COUNTY, NEW YORK

SUBMITTED BY:

URS CONSULTANTS, INC.

282 DELAWARE AVENUE

BUFFALO, NEW YORK 14202

JANUARY, 1996

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1.0 INTRODUCTION

1.1 General

An Interim Remedial Measures (IRM) project was recently completed at the Pfohl Brothers Landfill, a New York State Department of Environmental Conservation (NYSDEC) Superfund site (DEC Site No. 9-15-043). URS Consultants, hereafter referred to as Engineer, provided oversight and inspection services for this project under our NYSDEC Master Standby Contract, Work Assignment No. D002340-15. This report, prepared in accordance with URS Work Assignment, summarizes the remedial activities.

The remedial construction activities were performed by OHM Corporation of Clarence Center, New York, hereafter referred to as "Contractor". Included in this report is a description of the project site, the remedial construction activities performed at the site, and preliminary investigation findings resulting from the IRM project. A Final Construction Certification is also incuded in this report.

The report also contains discussions concerning problems associated with the implementation of the IRM and identifies contractual deviations and resolutions.

1.2 Site Location and History

The Pfohl Brothers site is an inactive landfill is located along Aero Drive in the Town of Cheektowaga, Erie County, New York. The site is approximately 120 acres in size, and is located in a commercial/residential area northeast of the Buffalo International Airport. See attached Site Map - Figure No. 1.

The Pfohl Brothers Landfill was in operation from 1932 to 1971, and both industrial waste municipal garbage and construction and demolition debris were disposed of at the site. Reported industrial waste dumped at the site included phenolic tars, waste solvents, paints, thinners, pine tar pitch, cellulose, rubber and scrap metal. There is also documentation that the

landfill accepted sludges, capacitors with polychlorinated biphenyls (PCBs), and phenol tars with chlorinated benzenes and dioxins.

In June 1982 the United States Environmental Protection Agency (EPA) contracted Fred C. Hart Associates to perform a hazard ranking of the site. The report notes sampling of a seep on the northern boundary of the landfill indicated the presence of benzene and chlorinated benzenes. Additional sampling performed in February 1984 by Ecology and Environment, Inc. for the property owner's law firm revealed elevated levels of barium in a leachate seep sample. Polycyclic aromatic hydrocarbons (PAHs), phenols and elevated concentrations of nickel were detected in the site soils. This investigation also revealed elevated levels of heavy metals in the shallow groundwater.

In November 1986, the New York State Department of Health (NYSDOH) analyzed samples of leachate, soil and waste from surface drums containing tar-like material. Some of the drums were found to contain elevated levels of PAH's, and the soil contained PCB's and elevated concentrations of various heavy metals.

A State Superfund Remedial Investigation/Feasibility Study (RI/FS) was initiated in 1990 by NYSDEC contracted consultant, Camp Dresser & McKee (CDM). Under the RI/FS, the landfill was divided into three geographical areas, A, B, and C. Area A is located north of the New York State Thruway access ramp (not within the scope of the IRM), Area B is situated north of Aero Drive, and Area C lies to the south of Aero Drive.

The Phase I RI consisted of six major field activities, including a geophysical survey, sampling of surface water, leachate seep and sediments, gamma surveys, test pit investigations, soil boring installations, and groundwater testing. The final Phase I RI report was submitted to NYSDEC by CDM in July 31, 1990. The report concluded that the site poses a significant threat to the public health and/or the environment. Based upon the RI Report the site was classified as a "Class 2" by New York States Registry of Inactive Hazardous Waste Disposal Sites. This classification stipulates that further remedial action is required.

Phase II of the RI involves an offsite groundwater study directed by the DEC, which is ongoing.

1.3 Purpose and Scope of IRM

In January 1992 the NYSDEC issued for bid the Contract Documents for the Pfohl Brothers Landfill Interim Remedial Contract. The need to perform an IRM action was based upon the imminent threat to public health and the surrounding environment. A summary of the proposed work items as outlined in the contract documents is as follows:

1. Submittals of the following plans: Health and Safety Plan, Chemical Quality Assurance Plan, Quality Control Plan, Contingency Plan addressing Community Notification Methods (including spill control) and Work and Waste Handling Plan, Sample Collection Plan and Surface Water Management Plan.

2. Submittal of Final Project Plans in accordance with Section 00500.9.2.

3. Attendance at a Pre-Construction Conference following Notice to Proceed.

4. Construction of concrete decontamination pads, drain systems and tank systems to remain on the site for future activities.

5. Construction of temporary surface runoff control and collection systems to prevent contaminated runoff from waterways or wetlands.

6. Design and construction of concrete staging areas for drums and contaminated soils.

7. Construction of on-site encapsulation cells for empty drums and dioxin contaminated waste.

8. Pick-up of loosely scattered drums within the 100-year flood plain. Excavation of drums, tar, contaminated soil from the IRM area; hauling and landfill of these materials to staging areas and/or encapsulation cells constructed on-site.

9. Sampling and testing of drum contents and contaminated soils. Off-site disposal of drums and visibly contaminated soils.

10. Backfilling the excavation to the original grades and seeding.

11. Test excavations in locations determined by the Engineer.

Deviations from these proposed work items are discussed in Section 7.0.

2.0 HEALTH AND SAFETY OF ONSITE PERSONNEL

All work performed under this contract by the Contractor was in accordance with a Health and Safety Plan (HASP) as per Occupational Health and Safety Administration (OSHA) regulation 29 CFR 1910.120. The HASP was developed and implemented by the Contractor. NYSDEC reviewed and provided comments on the HASP prior to commencement of field activities. URS personnel worked under the OHM's HASP.

All field personnel, including URS, were trained and certified to work on inactive hazardous waste sites per OSHA 29 CFR 1910.120 regulations. In addition, all field personnel required medical surveillance per 29 CFR 1910.120 (F).

3.0 IRM CONSTRUCTION ACTIVITIES AND FINDINGS

This section describes the implementation and operation of various IRM construction activities performed at the Pfohl Brothers site.

3.1 General

The NYSDEC issued the Notice to Proceed to the OHM on June 25, 1992. The Contractor began site perimeter and support zone walkovers and perimeter baseline air monitoring on June 29, 1992. Mobilization of equipment to the site commenced on July 7, 1992. Work continued throughout the last half of 1992 and into early 1993. Final site demobilization was completed on February 26, 1993.

3.1.1 Contract Costs

The original negotiated contract cost for the Pfohl Brothers IRM was $1,159,715 and included excavation of 900 full and 600 crushed drums, analytical costs, offsite disposal, and construction of an encapsulation cell. Table 3-1A presents the original engineering estimate and bid tabulation.

A total of three charge orders were issued to address the changing Scope of Work. These changes included the increase in the number of excavated drums to almost 3,000 with the associated increases in the costs of overpacks and analytical requirements. Costs for required work also decreased with the elimination of construction of the encapsulation cell and decision to not remove any excavated waste from the site. This latter decision was prompted by ongoing negotiations between the NYSDEC and the PRPs.

Change order Number 1 consisted of 1 item with a net increase in costs of $5,700. Change Order Number No. 2 consisted of eight items, seven of which had associated cost increases and one cost decrease for a net increase of $626,181. Change order No. 3 included 14 items with a net increase of $860,359.

Final contracted costs were $2,794,858.18.

3.2 Site Preparation and Mobilization

Prior to commencement of remedial operations, the following site preparation and mobilization activities were performed by the Contractor:

- Clearing and grubbing for setup of facilities and access roads.
- Construction of access roads.
- Construction of parking and storage areas (support zone).
- Installation and connection of utility services (electric, telephone and sanitary facilities).
- Installation of a meteorological station.
- Installation of temporary facilities (i.e. trailers and security).

Support Zone in Area B and staging areas and decontamination stations in Areas B and C.

The grubbed brush, trees, roots, and wood debris were chipped and spread onsite.

Temporary haul roads were constructed to access the staging areas and the proposed encapsulation cell location. The roads were constructed with the following materials: a geotextile (Typar 3401) membrane, a six-inch layer of #6 surge stone, and a six-inch layer of #2 crusher-run stone. Parking and storage areas were constructed with the same material and procedures used in access road construction. Compaction of these areas was by bulldozer tracking.

3.3 Construction of Site Facilities

As specified in the Contract Documents, the Contractor constructed the following site facilities prior to commencement of remedial activities. The Contract submitted shop drawings for these facilities which were reviewed by the Engineer.

The site facilities in Area B and C included:

- Concrete staging areas for drums and contaminated soil, and
- Concrete decontamination pads

The Contractor originally constructed two reinforced concrete staging pads in both Area B and Area C, one for drums and one for soils in each respective Area. The staging pads were constructed in accordance to the Contract Documents. Each staging pad is sloped to a collection

sump. Due to an unanticipated increase in the number of drums encountered on the site additional drum staging areas were constructed in both Area B and Area C. These staging pads were constructed of plywood underlain by 60 mil HDPE which was placed above a subbase composed of crushed stone and geotextile. This item was authorized by Bulletin D-2. The concrete staging pad constructed in Area C to contain contaminated soils was also utilized for drum storage.

The decontamination pads for both Areas B and C were constructed in accordance with the Contract Documents. Each pad was equipped with a center collection sump draining to a below-grade 1000 gallon holding sump constructed of precast concrete.

3.4 Removal and Storage of Drums

Drum removal and excavation activities at the site were conducted between September 1992 and February 1993. This item included removal of surface drums, loosely scattered drums within the 100 year flood plain, and excavation of buried drums. A total of 2928 drums were removed and placed in metal overpack drums. The majority of the overpacks were 85-gallons, although some 55-gallon and 110-gallon overpacks were also used.

Drum excavation and recovery operations were initiated in Area B. Removal of scattered surface drums and excavation of buried drums were performed concurrently by the Contractor. Prior to excavation, the Contractor located and staked the known drum clusters in the field. Excavation and removal activities were performed at known drum clusters as specified in Drawing 1 of the Contract Documents, other drum cluster areas discovered during site operations. Upon completion of drum removal activities in Area B, the Contractor implemented these same activities in Area C. The findings of the drum removal program and required further work are outlined in section 3.4.1.

Drum removal and overpacking was accomplished drum grapplers mounted on a CAT 215 backhoe or equivalent. Drums containing waste were placed in overpack drums, empty drums were staged on poly sheeting during removal activities and were ultimately buried onsite at locations designated on the Record Drawing. A total of 1619 empty drums were recovered

and buried. Drum overpacking operations were performed over poly sheeting or within a metal overpacking containment pan.

The Contractor logged every drum that was overpacked, carefully inspecting the drums for any markings and/or labels which could be used to identify potentially Responsible Parties (PRPs). This information, as well as other pertinent data about the drum was recorded on the drum logs. The standard drum log form used for this project is included as Figure 3-1. Each overpack was marked with an identification inventory number corresponding to the drum log. The identification inventory number indicates the location where the drum as found (i.e. 726-DC-14). Other pertinent information, such as PRP data (Section 4.0), was also marked on the outside of the overpack. The full overpacks were periodically transported to the drum staging pads for sampling. After sampling was completed every overpack was affixed with a metal tag inscribed with the drum identification number per contract specification.

In addition, 49 existing drums recovered during the previous CDM's RI test pit program, were sampled in accordance with Addendum No. 1 (Item #10) to the OHM Contract.

3.4.1 Findings and Remaining Work

Area B

A total of 2144 drums were overpacked in Area B. Table 3-1 summarizes the drum recovery totals in Area B according to location.

As indicated by the table the largest concentration of drums was encountered on the west side of Area B at DC-9 and DC-14. Further exploratory work and drum removal is required along the west side of Area B, specifically within and around DC-14 and DC-13 and south of DC-9. Other drum suspect areas within Area B requiring further investigation have been identified on the IRM Guidance Drawing.

Three drum clusters not identified on Plate 1 of the contract documents were discovered and remediated during the course of the IRM activities in Area B. These areas were designated

DC-24, DC-25, and DC-26. A total of 362 drums were encountered and overpacked at DC-24. These drums were encountered less than one foot below grade to a depth of approximately eight feet. Elevated PID readings (100-400 ppm) were recorded from many of the drums from this cluster. Drum clusters DC-25 and DC-26 were smaller clusters, containing under 50 drums each.

With the exception of the west side of Area B all drums encountered within the 100 year flood plain were recovered.

Area C

A total of 784 drums were overpacked in Area C. Table 3-1 summarizes the drum recovery totals in Area C according to location.

The two main concentrated areas of drums in Area C (DC-22 and DC-27) were delineated and removed during the IRM. One of these areas, DC-22, was specified in Plate 1 of the contract documents. A total of 180 drums were recovered and overpacked at DC-22. The other area, designated DC-27, was not specified in the contract documents as a known drum cluster but was encountered during test trenching. A total of 351 drums were recovered and overpacked at DC-27. Three other drum disposal areas were also investigated during the IRM, designated DSC-1, 2, and 3 on the Record Drawing. Two of these (DSC-1 and DSC-2) areas were encountered along the main access road.

A total of eight 30-gallon drums containing waste oil, sludge and spent filters were also recovered. These drums, labelled "Kendall", were found on the surface of the landfill, directly south of the Aero Drive quonset hut, site of the former J&J Electric Company.

Area C requires extensive investigation to delineate known drum disposal areas discovered during the IRM through visual observation of surface drums and test trenching results. The test trenching findings are summarized in Section 3.7.

3.4.2 Drums Containing Low Level Radioactive Material

The Contractor encountered and overpacked a total of 15 drums that contained low level radioactive material. These drums were found in both Area B and Area C. A summary of these drums and there respective radiation readings are presented in Table 3-2.

3.5 Excavation and Storage of Contaminated Soils

Contaminated soils encountered and recovered onsite were staged in designated areas as indicated on the record drawing. The soils were covered with a woven HDPE fabric which was anchored into tie-in trenches excavated around the soil staging areas. Analytical results from soil samples are included in Table 3-4.

Area B

A total of 285 cubic yards of contaminated soil was removed and staged in Area B with the majority being recovered from drum clusters DC-9 and DC-14. The soils were encountered below buried drums which had leaked their contents into the underlying soils. The drum contents were typically a dark brown to black, viscous to solid phenolic waste. The visually contaminated soil was removed from the excavation, and transferred to the concrete staging pad and covered with poly sheeting as a temporary measure before eventually being covered with a woven HDPE Fabric.

Area C

A total of 155 cubic yards of contaminated soil was removed and staged in Area C. As was the case in Area B, the contaminated soil was encountered and removed around and below areas of buried, leaking drums. The soil was removed from drum clusters DC-22 (45 cu. yd.) and DC-27 (110 cu. yd.). The soils were staged near their source, in the eastern portion of Area C since the concrete staging pad constructed for soils was used to stage drums.

3.5.1 Findings and Remaining Work

Additional drum removal activities in both Area B and Area C (per Section 3.4.1) are likely to reveal areas of contaminated soils that would require delineation and removal. Additional soil removal required in Area C is specified below.

Area C

Additional contaminated soil delineation and removal is required at the southeast corner (DC-22) as indicated on the Record Drawing. The contaminated soil was encountered approximately 3 to 4 feet below ground level. The majority of the drums encountered at DC-22 (350 of 530 encountered) were crushed and empty increasing the likelihood of extensive soil contamination in this portion of Area C. Due to Contract time restraints, complete delineation and removal of contaminated soil at DC-22 during the IRM was waived after consultation with NYSDEC.

3.6 Collection, Storage and Disposal of Waste Water

Two types of waste water was handled during the IRM, water generated from decontamination activities and groundwater pumped from excavations.

All of the waste water was stored in modular holding tanks prior to transport offsite. After sampling and submittal of the analytical data to the Engineer for review the waste water was transported under a waste manifest to Cecos International, Inc. of Niagara Falls, New York for disposal. A total of 160,680 gallons of non-hazardous waste water was shipped offsite for disposal.

3.7 Test Trenching

Test trenching was conducted to locate and delineate drums, tars and related soil contamination. A summary of test trenching as ordered by the Engineer is included as Table 3-3. A total of 4,036 linear feet of trenching was performed during the IRM.

Trenching was also performed to establish a suitable location for the contract specified encapsulation cells. This trenching, performed in Area B, revealed unsuitable hydrological conditions (shallow water table) for construction of the encapsulation cells. The construction of the cells were therefore deleted from the IRM.

3.7.1 Findings and Remaining Work

Area B

Test trenching in Area B revealed the presence of predominantly municipal waste and construction and demolition debris. A total of five (5) drums were encountered in the test trenches performed in Area B.

Further test trenching within unknown and suspect areas, as indicated on the IRM Record Drawing, is required to characterize the waste in these portions of Area B.

Area C

Test trenching in Area C revealed several areas of concern, some of which were addressed during the IRM, others identified as requiring further investigation and remediation. As indicated on the IRM Record Drawing, virtually all of Area C requires additional investigation.

The Area C test trenching revealed two main sources of contamination: (1) scattered clusters of buried (and surface) drums and (2) buried tars. Further work is required to remediate these areas. The two sources are discussed below.

Area C test trenching that resulted in remedial measures implemented during the IRM included:

- Test trench TT #22 data resulting in the drum and soil removal at DC-27, and
- TT #23 data resulting in the partial removal of the buried tars.

Drum Sources

A summary of drums encountered in Area C test trenches is noted in the Description/Observation column of Table 3-3. In areas which required further delineation to determine their extent, drums were left in place.

Mounds of partially exposed surface drums exist within and around DC-19 and immediately north of the eastern end of test trench TT #21. These drums are situated within one of the suspect drum areas indicated on the IRM Record Drawing. Other surface drum clusters may exist.

Buried Tars

Area C test trenches TT #23, TT #25, and TT #30 confirmed the existence of buried tars south of the Aero Drive quonset hut. The suspected tar area is identified in Figure 2-2 of the Contract Documents. A complete discussion of tar removal operations and remaining work is presented in Section 3.8.

3.8 Excavation and Storage of Buried Tars

Test trenching in Area C revealed the existence of buried tars south of the Aero Drive quonset huts. A total of 111 cubic yards of tar stained material was removed from within and around TT #23 during the IRM. In this portion of the buried tar area, the tars were encountered six to eight feet below grade with an average thickness of two feet. The thickness of the tars appears to increase to the east. In some portions of the excavation the tars were covered with wood planking. The tar was intermixed with wood, insulation and other construction debris. The tars removed during the IRM are situated at are below the water table.

The excavated tars were staged in a bermed, HDPE lined containment area south of the excavation as indicated on the Record Drawing. The material was covered with a woven HDPE fabric and anchored into tie-in trenches.

A total of five drums, which were overpacked for sampling, containing a black glossy solid were encountered in the horizon above the tar at TT #23.

3.8.1 Findings and Remaining Work

Test trench data within the tar area were used to approximate the extent of the tars, which is indicated on the Record Drawing. The trenching identified a thickening of the tars to the east, approaching nearly 6 feet at the east side of suspected buried tar area (TT#30). Further eastward trenching was not possible due to a one foot thick layer of surface concrete. Tar thickness was two feet or less on the west side (TT #23). Assuming an average tar thickness of 3 feet, approximately 600 cubic yards of tar remain in the delineated area. It is possible that the tars may extend farther east, beneath test trench #25. Assuming a 5 foot thick layer of tar in this area, an additional 1500 cubic yards may exist, bringing the buried tar volume estimate to approximately 2,100 cubic yards.

3.9 Air Monitoring

Both real-time and documentation air monitoring were performed during the IRM. A discussion of each is presented below:

3.9.1 Documentation Air Monitoring

The Contractor performed an air monitoring program (AMP) in accordance with the HASP. The purpose of the AMP was to:

- determine the proper level of personnel protective equipment.
- document that the level of worker protection was adequate, and
- assess the migration of contaminants to off-site receptors as a result of site work.

The Contractor's AMP included real-time and documentation monitoring. Real-time air monitoring was performed to ascertain the proper level of personnel protection. Documentation monitoring, or perimeter sampling, entailed the collection of air samples at the site perimeter to determine if the IRM operations were affecting the quality of air beyond the site fenceline. Documentation sampling was performed two times per week at the working area perimeter based on conditions encountered (leaking drums, discolored soil, etc.) and/or as directed by the site Safety Officer.

Air sampling pumps were utilized to attain documentation samples for the following parameters:

- Semivolatiles by NIOSH Method 5517;
- Total nuisance dust by NIOSH Method 0500;
- PCB's by NYSDO4 Method 311-1 (for site perimeter monitoring) and NIOSH Method 5503 (for personnel monitoring).

Documentation air sampling was conducted at the site perimeter and within the active work zones on "high risk" personnel.

Site perimeter monitoring included daily sampling and analysis for PCB's, and total nuisance dust and semivolatiles conducted bi-weekly. It should be noted that PCB and semivolatile analysis was not specified in the Contract Documents. NYSDEC added PCB analysis and the contracted-specified total organic vapors testing was changed to semivolatiles. Site perimeter air monitoring involved collection of samples at one upwind location and three downwind locations. The PCB air monitoring results were submitted to NYSDEC within 24 hours of receipt from the Contractor's laboratory.

Documentation air sampling was also conducted on personnel within the active work zone twice a week. These individuals were monitored for total nuisance dust and semivolatiles.

Air monitoring samples were analyzed by Ecology and Environment, Inc. of Buffalo, New York.

3.9.2 Real Time Air Monitoring

The following real-time instruments were used during the IRM:

- Mini Aerosol Monitor (Mini-RAM) for the measurement of total particulates.
- Organic vapor photoionizer (HNu Model PI-101) for the measurement of organic vapors.

- Combination explosimeter/oxygen meter (MSA Model 260) for the measurement of explosive atmospheres and oxygen concentration.
- Radiation survey meter (Ludlum Model 3) for the measurement of alpha, beta and gamma radiation.

Real-time air monitoring was performed at the active work areas, and at the exclusion zones (upwind and downwind) to measure volatile organic vapors and dust. Monitoring was conducted on a continuous basis when work was being performed and at the site perimeter at one-hour intervals for volatile substances.

3.10 Sampling and Analysis

3.10.1 General

Sampling and analysis was performed in accordance to Section 00506 of the Contract Documents except where noted below. The Contractor submitted a Chemical Quality Assurance Sampling and Analysis Plan prior to commencement of work which was approved by NYSDEC. The results of the analytical testing are discussed in Section 4.0. Table 3-4 is a summary of the samples submitted for analysis during the IRM.

The Contractor utilized the following NYSDOH, ELAP, CLP certified laboratories:

- H2M Labs, Inc.
  Melville, New York

- Huntingdon Analytical Services (HAS)
  Middleport, New York
- Ecology and Environment, Inc.
  Buffalo, New York

The Contractor also utilized the following NYSDOH certified laboratory:

- Analytical Services Corporation (ASC), Findlay, Ohio

Ecology and Environment, Inc. performed analysis on air samples and wipe samples only, all other media was analyzed by H2M, HAS, or ASC or their subcontract laboratories.

The analytical data, with the exception of wipe sample results, was submitted to the Engineer for data review and validation.

3.10.2 Drummed Waste Sampling

The Contractor collected two 8 oz. samples from each overpack drum. Upon delivery to the Contractor's onsite laboratory, one sample was subjected to a waste characterization, the second sample was retained for compositing. Waste characterization involved testing for ignitability, pH, water solubility and reactivity, peroxides, sulfides, cyanides, oxidizers, physical state, and phase determination. The results of the on-site characterization were used to identify compatible waste streams.

Composite waste samples were collected from groups of ten compatible drums, and analyzed for full (RCRA) waste characterization as specified in Appendix C of the Contract Documents. In addition, some drum composite samples were also analyzed for dioxin/furan isomers. Drum waste composite analyses were performed by either H2M, HAS, or ASC laboratories. All of the drum samples were not composited and analyzed when site activity ceased in 2/93. ASC performed analytical work only on samples shipped from 10/31/93.

In an attempt to identify Potentially Responsible Parties (PRP's) a total of 32 drums were individually sampled by the Contractor, as ordered by the Engineer, and analyzed for full NYSDEC CLP parameters, including library searches. These samples were also subjected to full RCRA waste characterization, dioxin and furan analysis. A summary of the PRP samples is presented in Table 3-5.

3.10.3 Soil Sampling

The Contractor collected a total of eight soil samples during the IRM. These samples were collected from the bottom of excavations and from soil stockpiles. The samples were analyzed for CLP parameters, and/or dioxin and furan isomer. Table 3-6 includes the soil sample summary.

3.10.4 Water Sampling

The Contractor collected a total of 15 water samples. These were either groundwater samples from excavation dewatering, or decontamination water samples. The purpose of the water sampling and analysis was to determine the disposal fate of the water (i.e. hazardous or nonhazardous waste). The samples were analyzed for parameters of the NYSDEC Superfund Target Compound List and RCRA waste characterization per Appendix C, C-1.36 of the Contract Documents. Samples collected from the dewatering operations in the tar excavation area, and associated decontamination water, were also subjected to analysis for dioxin and furan isomers.

The first groundwater samples collected (samples W-001 through W-005) were analyzed to characterize the groundwater for onsite treatment considerations. Onsite treatment was considered due to the high water table encountered in the sump excavations for the decon, drum and soils pads (one foot below grade at one location). Treatment of water onsite was not necessary because of the adequacy to contain the groundwater in the 50,000 gallon holding pools.

3.10.5 Confirmatory Sampling

Confirmatory sampling was performed to document the effectiveness of the Contractors decontamination procedures. This included wipe samples of vehicles and heavy equipment that were used in the exclusion zone prior to their departure from the site. The Contractor provided a written certification of decontamination for each piece of equipment that left the site.

4.0 POTENTIAL RESPONSIBLE PARTIES

Considering the large number of drums found at the site, there were relatively few Potential Responsible Parties (PRPs) identified from drum labels and markings. Labeled or marked drums that contained waste material were sampled and subject to PRP specified analyses as discussed in Section 3.10.2. PRPs identified by drum labels are is presented in Table 4-1. Label bearing drums were photographed by the Engineer.

In addition to the PRP's indicated in Table 4-1, another PRP was identified by a triangular (or "pie-shaped") perforation found on the top of many drums. Durez Chemical of North Tonawanda, New York, now a division of OxyChem of Niagara Falls, New York, is believed to be the generator of these "pie-shaped cut" drums. Durez is the only known local manufacturer that utilized this unique drum perforating system to allow rapid filling. A total of 374 waste-containing drums bearing the pie-shaped cut were found and overpacked. Numerous empty drums also had the pie-shaped cuts. These particular drums were generally found throughout both Area B and Area C, with the highest concentration found at DC-27 in Area C which had 117 waste containing drums with pie-shaped cuts.

The material contained in the "pie-shaped" drums was typically a dark brown to black phenolic waste in varying physical states, ranging from a solid to a sludge, or tar. A total of ten drums containing a pie-shaped cut were subjected to the contract specific PRP analyses. A summary of the detected compounds for these samples is presented in Table 5-3.

In October 1993 eight companies agreed to cooperate under the terms of an Order on Consent signed with the NYSDEC. Major work elements covered under this consent order

included continued investigation of suspected drum areas, removal and disposal of drums overpacked and staged during the IRM, and excavation and offsite disposal of contaminated soil and phenolic tars.

5.0 IRM IMPLEMENTATION PROBLEMS AND DELAYS

5.1 Quality Assurance/Quality Control

The Contractor's analytical laboratories failed to meet the Contract turnaround time of 35 days for virtually every sample submitted. The only exception was the submittal of the water data (decon and leachate) which met the required turnaround time, except for the dioxin data. Dioxin data for all media sampled was submitted well over the 35 day turnaround, in some cases submitted to the Engineer for review 90 days after submittal to the laboratory.

A problem regarding submittal of analytical data was the Contractor's refusal to release a portion of the RCRA characteristic data for the drum composite samples after he was directed to leave all drums onsite. Some samples (COM 204 to COM 211) were initially submitted for dioxin/furan analysis only. Samples from 1190 drums were composited and analyzed per contract requirements until this time. The remaining drums were sampled and had onsite waste characterization performed, but were not submitted for laboratory analysis until 10/31/93 (COM 161 to COM 168 were composited onsite but not submitted for analysis until 10/31/93).

All samples sent for analysis on 10/31/93 were sent to ASC, who performed the compositing and subsequent analysis. COM 204 to COM 211 were re-made by ASC for the RCRA characteristic analysis. None of the ASC data was submitted within the 35 day turnaround time. All data was received by 8/2/94.

5.2 Construction Problems

The Contract documents originally estimated that 1500 drums, both full and crushed, were in the landfill, however, 4500 drums, 2928 full and 1619 crushed drums were actually recovered and secured. The recovery of the additional drums required construction of temporary

drum staging pads and additional sampling time. This problem, however, did not effect the project schedule because certain items were deleted from the contract.

6.0 CONTRACTOR DEFICIENCIES AND CORRECTIVE ACTIONS

6.1 Monitoring Well Damage and Corrective Action Taken

NYSDEC monitoring wells MW-2S and 2D were damaged by the Contractor during work at drum cluster DC-1, as documented in URS Deficiency Report #2. Monitoring well MW-2S was damaged beyond repair and MW-2D was repairable as determined by the Engineer after an inspection of the wells. The Contractor subcontracted Burlington Environmental, Inc. to repair the wells. Well MW-2S was replaced, and the original well abandoned in accordance with NYSDEC guidelines. Well MW-2D was repaired by excavating around the bent upper casing and replacing this upper portion with a new riser. Both the repair and replacement procedures were consistent with the original well construction specifications.

7.0 DOCUMENTATION OF IRM CONSTRUCTION ACTIVITIES

The Engineer, acting as a representative of the NYSDEC, was responsible for inspection and documentation of all portions of the Contractor's operations. Documentation included the preparation of daily inspection reports, field change orders, computer data bases, quantity tables, minutes of meetings and general correspondence. The Engineer also processed and filed all submittals from the Contractor.

Photographic records of the Contractors operations was made by the Engineer using still photography and video taping. All phases of the IRM including pre-construction and mobilization, removal activities and demobilization were recorded. Photography was also used to document PRP drums identified by labels or markings.

8.0 SUMMARY AND CONDITION OF REMAINING FACILITIES

At the end of the IRM project, the following facilities remain onsite:

- Four concrete staging pads with sumps, two in Area B and two in Area C,
- Two concrete decontamination pads with holding tanks, one in each Area,
- Temporary drum staging pads constructed of plywood, four in Area B and two in Area C,
- An electrical panel in Area B presently powering light fixtures located in the support zones in Area B and Area C and,
- Two fenced compounds, one in each Area, containing drums generated by CDM's RI field activities. The Area B compound predates the IRM, the Area C compound was established during the IRM.

The concrete staging areas were in good condition upon completion of the IRM.

Both decontamination pads were in good condition upon completion of the IRM. The only required maintenance is the installation of splash panels at both pads.

TABLES

LIST OF TABLES

TABLE 3-1A

PFOHL BROTHERS, BIDS OPENED: 3-10-1992

ENGINEERING ESTIMATE AND BID TABULATION

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	ENGINEER ESTIMATE AMOUNT	OHM REMEDIATION SERVICE		SEVENSON ENV. SERVICES	
						UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
OO501	SITE PREPARATION	L.S.	1		$410,000.00		$421,620.00		$605,550.00
OO502	SITE FACILIT.AND SERVICES,O&M	MONTH	7.5	$33,500.00	$251,250.00	$22,300.00	$167,250.00	$18,650.00	$139,875.00
OO503	DRUM REMOVAL AND DISPOSAL								
	PCB WASTES:								
A1.	<50 PPM	DRUM	80	$640.00	$51,200.00	$528.00	$42,240.00	$270.00	$21,600.00
A2.	50-500 PPM	DRUM	10	$960.00	$9,600.00	$969.00	$9,690.00	$320.00	$3,200.00
B1.	RCRA HAZ.MAT.DISPOSED OFF-SITE								
	DISPOSAL-LANDFILL	DRUM	150	$310.00	$46,500.00	$528.00	$79,200.00	$320.00	$48,000.00
B2.	RCRA HAZ.MAT.DISPOSED OFF-SITE								
	DISPOSAL-INCINERATION	DRUM	440	$810.00	$356,400.00	$852.00	$374,880.00	$670.00	$294,800.00
C.	DIOXIN/FURAN WASTE	DRUM	160	$195.00	$31,200.00	$353.00	$56,480.00	$160.00	$25,600.00
D.	LOW LEVEL RADIOACTIVE	DRUM	60	$1,500.00	$90,000.00	$549.00	$32,940.00	$160.00	$9,600.00
E.	ENCAPSULATED RECRA EMPTY DRUMS	DRUM	600	$21.00	$12,600.00	$131.00	$78,600.00	$25.00	$15,000.00
OO503.5.1	TEST TRENCH	C.Y.	2,000	$3.80	$7,600.00	$34.00	$68,000.00	$100.00	$200,000.00
OO504	EXCAVATED SOIL								
A.	TARS & DOXIN/FURAN CONT. SOIL	TONS	160	$180.00	$28,800.00	$78.00	$12,480.00	$60.00	$9,600.00
B.1	OTHER RCRA SOIL-OFF SITE LFILL	TONS	190	$420.00	$79,800.00	$285.00	$54,150.00	$230.00	$43,700.00
B.2	OTHER RCRA SOIL OFF-SITE INCIN.	TONS	130	$1,500.00	$195,000.00	$1,322.00	$171,860.00	$1,700.00	$221,000.00
C.	LOW LEVEL RADIOACTIVE SOIL	TONS	20	$1,100.00	$22,000.00	$4,052.00	$81,040.00	$60.00	$1,200.00
D.	HAZARDOUS AQUEOUS LIQUIDS	GAL	20,000	$0.85	$17,000.00	$0.68	$13,600.00	$2.40	$48,000.00
E.	NON HAZARDOUS AQUEOUS LIQUIDS	GAL	200,000	$0.45	$90,000.00	$0.57	$114,000.00	$0.60	$120,000.00
OO505	EARTHWORK								
A.1	ON-SITE COMMON FILL	C.Y.	1,638	$5.20	$8,517.60	$5.00	$8,190.00	$15.00	$24,570.00
A.2	OFF-SITE COMMON FILL	C.Y.	400	$12.00	$4,800.00	$12.65	$5,060.00	$25.00	$10,000.00
E.	SEED	S.F.	180,000	$0.21	$37,800.00	$0.06	$10,800.00	$0.07	$12,600.00
OO506	SAMPLING AND ANALYSIS								
A.	SOIL SAMPLES	SAMPLE	120	$2,100.00	$252,000.00	$1,310.00	$157,200.00	$1,500.00	$180,000.00
B1.	DIOXIN/FURAN SAMPLES-LIQUID	SAMPLE	20	$1,800.00	$36,000.00	$740.00	$14,800.00	$650.00	$13,000.00
B2.	DIOXIN/FURAN SAMPLES-SOLID	SAMPLE	60	$1,820.00	$109,200.00	$740.00	$44,400.00	$650.00	$39,000.00
C.	DRUM SAMPLING, IND.IDENTIF.	SAMPLE	60	$1,960.00	$117,600.00	$1,450.00	$87,000.00	$2,150.00	$129,000.00
OO507	ENCAPSULATION CELLS	C.Y.	280	$89.00	$24,920.00	$390.00	$109,200.00	$300.00	$84,000.00
OO508	HEALTH & SAFETY	MONTH	7	$32,500.00	$227,500.00	$11,000.00	$77,000.00	$25,000.00	$175,000.00
	TOTAL COST				$2,517,287.60		$2,291,680.00		$2,473,895.00

1 - Math error for bid #506B.2

2 - Altered bid item #503.2 - non-responsive

3 - Fax Bid - Rejected

TABLE 3-1A

PFOHL BROTHERS, BIDS OPENED: 3-10-1992

ENGINEERING ESTIMATE AND BID TABULATION

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	ENGINEER ESTIMATE AMOUNT	INTEGRATED WASTE SPECIAL		ENSR REMEDIATION & CONST.	
						UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
00501	SITE PREPARATION	L.S.	1		$410,000.00		$328,774.00		$458,886.00
00502	SITE FACILIT.AND SERVICES,O&M	MONTH	7.5	$33,500.00	$251,250.00	$3,000.00	$22,500.00	$14,826.00	$111,195.00
00503	DRUM REMOVAL AND DISPOSAL PCB WASTES:								
A1.	<50 PPM	DRUM	80	$640.00	$51,200.00	$382.00	$30,560.00	$357.00	$28,560.00
A2.	50-500 PPM	DRUM	10	$960.00	$9,600.00	$523.00	$5,230.00	$406.00	$4,060.00
B1.	RCRA HAZ.MAT.DISPOSED OFF-SITE DISPOSAL-LANDFILL	DRUM	150	$310.00	$46,500.00	$385.00	$57,750.00	$352.00	$52,800.00
B2.	RCRA HAZ.MAT.DISPOSED OFF-SITE DISPOSAL-INCINERATION	DRUM	440	$810.00	$356,400.00	$900.00	$396,000.00	$1,013.00	$445,720.00
C.	DIOXIN/FURAN WASTE	DRUM	160	$195.00	$31,200.00	$295.00	$47,200.00	$207.00	$33,120.00
D.	LOW LEVEL RADIOACTIVE	DRUM	60	$1,500.00	$90,000.00	$1,609.00	$96,540.00	$1,894.00	$113,640.00
E.	ENCAPSULATED RECRA EMPTY DRUMS	DRUM	600	$21.00	$12,600.00	$135.00	$81,000.00	$207.00	$124,200.00
00503.5.1	TEST TRENCH	C.Y.	2,000	$3.80	$7,600.00	$122.00	$244,000.00	$27.00	$54,000.00
00504	EXCAVATED SOIL								
A.	TARS & DOXIN/FURAN CONT. SOIL	TONS	160	$180.00	$28,800.00	$153.00	$24,480.00	$261.00	$41,760.00
B.1	OTHER RCRA SOIL-OFF SITE LFILL	TONS	190	$420.00	$79,800.00	$376.00	$71,440.00	$234.00	$44,460.00
B.2	OTHER RCRA SOIL OFF-SITE INCIN.	TONS	130	$1,500.00	$195,000.00	$3,255.00	$423,150.00	$1,335.00	$173,550.00
C.	LOW LEVEL RADIOACTIVE SOIL	TONS	20	$1,100.00	$22,000.00	$5,900.00	$118,000.00	$6,669.00	$133,380.00
D.	HAZARDOUS AQUEOUS LIQUIDS	GAL	20,000	$0.85	$17,000.00	$3.25	$65,000.00	$0.68	$13,600.00
E.	NON HAZARDOUS AQUEOUS LIQUIDS	GAL	200,000	$0.45	$90,000.00	$0.75	$150,000.00	$0.30	$60,000.00
00505	EARTHWORK								
A.1	ON-SITE COMMON FILL	C.Y.	1,638	$5.20	$8,517.60	$18.50	$30,303.00	$5.68	$9,303.84
A.2	OFF-SITE COMMON FILL	C.Y.	400	$12.00	$4,800.00	$24.50	$9,800.00	$14.21	$5,684.00
E.	SEED	S.F.	180,000	$0.21	$37,800.00	$0.08	$14,400.00	$0.04	$7,920.00
00506	SAMPLING AND ANALYSIS								
A.	SOIL SAMPLES	SAMPLE	120	$2,100.00	$252,000.00	$1,000.00	$120,000.00	$1,650.00	$198,000.00
B1.	DIOXIN/FURAN SAMPLES-LIQUID	SAMPLE	20	$1,800.00	$36,000.00	$1,200.00	$24,000.00	$1,060.00	$21,200.00
B2.	DIOXIN/FURAN SAMPLES-SOLID	SAMPLE	60	$1,820.00	$109,200.00	$1,200.00	$72,000.00	$1,060.00	$63,600.00
C.	DRUM SAMPLING, IND.IDENTIF.	SAMPLE	60	$1,960.00	$117,600.00	$500.00	$30,000.00	$2,039.00	$122,340.00
00507	ENCAPSULATION CELLS	C.Y.	280	$89.00	$24,920.00	$413.00	$115,640.00	$181.00	$50,680.00
00508	HEALTH & SAFETY	MONTH	7	$32,500.00	$227,500.00	$4,000.00	$28,000.00	$51,273.00	$358,911.00
	TOTAL COST				$2,517,287.60		$2,605,767.00		$2,730,569.84

1 - Math error for bid #506B.2

2 - Altered bid item #503.2 - non-responsive

3 - Fax Bid - Rejected

TABLE 3-1A

PFOHL BROTHERS, BIDS OPENED: 3-10-1992

ENGINEERING ESTIMATE AND BID TABULATION

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	ENGINEER ESTIMATE AMOUNT	ALLWASH OF SYRACUSE INC. 3 UNIT PRICE	ALLWASH OF SYRACUSE INC. 3 AMOUNT	WASTE ABATEMENT TECHNOLOGIE UNIT PRICE	WASTE ABATEMENT TECHNOLOGIE AMOUNT
OO501	SITE PREPARATION	L.S.	1		$410,000.00		$227,950.00		$374,786.73
OO502	SITE FACILIT.AND SERVICES,O&M	MONTH	7.5	$33,500.00	$251,250.00	$21,950.00	$164,625.00	$45,453.61	$340,902.08
OO503	DRUM REMOVAL AND DISPOSAL PCB WASTES:								
A1.	<50 PPM	DRUM	80	$640.00	$51,200.00	$545.00	$43,600.00	$411.21	$32,896.80
A2.	50-500 PPM	DRUM	10	$960.00	$9,600.00	$645.00	$6,450.00	$1,213.11	$12,131.10
B1.	RCRA HAZ.MAT.DISPOSED OFF-SITE DISPOSAL-LANDFILL	DRUM	150	$310.00	$46,500.00	$628.00	$94,200.00	$452.54	$67,881.00
B2.	RCRA HAZ.MAT.DISPOSED OFF-SITE DISPOSAL-INCINERATION	DRUM	440	$810.00	$356,400.00	$1,170.00	$514,800.00	$977.11	$429,928.40
C.	DIOXIN/FURAN WASTE	DRUM	160	$195.00	$31,200.00	$450.00	$72,000.00	$182.57	$29,211.20
D.	LOW LEVEL RADIOACTIVE	DRUM	60	$1,500.00	$90,000.00	$2,175.00	$130,500.00	$2,400.68	$144,040.80
E.	ENCAPSULATED RECRA EMPTY DRUMS	DRUM	600	$21.00	$12,600.00	$85.00	$51,000.00	$16.57	$9,942.00
OO503.5.1	TEST TRENCH	C.Y.	2,000	$3.80	$7,600.00	$63.00	$126,000.00	$2.65	$5,300.00
OO504	EXCAVATED SOIL								
A.	TARS & DOXIN/FURAN CONT. SOIL	TONS	160	$180.00	$28,800.00	$238.00	$38,080.00	$281.18	$44,988.80
B.1	OTHER RCRA SOIL-OFF SITE LFILL	TONS	190	$420.00	$79,800.00	$530.00	$100,700.00	$465.34	$88,414.60
B.2	OTHER RCRA SOIL OFF-SITE INCIN.	TONS	130	$1,500.00	$195,000.00	$2,130.00	$276,900.00	$2,114.63	$274,901.90
C.	LOW LEVEL RADIOACTIVE SOIL	TONS	20	$1,100.00	$22,000.00	$2,420.00	$48,400.00	$7,712.08	$154,241.60
D.	HAZARDOUS AQUEOUS LIQUIDS	GAL	20,000	$0.85	$17,000.00	$3.25	$65,000.00	$2.47	$49,300.00
E.	NON HAZARDOUS AQUEOUS LIQUIDS	GAL	200,000	$0.45	$90,000.00	$1.00	$200,000.00	$0.89	$178,400.00
OO505	EARTHWORK								
A.1	ON-SITE COMMON FILL	C.Y.	1,638	$5.20	$8,517.60	$30.50	$49,959.00	$1.18	$1,932.84
A.2	OFF-SITE COMMON FILL	C.Y.	400	$12.00	$4,800.00	$42.25	$16,900.00	$17.63	$7,052.00
E.	SEED	S.F.	180,000	$0.21	$37,800.00	$0.05	$9,000.00	$0.04	$7,200.00
OO506	SAMPLING AND ANALYSIS								
A.	SOIL SAMPLES	SAMPLE	120	$2,100.00	$252,000.00	$1,468.00	$176,160.00	$1,552.49	$186,298.80
B1.	DIOXIN/FURAN SAMPLES-LIQUID	SAMPLE	20	$1,800.00	$36,000.00	$1,210.00	$24,200.00	$1,573.79	$31,475.80
B2.	DIOXIN/FURAN SAMPLES-SOLID	SAMPLE	60	$1,820.00	$109,200.00	$1,210.00	$72,600.00	$1,573.79	$94,427.40
C.	DRUM SAMPLING, IND.IDENTIF.	SAMPLE	60	$1,960.00	$117,600.00	$3,710.00	$222,600.00	$3,874.83	$232,489.80
OO507	ENCAPSULATION CELLS	C.Y.	280	$89.00	$24,920.00	$252.00	$70,560.00	$564.97	$158,191.60
OO508	HEALTH & SAFETY	MONTH	7	$32,500.00	$227,500.00	$32,650.00	$228,550.00	$40,295.31	$282,067.17
	TOTAL COST				$2,517,287.60		$3,030,734.00		$3,238,402.42

1 - Math error for bid #506B.2

2 - Altered bid item #503.2 - non-responsive

3 - Fax Bid - Rejected

TABLE 3-1A

PFOHL BROTHERS, BIDS OPENED: 3-10-1992

ENGINEERING ESTIMATE AND BID TABULATION

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	ENGINEER ESTIMATE AMOUNT	OBG TECHNICAL SERVICES 1 ²		ROY F. WESTON INC.	
						UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
OO501	SITE PREPARATION	L.S.	1		$410,000.00		$297,050.00		$431,427.00
OO502	SITE FACILIT.AND SERVICES,O&M	MONTH	7.5	$33,500.00	$251,250.00	$123,418.00	$925,635.00	$55,085.25	$413,139.38
OO503	DRUM REMOVAL AND DISPOSAL PCB WASTES:								
A1.	<50 PPM	DRUM	80	$640.00	$51,200.00	$593.00	$47,440.00	$580.00	$46,400.00
A2.	50-500 PPM	DRUM	10	$960.00	$9,600.00	$593.00	$5,930.00	$1,555.00	$15,550.00
B1.	RCRA HAZ.MAT.DISPOSED OFF-SITE DISPOSAL-LANDFILL	DRUM	150	$310.00	$46,500.00	$544.00	$81,600.00	$452.00	$67,800.00
B2.	RCRA HAZ.MAT.DISPOSED OFF-SITE DISPOSAL-INCINERATION	DRUM	440	$810.00	$356,400.00		$405,460.00	$1,385.00	$609,400.00
C.	DIOXIN/FURAN WASTE	DRUM	160	$195.00	$31,200.00	$532.40	$85,184.00	$301.00	$48,160.00
D.	LOW LEVEL RADIOACTIVE	DRUM	60	$1,500.00	$90,000.00	$1,704.00	$102,240.00	$1,799.00	$107,940.00
E.	ENCAPSULATED RECRA EMPTY DRUMS	DRUM	600	$21.00	$12,600.00	$10.00	$6,000.00	$300.00	$180,000.00
OO503.5.1	TEST TRENCH	C.Y.	2,000	$3.80	$7,600.00	$15.80	$31,600.00	$15.70	$31,400.00
OO504	EXCAVATED SOIL								
A.	TARS & DOXIN/FURAN CONT. SOIL	TONS	160	$180.00	$28,800.00	$130.00	$20,800.00	$98.00	$15,680.00
B.1	OTHER RCRA SOIL-OFF SITE LFILL	TONS	190	$420.00	$79,800.00	$278.00	$52,820.00	$370.00	$70,300.00
B.2	OTHER RCRA SOIL OFF-SITE INCIN.	TONS	130	$1,500.00	$195,000.00	$992.00	$128,960.00	$1,456.00	$189,280.00
C.	LOW LEVEL RADIOACTIVE SOIL	TONS	20	$1,100.00	$22,000.00	$6,474.00	$129,480.00	$6,008.00	$120,160.00
D.	HAZARDOUS AQUEOUS LIQUIDS	GAL	20,000	$0.85	$17,000.00	$0.78	$15,600.00	$13.70	$274,000.00
E.	NON HAZARDOUS AQUEOUS LIQUIDS	GAL	200,000	$0.45	$90,000.00	$0.37	$74,000.00	$1.00	$200,000.00
OO505	EARTHWORK								
A.1	ON-SITE COMMON FILL	C.Y.	1,638	$5.20	$8,517.60	$4.10	$6,715.80	$15.89	$26,027.82
A.2	OFF-SITE COMMON FILL	C.Y.	400	$12.00	$4,800.00	$9.00	$3,600.00	$25.45	$10,180.00
E.	SEED	S.F.	180,000	$0.21	$37,800.00	$0.79	$142,200.00	$0.04	$7,200.00
OO506	SAMPLING AND ANALYSIS								
A.	SOIL SAMPLES	SAMPLE	120	$2,100.00	$252,000.00	$2,389.00	$286,680.00	$1,520.00	$182,400.00
B1.	DIOXIN/FURAN SAMPLES-LIQUID	SAMPLE	20	$1,800.00	$36,000.00	$1,331.00	$26,620.00	$1,050.00	$21,000.00
B2.	DIOXIN/FURAN SAMPLES-SOLID	SAMPLE	60	$1,820.00	$109,200.00	$1,331.00	$79,860.00	$1,050.00	$63,000.00
C.	DRUM SAMPLING, IND.IDENTIF.	SAMPLE	60	$1,960.00	$117,600.00	$4,114.00	$246,840.00	$4,753.00	$285,180.00
OO507	ENCAPSULATION CELLS	C.Y.	280	$89.00	$24,920.00	$29.00	$8,120.00	$359.55	$100,674.00
OO508	HEALTH & SAFETY	MONTH	7	$32,500.00	$227,500.00	$34,575.00	$242,025.00	$52,321.54	$366,250.78
	TOTAL COST				$2,517,287.60		$3,452,459.80		$3,882,548.98

1 - Math error for bid #506B.2

² - Altered bid item #503.2 - non-responsive

3 - Fax Bid - Rejected

TABLE 3-1A

PFOHL BROTHERS, BIDS OPENED: 3-10-1992

ENGINEERING ESTIMATE AND BID TABULATION

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	ENGINEER ESTIMATE AMOUNT	LAIDLAW ENV. SERVICES UNIT PRICE	LAIDLAW ENV. SERVICES AMOUNT	THERMOCOR INC. UNIT PRICE	THERMOCOR INC. AMOUNT
OO501	SITE PREPARATION	L.S.	1		$410,000.00		$308,610.00		$334,000.00
OO502	SITE FACILIT.AND SERVICES,O&M	MONTH	7.5	$33,500.00	$251,250.00	$181,150.00	$1,358,625.00	$59,000.00	$442,500.00
OO503	DRUM REMOVAL AND DISPOSAL PCB WASTES:								
A1.	<50 PPM	DRUM	80	$640.00	$51,200.00	$555.00	$44,400.00	$670.00	$53,600.00
A2.	50-500 PPM	DRUM	10	$960.00	$9,600.00	$1,140.00	$11,400.00	$670.00	$6,700.00
B1.	RCRA HAZ.MAT.DISPOSED OFF-SITE DISPOSAL-LANDFILL	DRUM	150	$310.00	$46,500.00	$500.00	$75,000.00	$600.00	$90,000.00
B2.	RCRA HAZ.MAT.DISPOSED OFF-SITE DISPOSAL-INCINERATION	DRUM	440	$810.00	$356,400.00	$1,130.00	$497,200.00	$1,400.00	$616,000.00
C.	DIOXIN/FURAN WASTE	DRUM	160	$195.00	$31,200.00	$345.00	$55,200.00	$850.00	$136,000.00
D.	LOW LEVEL RADIOACTIVE	DRUM	60	$1,500.00	$90,000.00	$1,200.00	$72,000.00	$2,400.00	$144,000.00
E.	ENCAPSULATED RECRA EMPTY DRUMS	DRUM	600	$21.00	$12,600.00	$3.50	$2,100.00	$250.00	$150,000.00
OO503.5.1	TEST TRENCH	C.Y.	2,000	$3.80	$7,600.00	$15.50	$31,000.00	$54.00	$108,000.00
OO504	EXCAVATED SOIL								
A.	TARS & DOXIN/FURAN CONT. SOIL	TONS	160	$180.00	$28,800.00	$63.25	$10,120.00	$280.00	$44,800.00
B.1	OTHER RCRA SOIL-OFF SITE LFILL	TONS	190	$420.00	$79,800.00	$440.00	$83,600.00	$600.00	$114,000.00
B.2	OTHER RCRA SOIL OFF-SITE INCIN.	TONS	130	$1,500.00	$195,000.00	$1,850.00	$240,500.00	$2,600.00	$338,000.00
C.	LOW LEVEL RADIOACTIVE SOIL	TONS	20	$1,100.00	$22,000.00	$2,600.00	$52,000.00	$7,800.00	$156,000.00
D.	HAZARDOUS AQUEOUS LIQUIDS	GAL	20,000	$0.85	$17,000.00	$1.65	$33,000.00	$5.00	$100,000.00
E.	NON HAZARDOUS AQUEOUS LIQUIDS	GAL	200,000	$0.45	$90,000.00	$0.50	$100,000.00	$1.40	$280,000.00
OO505	EARTHWORK								
A.1	ON-SITE COMMON FILL	C.Y.	1,638	$5.20	$8,517.60	$6.90	$11,302.20	$50.00	$81,900.00
A.2	OFF-SITE COMMON FILL	C.Y.	400	$12.00	$4,800.00	$16.60	$6,640.00	$50.00	$20,000.00
E.	SEED	S.F.	180,000	$0.21	$37,800.00	$0.10	$18,000.00	$0.10	$18,000.00
OO506	SAMPLING AND ANALYSIS								
A.	SOIL SAMPLES	SAMPLE	120	$2,100.00	$252,000.00	$3,300.00	$396,000.00	$2,026.00	$243,120.00
B1.	DIOXIN/FURAN SAMPLES-LIQUID	SAMPLE	20	$1,800.00	$36,000.00	$2,750.00	$55,000.00	$1,700.00	$34,000.00
B2.	DIOXIN/FURAN SAMPLES-SOLID	SAMPLE	60	$1,820.00	$109,200.00	$2,750.00	$165,000.00	$1,700.00	$102,000.00
C.	DRUM SAMPLING, IND.IDENTIF.	SAMPLE	60	$1,960.00	$117,600.00	$3,850.00	$231,000.00	$2,070.00	$124,200.00
OO507	ENCAPSULATION CELLS	C.Y.	280	$89.00	$24,920.00	$50.00	$14,000.00	$480.00	$134,400.00
OO508	HEALTH & SAFETY	MONTH	7	$32,500.00	$227,500.00	$50,375.00	$352,625.00	$64,300.00	$450,100.00
	TOTAL COST				$2,517,287.60		$4,224,322.20		$4,321,320.00

1 - Math error for bid #506B.2

2 - Altered bid item #503.2 - non-responsive

3 - Fax Bid - Rejected

TABLE 3-1

DRUM RECOVERY TOTALS - AREA B AND C

Location Area B	Area	Logged for Overpack	Empty Drums	Drum Total
DC-1		0	1	1
DC-2		1	9	10
DC-3		4	5	9
DC-4		6	12	18
DC-5		69	62	131
DC-6		22	17	39
DC-7		0	0	0
DC-8		1	0	1
DC-9		670	127	797
DC-10		197	51	248
DC-11		0	0	0
DC-12		0	0	0
DC-13		75	0	75
DC-14		544	229	773
DC-24		362	9	371
DC-25		15	33	48
DC-26		12	0	12
Drum Sweep B		166	0	166
AREA B - SUBTOTAL		2144	555	2699
Location Area C		Logged for Overpack	Empty Drums	Drum Total
DC-18		5	0	0
DC-22		180	350	530
DC-27		351	93	444
Drum Sweep C		248	621	861
AREA C - SUBTOTAL		784	1064	1835
TOTAL B AND C		2928	1619	4534

Table 3-2
Pfohl Brothers Landfill IRM
Radiation Survey of Overpacked Drums

Drum Log #	Location	Radiation Reading Before Overpacking(CPM)	Radiation Reading 1 Foot from sidewall of Overpack (mREM/hr)	Radiation Reading Directy Above (<2") Overpack (mREM/hr)
2102-DSB	Easternmost Area B Drum Pad (Plywood Constr.)	400	0.06	0.06
2103-DSB	Easternmost Area B Drum Pad (Plywood Constr.)	400	BG	BG
2104-DSB	Easternmost Area B Drum Pad (Plywood Constr.)	600	BG	BG
2105-DSB	Easternmost Area B Drum Pad (Plywood Constr.)	600	BG	BG
2106-DSB	Easternmost Area B Drum Pad (Plywood Constr.)	250	BG	BG
2335-DSC	Area C Concrete Drum Pad	300	BG	BG
2470-DC27	Area C Concrete Drum Pad	90	BG	BG
2471-DC27	Area C Concrete Drum Pad	60	BG	BG
2488-DC27	Area C Concrete Soils Pad	90	BG	BG
2489-DC27	Area C Concrete Soils Pad	60	BG	BG
2490-DC27	Area C Concrete Soils Pad	90	BG	BG
2540-DC27	Area C Concrete Soils Pad	60	BG	BG
2542-DC27	Area C Concrete Drum Pad	70	BG	BG
2543-DC27	Area C Concrete Soils Pad	70	BG	BG
2593-DC27	Area C Concrete Drum Pad	60	BG	BG

CDM Drums in fenced in compound[1]

		Distance from Drum (ft)*					
Drum #	Location	8	6	2	1	0.5	0.1
#6	Fenced Drum Compound	BG	0.06	0.18	0.25	0.4	0.5
#7	Fenced Drum Compound	BG	0.06	0.18	0.25	1.2	5.0

NOTE: Radiation readings recorded in mREM/hr with a Ludlum Model 2 survey meter equipped with a Model 44-9 detector.

BG - Background (.05 mREM/hr or 30 CPM) as determined by OHM during initial survey (7/6-9/92).

CPM - Counts per minute.

* - From sidewall of drum

[1] - Located by CDM during the 1990 RI.

Table 3-3
Summary of Test Trenching as Ordered by the Engineer

REASON	ID	LOCATION	GRID	DATE	DIMENSIONS WxDxL	VOLUME	DESCRIPTION/OBSERVATIONS
Encapsulation cell	Test Trench #1	Station #1 Station #2 Area "B"	AM, 24	27/Aug/92 27/Aug/92	3'x15'x15' 3'x16'x15'	25.00 26.67	Ash, glass, C&D, ground unstable water at 10' clay at 16'
Encapsulation cell	Test Trench #2	Area "B"	AN, 23	27/Aug/92	3'x16'x30'	53.33	Ash, glass, C&D, ground unstable water at 10' clay at 16'
Encapsulation cell	Test Trench #3	Area "B"	AF, 29	27/Aug/92	3'x10'x100'	111.11	Ash, glass, C&D, ground unstable water at ~3'
Exploratory trench	Test Trench #4	Area "B" East Berm	AF, 57-59	/Sept/92	3'x10'x120'	133.33	Ash, glass, C&D, ground unstable water at ~5'
Exploratory trench	Test Trench #5	Area "B" East Berm	AH, 58-59	/Sept/92	3'x10'x80'	88.89	Ash, glass, C&D, ground unstable water at ~5'
Encapsulation cell	Test Trench #6	Area "B" CDM TP-26	AE, 42	15/SEPT/92	3'x10'x20'	22.22	Ash, glass, C&D, ground unstable water at 4'. Clay at 10'
Encapsulation cell	Test Trench #7	Area "B"	AE, 44	15/SEPT/92	3'x10'x14'	15.56	Ash, glass, C&D, ground unstable water at ~4' Clay at 10' (One drum encountered.)
Encapsulation cell	Test Trench #8	Area "B"	AE, 46	15/SEPT/92	3'x10'x10'	11.11	Ash, glass, C&D, ground unstable water at 4' Clay at 9'
Encapsulation cell	Test Trench #9	Area "B" CDM TP-26	AE, 41	15/SEPT/92	3'x10'x12'	13.33	Ash, glass, C&D, ground unstable water at 4' Clay at 9-12'
Drum Cluster Delineation	Test Trench #10	DC-7 Area "B"	AW, 38	17/SEPT/92	3'x6'x12'	8.00	Ash, glass, C&D, ground unstable water at ~2'
Drum Cluster Delineation	Test Trench #11	DC-7 Area "B"	AX, 38	17/SEPT/92	3'x6'x14'	9.33	Ash, glass, C&D, ground unstable water at ~2'
Drum Cluster Delineation	Test Trench #12	DC-7 Area "B"	AY, 36	17/SEPT/92	3'x6'x11'	7.33	Ash, glass, C&D, ground unstable water at ~2'
Drum Cluster Delineation	Test Trench #13	DC-8 Area "B"	AY,26-27	17/SEPT/92	3'x6'x105'	70.00	Ash, glass, C&D, ground unstable water at ~3'
Suspicious Mound	Test Trench #14	Area "B"	AT, 20	5/NOV/92	3'x8'x9' 3'x3'x23'	8.00 7.67	Clay to a depth of 8', Fill below
Exploratory Trench	Test Trench #15	Area "B" NW Corner	AAF, 8-9	6/NOV/92	3'x3'x38'	12.67	Spotty groundwater at ~3'. One MT drum.
Exploratory Trench	Test Trench #16	Area "B" NW Corner	AAF, 8	6/NOV/92	3'x3'x19'	6.33	Clay at 3'. One exposed drum with waste.
Exploratory Trench	Test Trench #17	Area "B" NW Corner	AAE, 8	6/NOV/92	3'x3'x21'	7.00	No drums, fill to 3'.

Table 3-3
Summary of Test Trenching as Ordered by the Engineer

REASON	ID	LOCATION	GRID	DATE	DIMENSIONS WxDxL	VOLUME	DESCRIPTION/OBSERVATIONS
Exploratory Trench	Test Trench #18	Area "B" NW Corner	AAC, 9	6/NOV/92	3'x3'x48'	16.00	Two MT drums, Fill to 3'.
Exploratory Trench	Test Trench #19	Area "B" NW Corner	AAE, 11	6/NOV/92	3'x3'x31'	10.33	Two drums, one w/black waste Clay at 3'.
Exploratory Trench	Test Trench #20	Area "C" East Berm (DC-23)	Q, 58 South to H, 52	15/DEC/92	3'x3'x44' 3'x5'x39' 3'x8'x50' 3'x2'x15'	98.00 21.67 44.44 3.33	Fill depth: 2-9' increases to the south, spotty groundwater at 9' at south end. Approximately 10 drums encountered within DC-23. One drum (2335) contained a low level (300 cpm) radioactive material.
Exploratory Trench	Test Trench #21	Area "C"	R, 32 East to U, 45	16/DEC/92	3'x2'x679'	150.89	Refuse fill (domestic & industrial) from west end (Grid 32-R) to grid 42-U. Clay and concrete fill to east end. Two (2) drums containing black solid encountered at grids 33,34-R. Four (4) drums encountered below site road Grid 40,41-T). One of these drums had a pie shaped cut.
Exploratory Trench	Test Trench #22 (Southernly delineation from CDM TP-#11)	Area "C" (Southernly delineation from CDM TP-11)	U, 48 South to S, 47	17/DEC/92	3'x5'x118 3'x5'x41' 3'x5'x79	65.56 22.78 43.89	Large concentrations of drums encountered at southern end of trench. Later designated DC-27. An enstimated 50 drums slated for removal.
Exploratory Trench	Test Trench #23 (Suspected Tar Pit Area)	Area "C" (Suspected tar pit)	X, 43 & 44	17/DEC/92	3'x5'x69' 3'x5'x40'	38.33 22.22	Black fine grained material at 4' depth. Appears to be dioxin tar deposits. Lateral extent not delineated due to groundwater at 4.5'. Eight drums containing a black tarry waste encountered in trench.
Exploratory Trench	Test Trench #24 (Delineation of drums encoun-tered in CDM TP-#22)	Area "C" (Delineation of CDM TP-22)	O & P, 40 & 41	21/DEC/92	3'x2'x66' 3'x2'x52' 3'x2'x72' 3'x6'x10'	14.67 11.56 16.00 6.67	Approximately ten (10) drums containing a black solid to tarry material encountered (south of TP-22).
Exploratory Trench	Test Trench #25	Area "C" (Northernly delineation of TP-11)	U, 47 NW to X, 44	21/DEC/92	3'x4'x121' 3'x4'x108'	53.78 48.00	Approximately 12 drums containing black solid to tarry material encountered in trench south of Quanset hut fence. Exposed drums on north face of this trench. Trace amount of brown floating product on groundwater. Groundwater at 3'. 25 drums subsequently overpacked.
Drum Cluster Delineation	DC-18	Area "C"	S, 26	18/DEC/92	3'x2'x134'	29.78	Six (6) drums encountered in SE corner. Drums overpacked.
Drum Cluster Delineation	DC-19	Area "C"	M, 30 South to I, 30	18/DEC/92 and 20/DEC/92	3'x2'x248'	55.11	Encountered approximately 10 drums, concentrated at south end of trench. Also just east of trench.
Drum Cluster Delineation	DC-20	Area "C"	U, 31 & 32	18/DEC/92	3'x2'x230'	51.11	Encounter approximately twelve (12) drums in NE corner that contained a black shiny solid (typical solidified tar).

Table 3-3
Summary of Test Trenching as Ordered by the Engineer

REASON	ID	LOCATION	GRID	DATE	DIMENSIONS WxDxL	VOLUME	DESCRIPTION/OBSERVATIONS
Exploratory Trench (J. White recommendation)	Test Trench #26	Area "C"	Z, 48 South to W, 48	21/JAN/93	3'x2'x100'	22.22	Three separate trenches east of Aero Drive Quonset hut. Native material with the exception of a 35' section directly east of the small metal frame building. No drums encountered. Material was a light brown silty clay.
Exploratory Trench (NE delineation of DC-27)	Test Trench #27	Area "C"	W, 51 North to X, 51	21/JAN/93	3'x2'x51'	11.33	Fill to grid X, 51. Native material from here north. No drums encountered. Groundwater 1' below grade.
Exploratory Trench (J. White recommendation)	Test Trench #28	Area "C"	Q, 49 West to P, 44	25/JAN/93	3'x13'x10' 3'x9'x168' 3'x13'x19'	14.44 168.00 25.55	Concrete and clay (light brown) fill over a black older refuse type fill (cinders, bottles and soil). Concrete and clay fill thins to the west from 9' to 3'. Groundwater at ~12' below grade. Three (3) drums encountered and overpacked. A grey greasy waste encountered in two of the three drums. Drums encountered 4-5' below grade at grid Q, 46.
Exploratory Trench	Test Trench #29	Area "C"	V, 40 South to T, 41	25/JAN/93	3'x3'x150'	50.00	Trench contained mainly industrial waste; (rubber, plastic) and black fine grained material. Some of this material had PID readings of 15 ppm. A sample of this material was taken on 01/26/93, designated S-170. No drums found in this trench.
Tar Pit Delineation Trenches	Test Trench #30	Area "C"	Grids 45 and 46 W and V	5/FEB/93	3'x3'x54'	18.00	Northern most east-west trench. Tars at ~3' below grade, shallower at east end at edge of concrete. 5 ppm on Hnu at east end.
" "	" "	" "	" "	" "	3'x8'x64'	56.89	North-South trench adjacent to tar removal area. Tar 7' to 9', natural (clay) at 9'. Product on groundwater.
" "	" "	" "	" "	" "	3'x7'x35'	27.22	East-West trench due east of heavily contaminated area that was remediated. Tars 5-7'. Gray clay at 7'.
" "	" "	" "	" "	" "	3'x8'x21'	18.67	Clay at 7'. No tars.
" "	" "	" "	" "	" "	3'x5'x9'		Tars 4-9'. Gray clay at 9'.
				TOTAL	4036 LF	1873.330 CY	

Volume is in yds³

TABLE 3-4
PFOHL BROTHERS LANDFILL
SUMMARY OF SAMPLES SUBMITTED FOR ANALYSIS

COMPOSITE NUMBER	SAMPLE NUMBERS	ANALYTICAL SCHEDULE	URS BOOK NUMBER	SAMPLE DESCRIPTION/LOCATION	DATE SENT OUT	DATE RECEIVED	DATE ACCEPTED/REJECTED	ACCEPTED/REJECTED * REASON
	W-001	F	001	Waters	8-18-92	8-31-92	9/8/92	ACCEPTED
	W-002	F	001	Waters	8-18-92	8-31-92	9/8/92	ACCEPTED
	W-003	F	001	Waters	8-18-92	8-31-92	10/27/92	ACCEPTED
	W-004	F	001	Waters	8-18-92	8-31-92	10/27/92	ACCEPTED
	W-005	F	001	Waters	8-18-92	8-31-92	10/27/92	ACCEPTED
	W-006	F	002	BP-01	10-14-92	10-22-92	10/27/92	ACCEPTED
	W-007	F	002	BP-02	10-14-92	10-22-92	10/27/92	ACCEPTED
	PRP-008	A	004	023-DC5	10-20-92	12-3-92	1/30/95	ACCEPTED
	PRP-009	A	004	024-DC5	10-20-92	12-3-92	1/30/95	ACCEPTED
	PRP-009	A	004A	024-DC5	10-20-92	2/9/93	2/23/93	ACCEPTED - metals only
	PRP-009	D	003	024-DC5	10-20-92	12-3-92	1/30/95	Detection limits not as per Method 8280
	PRP-009	D	003A	024-DC5	10-20-92	2/9/93	1/30/95	Detection limits not as per Method 8280
	PRP-010	A	004	091-DC9	10-20-92	12-3-92	1/30/95	ACCEPTED
	PRP-010	A	004A	091-DC9	10-20-92	2/9/93	2/23/93	ACCEPTED - metals only
	PRP-010	D	003	091-DC9	10-20-92	12-3-92	1/30/95	ACCEPTED
	PRP-010	D	003A	091-DC9	10-20-92	2/9/93	1/30/95	ACCEPTED
	PRP-011	A	004	578-DC14	10-20-92	12-3-92	1/30/95	ACCEPTED
	PRP-011	B	004A	578-DC14	10-20-92	2/9/93	2/23/93	ACCEPTED - metals only
	PRP-011	D	003	578-DC14	10-20-92	12-3-92	1/30/95	Detection limits not as per Method 8280
	PRP-011	D	003A	578-DC14	10-20-92	2/9/93	1/30/95	Detection limits not as per Method 8280
	PRP-008, 009, 010, 011	B	007	Resampled for TCLP/RCRA	11-24-92	12-22-92	10/6/93	ACCEPTED
	S-012, 013, 014	A	004	DC-14(Lab Composite)	10-20-92	12-3-92	1/30/95	ACCEPTED
	S-012, 013, 014	D	003A	DC-14(Lab Composite)	10-20-92	12-3-92	1/30/95	ACCEPTED
	S-015	NA	NA	DC-14 Analytical Cancelled 10/21/92	10-20-92	NA	NA	NA
	S-016	A	004	DC-09	10-22-92	12-3-92	1/30/95	ACCEPTED
	S-016	A	004A	DC-09	10-22-92	2/9/93	2/23/93	ACCEPTED - metals only
	S-016	D	003	DC-09	10-22-92	12-3-92	1/30/95	Detection limits not as per Method 8280
	WP-017	G	NA	Wipe Sample from Case 1080	10-29-92	10/30/92	NA	NA
	WP-018	G	NA	Wipe Sample from Komatsu PL200	11/5/92	11/6/92	NA	NA
	S-020	D	003	SOILS STAGING PAD "B" - DIOXINS ONLY	11-10-92	12-3-92	1/30/95	ACCEPTED
	PRP-021	A	006	094-DC9	11-10-92	12-18-92	2/8/93	Pest/PCB reextraction exceeded holding time
	PRP-021	A	004A	094-DC9	11-10-92	2/9/93	2/23/93	ACCEPTED - metals only
	PRP-021	B	008	094-DC9	11-10-92	12-28-92	10/6/93	ACCEPTED
	PRP-021	D	003	094-DC9	11-10-92	12-3-92	1/30/95	ACCEPTED
	PRP-022	A	006	095-DC9	11-10-92	12-18-92	2/8/93	ACCEPTED
	PRP-022	A	004A	095-DC9	11-10-92	2/9/93	2/8/93	ACCEPTED - metals only
	PRP-022	B	008	095-DC9	11-10-92	12-28-92	10/6/93	ACCEPTED
	PRP-022	D	003	095-DC9	11-10-92	12-3-92	1/30/95	ACCEPTED
	WP-026	G	NA	Wipe Sample from I/R Roller	11/11/92	11/12/92	NA	NA
	WP-027	G	NA	Wipe Sample from OHM PU truck	11/20/92	NA	NA	NA
	WP-028	G	NA	Wipe Sample from D4 Dozer	NA	NA	NA	NA
	W-029	F	005	BP-03	11-24-92	12-14-92	12/2/92	ACCEPTED
COM-030		B	010	017, 021, 028, 029, 070, 072, 076, 092, 094, 155	12-1-92	1-21-93	6/7/93	ACCEPTED
COM-030		C/E	012/051	017, 021, 028, 029, 070, 072, 076, 092, 094, 155	12-1-92	2-4-93/6-2-93	6-3-93/12-8-94	ACCEPTED
COM-030		D	013	017, 021, 028, 029, 070, 072, 076, 092, 094, 155	12-1-92	2-4-93	5/6/93	ACCEPTED
COM-030		D	013A	017, 021, 028, 029, 070, 072, 076, 092, 094, 155	12-1-92	4/13/93	5/6/93	ACCEPTED
COM-031		B	010	105, 194, 198, 207, 210, 213, 214, 217, 219, 222	12-1-92	1-21-93	6/7/93	ACCEPTED
COM-031		C/E	012/051	105, 194, 198, 207, 210, 213, 214, 217, 219, 222	12-1-92	2-4-93/6-2-93	6-3-93/12-8-94	ACCEPTED
COM-032		B	010	016, 032, 042, 045, 048, 051, 097, 106, 107, 108	12-1-92	1-21-93	6/7/93	ACCEPTED
COM-032		C/E	012/051	016, 032, 042, 045, 048, 051, 097, 106, 107, 108	12-1-92	2-4-93/6-2-93	6-3-93/12-8-94	ACCEPTED

SCHEDULES
A - ASP - TCL/TAL LIST (PRP & SOIL)
B - RCRA - TCLP, RX, IGN , CORR., BTU, %HALOGEN, TS (PRP & COM)
C - INCIN - PCBs(COM)
D - DIOXIN/FURAN (PRP, COM, & SOIL)
E - VOA, SVOA, METALS(COM) - NOT REQUIRED BY CONTRACT
F - SW-846 - VOA, SVOA, PEST/PCB, METALS, CN, IGN, REACT., CORR., BTU, %HALOGENATED, TS (WATERS)
G - PCB WIPE TEST (EQUIPMENT)
* - Each sample must have ALL analytical schedules accepted before payment is approved.

TABLE 3-4
PFOHL BROTHERS LANDFILL
SUMMARY OF SAMPLES SUBMITTED FOR ANALYSIS

COMPOSITE NUMBER	SAMPLE NUMBERS	ANALYTICAL SCHEDULE	URS BOOK NUMBER	SAMPLE DESCRIPTION/LOCATION	DATE SENT OUT	DATE RECEIVED	DATE ACCEPTED/REJECTED	ACCEPTED/REJECTED * REASON
COM-033		B	010	052, 057, 093, 096, 136, 148, 161, 179, 181, 206	12-1-92	1-21-93	6/7/93	ACCEPTED
COM-033		C/E	012/051	052, 057, 093, 096, 136, 148, 161, 179, 181, 206	12-1-92	2-4-93/6-2-93	6-3-93/12-8-94	ACCEPTED
COM-034		B	010	040, 041, 043, 046, 049, 058, 061, 100, 224, 232	12-1-92	1-21-93	6/7/93	ACCEPTED
COM-034		C/E	012/051	040, 041, 043, 046, 049, 058, 061, 100, 224, 232	12-1-92	2-4-93/6-2-93	6-3-93/12-8-94	ACCEPTED
COM-035		B	010	056, 069, 071, 087, 088, 101, 103, 109, 110, 111	12-1-92	1-21-93	6/7/93	ACCEPTED
COM-035		C/E	012/051	056, 069, 071, 087, 088, 101, 103, 109, 110, 111	12-1-92	2-4-93/6-2-93	6-3-93/12-8-94	ACCEPTED
COM-036		B	010	113, 114, 126, 142, 143, 144, 146, 147, 165, 168	12-1-92	1-21-93	6/7/93	ACCEPTED
COM-036		C/E	012/051	113, 114, 126, 142, 143, 144, 146, 147, 165, 168	12-1-92	2-4-93/6-2-93	6-3-93/12-8-94	ACCEPTED
COM-036		D	013	113, 114, 126, 142, 143, 144, 146, 147, 165, 168	12-1-92	4/13/93	5/6/93	ACCEPTED
COM-036		D	013A	113, 114, 126, 142, 143, 144, 146, 147, 165, 168	12-1-92	4/13/93	5/6/93	ACCEPTED
COM-037		B	010	004, 008, 173, 174, 177, 180, 185, 211, 218, 221	12-1-92	1-21-93	6/7/93	ACCEPTED
COM-037		C/E	012/051	004, 008, 173, 174, 177, 180, 185, 211, 218, 221	12-1-92	2-4-93/6-2-93	6-3-93/12-8-94	ACCEPTED
COM-038		B	010	012, 013, 015, 018, 019, 020, 025, 026, 027, 030	12-1-92	1-21-93	6/7/93	ACCEPTED
COM-038		C/E	012/051	012, 013, 015, 018, 019, 020, 025, 026, 027, 030	12-1-92	2-4-93/6-2-93	6-3-93/12-8-94	ACCEPTED
COM-039		B	010	054, 060, 064, 085, 121, 123, 128, 129, 158, 159	12-1-92	1-21-93	6/7/93	ACCEPTED
COM-039		C/E	012/051	054, 060, 064, 085, 121, 123, 128, 129, 158, 159	12-1-92	2-4-93/6-2-93	6-3-93/12-8-94	ACCEPTED
COM-039		D	013	054, 060, 064, 085, 121, 123, 128, 129, 158, 159	12-1-92	2-4-93	5/6/93	ACCEPTED
COM-039		D	013A	054, 060, 064, 085, 121, 123, 128, 129, 158, 159	12-1-92	4/13/93	5/6/93	ACCEPTED
COM-040		B	010	170, 184, 187, 191, 195, 208, 209, 220, 223, 225	12-1-92	1-21-93	6/7/93	ACCEPTED
COM-040		C/E	012/051	170, 184, 187, 191, 195, 208, 209, 220, 223, 225	12-1-92	2-4-93/6-2-93	6-3-93/12-8-94	ACCEPTED
COM-041		B	010	007, 009, 037, 050, 127, 172, 183, 190, 231, 234	12-1-92	1-21-93	6/7/93	ACCEPTED
COM-041		C/E	012/051	007, 009, 037, 050, 127, 172, 183, 190, 231, 234	12-1-92	2-4-93/6-2-93	6-3-93/12-8-94	ACCEPTED
COM-042		B	010	033, 035, 089, 090, 122, 124, 186, 197, 226, 227	12-1-92	1-21-93	6/7/93	ACCEPTED
COM-042		C/E	012/051	033, 035, 089, 090, 122, 124, 186, 197, 226, 227	12-1-92	2-4-93/6-2-93	6-3-93/12-8-94	ACCEPTED
COM-043		B	010	062, 112, 116, 125, 130, 131, 135, 196, 202, 205	12-1-92	1-21-93	6/7/93	ACCEPTED
COM-043		C/E	012/051	062, 112, 116, 125, 130, 131, 135, 196, 202, 205	12-1-92	2-4-93/6-2-93	6-3-93/12-8-94	ACCEPTED
COM-044		B	010	119, 132, 134, 138, 139, 141, 145, 169, 201, 228	12-1-92	1-21-93	6/7/93	ACCEPTED
COM-044		C/E	012/051	119, 132, 134, 138, 139, 141, 145, 169, 201, 228	12-1-92	2-4-93/6-2-93	6-3-93/12-8-94	ACCEPTED
COM-045		B	010	152, 153, 154, 157, 160, 162, 163, 164, 166, 167	12-1-92	1-21-93	6/7/93	ACCEPTED
COM-045		C/E	012/051	152, 153, 154, 157, 160, 162, 163, 164, 166, 167	12-1-92	2-4-93/6-2-93	6-3-93/12-8-94	ACCEPTED
	WP-046	G	NA	Wipe Sample from D4 Dozer	12/2/93	12/3/92	NA	NA
	WP-047	G	NA	Wipe Sample from Hertz Dump Truck	12/4/93	12/7/93	NA	NA
COM-048		B	015	104, 254, 257, 263, 266, 272, 275, 347, 350, 387	12-09-92	2/4/93	12/9/94	ACCEPTED
COM-048		C/E	014/052	104, 254, 257, 263, 266, 272, 275, 347, 350, 387	12-09-92	2/4/93/6/2/93	4-23-93/12-14-93	ACCEPTED
COM-049		B	015	237, 255, 262, 297, 298, 300, 307, 309, 345, 356	12-09-92	2/4/93	12/9/94	ACCEPTED
COM-049		C	014/052	237, 255, 262, 297, 298, 300, 307, 309, 345, 356	12-09-92	2/4/93/6/2/93	4-23-93/12-14-93	ACCEPTED
COM-050		B	015	003, 243, 246, 248, 273, 279, 313, 360, 370, 384	12-09-92	2/4/93	12/9/94	ACCEPTED
COM-050		C/E	014/052	003, 243, 246, 248, 273, 279, 313, 360, 370, 384	12-09-92	2/4/93/6/2/93	4-23-93/12-14-93	ACCEPTED
COM-050		D	013	003, 243, 246, 248, 273, 279, 313, 360, 370, 384	12-09-92	2/4/93	5/6/93	ACCEPTED
COM-051		B	015	247, 249, 260, 268, 269, 303, 320, 336, 352, 386	12-09-92	2/4/93	12/9/94	ACCEPTED
COM-051		C/E	014/052	247, 249, 260, 268, 269, 303, 320, 336, 352, 386	12-09-92	2/4/93/6/2/93	4-23-93/12-14-93	ACCEPTED
COM-052		B	015	010, 212, 244, 245, 264, 325, 326, 338, 366, 368	12-09-92	2/4/93	12/9/94	ACCEPTED
COM-052		C/E	014/052	010, 212, 244, 245, 264, 325, 326, 338, 366, 368	12-09-92	2/4/93/6/2/93	4-23-93/12-14-93	ACCEPTED
COM-053		B	015	312, 317, 318, 323, 334, 344, 354, 362, 379, 381	12-09-92	2/4/93	12/9/94	ACCEPTED
COM-053		C/E	014/052	312, 317, 318, 323, 334, 344, 354, 362, 379, 381	12-09-92	2/4/93/6/2/93	4-23-93/12-14-93	ACCEPTED
COM-054		B	015	253, 261, 274, 285, 286, 290, 304, 311, 315, 316	12-09-92	2/4/93	12/9/94	ACCEPTED
COM-054		C/E	014/052	253, 261, 274, 285, 286, 290, 304, 311, 315, 316	12-09-92	2/4/93/6/2/93	4-23-93/12-14-93	ACCEPTED

SCHEDULES
A - ASP - TCL/TAL LIST (PRP & SOIL)
B - RCRA - TCLP, RX, IGN., CORR., BTU, %HALOGEN, TS (PRP & COM)
C - INCIN - PCBs(COM)
D - DIOXIN/FURAN (PRP, COM, & SOIL)
E - VOA, SVOA, METALS(COM) - NOT REQUIRED BY CONTRACT
F - SW-846 - VOA, SVOA, PEST/PCB, METALS, CN, IGN, REACT., CORR., BTU, %HALOGENATED, TS (WATERS)
G - PCB WIPE TEST (EQUIPMENT)
* - Each sample must have ALL analytical schedules accepted before payment is approved

TABLE 3-4
PFOHL BROTHERS LANDFILL
SUMMARY OF SAMPLES SUBMITTED FOR ANALYSIS

COMPOSITE NUMBER	SAMPLE NUMBERS	ANALYTICAL SCHEDULE	URS BOOK NUMBER	SAMPLE DESCRIPTION/LOCATION	DATE SENT OUT	DATE RECEIVED	DATE ACCEPTED/REJECTED	ACCEPTED/REJECTED * REASON
COM-055		B	015	171, 182, 322, 327, 335, 349, 359, 377, 382, 388	12-09-92	2/4/93	12/9/94	ACCEPTED
COM-055		C/E	014/052	171, 182, 322, 327, 335, 349, 359, 377, 382, 388	12-09-92	2/4/93/6/2/93	4-23-93/12-14-93	ACCEPTED
COM-056		B	015	235, 239, 241, 242, 252, 267, 343, 361, 363, 383 - MS/MSD	12-09-92	2/4/93	12/9/94	ACCEPTED
COM-056		C/E	014/052	235, 239, 241, 242, 252, 267, 343, 361, 363, 383 - MS/MSD	12-09-92	2/4/93	4-23-93/12-14-93	ACCEPTED
COM-057		B	015	034, 036, 055, 259, 278, 289, 302, 340, 341, 367	12-09-92	2/4/93	12/9/94	ACCEPTED
COM-057		C/E	014/052	034, 036, 055, 259, 278, 289, 302, 340, 341, 367	12-09-92	2/4/93/6/2/93	4-23-93/12-14-93	ACCEPTED
	S-058	A	016	058-DC22	12-09-92	2/5/93	5/11/93	ACCEPTED
	S-058	D	013	058-DC22	12-09-92	2/4/93	5/6/93	Audit response not received
COM-059		B/C	041	291, 256, 265, 276, 281, 282, 288, 294, 321, 328	12-15-92	3/17/93	9/30/93	ACCEPTED
COM-059		E	053	291, 256, 265, 276, 281, 282, 288, 294, 321, 328	12-15-92	6/4/93	12/13/93	ACCEPTED
COM-060		B/C	041	332, 342, 351, 358, 389, 392, 393, 394, 398, 406	12-15-92	3/17/93	9/30/93	ACCEPTED
COM-060		E	053	332, 342, 351, 358, 389, 392, 393, 394, 398, 406	12-15-92	6/4/93	12/13/93	ACCEPTED
COM-061		B/C	041	193, 314, 319, 324, 390, 396, 401, 404, 412, 413	12-15-92	6/2/93	9/30/93	ACCEPTED
COM-061		E	053	193, 314, 319, 324, 390, 396, 401, 404, 412, 413	12-15-92	6/4/93	12/13/93	ACCEPTED
COM-061		D	017	193, 314, 319, 324, 390, 396, 401, 404, 412, 413	12-15-92	3-2-93	4/17/93	Audit response not received
COM-062		B/C	041	215, 299, 395, 399, 405, 449, 457, 459, 462, 471	12-15-92	6/2/93	9/30/93	ACCEPTED
COM-062		E	053	215, 299, 395, 399, 405, 449, 457, 459, 462, 471	12-15-92	6/4/93	12/13/93	ACCEPTED
COM-063		B/C	041	435, 436, 450, 456, 458, 463, 483, 487, 513, 518	12-15-92	6/2/93	9/30/93	ACCEPTED
COM-063		E	053	435, 436, 450, 456, 458, 463, 483, 487, 513, 518	12-15-92	6/4/93	12/13/93	ACCEPTED
COM-064		B/C	041	417, 496, 497, 501, 503, 506, 507, 508, 522, 530	12-15-92	6/2/93	9/20/93	ACCEPTED
COM-064		E	053	417, 496, 497, 501, 503, 506, 507, 508, 522, 530	12-15-92	6/4/93	12/13/93	ACCEPTED
COM-065		B/C	041	415, 423, 445, 446, 472, 486, 514, 517, 524, 532	12-15-92	6/2/93	10/6/93	ACCEPTED
COM-065		E	053	415, 423, 445, 446, 472, 486, 514, 517, 524, 532	12-15-92	6/4/93	12/13/93	ACCEPTED
COM-066		B/C	041	258, 296, 329, 355, 385, 403, 410, 431, 438, 440	12-15-92	6/2/93	9/30/93	ACCEPTED
COM-066		E	053	258, 296, 329, 355, 385, 403, 410, 431, 438, 440	12-15-92	6/4/93	12/13/93	ACCEPTED
COM-067		B/C	041	414, 441, 447, 452, 453, 464, 465, 504, 520, 529	12-15-92	6/2/93	9/20/93	ACCEPTED
COM-067		E	053	414, 441, 447, 452, 453, 464, 465, 504, 520, 529	12-15-92	6/4/93	12/13/93	ACCEPTED
COM-068		B/C	041	149, 178, 250, 365, 421, 460, 474, 478, 523, 534	12-15-92	6/2/93	9/20/93	ACCEPTED
COM-068		E	053	149, 178, 250, 365, 421, 460, 474, 478, 523, 534	12-15-92	6/4/93	12/13/93	ACCEPTED
	PRP-069	A	018	920-DC14	12-15-92	3/2/93	12/8/94	ACCEPTED
	PRP-069	B	019/041	920-DC14	12-15-92	6/2/93	6/7/93	ACCEPTED
	PRP-069	D	017	920-DC14	12-15-92	3-2-93	4/19/93	Audit response not received
	W-070	F	008	CP-04	12-15-92	12-28-92	2/8/93	ACCEPTED
COM-071		B	041/044	077, 079, 082, 083, 084, 283, 348, 372, 430, 448	12-17-92	6/2/93	9-20-93/9-30-93	ACCEPTED
COM-071		C/E	054	077, 079, 082, 083, 084, 283, 348, 372, 430, 448	12-17-92	6/2/93	12/13/93	ACCEPTED
COM-072		B	041/044	339, 346, 469, 470, 482, 488, 493, 510, 512, 516	12-17-92	6/2/93	9-20-93/9-30-93	ACCEPTED
COM-072		C/E	054	339, 346, 469, 470, 482, 488, 493, 510, 512, 516	12-17-92	6/2/93	12/13/93	ACCEPTED

SCHEDULES
A - ASP - TCL/TAL LIST (PRP & SOIL)
B - RCRA - TCLP, RX, IGN , CORR., BTU, %HALOGEN, TS (PRP & COM)
C - INCIN - PCBs(COM)
D - DIOXIN/FURAN (PRP, COM, & SOIL)
E - VOA, SVOA, METALS(COM) - NOT REQUIRED BY CONTRACT
F - SW-846 - VOA, SVOA, PEST/PCB, METALS, CN, IGN, REACT., CORR , BTU, %HALOGENATED, TS (WATERS)
G - PCB WIPE TEST (EQUIPMENT)
* - Each sample must have ALL analytical schedules accepted before payment is approved.

TABLE 3-4
PFOHL BROTHERS LANDFILL
SUMMARY OF SAMPLES SUBMITTED FOR ANALYSIS

COMPOSITE NUMBER	SAMPLE NUMBERS	ANALYTICAL SCHEDULE	URS BOOK NUMBER	SAMPLE DESCRIPTION/LOCATION	DATE SENT OUT	DATE RECEIVED	DATE ACCEPTED/REJECTED	ACCEPTED/REJECTED * REASON
COM-073		B	041/044	295, 468, 511, 519, 526, 527, 531, 542, 546, 552	12-17-92	6/2/93	9-20-93/9-30-93	ACCEPTED
COM-073		C/E	054	295, 468, 511, 519, 526, 527, 531, 542, 546, 552	12-17-92	6/2/93	12/13/93	ACCEPTED
COM-073		D	034	295, 468, 511, 519, 526, 527, 531, 542, 546, 552	12-17-92	4/30/93	9/8/93	ACCEPTED
COM-074		B	041/044	308, 369, 373, 419, 455, 477, 495, 500, 515, 521	12-17-92	6/2/93	9-20-93/9-30-93	ACCEPTED
COM-074		C/E	054	308, 369, 373, 419, 455, 477, 495, 500, 515, 521	12-17-92	6/2/93	12/13/93	ACCEPTED
COM-075		B	041/044	484, 490, 491, 494, 498, 505, 528, 533, 544, 548	12-17-92	6/2/93	9-20-93/9-16-93	ACCEPTED
COM-075		C/E	054	484, 490, 491, 494, 498, 505, 528, 533, 544, 548	12-17-92	6/2/93	12/13/93	ACCEPTED
COM-076		B	041/044	416, 427, 428, 432, 433, 434, 437, 475, 476, 480	12-17-92	6/2/93	9-20-93/9-16-93	ACCEPTED
COM-076		C/E	054	416, 427, 428, 432, 433, 434, 437, 475, 476, 480	12-17-92	6/2/93	12/13/93	ACCEPTED
COM-077		B	041/044	443, 451, 489, 525, 535, 537, 538, 545, 547, 549 - MS/MSD	12-17-92	6/2/93	9-20-93/9-16-93	ACCEPTED
COM-077		C/E	054	443, 451, 489, 525, 535, 537, 538, 545, 547, 549 - MS/MSD	12-17-92	6/2/93	12/13/93	ACCEPTED
	PRP-078	A	018	2276-DC22	12-17-92	3-11-93	12/8/94	ACCEPTED
	PRP-078	B	020/041	2276-DC22	12-17-92	6/2/93	5/24/93	ACCEPTED
	PRP-078	D	034	2276-DC22	12-17-92	4/30/93	9/8/93	ACCEPTED
COM-081		B	045	236, 238, 277, 284, 371, 402, 411, 422, 587, 623	12-29-92	6/2/93	9/30/93	ACCEPTED
COM-081		B/C/E	055	236, 238, 277, 284, 371, 402, 411, 422, 587, 623	12-29-92	6/2/93	12/8/94	ACCEPTED
COM-082		B	045	618, 621, 633, 638, 639, 640, 642, 652, 653, 657	12-29-92	6/2/93	9/30/93	ACCEPTED
COM-082		B/C/E	055	618, 621, 633, 638, 639, 640, 642, 652, 653, 657	12-29-92	6/2/93	12/8/94	ACCEPTED
COM-082		D	035	618, 621, 633, 638, 639, 640, 642, 652, 653, 657	12-29-92	4/30/93	9/8/93	ACCEPTED
COM-083		B	045	400, 601, 628, 631, 632, 635, 636, 502, 540, 602	12-29-92	6/2/93	9/30/93	ACCEPTED
COM-083		B/C/E	055	400, 601, 628, 631, 632, 635, 636, 502, 540, 602	12-29-92	6/2/93	12/8/94	ACCEPTED
COM-084		B	045	118, 120, 150, 176, 188, 229, 230, 251, 364, 376	12-29-92	6/2/93	9/30/93	ACCEPTED
COM-084		B/C/E	055	118, 120, 150, 176, 188, 229, 230, 251, 364, 376	12-29-92	6/2/93	12/8/94	ACCEPTED
COM-085		B	045	151, 203, 330, 337, 374, 485, 509, 568, 580, 590	12-29-92	6/2/93	9/21/93	ACCEPTED
COM-085		B/C/E	055	151, 203, 330, 337, 374, 485, 509, 568, 580, 590	12-29-92	6/2/93	12/8/94	ACCEPTED
COM-086		B	045	536, 541, 550, 553, 555, 643, 645, 646, 650, 656	12-29-92	6/2/93	10/6/93	ACCEPTED
COM-086		B/C/E	055	536, 541, 550, 553, 555, 643, 645, 646, 650, 656	12-29-92	6/2/93	12/8/94	ACCEPTED
COM-087		B	045	554, 572, 591, 599, 604, 608, 616, 625, 629, 634	12-29-92	6/2/93	9/21/93	ACCEPTED
COM-087		B/C/E	055	554, 572, 591, 599, 604, 608, 616, 625, 629, 634	12-29-92	6/2/93	12/8/94	ACCEPTED
COM-088		B	045	561, 563, 566, 567, 573, 576, 577, 600, 637, 641	12-29-92	6/2/93	9/21/93	ACCEPTED
COM-088		B/C/E	055	561, 563, 566, 567, 573, 576, 577, 600, 637, 641	12-29-92	6/2/93	12/8/94	ACCEPTED
COM-089		B	045	606, 607, 611, 613, 619, 620, 626, 654, 655, 659	12-29-92	6/2/93	9/21/93	ACCEPTED
COM-089		B/C/E	055	606, 607, 611, 613, 619, 620, 626, 654, 655, 659	12-29-92	6/2/93	12/8/94	ACCEPTED
COM-090		B	045	292, 407, 565, 570, 571, 574, 575, 579, 581, 582	12-29-92	6/2/93	10/6/93	Herb reextraction exceeded holding time
COM-090		B/C/E	055	292, 407, 565, 570, 571, 574, 575, 579, 581, 582	12-29-92	6/2/93	12/8/94	ACCEPTED
COM-091		B	045	204, 310, 492, 499, 569, 585, 589, 593, 598, 648	12-29-92	6/2/93	9/21/93	ACCEPTED
COM-091		B/C/E	055	204, 310, 492, 499, 569, 585, 589, 593, 598, 648	12-29-92	6/2/93	12/8/94	ACCEPTED
	PRP-092	A	024	1609-DC24	12-29-92	3/29/93	5/24/93	ACCEPTED
	PRP-092	B	021/045/055	1609-DC24	12-29-92	6/2/93	10-6-93/12-8-94	ACCEPTED
	PRP-092	D	035	1609-DC24	12-29-92	4/30/93	9/8/93	ACCEPTED
	WP-093	G	NA	Wipe sample from RUPP loader	12/29/92	12/30/92	NA	NA
	WP-094	G	NA	Wipe sample from RUPP loader	12/30/92	12/31/92	NA	NA

SCHEDULES
A - ASP - TCL/TAL LIST (PRP & SOIL)
B - RCRA - TCLP, RX, IGN., CORR., BTU, %HALOGEN, TS (PRP & COM)
C - INCIN - PCBs(COM)
D - DIOXIN/FURAN (PRP, COM, & SOIL)
E - VOA, SVOA, METALS(COM) - NOT REQUIRED BY CONTRACT
F - SW-846 - VOA, SVOA, PEST/PCB, METALS, CN, IGN, REACT , CORR., BTU, %HALOGENATED, TS (WATERS)
G - PCB WIPE TEST (EQUIPMENT)
* - Each sample must have ALL analytical schedules accepted before payment is approved.

TABLE 3-4
PFOHL BROTHERS LANDFILL
SUMMARY OF SAMPLES SUBMITTED FOR ANALYSIS

COMPOSITE NUMBER	SAMPLE NUMBERS	ANALYTICAL SCHEDULE	URS BOOK NUMBER	SAMPLE DESCRIPTION/LOCATION	DATE SENT OUT	DATE RECEIVED	DATE ACCEPTED/REJECTED	ACCEPTED/REJECTED * REASON
COM-095		B	047/050	240, 357, 420, 539, 586, 596, 603, 675, 705, 791	1-4-93	6/2/93	9-17-93/6-2-93	ACCEPTED
COM-095		B/C/E	056	240, 357, 420, 539, 586, 596, 603, 675, 705, 791	1-4-93	6/2/93	12/14/93	ACCEPTED
COM-096		B	047/050	331, 333, 425, 442, 660, 664, 703, 798, 805, 828	1-4-93	6/2/93	10-6-93/6-2-93	ACCEPTED
COM-096		B/C/E	056	331, 333, 425, 442, 660, 664, 703, 798, 805, 828	1-4-93	6/2/93	12/14/93	ACCEPTED
COM-097		B	047/050	678, 711, 734, 742, 750, 754, 764, 765, 775, 776	1-4-93	6/2/93	10-6-93/6-2-93	ACCEPTED
COM-097		B/C/E	056	678, 711, 734, 742, 750, 754, 764, 765, 775, 776	1-4-93	6/2/93	12/14/93	ACCEPTED
COM-098		B	047/050	740, 777, 789, 795, 796, 811, 819, 826, 827, 829	1-4-93	6/2/93	10-6-93/6-2-93	ACCEPTED
COM-098		B/C/E	056	740, 777, 789, 795, 796, 811, 819, 826, 827, 829	1-4-93	6/2/93	12/14/93	ACCEPTED
COM-099		B	047/050	667, 717, 719, 724, 726, 727, 743, 762, 797, 813	1-4-93	6/2/93	9-17-93/6-2-93	ACCEPTED
COM-099		B/C/E	056	667, 717, 719, 724, 726, 727, 743, 762, 797, 813	1-4-93	6/2/93	12/14/93	ACCEPTED
COM-100		B	047/050	192, 293, 728, 729, 737, 803, 809, 814, 831, 840	1-4-93	6/2/93	10-6-93/6-2-93	ACCEPTED
COM-100		B/C/E	056	192, 293, 728, 729, 737, 803, 809, 814, 831, 840	1-4-93	6/2/93	12/14/93	ACCEPTED
COM-101		B	047/050	671, 696, 710, 716, 731, 736, 747, 769, 780, 784	1-4-93	6/2/93	10-6-93/6-2-93	ACCEPTED
COM-101		B/C/E	056	671, 696, 710, 716, 731, 736, 747, 769, 780, 784	1-4-93	6/2/93	12/14/93	ACCEPTED
COM-102		B	047/050	551, 595, 609, 693, 694, 709, 714, 725, 730, 772	1-4-93	6/2/93	9-17-93/6-2-93	ACCEPTED
COM-102		B/C/E	056	551, 595, 609, 693, 694, 709, 714, 725, 730, 772	1-4-93	6/2/93	12/14/93	ACCEPTED
COM-103		B	047/050	592, 661, 718, 723, 757, 781, 787, 788, 792, 830	1-4-93	6/2/93	10-6-93/6-2-93	ACCEPTED
COM-103		B/C/E	056	592, 661, 718, 723, 757, 781, 787, 788, 792, 830	1-4-93	6/2/93	12/14/93	ACCEPTED
COM-104		B	047/050	662, 665, 666, 668, 670, 674, 692, 706, 712, 713	1-4-93	6/2/93	10-6-93/6-2-93	ACCEPTED
COM-104		B/C/E	056	662, 665, 666, 668, 670, 674, 692, 706, 712, 713	1-4-93	6/2/93	12/14/93	ACCEPTED
COM-105		B	047/050	605, 614, 617, 627, 630, 647, 649, 758, 804, 815	1-4-93	6/2/93	9-17-93/6-2-93	ACCEPTED
COM-105		B/C/E	056	605, 614, 617, 627, 630, 647, 649, 758, 804, 815	1-4-93	6/2/93	12/14/93	ACCEPTED
COM-106		B	047/050	688, 690, 733, 735, 738, 779, 818, 835, 836, 838	1-4-93	6/2/93	10-6-93/6-2-93	ACCEPTED
COM-106		B/C/E	056	688, 690, 733, 735, 738, 779, 818, 835, 836, 838	1-4-93	6/2/93	12/14/93	ACCEPTED
COM-106		D	031	688, 690, 733, 735, 738, 779, 818, 835, 836, 838	1-4-93	4/13/93	12/8/94	ACCEPTED
	WP-107	G	NA	Wipe sample from RUPP loader	1-4-93	1/5/93	NA	NA
	W-108	F	011	Water Sample Decon Pool Area B - BP-02	1-6-93	1/28/93	6/30/93	ACCEPTED
COM-109		B	046/050	679, 685, 739, 745, 759, 763, 767, 768, 773, 825	1-6-93	6/2/93	9-29-93/6-2-93	ACCEPTED
COM-109		B/C/E	057	679, 685, 739, 745, 759, 763, 767, 768, 773, 825	1-6-93	6/2/93	12/10/93	ACCEPTED
COM-109		D	036	679, 685, 739, 745, 759, 763, 767, 768, 773, 825	1-6-93	4/30/93	12/8/94	ACCEPTED
COM-110		B	046/050	684, 686, 687, 697, 707, 741, 748, 774, 782, 810	1-6-93	6/2/93	9-29-93/6-2-93	ACCEPTED
COM-110		B/C/E	057	684, 686, 687, 697, 707, 741, 748, 774, 782, 810	1-6-93	6/2/93	12/10/93	ACCEPTED
COM-111		B	046/050	673, 677, 681, 682, 683, 751, 755, 756, 806, 820	1-6-93	6/2/93	10-6-93/6-2-93	ACCEPTED
COM-111		B/C/E	057	673, 677, 681, 682, 683, 751, 755, 756, 806, 820	1-6-93	6/2/93	12/10/93	ACCEPTED
COM-112		B	046/050	663, 676, 698, 699, 700, 702, 722, 801, 822, 823	1-6-93	6/2/93	9-29-93/6-2-93	ACCEPTED
COM-112		B/C/E	057	663, 676, 698, 699, 700, 702, 722, 801, 822, 823	1-6-93	6/2/93	12/10/93	ACCEPTED
COM-113		B	046/050	689, 752, 770, 771, 786, 794, 816, 817, 821, 865	1-6-93	6/2/93	9-29-93/6-2-93	ACCEPTED
COM-113		B/C/E	057	689, 752, 770, 771, 786, 794, 816, 817, 821, 865	1-6-93	6/2/93	12/10/93	ACCEPTED
COM-114		B	046/050	680, 746, 812, 850, 866, 867, 870, 872, 873, 886	1-6-93	6/2/93	9-29-93/6-2-93	ACCEPTED
COM-114		B/C/E	057	680, 746, 812, 850, 866, 867, 870, 872, 873, 886	1-6-93	6/2/93	12/10/93	ACCEPTED
COM-115		B	046/050	001, 002, 102, 140, 175, 753, 845, 851, 871, 885	1-6-93	6/2/93	9-29-93/6-2-93	ACCEPTED
COM-115		B/C/E	057	001, 002, 102, 140, 175, 753, 845, 851, 871, 885	1-6-93	6/2/93	12/10/93	ACCEPTED
	PRP-116	A	025	1792-DC24	1-6-93	3/29/93	5/17/93	Pest/PCB elevated CRQLs - no hits
	PRP-116	B	023/046/050	1792-DC24	1-6-93	3/23/93/6/2/93	3-24-93/6-2-93	ACCEPTED
	PRP-116	D	036	1792-DC24	1-6-93	4/30/93	12/8/94	ACCEPTED

SCHEDULES
A - ASP - TCL/TAL LIST (PRP & SOIL)
B - RCRA - TCLP, RX, IGN., CORR., BTU, %HALOGEN, TS (PRP & COM)
C - INCIN - PCBs(COM)
D - DIOXIN/FURAN (PRP, COM, & SOIL)
E - VOA, SVOA, METALS(COM) - NOT REQUIRED BY CONTRACT
F - SW-846 - VOA, SVOA, PEST/PCB, METALS, CN, IGN, REACT , CORR., BTU, %HALOGENATED, TS (WATERS)
G - PCB WIPE TEST (EQUIPMENT)
* - Each sample must have ALL analytical schedules accepted before payment is approved.

TABLE 3-4
PFOHL BROTHERS LANDFILL
SUMMARY OF SAMPLES SUBMITTED FOR ANALYSIS

COMPOSITE NUMBER	SAMPLE NUMBERS	ANALYTICAL SCHEDULE	URS BOOK NUMBER	SAMPLE DESCRIPTION/LOCATION	DATE SENT OUT	DATE RECEIVED	DATE ACCEPTED/REJECTED	ACCEPTED/REJECTED * REASON
COM-117		B	048/050	117, 301, 418, 454, 543, 557, 558, 778, 832, 837	1-12-93	6/2/93	9-29-93/6-2-93	ACCEPTED
COM-117		B/E	058	117, 301, 418, 454, 543, 557, 558, 778, 832, 837	1-12-93	6/2/93	12/8/94	ACCEPTED
COM-118		B	048/050	559, 562, 584, 612, 622, 824, 882, 901, 906, 921	1-12-93	6/2/93	9-29-93/6-2-93	ACCEPTED
COM-118		B/E	058	559, 562, 584, 612, 622, 824, 882, 901, 906, 921	1-12-93	6/2/93	12/8/94	ACCEPTED
COM-119		B	048/050	375, 466, 467, 556, 560, 564, 582, 615, 760, 909	1-12-93	6/2/93	9-29-93/6-2-93	ACCEPTED
COM-119		B/E	058	375, 466, 467, 556, 560, 564, 582, 615, 760, 909	1-12-93	6/2/93	12/8/94	ACCEPTED
COM-120		B	048/050	098, 099, 156, 270, 380, 409, 426, 708, 976, 982	1-12-93	6/2/93	10-6-93/6-2-93	ACCEPTED
COM-120		B/E	058	098, 099, 156, 270, 380, 409, 426, 708, 976, 982	1-12-93	6/2/93	12/8/94	ACCEPTED
COM-121		B	048/050	133, 200, 216, 233, 271, 280, 306, 874, 877, 922	1-12-93	6/2/93	10-6-93/6-2-93	ACCEPTED
COM-121		B/E	058	133, 200, 216, 233, 271, 280, 306, 874, 877, 922	1-12-93	6/2/93	12/8/94	ACCEPTED
COM-122		B	048/050	481, 721, 732, 749, 783, 799, 802, 855, 857, 897	1-12-93	6/2/93	9-29-93/6-2-93	ACCEPTED
COM-122		B/E	058	481, 721, 732, 749, 783, 799, 802, 855, 857, 897	1-12-93	6/2/93	12/8/94	ACCEPTED
COM-123		B	048/050	808, 842, 854, 868, 869, 876, 898, 944, 945, 959	1-12-93	6/2/93	9-29-93/6-2-93	ACCEPTED
COM-123		B/E	058	808, 842, 854, 868, 869, 876, 898, 944, 945, 959	1-12-93	6/2/93	12/8/94	ACCEPTED
COM-124		B	048/050	878, 879, 880, 881, 892, 893, 899, 900, 910, 914	1-12-93	6/2/93	9-29-93/6-2-93	ACCEPTED
COM-124		B/E	058	878, 879, 880, 881, 892, 893, 899, 900, 910, 914	1-12-93	6/2/93	12/8/94	ACCEPTED
COM-125		B	048/050	848, 852, 856, 859, 860, 861, 862, 863, 864, 942	1-12-93	6/2/93	9-29-93/6-2-93	ACCEPTED
COM-125		B/E	058	848, 852, 856, 859, 860, 861, 862, 863, 864, 942	1-12-93	6/2/93	12/8/94	ACCEPTED
COM-126		B	048/050	896, 905, 908, 911, 919, 953, 962, 964, 967, 970	1-12-93	6/2/93	9-29-93/6-2-93	ACCEPTED
COM-126		B/E	058	896, 905, 908, 911, 919, 953, 962, 964, 967, 970	1-12-93	6/2/93	12/8/94	ACCEPTED
COM-127		B	048/050	473, 669, 844, 847, 853, 858, 875, 916, 972, 1003	1-12-93	6/2/93	9-29-93/6-2-93	ACCEPTED
COM-127		B/E	058	473, 669, 844, 847, 853, 858, 875, 916, 972, 1003	1-12-93	6/2/93	12/8/94	ACCEPTED
COM-128		B	048/050	923, 937, 950, 954, 973, 974, 975, 992, 1032, 1037	1-12-93	6/2/93	9-29-93/6-2-93	ACCEPTED
COM-128		B/E	058	923, 937, 950, 954, 973, 974, 975, 992, 1032, 1037	1-12-93	6/2/93	12/8/94	ACCEPTED
COM-129		B/C/E	042	766, 785, 807, 841, 846, 907, 999, 1004, 1005, 1031	1-13-93	6/4/93	3/15/94	ACCEPTED
COM-130		B/C/E	042	917, 925, 927, 929, 935, 943, 956, 957, 963, 971	1-13-93	6/4/93	3/15/94	ACCEPTED
COM-131		B/C/E	042	951, 952, 960, 961, 965, 966, 968, 969, 988, 996	1-13-93	6/4/93	3/15/94	ACCEPTED
COM-132		B/C/E	042	977, 978, 979, 980, 981, 987, 997, 998, 1002, 1007	1-13-93	6/4/93	3/15/94	ACCEPTED
COM-133		B/C/E	042	891, 918, 924, 984, 994, 995, 1015, 1016, 1029, 1041	1-13-93	6/4/93	3/15/94	ACCEPTED
COM-134		B/C/E	042	1008, 1009, 1012, 1014, 1020, 1025, 1026, 1027, 1030, 1044	1-13-93	6/4/93	3/15/94	ACCEPTED
COM-135		B/C/E	042	913, 926, 928, 933, 934, 939, 940, 941, 946, 948	1-13-93	6/4/93	3/15/94	ACCEPTED
COM-135		D	033	913, 926, 928, 933, 934, 939, 940, 941, 946, 948	1-13-93	4/16/93	7/7/93	ACCEPTED
COM-136		B/C/E	042	915, 932, 938, 985, 990, 991, 993, 1000, 1001, 1022	1-13-93	6/4/93	3/15/94	ACCEPTED
COM-137		B/C/E	042	904, 949, 1056, 1059, 1065, 1067, 1068, 1070, 1072, 1098	1-13-93	6/4/93	3/15/94	ACCEPTED
COM-138		B/C/E	042	1045, 1046, 1047, 1049, 1052, 1054, 1057, 1064, 1066, 1084	1-13-93	6/4/93	3/15/94	ACCEPTED
COM-139		B/C/E	042	444, 936, 947, 989, 1006, 1028, 1034, 1090, 1091, 1092	1-13-93	6/4/93	3/15/94	ACCEPTED
COM-140		B/C/E	042	955, 1048, 1051, 1053, 1055, 1060, 1061, 1086, 1096, 1097	1-13-93	6/4/93	3/15/94	ACCEPTED
COM-141		B/C/E	042	397, 1010, 1017, 1042, 1076, 1080, 1081, 1082, 1089, 1094	1-13-93	6/4/93	3/15/94	ACCEPTED
COM-142		B/C/E	043	695, 958, 1131, 1135, 1162, 1165, 1197, 1212, 1218, 1295	1-19-93	6/4/93	3/16/94	ACCEPTED
COM-142		D	033	695, 958, 1131, 1135, 1162, 1165, 1197, 1212, 1218, 1295	1-19-93	4/16/93	7/7/93	ACCEPTED
COM-143		B/C/E	043	883, 889, 890, 894, 895, 1023, 1075, 1101, 1116, 1123	1-19-93	6/4/93	3/16/94	ACCEPTED
COM-144		B/C/E	043	1099, 1104, 1128, 1137, 1144, 1246, 1286, 1287, 1288, 1293	1-19-93	6/4/93	3/16/94	ACCEPTED
COM-144		D	033	1099, 1104, 1128, 1137, 1144, 1246, 1286, 1287, 1288, 1293	1-19-93	4/16/93	7/7/93	ACCEPTED
COM-145		B/C/E	043	1146, 1227, 1228, 1243, 1245, 1250, 1312, 1317, 1344, 1352	1-19-93	6/4/93	3/16/94	ACCEPTED
COM-146		B/C/E	043	1204, 1208, 1240, 1248, 1316, 1322, 1327, 1331, 1335, 1353	1-19-93	6/4/93	3/16/94	ACCEPTED
COM-147		B/C/E	043	849, 1019, 1021, 1024, 1039, 1058, 1217, 1302, 1305, 1306	1-19-93	6/4/93	3/16/94	ACCEPTED
COM-148		B/C/E	043	1087, 1093, 1109, 1156, 1157, 1175, 1202, 1233, 1239, 1358	1-19-93	6/4/93	3/16/94	ACCEPTED
COM-149		B/C/E	043	1077, 1078, 1085, 1259, 1267, 1274, 1284, 1290, 1292, 1299	1-19-93	6/4/93	3/16/94	ACCEPTED
COM-150		B/C/E	043	1168, 1173, 1187, 1193, 1220, 1222, 1265, 1268, 1269, 1285	1-19-93	6/4/93	3/16/94	ACCEPTED
COM-151		B/C/E	043	1073, 1079, 1125, 1158, 1189, 1249, 1336, 1337, 1345, 1350	1-19-93	6/4/93	3/16/94	ACCEPTED
COM-152		B/C/E	043	1018, 1033, 1035, 1036, 1040, 1043, 1069, 1181, 1198, 1341	1-19-93	6/4/93	3/16/94	ACCEPTED
COM-153		B/C/E	043	1103, 1126, 1130, 1166, 1172, 1224, 1277, 1278, 1279, 1296	1-19-93	6/4/93	3/16/94	ACCEPTED

SCHEDULES
A - ASP - TCL/TAL LIST (PRP & SOIL)
B - RCRA - TCLP, RX, IGN , CORR., BTU, %HALOGEN, TS (PRP & COM)
C - INCIN - PCBs(COM)
D - DIOXIN/FURAN (PRP, COM, & SOIL)
E - VOA, SVOA, METALS(COM) - NOT REQUIRED BY CONTRACT
F - SW-846 - VOA, SVOA, PEST/PCB, METALS, CN, IGN, REACT., CORR , BTU, %HALOGENATED, TS (WATERS)
G - PCB WIPE TEST (EQUIPMENT)
* - Each sample must have ALL analytical schedules accepted before payment is approved

TABLE 3-4
PFOHL BROTHERS LANDFILL
SUMMARY OF SAMPLES SUBMITTED FOR ANALYSIS

COMPOSITE NUMBER	SAMPLE NUMBERS	ANALYTICAL SCHEDULE	URS BOOK NUMBER	SAMPLE DESCRIPTION/LOCATION	DATE SENT OUT	DATE RECEIVED	DATE ACCEPTED/REJECTED	ACCEPTED/REJECTED * REASON
COM-154		B/C/E	043	1100, 1191, 1192, 1203, 1219, 1221, 1273, 1280, 1281, 1282	1-19-93	6/4/93	3/16/94	ACCEPTED
COM-155		B	049/050	1105, 1111, 1318, 1320, 1321, 1324, 1338, 1346, 1347, 1351	1-20-93	6/2/93	9-22-93/6-2-93	ACCEPTED
COM-155		B/C/E	059	1105, 1111, 1318, 1320, 1321, 1324, 1338, 1346, 1347, 1351	1-20-93	6/2/93	12/10/93	ACCEPTED
COM-156		B	049/050	1154, 1174, 1253, 1264, 1266, 1270, 1271, 1272, 1319, 1332	1-20-93	6/2/93	9-22-93/6-2-93	ACCEPTED
COM-156		B/C/E	059	1154, 1174, 1253, 1264, 1266, 1270, 1271, 1272, 1319, 1332	1-20-93	6/2/93	12/10/93	ACCEPTED
COM-157		B	049/050	1071, 1083, 1088, 1107, 1108, 1110, 1113, 1115, 1117, 1132	1-20-93	6/2/93	9-22-93/6-2-93	ACCEPTED
COM-157		B/C/E	059	1071, 1083, 1088, 1107, 1108, 1110, 1113, 1115, 1117, 1132	1-20-93	6/2/93	12/10/93	ACCEPTED
COM-158		B	049/050	1276, 1283, 1289, 1291, 1323, 1325, 1330, 1348, 1349, 1359	1-20-93	6/2/93	9-22-93/6-2-93	ACCEPTED
COM-158		B/C/E	059	1276, 1283, 1289, 1291, 1323, 1325, 1330, 1348, 1349, 1359	1-20-93	6/2/93	12/10/93	ACCEPTED
COM-159		B	049/050	1102, 1106, 1121, 1129, 1138, 1164, 1215, 1247, 1261, 1326	1-20-93	6/2/93	9-22-93/6-2-93	ACCEPTED
COM-159		B/C/E	059	1102, 1106, 1121, 1129, 1138, 1164, 1215, 1247, 1261, 1326	1-20-93	6/2/93	12/10/93	ACCEPTED
COM-160		B	049/050	1112, 1122, 1134, 1140, 1143, 1163, 1170, 1209, 1301, 1315	1-20-93	6/2/93	9-22-93/6-2-93	ACCEPTED
COM-160		B/C/E	059	1112, 1122, 1134, 1140, 1143, 1163, 1170, 1209, 1301, 1315	1-20-93	6/2/93	12/10/93	ACCEPTED
COM-161		B/C	062	1150, 1155, 1161, 1176, 1207, 1211, 1230, 1236, 1314, 1364	10/13/93	3/23/94	3/31/94	ACCEPTED
COM-162		B/C	062	1223, 1232, 1234, 1235, 1241, 1244, 1258, 1260, 1303, 1311	10/13/93	3/23/94	3/31/94	ACCEPTED
COM-163		B/C	062	1159, 1171, 1186, 1188, 1190, 1195, 1196, 1200, 1201, 1213	10/13/93	3/23/94	3/31/94	ACCEPTED
COM-164		B/C	062	1118, 1119, 1120, 1136, 1139, 1142, 1169, 1210, 1238, 1294	10/13/93	3/23/94	3/31/94	ACCEPTED
COM-165		B/C	062	1114, 1141, 1145, 1147, 1148, 1149, 1152, 1339, 1354, 1360	10/13/93	3/23/94	3/31/94	ACCEPTED
COM-166		B/C	062	1263, 1275, 1297, 1298, 1310, 1328, 1329, 1333, 1343, 1362	10/13/93	3/23/94	3/31/94	ACCEPTED
COM-167		B/C	062	1237, 1242, 1254, 1256, 1257, 1262, 1300, 1307, 1308, 1309	10/13/93	3/23/94	3/31/94	ACCEPTED
COM-168		B/C	062	1180, 1194, 1199, 1205, 1206, 1214, 1216, 1225, 1226, 1231	10/13/93	3/23/94	3/31/94	ACCEPTED
	S-169	D	037	Tarry soil from TT#23	1/26/93	4/30/93	9/8/93	ACCEPTED
	S-170	A	027	Black material from bottom of TT#29	1/26/93	4/5/93	5/24/93	ACCEPTED
	S-170	D	037	Black material from bottom of TT#29	1/26/93	4/30/93	9/8/93	ACCEPTED
	S-171	D	038	Composite of 1st 50 yds¦ from DC-27	2/1/93	4/30/93	1/30/95	ACCEPTED
	S-172	A	027	100 yds¦ composite from DC-27	2/1/93	4/5/93	5/24/93	ACCEPTED
	S-172	D	038	100 yds¦ composite from DC-27	2/1/93	4/30/93	12/9/94	ACCEPTED
	PRP-173	A	027	2474-DC27	2/1/93	4/5/93	5/24/93	Pest/PCB elevated CRQLs - no hits
	PRP-173	B	026	2474-DC27	2/1/93	3/23/93	12/8/94	ACCEPTED
	PRP-173	D	038	2474-DC27	2/1/93	4/30/93	12/9/94	ACCEPTED
	PRP-174	A	027	2036-DSC	2/1/93	4/5/93	5/24/93	Pest/PCB elevated CRQLs - no hits
	PRP-174	B	026	2036-DSC	2/1/93	3/29/93	12/8/94	ACCEPTED
	PRP-174	D	038	2036-DSC	2/1/93	4/30/93	12/9/94	ACCEPTED
	PRP-175	A	027	2389-DSC	2/1/93	4/5/93	5/24/93	ACCEPTED
	PRP-175	B	026	2389-DSC	2/1/93	3/29/93	12/8/94	ACCEPTED
	PRP-175	D	038	2389-DSC	2/1/93	4/30/93	12/9/94	ACCEPTED
	W-176	F	022	Leachate from 50K pool - Area C	2/8/93	3/23/93	3/24/93	ACCEPTED
	W-177	D	033	Groundwater from TT#23	3/4/93	4/6/93	7/7/93	ACCEPTED
	WP-178	G		Wipe sample from CAT 215	2/15/93	2/16/93	NA	NA
	PRP-179	A	030	003-DC2	2/18/93	4/13/93	6/18/93	Pest/PCB elevated CRQLs - no hits
	PRP-179	B	028/050	003-DC2	2/18/93	4/5/93/6/2/93	6-14-93/6-2-93	ACCEPTED
	PRP-179	D	032	003-DC2	2/18/93	4/13/93	1/30/95	ACCEPTED
	PRP-180	A	030	006-DC6	2/17/93	4/13/93	6/18/93	ACCEPTED
	PRP-180	B	028/050	006-DC6	2/17/93	4/5/93/6/2/93	6-14-93/6-2-93	ACCEPTED
	PRP-180	D	039	006-DC6	2/17/93	4/30/93	10/1/93	Suppressed ISs - no reanalysis/no hits
	PRP-181	A	030	010-DC6	2/18/93	4/13/93	6/18/93	Pest/PCB elevated CRQLs - no hits
	PRP-181	B	028/050	010-DC6	2/18/93	4/5/93/6/2/93	6-14-93/6-2-93	ACCEPTED
	PRP-181	D	032	010-DC6	2/18/93	4/13/93	12/8/94	ACCEPTED
	PRP-182	A	030	053-DC5	2/17/93	4/13/93	6/18/93	ACCEPTED
	PRP-182	B	028/050	053-DC5	2/17/93	4/5/93/6/2/93	6-14-93/6-2-93	ACCEPTED
	PRP-182	D	039	053-DC5	2/17/93	4/30/93	12/3/93	ACCEPTED
	PRP-183	A	030	510-DC10	2/18/93	4/13/93	6/18/93	ACCEPTED
	PRP-183	B	028/050	510-DC10	2/18/93	4/5/93/6/2/93	6-14-93/6-2-93	ACCEPTED
	PRP-183	D	032	510-DC10	2/18/93	4/13/93	12/8/94	ACCEPTED
	PRP-184	A	030	686-DC14	2/17/93	4/13/93	6/18/93	ACCEPTED
	PRP-184	B	028/050	686-DC14	2/17/93	4/5/93/6/2/93	6-14-93/6-2-93	ACCEPTED
	PRP-184	D	039	686-DC14	2/17/93	4/30/93	12/3/93	ACCEPTED
	PRP-185	A	030	794-DC14	2/17/93	4/13/93	6/18/93	ACCEPTED
	PRP-185	B	028/050	794-DC14	2/17/93	4/5/93/6/2/93	6-14-93/6-2-93	ACCEPTED
	PRP-185	D	039	794-DC14	2/17/93	4/30/93	12/3/93	ACCEPTED
	PRP-186	A	030	1708-DC24	2/18/93	4/13/93	6/18/93	Pest/PCB elevated CRQLs - no hits
	PRP-186	B	028/050	1708-DC24	2/18/93	4/5/93/6/2/93	6-14-93/6-2-93	ACCEPTED
	PRP-186	D	032	1708-DC24	2/18/93	4/13/93	12/8/94	ACCEPTED

SCHEDULES
A - ASP - TCL/TAL LIST (PRP & SOIL)
B - RCRA - TCLP, RX, IGN , CORR , BTU, %HALOGEN, TS (PRP & COM)
C - INCIN - PCBs(COM)
D - DIOXIN/FURAN (PRP, COM, & SOIL)
E - VOA, SVOA, METALS(COM) - NOT REQUIRED BY CONTRACT
F - SW-846 - VOA, SVOA, PEST/PCB, METALS, CN, IGN, REACT., CORR , BTU, %HALOGENATED, TS (WATERS)
G - PCB WIPE TEST (EQUIPMENT)
* - Each sample must have ALL analytical schedules accepted before payment is approved

TABLE 3-4
PFOHL BROTHERS LANDFILL
SUMMARY OF SAMPLES SUBMITTED FOR ANALYSIS

COMPOSITE NUMBER	SAMPLE NUMBERS	ANALYTICAL SCHEDULE	URS BOOK NUMBER	SAMPLE DESCRIPTION/LOCATION	DATE SENT OUT	DATE RECEIVED	DATE ACCEPTED/REJECTED	ACCEPTED/REJECTED * REASON
	PRP-187	A	030	1933-DSB	2/17/93	4/13/93	6/18/93	Pest/PCB elevated CRQLs - no hits
	PRP-187	B	028/050	1933-DSB	2/17/93	4/5/93/6/2/93	6-14-93/6-2-93	ACCEPTED
	PRP-187	D	039	1933-DSB	2/17/93	4/30/93	12/3/93	ACCEPTED
	PRP-188	A	030	002-DC3	2/17/93	4/13/93	6/18/93	ACCEPTED
	PRP-188	B	028/050	002-DC3	2/17/93	4/5/93/6/2/93	6-14-93/6-2-93	ACCEPTED
	PRP-188	D	039	002-DC3	2/17/93	4/30/93	12/3/93	ACCEPTED
	PRP-189	A	030	004-DC4	2/18/93	4/13/93	6/18/93	ACCEPTED
	PRP-189	B	028/050	004-DC4	2/18/93	4/5/93/6/2/93	6-14-93/6-2-93	ACCEPTED
	PRP-189	D	032	004-DC4	2/18/93	4/13/93	12/8/94	ACCEPTED
	PRP-190	A	030	346-DC10	2/18/93	4/13/93	6/18/93	ACCEPTED
	PRP-190	B	028/050	346-DC10	2/18/93	4/5/93/6/2/93	6-14-93/6-2-93	ACCEPTED
	PRP-190	D	032	346-DC10	2/18/93	4/13/93	12/8/94	ACCEPTED
	PRP-191	A	030	2020-DC13	2/17/93	4/13/93	6/18/93	ACCEPTED
	PRP-191	B	028/050	2020-DC13	2/17/93	4/5/93/6/2/93	6-14-93/6-2-93	ACCEPTED
	PRP-191	D	039	2020-DC13	2/17/93	4/30/93	12/3/93	ACCEPTED
	PRP-192	A	030	1502-DC25	2/18/93	4/13/93	6/18/93	ACCEPTED
	PRP-192	B	028/050	1502-DC25	2/18/93	4/5/93/6/2/93	6-14-93/6-2-93	ACCEPTED
	PRP-192	D	032	1502-DC25	2/18/93	4/13/93	12/8/94	ACCEPTED
	PRP-193	A	030	1514-DC26	2/18/93	4/13/93	6/18/93	Pest/PCB elevated CRQLs - no hits
	PRP-193	B	028/050	1514-DC26	2/18/93	4/5/93/6/2/93	6-14-93/6-2-93	SVOA CRQLs exceed regulatory limits/ACCEPTED
	PRP-193	D	032	1514-DC26	2/18/93	4/13/93	12/8/94	ACCEPTED
	PRP-194	A	030	1896-DSB	2/18/93	4/13/93	6/18/93	Pest/PCB elevated CRQLs - no hits
	PRP-194	B	028/050	1896-DSB	2/18/93	4/5/93/6/2/93	6-14-93/6-2-93	ACCEPTED
	PRP-194	D	032	1896-DSB	2/18/93	4/13/93	12/8/94	ACCEPTED
	PRP-195	A	030	2091-DSB	2/17/93	4/13/93	6/18/93	ACCEPTED
	PRP-195	B	028/050	2091-DSB	2/17/93	4/5/93/6/2/93	6-14-93/6-2-93	ACCEPTED
	PRP-195	D	039	2091-DSB	2/17/93	4/30/93	12/3/93	ACCEPTED
	PRP-196	A	030	2351-DSC	2/18/93	4/13/93	6/18/93	Pest/PCB elevated CRQLs - no hits
	PRP-196	B	028/050	2351-DSC	2/18/93	4/5/93/6/2/93	6-14-93/6-2-93	ACCEPTED
	PRP-196	D	032	2351-DSC	2/18/93	4/13/93	12/8/94	ACCEPTED
	PRP-197	A	030	2497-DC27	2/18/93	4/13/93	6/18/93	Pest/PCB elevated CRQLs - no hits
	PRP-197	B	028/050	2497-DC27	2/18/93	4/5/93/6/2/93	6-14-93/6-2-93	SVOA CRQLs exceed regulatory limits/ACCEPTED
	PRP-197	D	032	2497-DC27	2/18/93	4/13/93	12/8/94	ACCEPTED
	WP-202	G	NA	Wipe sample from CAT 215	2/24/93	2/25/93	NA	NA
	WP-203	G	NA	Wipe sample from CAT 963 loader	2/24/93	2/25/93	NA	NA
COM-204/6266		B	062	2325,2348,2365,2369,2384,2764,2767,2417,2824,2836	10/31/93	3/23/94	12/20/94	ACCEPTED
COM-204/6266		C	062	2325,2348,2365,2369,2384,2764,2767,2417,2824,2836	10/31/93	3/23/94	12/20/94	ACCEPTED
COM-204		D	033	2325,2348,2365,2369,2384,2764,2767,2417,2824,2836	10/31/93	4/16/93	7/7/93	ACCEPTED
COM-205/6267		B	062	2123,2127,2137,2139,2198,2211,2240,2241,2244,2254	10/31/93	3/23/94	12/20/94	ACCEPTED
COM-205/6267		C	062	2123,2127,2137,2139,2198,2211,2240,2241,2244,2254	10/31/93	3/23/94	12/20/94	ACCEPTED
COM-205		D	033	2123,2127,2137,2139,2198,2211,2240,2241,2244,2254	10/31/93	4/16/93	7/7/93	ACCEPTED
COM-206/6288		B	062	2126,2128,2135,2148,2160,2174,2195,2202,2206,2209	10/31/93	3/23/94	12/20/94	ACCEPTED
COM-206/6288		C	062	2126,2128,2135,2148,2160,2174,2195,2202,2206,2209	10/31/93	3/23/94	12/20/94	ACCEPTED
COM-206		D	033	2126,2128,2135,2148,2160,2174,2195,2202,2206,2209	10/31/93	4/16/93	7/7/93	ACCEPTED
COM-207/6269		B	062	2203,2305,2309,2315,2323,23331,2332,2333,2362,2366	10/31/93	3/23/94	12/20/94	ACCEPTED
COM-207/6269		C	062	2203,2305,2309,2315,2323,23331,2332,2333,2362,2366	10/31/93	3/23/94	12/20/94	ACCEPTED
COM-207		D	033	2203,2305,2309,2315,2323,23331,2332,2333,2362,2366	10/31/93	4/16/93	7/7/93	ACCEPTED
COM-208/6262		B	062	2307,2308,2310,2311,2317,2318,2319,2320,2321,2322	10/31/93	3/23/94	12/20/94	ACCEPTED
COM-208/6262		C	062	2307,2308,2310,2311,2317,2318,2319,2320,2321,2322	10/31/93	3/23/94	12/20/94	ACCEPTED
COM-208		D	033	2307,2308,2310,2311,2317,2318,2319,2320,2321,2322	10/31/93	4/16/93	7/7/93	ACCEPTED
COM-209/6263		B	062	2437,2444,2456,2468,2472,2505,2510,2517,2535,2617	10/31/93	3/23/94	12/20/94	ACCEPTED
COM-209/6263		C	062	2437,2444,2456,2468,2472,2505,2510,2517,2535,2617	10/31/93	3/23/94	12/20/94	ACCEPTED
COM-209		D	033	2437,2444,2456,2468,2472,2505,2510,2517,2535,2617	10/31/93	4/16/93	7/7/93	ACCEPTED
COM-210/6264		B	062	2527,2565,2586,2603,2605,2606,2610,2611,2614,2646	10/31/93	3/23/94	12/20/94	ACCEPTED
COM-210/6264		C	062	2527,2565,2586,2603,2605,2606,2610,2611,2614,2646	10/31/93	3/23/94	12/20/94	ACCEPTED
COM-210		D	033	2527,2565,2586,2603,2605,2606,2610,2611,2614,2646	10/31/93	4/16/93	7/7/93	ACCEPTED
COM-211/6255		B	062	2647,2648,2649,2650,2653,2669,2695,2700,2701,2703	10/31/93	3/23/94	12/20/94	ACCEPTED
COM-211/6255		C	062	2647,2648,2649,2650,2653,2669,2695,2700,2701,2703	10/31/93	3/23/94	12/20/94	ACCEPTED
COM-211		D	033	2647,2648,2649,2650,2653,2669,2695,2700,2701,2703	10/31/93	4/16/93	7/7/93	ACCEPTED

SCHEDULES
A - ASP - TCL/TAL LIST (PRP & SOIL)
B - RCRA - TCLP, RX, IGN , CORR., BTU, %HALOGEN, TS (PRP & COM)
C - INCIN - PCBs(COM)
D - DIOXIN/FURAN (PRP, COM, & SOIL)
E - VOA, SVOA, METALS(COM) - NOT REQUIRED BY CONTRACT
F - SW-846 - VOA, SVOA, PEST/PCB, METALS, CN, IGN, REACT , CORR., BTU, %HALOGENATED, TS (WATERS)
G - PCB WIPE TEST (EQUIPMENT)
* - Each sample must have ALL analytical schedules accepted before payment is approved.

TABLE 3-4
PFOHL BROTHERS LANDFILL
SUMMARY OF SAMPLES SUBMITTED FOR ANALYSIS

COMPOSITE NUMBER	SAMPLE NUMBERS	ANALYTICAL SCHEDULE	URS BOOK NUMBER	SAMPLE DESCRIPTION/LOCATION	DATE SENT OUT	DATE RECEIVED	DATE ACCEPTED/REJECTED	ACCEPTED/REJECTED * REASON
	W-212	F	029	Composite water sample from decon pools	3/8/93	4/13/93	1/20/95	ACCEPTED
	W-212	D	033	Areas "B" and "C"	3/8/93	4/16/93	7/7/93	ACCEPTED
	PPE-213	B			3/8/93			
	PPE-213	C			3/8/93			
	PPE-213	D	033		3/8/93	4/16/93	7/7/93	ACCEPTED
	PPE-213	F			3/8/93			
	WP-214	G	NA	Wipe sample from PL-200	3/25/93	NA	NA	
	W-215	A	040	Leachate seep	4/13/93	5/11/93	6/8/93	ACCEPTED
	W-215	B		Leachate seep	4/13/93			
	S-216	A	040	Sediment from Leachate seep	4/13/93	5/11/93	6/8/93	ACCEPTED
	S-216	B		Sediment from Leachate seep	4/13/93			
	S-216	D	060	Sediment from Leachate seep	4/13/93	6/25/93	1/30/95	Audit response not received
	W-50K-001	D	061	Composite water sample from decon pools	4/22/93	6/25/93	9/20/93	Audit response not received
C6350		B/C	063	2823, 2825, 2833, 2835, 2839, 2842, 2845, 2846, 2847, 2848	10/31/93	3/25/94	12/20/94	ACCEPTED
C6351		B/C	063	2849, 2850, 2853, 2854, 2856, 2859, 2863, 2864, 2866, 2857	10/31/93	3/25/94	12/20/94	ACCEPTED
C6352		B/C	063	2867, 2874, 2875, 2882, 2883, 2885, 2886, 2887, 2888, 2889	10/31/93	3/25/94	12/20/94	ACCEPTED
C6353		B/C	063	2891, C105, C106, C107, C112, C113, C115, C120, C123, C126	10/31/93	3/25/94	12/20/94	ACCEPTED
C6354		B/C	063	C134, C138, C143, C147, 0038.2, 0059.2, 0704, 1313, 1334, C151	10/31/93	3/25/94	12/20/94	ACCEPTED
C6355		B/C	063	1340, 1342, 1365, 1368, 1374, 1375, 1376, 1377, 1389, 1399	10/31/93	3/25/94	12/20/94	ACCEPTED
C6356		B/C	063	1409, 1416, 1417, 1421, 1424, 1429, 1432, 1434, 1437, 1440	10/31/93	3/25/94	12/20/94	ACCEPTED
C6357		B/C	063	1441, 1443, 1470, 1474, 1475, 1491, 1574, 1582, 1583, 1592	10/31/93	3/25/94	12/20/94	ACCEPTED
C6358		B/C	063	1597, 1600, 1615, 1637, 1640, 1641, 1665, 1678, 1681, 1691	10/31/93	3/25/94	12/20/94	ACCEPTED
C6359		B/C	063	1692, 1695, 1696, 1701, 1715, 1725, 1726, 1732, 1733, 1736	10/31/93	3/25/94	12/20/94	ACCEPTED
C6360		B/C	063	1744, 1788, 1752, 1755, 1757, 1766, 1768, 1770, 1771, 1776	10/31/93	3/25/94	12/20/94	ACCEPTED
C6361		B/C	063	1790, 1799, 1801, 1819, 1821, 1823, 1824, 1825, 1826, 1831	10/31/93	3/25/94	12/20/94	ACCEPTED
C6362		B/C	063	1835, 1840, 1841, 1842, 1843, 1847, 1854, 1858, 1859, 1861	10/31/93	3/25/94	12/20/94	ACCEPTED
C6363		B/C	063	1869, 1870, 1875, 1878, 1879, 1884, 1887, 1889, 1894, 1902	10/31/93	3/25/94	12/20/94	ACCEPTED
C6364		B/C	063	1911, 1913, 1914, 1920, 1924, 1927, 1932, 1946, 1958, 1966	10/31/93	3/25/94	12/20/94	ACCEPTED
C6365		B/C	063	1967, 1971, 1981, 1982, 1984, 1985, 1989, 1999, 2014, 2026	10/31/93	3/25/94	12/20/94	ACCEPTED
C6366		B/C	063	2027, 2032, 2050, 2078, 2084, 2095, 2093, 2094, 2097, 2098	10/31/93	3/25/94	12/20/94	ACCEPTED
C6367		B/C	063	2099, 2116, 2124, 2125, 2140, 2149, 2150, 2152, 2153, 2156	10/31/93	3/25/94	12/20/94	ACCEPTED
C6368		B/C	063	2157, 2158, 2163, 2169, 2172, 2173, 2176, 2180, 2181, 2184	10/31/93	3/25/94	12/20/94	ACCEPTED
C6369		B/C	063	2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2196	10/31/93	3/25/94	12/20/94	ACCEPTED
C6270		B/C	064	1444, 1455, 1472, 1488, 1511, 1520, 1533, 1535, 1654, 1657	10/31/93	4/11/94	6/20/94	ACCEPTED
C6271		B/C	064	1659, 1660, 1664, 1811, 2167, 2852, 2862, 0115 2, 1372, 1373	10/31/93	4/11/94	6/20/94 / 3/17/95	ACCEPTED
C6272		B/C	064	1378, 1386, 1388, 1392, 1398, 1400, 1406, 1410, 1412, 1447	10/31/93	4/11/94	6/20/94 / 3/17/95	ACCEPTED
C6273		B/C	064	1451, 1452, 1458, 1460, 1461, 1462, 1463, 1465, 1467, 1469	10/31/93	4/11/94	6/20/94 / 3/17/95	ACCEPTED-PARTIAL
C6274		B/C	064	1471, 1478, 1479, 1481, 1489, 1484, 1492, 1493, 1497, 1498	10/31/93	4/11/94	6/20/94 / 3/17/95	ACCEPTED-PARTIAL
C6275		B/C	064	1499, 1500, 1501, 1503, 1504, 1505, 1506, 1507, 1508, 1510	10/31/93	4/11/94	6/20/94 / 3/17/95	ACCEPTED
C6276		B/C	064	1516, 1517, 1518, 1521, 1522, 1524, 1530, 1537, 1538, 1539	10/31/93	4/11/94	6/20/94 / 3/17/95	ACCEPTED
C6277		B/C	064	1540, 1541, 1542, 1543, 1545, 1546, 1548, 1550, 1551, 1553	10/31/93	4/11/94	6/20/94 / 3/17/95	ACCEPTED
C6278		B/C	064	1554, 1556, 1557, 1558, 1559, 1560, 1561, 1562, 1563, 1564	10/31/93	4/11/94	6/20/94 / 3/17/95	ACCEPTED
C6279		B/C	064	1565, 1567, 1569, 1571, 1572, 1573, 1575, 1577, 1585, 1586	10/31/93	4/11/94	6/20/94 / 3/17/95	ACCEPTED
C6280		B/C	064	1587, 1588, 1614, 1629, 1650, 1652, 1653, 1656, 1663, 1589	10/31/93	4/11/94	6/20/94 / 3/17/95	ACCEPTED
C6281		B/C	064	1765, 1787, 1808, 1810, 1817, 1828, 1852, 1965, 1997, 1998	10/31/93	4/11/94	6/20/94 / 3/17/95	ACCEPTED
C6282		B/C	064	2046, 2058, 2059, 2327, 2410, 2590, 2716, 2760, 2841, 2851	10/31/93	4/11/94	6/20/94 / 3/17/95	ACCEPTED
C6283		B/C	064	2855, 2858, 2860, 2861, 2869, C118, C131, 0065.1, 0199, 1151	10/31/93	4/11/94	6/20/94 / 3/17/95	ACCEPTED
C6284		B/C	064	1160, 1167, 1177, 1178, 1184, 1251, 1252, 1255, 1355, 1183	10/31/93	4/11/94	6/20/94 / 3/17/95	ACCEPTED
C6285		B/C	064	1356, 1357, 1361, 1363, 1366, 1367, 1370, 1380, 1381, 1382	10/31/93	4/11/94	6/20/94 / 3/17/95	ACCEPTED
C6286		B/C	064	1383, 1384, 1385, 1391, 1393, 1394, 1395, 1396, 1397, 1401	10/31/93	4/11/94	6/20/94 / 3/17/95	ACCEPTED
C6287		B/C	064	1405, 1407, 1414, 1418, 1419, 1420, 1422, 1425, 1427, 1415	10/31/93	4/11/94	6/20/94 / 3/17/95	ACCEPTED
C6288		B/C	064	1428, 1430, 1436, 1445, 1446, 1448, 1449, 1550, 1453, 1454	10/31/93	4/11/94	6/20/94 / 3/17/95	ACCEPTED
C6289		B/C	064	1456, 1457, 1459, 1464, 1466, 1473, 1476, 1477, 1480, 1482	10/31/93	4/11/94	6/20/94 / 3/17/95	ACCEPTED-PARTIAL
C6290		B/C	065	1483, 1485, 1497, 1490, 1494, 1495, 1509, 1512, 1515, 1523	10/31/93	4/11/94	6/20/94 / 3/17/95	ACCEPTED
C6291		B/C	065	1525, 1526, 1527, 1528, 1529, 1531, 1532, 1534, 1536, 1547	10/31/93	4/11/94	6/20/94 / 3/17/95	ACCEPTED
C6292		B/C	065	1568, 1570, 1579, 1580, 1581, 1584, 1591, 1593, 1594, 1597	10/31/93	4/11/94	6/20/94 / 3/17/95	ACCEPTED
C6293		B/C	065	1596, 1598, 1599, 1601, 1602, 1603, 1604, 1605, 1606, 1607	10/31/93	4/11/94	6/20/94 / 3/17/95	ACCEPTED
C6294		B/C	065	1608, 1610, 1611, 1612, 1613, 1616, 1617, 1619, 1620, 1622	10/31/93	4/11/94	6/20/94 / 3/17/95	ACCEPTED
C6295		B/C	065	1623, 1625, 1626, 1627, 1628, 1630, 1631, 1632, 1633, 1634	10/31/93	4/11/94	6/20/94 / 3/17/95	ACCEPTED
C6296		B/C	065	1635, 1639, 1642, 1644, 1646, 1647, 1648, 1655, 1666	10/31/93	4/11/94	6/20/94 / 3/17/95	ACCEPTED
C6297		B/C	065	1667, 1668, 1669, 1670, 1671, 1672, 1673, 1674, 1675, 2647	10/31/93	4/11/94	6/20/94 / 3/17/95	ACCEPTED
C6298		B/C	065	1676, 1677 ,1679, 1680, 1682, 1683, 1684, 1685, 1686, 1687	10/31/93	4/11/94	6/20/94 / 3/17/95	ACCEPTED
C6299		B/C	065	1688, 1689, 1690, 1693, 1694, 1697, 1698, 1699, 1700, 1702	10/31/93	4/11/94	6/20/94 / 3/17/95	ACCEPTED

SCHEDULES
A - ASP - TCL/TAL LIST (PRP & SOIL)
B - RCRA - TCLP, RX, IGN , CORR., BTU, %HALOGEN, TS (PRP & COM)
C - INCIN - PCBs(COM)
D - DIOXIN/FURAN (PRP, COM, & SOIL)
E - VOA, SVOA, METALS(COM) - NOT REQUIRED BY CONTRACT
F - SW-846 - VOA, SVOA, PEST/PCB, METALS, CN, IGN, REACT., CORR., BTU, %HALOGENATED, TS (WATERS)
G - PCB WIPE TEST (EQUIPMENT)
* - Each sample must have ALL analytical schedules accepted before payment is approved

TABLE 3-4
PFOHL BROTHERS LANDFILL
SUMMARY OF SAMPLES SUBMITTED FOR ANALYSIS

COMPOSITE NUMBER	SAMPLE NUMBERS	ANALYTICAL SCHEDULE	URS BOOK NUMBER	SAMPLE DESCRIPTION/LOCATION	DATE SENT OUT	DATE RECEIVED	DATE ACCEPTED/REJECTED	ACCEPTED/REJECTED * REASON
C6300		B/C	065	1703, 1704, 1705, 1706, 1707, 1710, 1711, 1712, 1714, 1716	10/31/93	4/11/94	6/20/94 / 3/17/95	ACCEPTED
C6301		B/C	065	1718, 1720, 1722, 1723, 1724, 1727, 1739, 1743, 1749, 1759	10/31/93	4/11/94	6/20/94 / 3/17/95	ACCEPTED
C6302		B/C	065	1761, 1763, 1767, 1769, 1772, 1773, 1777, 1781, 1784, 1791	10/31/93	4/11/94	6/20/94 / 3/17/95	ACCEPTED-PARTIAL
C6303		B/C	065	1800, 1813, 1814, 1816, 1820, 1830, 1834, 1837, 1845, 1850	10/31/93	4/11/94	6/20/94 / 3/17/95	ACCEPTED
C6304		B/C	065	1853, 1860, 1862, 1863, 1864, 1865, 1866, 1867, 1874, 1877	10/31/93	4/11/94	6/20/94 / 3/17/95	ACCEPTED
C6305		B/C	065	1881, 1882, 1885, 1890, 1891, 1892, 1893, 1895, 1898, 1899	10/31/93	4/11/94	6/20/94 / 3/17/95	ACCEPTED
C6306		B/C	065	1900, 1901, 1905, 1906, 1909, 1915, 1916, 1917, 1919, 1921	10/31/93	4/11/94	6/20/94 / 3/17/95	ACCEPTED
C6307		B/C	065	1925, 1929, 1930, 1931, 1934, 1936, 1937, 1938, 1940, 1941	10/31/93	4/11/94	6/20/94 / 3/17/95	ACCEPTED
C6308		B/C	065	1943, 1945, 1947, 1948, 1952, 1953, 1954, 1956, 1957, 1959	10/31/93	4/11/94	6/20/94 / 3/17/95	ACCEPTED
C6309		B/C	065	1960, 1962, 1963, 1964, 1968, 1972, 1973, 1975, 1976, 1977	10/31/93	4/11/94	6/20/94 / 3/17/95	ACCEPTED
C6390		B/C	066	2436,2452,2454,2464,2469,2481,2487,2498,2501,2502	12/01/93	7/29/94	6/20/94 / 3/17/95	ACCEPTED
C6391		B/C	066	2503,2506,2508,2511,2515,2518,2522,2523,2524,2507	12/01/93	7/29/94	6/20/94 / 3/17/95	ACCEPTED
C6392		B/C	066	2528,2529,2531,2592,2597,2600,2601,2602,2619,2625	12/01/93	7/29/94	6/20/94 / 3/17/95	ACCEPTED
C6393		B/C	066	2633,2667,2696,2705,2706,2708,2711,2727,2748,2813	12/01/93	7/29/94	6/20/94 / 3/17/95	ACCEPTED
C6394		B/C	066	2843,2881,C104,C128,2872,0800,1229,1413,1426,1433	12/01/93	7/29/94	6/20/94 / 3/17/95	ACCEPTED
C6395		B/C	066	1438,1544,1590,1844,1857,1880,1888,1935,1939,1942	12/01/93	7/29/94	6/20/94 / 3/17/95	ACCEPTED
C6396		B/C	066	2051,2060,2064,2065,2075,2114,2119,2121,2171,2346	12/09/93	7/29/94	6/20/94 / 3/17/95	ACCEPTED
C6397		B/C	066	2347,2349,2356,2368,2385,2388,2390,2392,2395,2396	12/09/93	7/29/94	6/20/94 / 3/17/95	ACCEPTED
C6398		B/C	066	2397,2398,2399,2401,2402,2406,2407,2408,2420,2425	12/09/93	7/29/94	6/20/94 / 3/17/95	ACCEPTED
C6399		B/C	066	2428,2429,2430,2431,2432,2434,2453,2458,2463,2467	12/09/93	7/29/94	6/20/94 / 3/17/95	ACCEPTED
C6400		B/C	066	2525,2571,2585,2591,2607,2615,2620,2634,2651,2674	12/09/93	7/29/94	6/20/94 / 3/17/95	ACCEPTED
C6401		B/C	066	2675,2697,2698,2744,2749,2750,2751,2800,2877,2878	12/09/93	7/29/94	6/20/94 / 3/17/95	ACCEPTED
C6402		B/C	066	2880,C111,C114,C121 2,1439,1856,1876,1944,2373,2382	12/09/93	7/29/94	6/20/94 / 3/17/95	ACCEPTED
C6403		B/C	066	2752,2753,2831,C127,C133,C145,C146,1868	12/09/93	7/29/94	6/20/94 / 3/17/95	ACCEPTED
C6404		B/C	066	2419,2459	12/09/93	7/29/94	6/20/94 / 3/17/95	ACCEPTED-PARTIAL
C6405		B/C	066	1926,1912	12/09/93	7/29/94	6/20/94 / 3/17/95	ACCEPTED-PARTIAL
C6433		B/C	066	1304,1379,1133,1645,1740,1832,1886,1897,1907,1910	12/09/93	7/29/94	6/20/94 / 3/17/95	ACCEPTED
C6434		B/C	066	1955,1961,1996,2045,2343,2361,2363,2375,2376,2378	12/09/93	7/29/94	6/20/94 / 3/17/95	ACCEPTED-PARTIAL
C6435		B/C	066	2427,2513,0912,2044,2177	12/09/93	7/29/94	6/20/94 / 3/17/95	ACCEPTED-PARTIAL
C6370		B/C	067	2197,2200,2203,2208,2210,2212,2214,2220,2221,2222	11/30/93	7/29/94	6/20/94 / 3/17/95	ACCEPTED
C6371		B/C	067	2224,2225,2226,2228,2229,2230,2232,2233,2234,2235	11/30/93	7/29/94	6/20/94 / 3/17/95	ACCEPTED-PARTIAL
C6372		B/C	067	2236,2237,2239,2243,2256,2265,2314,2334,2336,2352	11/30/93	7/29/94	6/20/94 / 3/17/95	ACCEPTED
C6373		B/C	067	2354,2355,2358,2370,2418,2423,2426,2451,2475,2484	11/30/93	7/29/94	6/20/94 / 3/17/95	ACCEPTED
C6374		B/C	067	2504,2509,2508,2541,2564,2569,2576 2589,2604,2623	11/30/93	7/29/94	6/20/94 / 3/17/95	ACCEPTED
C6376		B/C	067	2710,2718,2721,2722,2723,2724,2729,2730,2732,2734	11/30/93	7/29/94	6/20/94 / 3/17/95	ACCEPTED
C6377		B/C	067	2736,2740,2741,2745,2747,2763,2765,2766,2768,2769	12/01/93	7/29/94	6/20/94 / 3/17/95	ACCEPTED
C6378		B/C	067	2770,2771,2773,2774,2778,2780,2781,2782,2784,2785	12/01/93	7/29/94	6/20/94 / 3/17/95	ACCEPTED
C6379		B/C	067	2789,2790,2791,2793,2794,2795,2796,2797,2799,2803	12/01/93	7/29/94	6/20/94 / 3/17/95	ACCEPTED
C6380		B/C	067	2804,2805,2809,2810,2812,2816,2817,2820,2826,2827	12/01/93	7/29/94	6/20/94 / 3/17/95	ACCEPTED
C6381		B/C	067	2828,2829,2830,2832,2837,2838,2840,2844,2879,2884	12/01/93	7/29/94	6/20/94 / 3/17/95	ACCEPTED
C6382		B/C	067	C108,C109,C110,C116,C117,C122,C124,C125,C129,C132	12/01/93	7/29/94	6/20/94 / 3/17/95	ACCEPTED
C6383		B/C	067	C135,C136,C137,C139,C140,C141,C142,C144,C148,C150	12/01/93	7/29/94	6/20/94 / 3/17/95	ACCEPTED
C6384		B/C	067	C152,C153,0137.2,1179,1185,1371,1387,1390,1403,1404	12/01/93	7/29/94	6/20/94 / 3/17/95	ACCEPTED
C6385		B/C	067	1408,1411,1423,1431,1435,1442,1468,1513,1638,1643	12/01/93	7/29/94	6/20/94 / 3/17/95	ACCEPTED
C6386		B/C	067	1615,1764,1827,1833,1836,1838,1846,1849,1871,1872	12/01/93	7/29/94	6/20/94 / 3/17/95	ACCEPTED
C6387		B/C	067	1873,1949,1950,1951,1969,1970,1991,2048,2053,2061	12/01/93	7/29/94	6/20/94 / 3/17/95	ACCEPTED
C6388		B/C	067	2087,2120,2136,2144,2166,2168,2216,2345,2353,2360	12/01/93	7/29/94	6/20/94 / 3/17/95	ACCEPTED
C6389		B/C	067	2367,2383,2386,2394,2404,2413,2411,2414,2416,2435	12/01/93	7/29/94	6/20/94 / 3/17/95	ACCEPTED
C6330		B/C	068	2409,2377,2379,2380,2381,2387,2397,2393,2400,.2403	11/16/93	7/29/94	6/20/94 / 3/17/95	ACCEPTED
C6331		B/C	068	2412,2415,2424,2433,2438,2439,2440,2441,2442,2443	11/17/93	7/29/94	6/20/94 / 3/17/95	ACCEPTED-PARTIAL
C6332		B/C	068	2445,2446,2447,2449,2450,2455,2457,2460,2461,2462	11/17/93	7/29/94	6/20/94 / 3/17/95	ACCEPTED
C6333		B/C	068	2465,2466,2473,2476,2477,2478,2479,2480,2482,2483	11/17/93	7/29/94	6/20/94 / 3/17/95	ACCEPTED
C6334		B/C	068	2485,2486,2491,2492,2493,2494,2495,2499,2500,2514	11/19/93	7/29/94	6/20/94 / 3/17/95	ACCEPTED-PARTIAL
C6335		B/C	068	2516,2517,2520,2521,2530,2532,2533,2534,2536,2537	11/19/93	7/29/94	6/20/94 / 3/17/95	ACCEPTED
C6336		B/C	068	2538,2539,2544,2545,2546,2547,2548,2549,2550,2551	11/19/93	7/29/94	6/20/94 / 3/17/95	ACCEPTED
C6337		B/C	068	2552,2553,2554,2555,2556,2557,2558,2559,2560,2561	11/19/93	7/29/94	6/20/94 / 3/17/95	ACCEPTED

SCHEDULES
A - ASP - TCL/TAL LIST (PRP & SOIL)
B - RCRA - TCLP, RX, IGN., CORR , BTU, %HALOGEN, TS (PRP & COM)
C - INCIN - PCBs(COM)
D - DIOXIN/FURAN (PRP, COM, & SOIL)
E - VOA, SVOA, METALS(COM) - NOT REQUIRED BY CONTRACT
F - SW-846 - VOA, SVOA, PEST/PCB, METALS, CN, IGN, REACT., CORR., BTU, %HALOGENATED, TS (WATERS)
G - PCB WIPE TEST (EQUIPMENT)
* - Each sample must have ALL analytical schedules accepted before payment is approved

TABLE 3-4
PFOHL BROTHERS LANDFILL
SUMMARY OF SAMPLES SUBMITTED FOR ANALYSIS

COMPOSITE NUMBER	SAMPLE NUMBERS	ANALYTICAL SCHEDULE	URS BOOK NUMBER	SAMPLE DESCRIPTION/LOCATION	DATE SENT OUT	DATE RECEIVED	DATE ACCEPTED/REJECTED	ACCEPTED/REJECTED * REASON
C6338		B/C	068	2562,2563,2566,2567,2568,2570,2572,2573,2574,2575	11/19/93	7/29/94	6/20/94 / 3/17/95	ACCEPTED
C6339		B/C	068	2577,2578,2579,2580,2581,2582,2583,2584,2587,2588	11/19/93	7/29/94	6/20/94 / 3/17/95	ACCEPTED
C6340		B/C	068	2594,2595,2596,2598,2599,2608,2609,2612,2613,2616	11/19/93	7/29/94	6/20/94 / 3/17/95	ACCEPTED
C6341		B/C	068	2618,2621,2622,2624,2626,2627,2628,2629,2630,2631	11/19/93	7/29/94	6/20/94 / 3/17/95	ACCEPTED
C6342		B/C	068	2636,2637,2638,2640,2641,2642,2643,2545,2651,2652	11/19/93	7/29/94	6/20/94 / 3/17/95	ACCEPTED
C6343		B/C	068	2656,2658,2659,2660,2661,2662,2664,2665,2666,2668	11/19/93	7/29/94	6/20/94 / 3/17/95	ACCEPTED
C6344		B/C	068	2670,2671,2673,2676,2677,2678,2679,2680,2682,2683	11/19/93	7/29/94	6/20/94 / 3/17/95	ACCEPTED
C6345		B/C	068	2684,2685,2687,2688,2689,2691,2692,2693,2694,2699	11/24/93	7/29/94	6/20/94 / 3/17/95	ACCEPTED
C6346		B/C	068	2704,2707,2712,2714,2715,2717,2719,2726,2731	11/24/93	7/29/94	6/20/94 / 3/17/95	ACCEPTED
C6347		B/C	068	2735,2742,2743,2746,2754,2756,2757,2758,2759,2761	11/24/93	7/29/94	6/20/94 / 3/17/95	ACCEPTED
C6348		B/C	068	2762,2775,2776,2777,2779,2783,2786,2787,2798,2801	11/24/93	7/29/94	6/20/94 / 3/17/95	ACCEPTED
C6349		B/C	068	2802,2806,2808,2811,2814,2815,2818,2819,2821,2822	11/24/93	7/29/94	6/20/94 / 3/17/95	ACCEPTED
C6310		B/C	069	1979,1980,1986,1987,1988,1990,1992,1993,1994,1995	10/29/93	7/29/94	6/20/94 / 3/17/95	ACCEPTED
C6311		B/C	069	2000,2001,2002,2003,2004,2005,2006,2007,2008,2009	10/29/93	7/29/94	6/20/94 / 3/17/95	ACCEPTED
C6312		B/C	069	2010,2012,2013,2015,2016,2017,2018,2019,2021,2022	10/29/93	7/29/94	6/20/94 / 3/17/95	ACCEPTED
C6313		B/C	069	2023,2024,2025,2028,2029,2030,2031,2033,2034,2035	10/29/93	7/29/94	6/20/94 / 3/17/95	ACCEPTED
C6314		B/C	069	2036,2037,2038,2039,2040,2041,2042,2043,2049,2052	10/29/93	7/29/94	6/20/94 / 3/17/95	ACCEPTED-PARTIAL
C6315		B/C	069	2054,2055,2056,2057,2062,2063,2066,2067,2068,2069	10/29/93	7/29/94	6/20/94 / 3/17/95	ACCEPTED
C6316		B/C	069	2070,2071,2072,2073,2074,2076,2077,2079,2080,2081	10/29/93	7/29/94	6/20/94 / 3/17/95	ACCEPTED
C6317		B/C	069	2082,2083,2085,2086,2088,2089,2090,2096,2100,2101	10/29/93	7/29/94	6/20/94 / 3/17/95	ACCEPTED
C6318		B/C	069	2107,2108,2109,2110,2111,2113,2115,2117,2118,2122	10/29/93	7/29/94	6/20/94 / 3/17/95	ACCEPTED
C6319		B/C	069	2129,2130,2131,2132,2133,2134,2138,2141,2142,2143	10/29/93	7/29/94	6/20/94 / 3/17/95	ACCEPTED
C6320		B/C	069	2145,2146,2147,2151,2154,2155,2159,2161,2162,2164	10/29/93	7/29/94	6/20/94 / 3/17/95	ACCEPTED
C6321		B/C	069	2165,2170,2175,2182,2183,2199,2201,2204,2205,2207	10/29/93	7/29/94	6/20/94 / 3/17/95	ACCEPTED-PARTIAL
C6322		B/C	069	2213,2215,2217,2218,2219,2223,2231,2238,2242,2245	10/29/93	7/29/94	6/20/94 / 3/17/95	ACCEPTED-PARTIAL
C6323		B/C	069	2246,2247,2248,2249,2250,2251,2253,2255,2258,2259	10/29/93	7/29/94	6/20/94 / 3/17/95	ACCEPTED-PARTIAL
C6324		B/C	069	2260,2261,2262,2263,2264,2266,2267,2268,2270,2271	11/02/93	7/29/94	6/20/94 / 3/17/95	ACCEPTED
C6325		B/C	069	2272,2273,2274,2275,2277,2278,2279,2280,2281,2282	11/22/93	7/29/94	6/20/94 / 3/17/95	ACCEPTED-PARTIAL
C6326		B/C	069	2290,2283,2284,2285,2286,2287,2288,2289,2291,2292	11/16/93	7/29/94	6/20/94 / 3/17/95	ACCEPTED
C6327		B/C	069	2294,2295,2296,2298,2299,2300,2301,2302,2304,2312	11/16/93	7/29/94	6/20/94 / 3/17/95	ACCEPTED-PARTIAL
C6328		B/C	069	2330,2313,2324,2326,2328,2329,2337,2338,2339,2340	11/16/93	7/29/94	6/20/94 / 3/17/95	ACCEPTED-PARTIAL
C6329		B/C	069	2379,2341,2344,2350,2357,2359,2364,2371,2372	11/16/93	7/29/94	6/20/94 / 3/17/95	ACCEPTED
C6436		B/C	070	2178, 2179, 2227, 1851, 1778, 2095	12/9/93	8/2/94	12/9/94	ACCEPTED
C6438		B/C	070	479,715,720,2739,930,986,1153 2,1624,1803,1855	12/13/93	8/2/94	12/9/94	ACCEPTED
C6440		B/C	070	2890,2892,888,1127,1555,1576,1731,1735,1742,1756	12/13/93	8/2/94	12/9/94	ACCEPTED
C6441		B/C	070	1780,1797,1829,1839,1923,1928,2720	12/13/93	8/2/94	12/9/94	ACCEPTED
C6442		B/C	070	2733,2737,2738,2873,790,701	12/13/93	8/2/94	12/9/94	ACCEPTED
C6443		B/C	070	610,903,2421,2422,439,844,887,902,424	12/13/93	8/2/94	12/9/94	ACCEPTED
C6444		B/C	070	1806,1812,1549,1566,1578,1751,1762,1779,1794,1802	12/13/93	8/2/94	12/9/94	ACCEPTED
C6445		B/C	070	1804,1805,1618,1741 2,1750,1760,1775,1786,1795	12/13/93	8/2/94	12/9/94	ACCEPTED
C6446		B/C	070	1809,1661,1807,1818,1709,1719,1745,1793,1822,1848	12/13/93	8/2/94	12/9/94	ACCEPTED
C6447		B/C	070	,066,068,078,086,1621,1636,1713,1717,1721,1728	12/13/93	8/2/94	12/9/94	ACCEPTED
C6448		B/C	070	1729,1730,1734,1737,1738,1746,1747.2,1753,1754,1758	12/13/93	8/2/94	12/9/94	ACCEPTED
C6449		B/C	070	1774,1783,1785,1788,1789,1796,1798	12/13/93	8/2/94	12/9/94	ACCEPTED
C6450		B/C	070	014,189,391,588,744,1050,1063	12/13/93	8/2/94	12/9/94	ACCEPTED
C6451		B/C	070	1095,1124,1519,1658,1662,1815	12/13/93	8/2/94	12/9/94	ACCEPTED
C6452		B/C	070	931,1918,2112,2496,2792,2868,2870	12/13/93	8/2/94	12/9/94	ACCEPTED
2194		B/C	070	2194		8/2/94	1/30/95	ACCEPTED
2405		B/C	070	2405		8/2/94	1/30/95	ACCEPTED

SCHEDULES
A - ASP - TCL/TAL LIST (PRP & SOIL)
B - RCRA - TCLP, RX, IGN , CORR., BTU, %HALOGEN, TS (PRP & COM)
C - INCIN - PCBs(COM)
D - DIOXIN/FURAN (PRP, COM, & SOIL)
E - VOA, SVOA, METALS(COM) - NOT REQUIRED BY CONTRACT
F - SW-846 - VOA, SVOA, PEST/PCB, METALS, CN, IGN, REACT., CORR., BTU, %HALOGENATED, TS (WATERS)
G - PCB WIPE TEST (EQUIPMENT)
* - Each sample must have ALL analytical schedules accepted before payment is approved.

TABLE 3-5

PRP SAMPLE SUMMARY

Drum Cluster	# of Samples Taken	Drum ID #'s	# of Drums Overpacked at Cluster
DC-2	1	003	1
DC-3	1	002	4
DC-4	1	004	6
DC-5	4	023, 024, 053, 074	69
DC-6	2	006, 010	22
DC-9	2	091, 095	670
DC-10	2	510, 346	197
DC-13	1	2020	75
DC-14	4	578, 920, 686, 794	544
DC-22	1	2276	180
DC-24	3	1609, 1792, 1708	362
DC-25	1	1502	15
DC-26	1	1514	12
DC-27	2	2474, 2497	351
DSB	3	1933, 1896, 2091	166
DSC	3	2306, 2389, 2351	248
TOTAL --->	**32**		

DSB: Drum Sweep, Area B
DSC: Drum Sweep, Area C

TABLE 3-6
SOIL SAMPLING SUMMARY

Sample I.D.	Location	Analytical Schedule	Sample Type
S-012,013,014	DC-14	A, D	Composite (At Lab)
S-016	DC-9	A, D	Composite
S-020	Area B Soil Stockpile	D	Composite
S-058	DC-22*	A, D	Composite
S-169	TT#23*	D	Grab
S-170	TT#29	A, D	Composite
S-171	DC-27 spoils	D	Composite
S-172	DC-27 spoils	A, D	Composite

Analytical Schedules:

A: ASP-TCL/TAL List
D: Dioxin-Dioxinfuran

*Soil contained free product

TABLE 4-1

PFOHL BROTHERS LANDFILL IRM

PRP's IDENTIFIED BY DRUM LABELS

PRP	DRUM INVENTORY NUMBER(S)
Roth Smelting	003-DC2
Ross & White Company	006-DC6, 010-DC6
Dow Chemical	053-DC5
American Lubrication	510-DC10
MD Products	686-DC14, 794-DC14
Celanese Chemical Company	1708-DC24
Wheelabrator Company	1933-DSB

Note: With the exception of drum 794-DC14, all the above drums were subject to PRP specific chemical analysis.

FIGURES

OHM Corporation

DRUM INVENTORY LOG

DRUM NO _____
PROJECT NUMBER _____
PAGE _____ OF _____

PROJECT LOCATION _____ LOGGER _____ DATE _____
PROJECT CONTACT _____ SAMPLER _____ DATE _____ TIME _____
PHONE _____ WEATHER _____

DRUM TYPE: FIBER ☐ POLY-LINED ☐ STEEL ☐ POLY ☐ STAINLESS STEEL ☐ NICKEL ☐
LID TYPE: RINGTOP ☐ CLOSED TOP ☐ SEAL: YES ☐ NO ☐
DRUM CONDITION: MEET DOT SPEC. ☐ GOOD ☐ FAIR ☐ POOR ☐
DRUM SIZE: 110 ☐ 85 ☐ 55 ☐ 42 ☐ 30 ☐ 16 ☐ 10 ☐ 5 ☐ OTHER ___
DRUM CONTENTS: VOLUME FULL ☐ 75% ☐ 50% ☐ 25% ☐ >25% ☐ 10% MT ☐
OVERPACKED: NO ☐ YES ☐ Overpack Type: POLY ☐ STEEL ☐ OVERPACK SIZE: 110 ☐ 85 ☐ 55 ☐ 30 ☐ 5 ☐

	PHYS. STATE				COLOR	CLARITY			LAYER THICKNESS
LAYERS	LIQUID	SOLID	GEL	SLUDGE	USE STD COLORS	CLEAR	CLOUDY	OPAQUE	
T									
M									
B									

DRUM CONDITION: LEAKING ☐ BULGED ☐ DENTED ☐ CORRODED ☐ AND EXTENT(%) ____%

pH _____ SU PID _____ ppm
DOSIMETER _____
OTHER _____

DRUM LABELS/MARKINGS

DOT HAZ _____ UN/NA _____

MFG NAME _____
CHEMICAL NAME _____
ADDITIONAL INFORMATION _____

LABORATORY COMPATIBILITY DATA

☐ MARK IF PHYSICAL STATE AND COLOR MATCHES THE ABOVE INFORMATION. IF NOT, STOP ANALYSIS AND NOTIFY PROJECT CONTACT. FURTHER WORK WILL NOT BE PAID FOR.

COMPATIBILITY CAT: _____
ANALYSTS: _____
DATE PERFORMED: _____

RADIATION: POS ☐ NEG ☐ ____ MREM/HR

	PHYS. STATE				COLOR	CLARITY			WATER SOL	REACT	pH	HEX. SOL	PER	OXID	CN	SUL	BIEL-STEIN	FLASH POINT		
LAYERS	LIQUID	SOLID	GEL	SLUDGE	USE STD COLORS	CLEAR	CLOUDY	OPAQUE	SOLUBILITY SPSI DENSITY H OR L	A=AIR W=WATER	STD. UNIT	S OR I	+ OR −	+ OR −	+ OR −	+ OR −	+ OR −	<60°C + OR −		
T																				
M																				
B																				

COMMENTS: _____

PCB CONC. _____ PPM FLASH POINT _____ °C COMPATIBILITY COMP. BULK # _____
DATA REVIEWER: _____ DATA REVIEW DATE: _____
FIELD REVIEWER: _____ FIELD REVIEW DATE: _____

TRANSFER NUMBER	TRANSFERS RELINQUISHED BY	TRANSFERS ACCEPTED BY	DATE	TIME
1				
2				
3				

AH - 9543

F-212a 11-22-91

FIGURE 3-1

AREA B

AREA C

SUSPECT DRUM AREA

CLAY PILE

AREA OF KNOWN OR SUSPECTED DRUM LOCATION

TOPSOIL PILE

CDM FENCED DRUM STORAGE AREA

DECON PAD

OHM BORROW AREA

SOIL STAGING PAD

TEMP PLYWOOD DRUM STORAGE PAD

5 CONC. DRUM STORAGE PAD

TEMP. DRUM STORAGE PAD

CRUSHED DRUM PIT

SUPPORT ZONE AREA B

SUPPORT ZONE AREA C

CDM DRUM STORAGE AREA (DRILL CUTTINGS)

CONC. SOIL STAGING PAD (HOLDING DRUMS)

CONC. DRUM STORAGE PAD

TEMP. PLYWOOD DRUM STORAGE PAD

TAR DELINEATION & REMOVAL AREA (TT-23, TT-30)

SOIL STAGING PILES (2)

CONTAMINATED SOIL

SURFACE CONC.

NEW 650' CHAIN LINK GALVANIZED FENCE ADDED BY OHM (CHANGE ORDER No 2)

TRANSIT ROAD EMBANKMENT WAS REMOVED IN MAY 1992

EAST FENCE

NOTES

1. ALL EXPOSED DRUMS REMOVED FROM 100 YEAR FLOOD PLAIN (AS DEFINED BY AREA WITHIN 695 FOOT CONTOUR LINE)
2. IN AREA 'B', ALL EXPOSED DRUMS HAVE BEEN REMOVED EXCEPT WHERE NOTED
3. IN AREA 'C', ENTIRE AREA IS KNOWN OR IS SUSPECT OF HAVING EXPOSED DRUM AREAS AND/AS WHERE THE PRESENCE OF DRUMS HAVE BEEN CONFIRMED ARE ENCIRCLED
4. AERIAL PHOTOGRAPHY PROVIDED TO URS CONSULTANTS BY THE NYSDEC THROUGH CAMP DRESSER & McKEE, BOSTON, MA. COMPILATION OF BASE MAPPING WAS NOT VERIFIED AS PART OF THIS PROJECT. DATE OF PHOTOGRAPHY IS UNKNOWN

WARNING
IT IS A VIOLATION OF SECTION 7209, SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW FOR ANY PERSON, OTHER THAN THOSE SEAL APPEARS ON THIS DRAWING TO ALTER IN ANY WAY AN ITEM ON THIS DRAWING IF AN ITEM IS ALTERED THE ALTERING ENGINEER SHALL AFFIX TO THE ITEM HIS SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION

LEGEND

- DELINEATED DRUM CLUSTER AREA
- DELINEATED AREAS OF CONCENTRATED DRUMS (DRUM SWEEP AREAS)
- DRUM CLUSTERS AS DEFINED BY CDM
- CDM TEST PIT LOCATION
- TEST TRENCH (TT-24)
- TAR DELINEATION AREA
- SUSPECT DRUM AREA

SCALE: 1" = 100' FEET

NO.	DATE	BY	DESCRIPTION
3	5/25/93		SUBED TO DEC FOR USE BY PRP's
2	12/3/92		ADDED TT-30 AND REVISED CALL OUTS
1	9/3/92		TT-29

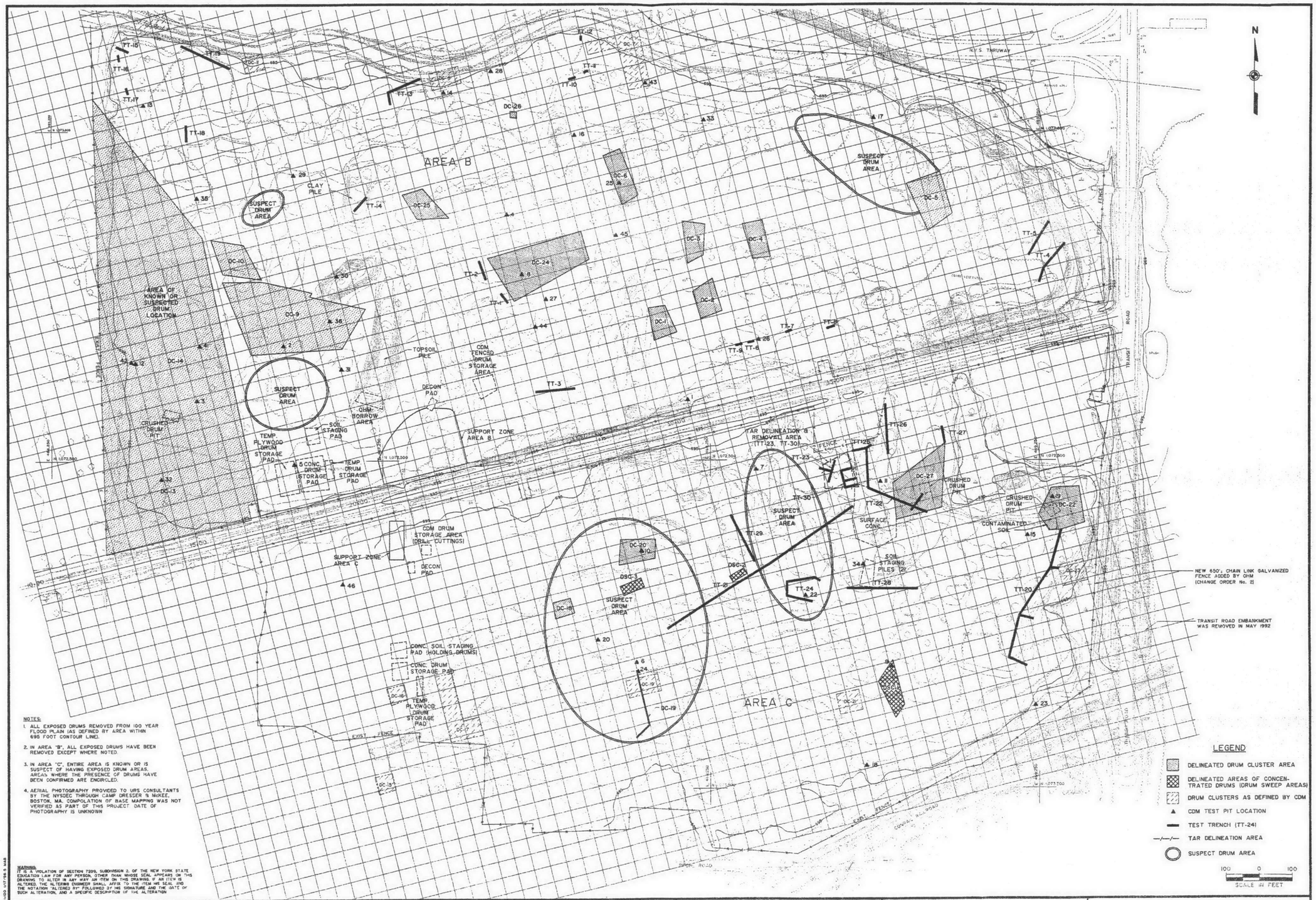
DESIGNED BY JF
DRAWN BY K.A.H.

URS Consultants, Inc.
CONSULTING ENGINEERS

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

PFOHL BROTHERS LANDFILL
SITE NO. 9-15-147

PFOHL BROTHERS LANDFILL
IRM RECORD DWG. AREA B & C
JUNE 26 1992 THRU FEB 20. 1993



NOTES:

1. ALL EXPOSED DRUMS REMOVED FROM 100 YEAR FLOOD PLAIN (AS DEFINED BY AREA WITHIN 690 FOOT CONTOUR LINE).
2. IN AREA "B", ALL EXPOSED DRUMS HAVE BEEN REMOVED EXCEPT WHERE NOTED.
3. IN AREA "C", ENTIRE AREA IS KNOWN OR IS SUSPECT OF HAVING EXPOSED DRUM AREAS. AREAS WHERE THE PRESENCE OF DRUMS HAVE BEEN CONFIRMED ARE ENCIRCLED.
4. AERIAL PHOTOGRAPHY PROVIDED TO URS CONSULTANTS BY THE NYSDEC THROUGH CAMP DRESSER & McKEE, BOSTON, MA. COMPOLATION OF BASE MAPPING WAS NOT VERIFIED AS PART OF THIS PROJECT. DATE OF PHOTOGRAPHY IS UNKNOWN

WARNING:
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NO.	DATE	DESCRIPTION
-	3/24/93	ISSUED TO DEC FOR USE BY PRP's
-	1/26/96	ADDED TT-30 AND REFINED CALL OUTS
-	1/26/96	ISSUED TO DEC AS FINAL

REVISIONS

DESIGNED BY: JF
DRAWN BY: K.A.H.
CHECKED BY: E.L.B.
PROJ. ENGR: R.H.

URS Consultants, Inc.
CONSULTING ENGINEERS
BUFFALO NEW YORK

JOB No. 35242

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

PFOHL BROTHERS LANDFILL
CHEEKTOWAGA NEW YORK

PFOHL BROTHERS LANDFILL
NYSDEC SITE NO. 09-15-043

IRM RECORD DWG. AREA B & C
JUNE 26, 1992 THRU FEB. 20, 1993

DWG. NO. 1