FINAL INTERIM REMEDIAL MEASURE COMPLETION REPORT FOR PCB-IMPACTED SOILS 3456 ONEIDA STREET

SITE NO. 6-33-049

WORK ASSIGNMENT NO. D004444-2

Prepared for:

New York State Department of Environmental Conservation Albany, New York

Prepared by:

MACTEC Engineering and Consulting, P.C. 511 Congress Street
Portland, Maine 04101

MACTEC: 3612072095

SEPTEMBER 2008

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John Peterson

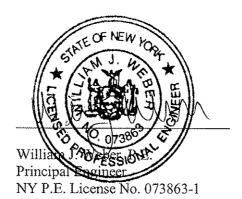
Principal Professional

Ryan Belcher

Project Engineer

ENGINEER'S CERTIFICATION

I, William J. Weber, residing at MACTEC Engineering and Consulting, P.C., 511 Congress Street, Portland, Maine, 04101, certify that at all pertinent times hereinafter mentioned was, a currently registered professional engineer; was the individual who had primary direct responsibility for the implementation of the subject remedial program; and that all requirements of the remedial program have been complied with.



MACTEC Engineering and Consulting, P.C. 511 Congress Street

Portland, Maine 04101

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GLOSSARY OF ACRONYMS AND ABBREVIATIONS

bgs below ground surface

IRM Interim Remedial Measure

MACTEC Engineering and Consulting, P.C.

mg/kg milligrams per kilogram

NYSDEC New York State Department of Environmental Conservation

PCB Polychlorinated Biphenyls

RI remedial investigation

Royal Environmental Services

Site 3456 Oneida Street site

VOC volatile organic compound

1.0 INTRODUCTION

MACTEC Engineering and Consulting, P.C. (MACTEC), under contract to the New York State Department of Environmental Conservation (NYSDEC), is submitting this Interim Remedial Measure (IRM) Completion Report for the 3456 Oneida Street site (Site) (formerly the Madden Property Site) in New Hartford, Oneida County, New York (see Figures 1.1 and 1.2). This IRM Completion Report is being submitted under the NYSDEC Work Assignment # D004444-2, and in accordance with the July 2005 Superfund Standby Contract between MACTEC and the NYSDEC.

This IRM Completion Report presents MACTEC's field oversight and subcontractor activities completed in support of the excavation, transportation, and off-Site disposal of approximately 400 cubic yards of surface soils containing levels of polychlorinated biphenyls (PCBs) generally exceeding the Toxic Substances Control Act threshold for hazardous waste classification of 50 milligrams per kilogram (mg/kg).

The purpose of this report is to document that the removal, handling, and disposal of PCB contaminated soils has been conducted and that the design components have been addressed in compliance with the approved specification of the IRM (MACTEC, 2007a) and appropriate regulatory guidance.

The IRM completion report provides the following information:

- a description of work performed during the IRM;
- photographic documentation of the project;
- a summary of data collected during completion of the IRM; and
- final record drawings of the remediation.

2.0 PROJECT SUMMARY

The IRM was performed to remediate PCB impacted soil from a selected area of the Site that contained PCB concentrations generally exceeding 50 mg/kg in soil at depths from approximately 0 to 2 feet below ground surface (bgs). The purpose of the remediation was to reduce the risk of human and ecological exposure to PCBs by removing the source soils and backfilling with clean material.

The work activities associated with the IRM are detailed in this report.

2.1 INTERIM REMEDIAL ACTION

The IRM included the following general components of work:

- 1. Installation of erosion controls.
- 2. Excavation and removal of PCB contaminated soil.
- 3. Confirmation sampling from the bottom and sidewalls of the excavation.
- 4. Decontamination of equipment.
- 5. Backfill and compaction of the excavation with specified common borrow and aggregate fill materials.
- 6. Final Survey of the IRM excavation limits.

2.2 PROJECT REQUIREMENTS

The IRM requirements are described in the Final IRM Work Plan for 3456 Oneida Street; Site No. 6-33-049, November, 2007, (MACTEC, 2007a). The IRM work plan includes the technical specifications, figures, and work requirements relating to work limits and confirmation sampling locations.

2.3 PROJECT ROLES

NYSDEC retained MACTEC as the Design Engineer and General Contractor for the project. MACTEC provided construction oversight, inspection, and quality assurance on behalf of the NYSDEC. In MACTEC's role as General Contractor, the following duties were performed:

- oversight and inspection of the IRM;
- review of project submittals, and requests for information;
- direction of the constructed work based on conformance with the contract documents;
- coordination with the remediation subcontractor, contractor, Royal Environmental Services (Royal); and
- administration of the sampling and analysis program including testing frequency, location, on-Site analysis, and review of on-and off-Site analytical results.

MACTEC also facilitated changes to the specifications, approved proposed material substitutions, and validated analytical results.

MACTEC subcontracted with Royal to perform the excavation, transportation and disposal, and backfilling portions of the project. Their obligations included construction quality control, project scheduling, Site health and safety, and excavation of PCB-contaminated soil. Royal subcontracted with Waste Management to perform the transportation and disposal of the contaminated soil.

NYSDEC provided regulatory review, acceptance and approval of the IRM work plan, and oversight of the IRM.

3.0 SCOPE OF WORK

MACTEC prepared an IRM Work Plan (MACTEC, 2007a) to address the readily accessible PCB-contaminated surface soil source area identified during the Phase I Remedial Investigation (RI) field work. The IRM Work Plan outlined the roles and responsibilities of MACTEC, MACTEC's selected remediation subcontractor (Royal), and the NYSDEC (MACTEC, 2007b). Consistent with the Preliminary (Phase I) RI Report (MACTEC, 2007b), the IRM Work Plan identified the proposed extent of excavation as the source area shown in Figure 3.1, as the excavation extent. As shown on Figure 3.1, the proposed excavation extent consisted largely of source area soils to a depth of two feet below grade, with two adjacent areas proposed for excavation to approximately one foot below grade.

4.0 WORK COMPLETED

4.1 TEMPORARY EROSION AND SEDIMENTATION CONTROLS

Temporary soil erosion and sedimentation controls were installed prior to initiating any disturbances at the Site. This included the installation of silt fence along portions of the westerly boundary of the Site adjacent to the Sauquoit Creek. In addition, a silt fence was installed across the Unnamed Tributary at about half way between the work area and the Sauquoit Creek to prevent sediment from entering the Creek.

4.2 REMOVAL OF PCB IMPACTED SOIL

The approach to the remediation was to remove soils from the Site which contained PCB's greater than 10 mg/kg. Based on the results of the RI (MACTEC, 2007b), the limits of excavation included an estimated volume of 250 cubic yards of soil. The proposed limits of excavation from the IRM Work Plan are depicted in Figure 3.1. During the IRM the bottom depth of the excavation was expanded based on the results of on-Site analysis of confirmation samples. Several bottom samples contained PCB concentrations above 10 mg/kg and the area surrounding these locations was excavated to a greater depth. Confirmation sample locations are shown in Figure 4.1. In general, the final extent of the northeastern half of the excavation was remediated an additional 1 foot beyond the originally proposed depth of 2 feet bgs. The final extent of southwestern half of the excavation was generally as proposed in the IRM Work Plan. The horizontal extent of the excavation was not expanded. The final extents of the excavation and confirmation sample locations are shown in Figure 4.2. A total of 632 tons, approximately 400 cubic yards, of PCB contaminated soil was removed from the Site.

During remedial activities, perched groundwater infiltrated the excavation. After consultation with the NYSDEC, groundwater was diverted from the immediate work area into completed portions of the excavation. Due to the presence of water in the excavation at the time of completion, crushed stone was used for backfill in areas where water was present. Backfill and Grading is discussed further in subsection 4.6.

4.2.1 Construction Chronology

The excavation of PCB-contaminated soils took place from November 26, 2007 through December 6, 2007. This section provides a summary of the IRM activities, including soils excavated and sampling and analysis conducted.

November 26, 2007

IRM excavation activities began on November 26, 2007 in southwest portion of the proposed two-foot deep excavation. Subsequent to excavation of contaminated soils to the proposed extents within this area, MACTEC collected sidewall confirmation samples SG-009, SG-010, SG-011, SG-012 and excavation bottom confirmation samples SG-004, SG-005. Soil excavation activities then proceeded to the proposed southern one-foot deep excavation. Subsequent to excavation of contaminated soils to the proposed extents within this area, MACTEC collected sidewall confirmation samples SG-013, SG-014, SG-015 and bottom confirmation sample SG-003. All confirmation samples were analyzed on-Site for PCBs by MACTEC and all results for these samples were below 10 mg/kg. Confirmation samples SG-011 and SG-004 were also submitted for off-Site laboratory analysis for PCBs and all results for these samples were below 10 mg/kg. A summary of the analytical data is presented in Table 4.1. Off-Site laboratory analysis confirmation sample results are presented in Appendix A.

November 27, 2007

On November 27, 2007 IRM excavation activities proceeded into the proposed northwestern (adjacent to the unnamed ditch) and central portions of the proposed 2-foot excavation area. Sidewall confirmation samples SG-008, SG-017, SG-016, SG-023 and bottom confirmation samples SG-006 and SG-007 were collected and analyzed for PCBs on Site by MACTEC and the results for these samples were below 10 mg/kg. Confirmation samples SG-007, SG-008, SG-017, and SG-023 were also submitted for off-Site laboratory analysis for PCBs and all results were below 10 mg/kg. A summary of the analytical data is presented in Table 4.1.

November 28, 2007

On November 28, 2007 IRM excavation activities continued into the northern portion of the proposed two-foot excavation area and into the proposed northern 1-foot deep excavation area. Following excavation of these areas, the proposed initial extent of the IRM excavation was complete. Sidewall confirmation samples SG-018, SG-019, SG-020, and SG-021 and bottom confirmation samples SG-001 and SG-002 were collected and analyzed on Site by MACTEC for PCBs. All on-Site confirmation sample results were below 10 mg/kg, except SG-001 and SG-002, which contained PCB concentrations of 12.8 mg/kg and 634 mg/kg, respectively. Sample SG-002 was also submitted for off-Site laboratory analysis, the results of which indicated a PCB concentration of 510 mg/kg.

November 29, 2007

On November 29, 2007, a test pit was excavated in the area of confirmation sample location SG-002, additional excavation in the area of confirmation sample location SG-001 was not conducted until December 6, 2007 due to staging of soils excavated from the central portion of the excavation area,. Two bottom confirmation samples were collected at SG-002, one at 3 feet bgs (SG-00203) and one at 4 feet bgs (SG-00204) to delineate the vertical extent of the PCB contamination. These samples were analyzed on Site by MACTEC for PCBs and the results for these samples were below 10 mg/kg. A summary of the analytical data is presented in Table 4.1.

In order to determine the horizontal extent of the contamination surrounding SG-002, MACTEC collected five additional bottom samples at 2 feet bgs; SG-00A, SG-00B, SG-00C, SG-00D, SG-00E (see Figure 4.1). After consultation with the NYSDEC an area approximately fifteen-foot square around confirmation sample location SG-002 was excavated to 3 feet bgs. Since this excavation area encompassed confirmation sample locations SG-00B, SG-00D, and SG-00E, these samples were not analyzed. Sample locations SG-00A and SG-00C, which were located outside the additional excavation area, were analyzed on Site by MACTEC for PCBs and results of these analyses indicated PCB concentrations of 52.5 mg/kg (SG-00A) and 1221 mg/kg (SG-00C). Based on these results, the remaining portions of the proposed 2-foot excavation area northeast of and including sample location SG-00C was excavated to 3 feet bgs on December 6, 2007.

Subsequent to the additional fifteen-foot square excavation in the area of SG-002, two confirmation samples were collected from the excavation bottom, SG-00F and SG-00G, at a depth of 3 feet bgs. During sample collection, MACTEC observed a distinct layer of clay present at 3 feet bgs in this area. Sample SG-00G was collected from just above the interface of this clay layer and contained gravel that was consistent with the overlying gravel that contained elevated PCB concentrations, while sample SG-00F was collected from just below the clay-gravel interface and contained no gravel. These samples were analyzed on Site by MACTEC for PCBs and the results indicated PCB concentrations of 470 mg/kg for SG-00G and 4.44 mg/kg for SG-00F. Based on these results, an approximate 5 foot by 5 foot excavation in the area of SG-00G was continued to 3.5 feet bgs, just below the clay/gravel interface, on December 6, 2007.

December 6, 2007

On December 6, 2007, based upon confirmation results from November 29, 2007, an additional 1 foot of excavation was conducted within the proposed 2-foot excavation extent northeast of and including the area of confirmation sample SG-00C, with an additional 6 inches of excavation in the area of confirmation samples SG-00G, which was excavated to just below the clay/gravel interface to approximately 3.5 feet bgs. Confirmation sample SG-00I was collected from the bottom of this area and was analyzed on Site for PCBs by MACTEC; sample results indicated PCB concentrations less than 10 mg/kg.

During excavation in the area of SG-00C clay was expected at approximately 3 feet bgs; however, at approximately 2.5 feet bgs buried logs were encountered, situated parallel to each other, and measuring approximately 15 feet long. Three or four of the logs were removed during the excavation, however excavation activities were stopped at 3 feet bgs due to the visual observation of a sheen developing on the water within the excavation. Confirmation sample SG-00J was collected from the bottom of this excavation and confirmation sample SG-00K was collected from western sidewall of this excavation at 2 feet bgs. These samples were analyzed on Site for PCBs by MACTEC, the results of sample SG-00K were below 10 mg/kg and the results of sample SG-00J were 19.2 mg/kg. Sample SG-00J was also sent for off-Site laboratory analysis and the results indicated a PCB concentration of 9.6 mg/kg. After consultation with the NYSDEC this location was not excavated further due to the excess water in the excavation.

MACTEC Engineering and Consulting, P.C., Project No. 3612072095

Confirmation sample SG-00L was collected from the bottom of the excavation and confirmation sample SG-00M was collected from the side wall of the excavation at 2 feet bgs, in the vicinity of SG-00A. Both of these samples were analyzed on Site by MACTEC for PCBs and the results were below 10 mg/kg.

Excavated material from the remaining areas of the IRM excavation had been stockpiled within the proposed northern one-foot deep excavation during the course of work. During handling of this stockpiled material, the stockpiled soil was mixed with the underlying soil, both of which were wet due to rainy and snowy weather. Due to these factors, the proposed northern one-foot deep excavation was then excavated to a depth of 3 feet bgs. Confirmation sample SG-00N was collected from the sidewall at two feet bgs and confirmation sample SG-00O was collected from the bottom of the excavation at 3 feet bgs, in the area of confirmation sample SG-001. These samples were analyzed on Site for PCBs by MACTEC and the results were below 10 mg/kg. A summary of the analytical data is presented in Table 4.1. Figure 4.1 depicts all of the confirmation sample location. Figure 4.2 depicts the final extent of the excavation and final confirmation sample locations.

4.3 SAMPLING AND ANALYSIS

Sampling and Analysis for the IRM included on-Site field screening PCB analysis, using Dexsil PCB immunoassay kits, with approximately one-third of the samples submitted for off-Site analytical laboratory analysis by Mitkem Corporation of Warwick, Rhode Island. Off-Site PCB analysis was in accordance with United States Environmental Protection Agency Method 8082 using NYSDEC Analytical Services Protocol, with a 48-hour turnaround time requested for these samples.

4.3.1 Confirmation Sampling Quality Assurance

On-Site PCB immunoassay analysis was conducted on the majority of the samples collected during the Phase I RI, with a subset also submitted for off-Site laboratory analysis. Comparison of corresponding on- and off-Site analytical results as presented in the Phase I RI Report indicated that on-Site PCB immunoassay analysis is sufficient to delineate PCB concentrations greater than or equal to 10 mg/kg (MACTEC, 2007b). The IRM utilized PCB immunoassay kits to provide

real-time results and minimize contractor down-time. The off-Site split samples were analyzed with a 48-hour turn-around time, with real-time comparison of on-Site and off-Site sample results conducted to verify the PCB immunoassay results remained sufficient at delineating the extent of contamination exceeding 10 mg/kg. Table 4.1 presents a summary of validated data for both on-and off-Site data. Appendix A includes unvalidated results for all off-Site laboratory data.

The following observations were made based on evaluation of the on-Site/off-Site IRM PCB data set:

- There were no instances were the on-site results were less than the off-site results at or near the on-site reporting limit of 9 mg/kg,
- In the three instances when detections were reported in both the on-site and off-site sample; the on-site concentration was two to three times higher than the off-site, indicating a high bias in the on-site results.

Overall, the on-Site PCB data from the IRM suggests that the Dexsil PCB Immunoassay test kits were sufficient in determining total PCB concentrations of 9 mg/kg and above in soil, and the high bias of concentrations reported in the on-site samples at or near the reporting limit of 9 mg/kg provided a conservative excavation approach for delineating the extent of PCB concentrations above 10 mg/kg requiring excavation.

4.4 AIR MONITORING

Exposure of identified and suspected contaminants through inhalation was identified in the IRM Work Plan as a possible respiratory exposure pathway. Permissible exposure limits for volatile organic compound (VOCs) and dust were established in the Health and Safety Plan Addendum (Appendix A [MACTEC 2007a]). Air monitoring was performed on a periodic basis throughout the project. A portable Mini Rae, PID air monitor was used for analysis. The permissible exposure limits were not exceeded during the remedial activities. Weather during execution of the IRM included rain and snow events, and as such, conditions were not conducive to dust and dust migration.

4.5 DISPOSAL

All excavated soil was transported off Site using tractor trailer dump trucks to CWM Chemical Services, LLC, Model City, New York. All shipment manifests were signed by MACTEC personnel as the agent for NYSDEC, who is listed as the generator of the waste. Approximately 632 tons of PCB-contaminated soils were transported from the Site via a total of 18 tractor trailer loads. The hazardous waste manifests and the disposal facility final quantity report are included in Appendix B. Table 4.2 provides a summary of the off-site disposal of excavated soils, including a comparison of actual quantities to quantities proposed in the IRM Work Plan.

4.6 BACKFILL AND GRADING

The excavation was backfilled with imported common borrow material and crushed stone and graded on December 7, 2007. In areas where no water was present, imported common borrow was used as backfill. All imported common borrow and aggregate materials were approved by the MACTEC and the NYSDEC. Common borrow material was obtained from Fred Burrows Trucking and Excavating, Whitesboro, New York. The borrow source was sampled on November 26, 2007 and sent for off-Site analysis of PCBs, metals, semi-volatile organic compounds, and VOCs. The laboratory analytical data is provided in Appendix A. Analytical results were reviewed and approved by the NYSDEC. In addition to common borrow, approximately 169 tons of stone backfill was used in the excavation where water was present. The stone was placed into the excavation above the level of water in the excavation so that that the common borrow backfill could be properly placed and compacted. Approximately 320 cubic yards of common borrow backfill was placed and compacted over the stone backfill to achieve the original Site grade. NYSDEC conducted a final Site inspection on January 10, 2008, and noted localized settling of the backfill material within the central portion of the excavation area. This issue was resolved by placement of granular backfill within the area of the settlement on September 21, 2008 by Dan Bateman Construction of Clayville, New York, under contract to MACTEC, to achieve preexcavation grades.

5.0 FINAL SURVEY

A final survey of the limits of excavation was conducted, by Popli Consulting Engineers & Surveyors of Rochester, NY on December 4, 2007. The final survey presents the final horizontal extent of the excavation; however, some additional vertical excavation was conducted on December 6, 2007. The IRM excavation area was backfilled and compacted on December 7, 2007. The final backfilled and restored conditions match the surrounding grades. A copy of the survey is included in Appendix C.

6.0 SUMMARY

The IRM activities were performed in accordance with the IRM Work Plan (MACTEC, 2007a). The IRM activities were also conducted in accordance with applicable federal, state, and local laws, regulations, and permit requirements. Hazardous waste manifests are presented in Appendix B and photographs documenting the IRM activities are presented in Appendix D.

Between November 26, 2007 and December 6, 2007 a total of 37 confirmation soil samples were collected during progression of the IRM from the bottom and sidewalls of the excavation. All confirmation samples were analyzed on Site by MACTEC for PCBs in accordance with the IRM work plan (MACTEC, 2007a). Eight confirmation samples were sent off Site to Mitkem Corporation of Warwick Rhode Island, the project analytical laboratory, for PCB analysis in accordance with United States Environmental Protection Agency Method 8082 using NYSDEC Analytical Services Protocol, with a 48-hour turnaround time.

Results of six bottom confirmation samples contained concentrations of PCBs greater than 10 mg/kg, and resulted in the excavation of additional PCB-contaminated soils to as deep as 3.5 feet bgs. Confirmation sample SG-00J contained concentrations of PCBs greater than 10 mg/kg at 3 feet bgs; however, after consultation with the NYSDEC, no further excavation was conducted due to excess water in the excavation. The final horizontal extent of the excavation met the extent proposed in the IRM Work Plan. Vertically, the excavation extends approximately 2 feet deeper, with at least one half of the proposed 2-foot excavation excavated to 3 feet bgs, with a discrete area excavated to 3.5 feet, and the northern proposed 1-foot excavation excavated to 3 feet bgs. This resulted in an the excavation of approximately 150 cubic yards of soil more than the projected 250 cubic yards identified in the IRM Work Plan.

A total of approximately 400 cubic yards (632 tons) of PCB-contaminated soil was removed during the IRM. The final horizontal limits and depth of the IRM excavation are shown on Figure 4.2.

All removed PCB-contaminated soil was transported to CWM Chemical Services, LLC, Model City, New York for disposal. Backfill consisted of 169 tons (roughly 94 cubic yards) of stone

placed so that that the common borrow backfill could be properly placed and compacted, approximately 320 cubic yards of common borrow placed and compacted.

NYSDEC conducted a final Site inspection on January 10, 2008, and noted localized settling of the backfill material within the central portion of the excavation area. This issue was resolved by placement of granular backfill within the area of the settlement on September 21, 2008 by Dan Bateman Construction of Clayville, New York, under contract to MACTEC, to achieve pre-excavation grades

7.0 RECORD DOCUMENTS

7.1 RECORD DRAWINGS

A final survey of the limits of excavation for the IRM was performed by Popli Consulting Engineers & Surveyors and a copy is included in Appendix C. The original survey is filed with MACTEC.

7.2 PHOTOGRAPHIC DOCUMENTATION

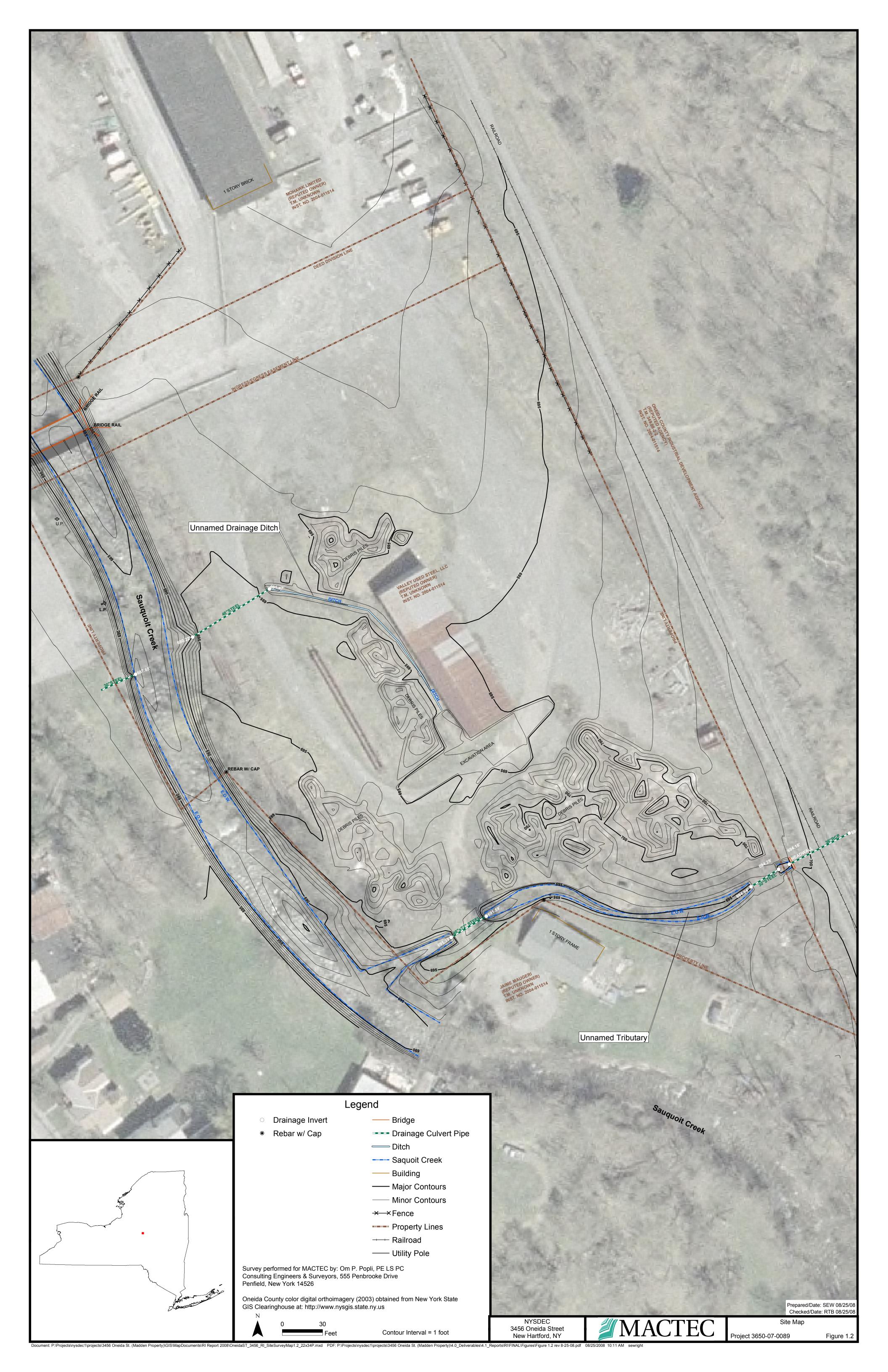
A selection of photographs taken throughout various stages of the IRM is presented in Appendix D.

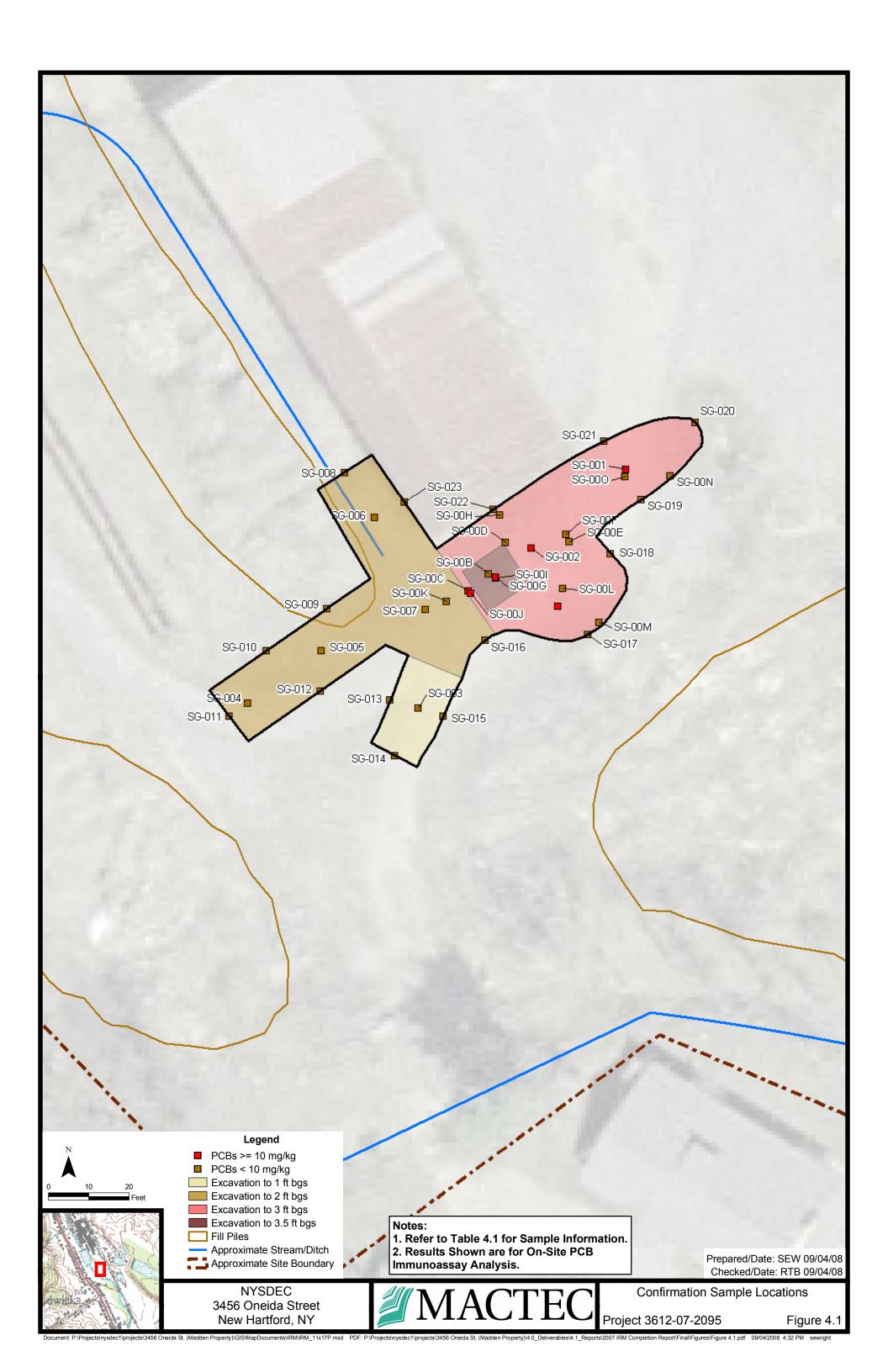
8.0 REFERENCES

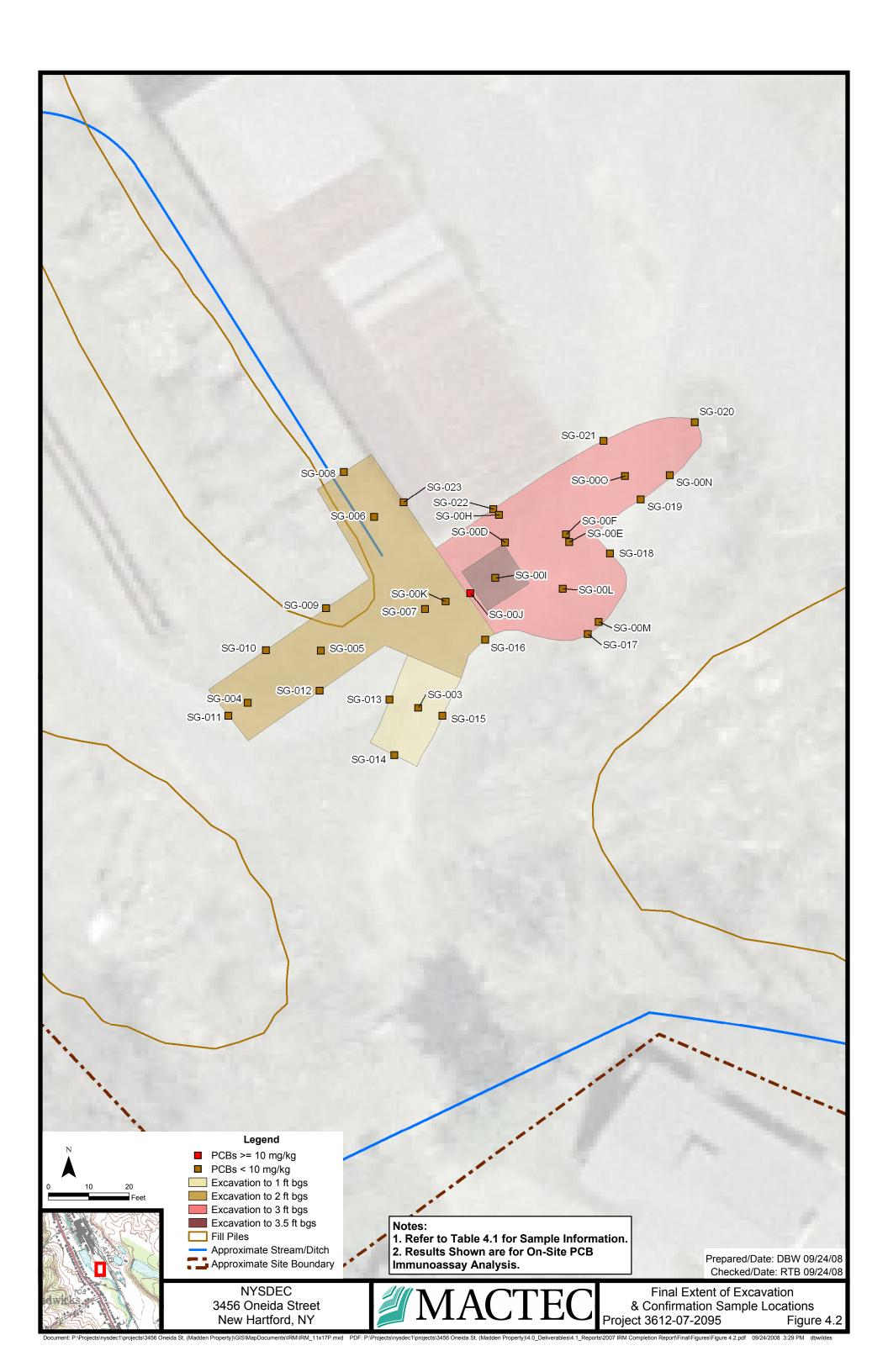
MACTEC Engineering and Consulting, P.C. (MACTEC), 2007b. Final Preliminary Remedial Investigation and Fish and Wildlife Impact Analysis Report for 3456 Oneida Street, Site No. 6-33-049, October, 2007.

MACTEC Engineering and Consulting, P.C. (MACTEC), 2007a. Final Interim Remedial Measure Work Plan for 3456 Oneida Street, Site No. 6-33-049, November, 2007.

FIGURES







TABLES

TABLE 4.1
Summary of Post Excavation Immunoassay Results and Off-Site Laboratory Analysis

T (1 TD (1)	G I ID	Sam	ple D	epth	Analys	sis Type	Validated	Results mg/kg
Location ID (1)	Sample ID		/bgs (2	_	On-Site	Off-Site	On-Site	Off-Site
Initial Excavation	on Extent Bottom Sam	ples			•			
SG-001	MPSG00100101XX	1	-	1.2	X		12.8	
SG-002	MPSG00200201XX	2	-	2.2	X	X	1810 J	510 J
SG-002DUP	MPSG00200201XD	2	-	2.2	X		626 J	
SG-002	MPSG00200301XX	3		3.2	X		9 U	
SG-002	MPSG00200401XX	4		4.2	X		9 U	
SG-003	MPSG00300101XX	1	-	1.2	X		9 U	
SG-004	MPSG00400201XX	2	-	2.2	X	X	9 U	1.6
SG-005	MPSG00500201XX	2	-	2.2	X		9 U	
SG-006	MPSG00600201XX	2	-	2.2	X		7.48 J	
SG-007	MPSG00700201XX	2	-	2.2	X	X	6.76 J	3.4
SG-007DUP	MPSG00700201XD	2		2.2	X		7.88 J	
Sidewalls of Init	ial Excavation Extent							
SG-008	MPSG00800001XX		0.5		X	X	9 U	3.6
SG-009	MPSG00900001XX		0.5		X		9 U	
SG-010	MPSG01000001XX		0.5		X		9 U	
SG-010DUP	MPSG01000001XD		0.5		X		9 U	
SG-011	MPSG01100001XX		0.5		X	X	9 U	0.039 U
SG-012	MPSG01200001XX		0.5		X		9 U	
SG-013	MPSG01300001XX		0.5		X		5.38 J	
SG-014	MPSG01400001XX		0.5		X		9.41	
SG-015	MPSG01500001XX		0.5		X		7.19 J	
SG-016	MPSG01600001XX		0.5		X		5.13 J	
SG-017	MPSG01700001XX		0.5		X	X	9 U	5.8 J
SG-018	MPSG01800001XX		0.5		X		9 U	
SG-019	MPSG01900001XX		0.5		X		9 U	
SG-020	MPSG02000001XX		0.5		X		9 U	
SG-021	MPSG02100001XX		0.5		X		9 U	
SG-021DUP	MPSG02100001XD		0.5		X		9 U	
SG-022	MPSG02200001XX		0.5		X		9 U	
SG-023	MPSG02300001XX		0.5		X	X	9 U	0.21 J
Additional Botto	om Samples Collected	from a	dditio	nal Vei	rtical Excav	ation		
SG-00A	MPSG00A00201XX	2	-	2.2	X		52.5	·
SG-00C	MPSG00C00201XX	2	-	2.2	X		1221	
SG-00F	MPSG00F00301XX	3	-	3.2	X		4.44 J	
SG-00G	MPSG00G00301XX	3	-	3.2	X		470	
SG-00I	MPSG00I00301XX	3.5	-	3.7	X		9 U	
SG-00J	MPSG00J00301XX	3	-	3.2	X	X	19.2	6.4 J
SG-00JDUP	MPSG00J00301XD	3	-	3.2	X	X	NA	9.6
SG-00L	MPSG00L00301XX	3	-	3.2	X		9 U	
SG-00O	MPSG00O00301XX	3	-	3.2	X		9 U	
	wall Samples Collected	l from :	additi	onal Ve	ertical Exca	vation		
SG-00H	MPSG00H00201XX		2		X		9 U	
SG-00K	MPSG00K00201XX		2.5		X		9 U	·
SG-00M	MPSG00M00301XX		3		X		9 U	·
SG-00N	MPSG00N00201XX		2		X		9 U	

Notes

Sample results reported in micrograms per kilogram

- (1) Sample IDs will follow a convention where the upper sample interval (top of sample) is used:
- e.g. SG-001, 2 to 2. 2 ft bgs = MPSG00100201XX. For sample top depths of 0.5 ft or less, use the numeral 0.
- (2) Sample depths based upon existing (pre-excavation) grade
- $(3) \ On\text{-site} = analyzed \ on \ site \ using \ PCB \ Immunoassay \ kits; \ Off\text{-site} = laboratory \ analysis \ using \ method \ SW \ 846 \ 8082$

 $ft \ bgs = feet \ below \ ground \ surface \\ NA = Sample \ not \ analyzed$

Qualifiers:

U = Not detected at a concentration greater than the reporting limit

J = Estimated value

Prepared by: BAS 03/13/2008 Checked by: JRL 03/20/2008

TABLE 4.2 Summary of Off-site Disposal of Excavated Soils

	Waste Ma		
		Estimate	Actual
Waste Manifest		Quantity	Quantity
Tracking Number	Shipment Date	(kg)	(kg)
000363330	11/26/2007	30,000	32,550
000363331	11/26/2007	31,700	33,013
000363332	11/26/2007	33,100	31,461
000363333	11/26/2007	30,000	29,139
000363334	11/26/2007	29,000	32,296
000363335	11/27/2007	29,000	34,056
000363336	11/27/2007	33,000	34,863
000363337	11/27/2007	30,000	30,391
000363338	11/27/2007	32,000	32,849
000363339	11/27/2007	33,000	33,466
000363340	11/27/2007	29,000	30,890
000363341	11/28/2007	33,000	34,555
000363343	11/29/2007	32,000	28,005
000363344	11/29/2007	22,000	30,745
000363345	12/6/2007	30,000	33,376
000363346	12/6/2007	33,000	31,434
000363347	12/6/2007	30,000	28,667
000363348	12/6/2007	29,000	31,770
	Total (kg)	548,800	573,526
	Total (Tons)	605	632
	Approximate Total (CY) (see Note 1)	378	395
	Proposed IRM Extent (CY)		250
	Approximate Additional Excavation (CY))	145

Notes:

- 1. Assumes 1.6 tons per cubic yard
- 2. Refer to Waste Manifests provided in Appendix B for more information.

kg = kilograms CY = cubic yards

Prepared by: RTB 09/03/2008 Checked by: SEW 09/11/2008

APPENDIX A

SOIL ANALYTICAL RESULTS

PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

Lab Name: MITKEM LABORATORIES

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: MF1822

Matrix: (soil/water) SOIL

Lab Sample ID: F1822-01A

Sample wt/vol: 30.5 (g/mL) G

Lab File ID:

E1G3247F

% Moisture: 22 decanted: (Y/N) N

Date Received: 12/10/07

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted:12/18/07

Concentrated Extract Volume: 10000(uL)

Date Analyzed: 12/28/07

Injection Volume: 1.0(uL)

Dilution Factor: 10.0

GPC Cleanup: (Y/N) N

pH:

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg) UG/KG Q

12674-11-2Aroclor-1016	420 U
11104-28-2Aroclor-1221	420 U
11141-16-5Aroclor-1232	420 U
53469-21-9Aroclor-1242	420 U
12672-29-6Aroclor-1248	420 U
11097-69-1Aroclor-1254	420 U
11096-82-5Aroclor-1260	6400
11096-82-5Aroclor-1260	420 U

FORM 1 PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

Lab Name: MITKEM LABORATORIES

Contract:

Lab Code: MITKEM

Case No.: SAS No.:

SDG No.: MF1822

Matrix: (soil/water) SOIL

Lab Sample ID: F1822-02A

Sample wt/vol:

30.4 (g/mL) G

Lab File ID:

E1G3251F

% Moisture: 30

decanted: (Y/N) N

Date Received: 12/10/07

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 12/18/07

Concentrated Extract Volume: 10000(uL) Date Analyzed: 12/28/07

Injection Volume: 1.0(uL)

Dilution Factor: 20.0

GPC Cleanup: (Y/N) N

Hq:

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO. COMPOUND

(ug/L or ug/Kg) UG/KG

12674-11-2Aroclor-1016	930 U 930 U
11141-16-5Aroclor-1232 53469-21-9Aroclor-1242 12672-29-6Aroclor-1248	930 U 930 U 930 U
11097-69-1Aroclor-1254 11096-82-5Aroclor-1260	9600 3

PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MP5 G 00200201 XX

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: MF1742

Matrix: (soil/water) SOIL

Lab Sample ID: F1742-01A

Sample wt/vol:

30.1 (g/mL) G

Lab File ID: E1G2474F

% Moisture: 12

decanted: (Y/N) N

Date Received: 11/29/07

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 11/30/07

Concentrated Extract Volume: 10000(uL)

Date Analyzed: 12/01/07

Injection Volume: 1.0(uL)

Dilution Factor: 1000.0

GPC Cleanup: (Y/N) N pH: ____

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg) UG/KG

12674-11-2Aroclor-1016	37000 U
11104-28-2Aroclor-1221	37000 U
11141-16-5Aroclor-1232	37000 U
53469-21-9Aroclor-1242	37000 U
12672-29-6Aroclor-1248	37000 U
11097-69-1Aroclor-1254	510000
11096-82-5Aroclor-1260	37000 U

SG-00700201 X X

Lab Name: MITKEM CORPORATION

Lab Code: MITKEM Case No.:

Contract:

SAS No.:

SDG No.: MF1737

Matrix: (soil/water) SOIL

Lab Sample ID: F1737-03A

Sample wt/vol:

% Moisture: 32

30.2 (g/mL) G

Lab File ID: E1G2356F

decanted: (Y/N) N

Date Received: 11/28/07

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 11/28/07

Concentrated Extract Volume:

10000 (uL)

Date Analyzed: 11/29/07

Injection Volume:

1.0(uL)

Dilution Factor: 10.0

GPC Cleanup: (Y/N) N

pH:

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg) UG/KG

Q

12674-11-2Aroclor-1016 11104-28-2Aroclor-1221 11141-16-5Aroclor-1232	480 480 480	ט ט
53469-21-9Aroclor-1242 12672-29-6Aroclor-1248 11097-69-1Aroclor-1254 11096-82-5Aroclor-1260	480 480 3400 480	Ū

FORM 1 PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MPS@00800001 XX

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: MF1737

Matrix: (soil/water) SOIL

Lab Sample ID: F1737-01A

Sample wt/vol:

Lab File ID:

30.0 (g/mL) G

E1G2354F

% Moisture: 15

decanted: (Y/N) N

Date Received: 11/28/07

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted:11/28/07

Concentrated Extract Volume:

10000 (uL)

Date Analyzed: 11/29/07

Injection Volume:

1.0 (uL)

Dilution Factor: 10.0

GPC Cleanup: (Y/N) N

pH:

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

COMPOUND CAS NO.

(uq/L or ug/Kg) UG/KG

12674-11-2Aroclor-1016 11104-28-2Aroclor-1221 11141-16-5Aroclor-1232 53469-21-9Aroclor-1242 12672-29-6Aroclor-1248 11097-69-1Aroclor-1254 11096-82-5Aroclor-1260	390 390 390 390 390 3600 390	ם ם ח
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FORM 1 PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

M\$SG01700001 X X

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: MF1737

Matrix: (soil/water) SOIL

Lab Sample ID: F1737-02A

Sample wt/vol:

30.1 (q/mL) G

Lab File ID:

E1G2355F

% Moisture: 16

decanted: (Y/N) N

Date Received: 11/28/07

Date Extracted:11/28/07

Extraction: (SepF/Cont/Sonc) SONC

CAS NO.

Concentrated Extract Volume: 10000(uL)

Date Analyzed: 11/29/07

Injection Volume: 1.0(uL)

COMPOUND

Dilution Factor: 10.0

GPC Cleanup: (Y/N) N

pH:

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG Q

12674-11-2Aroclor-1016 11104-28-2Aroclor-1221 11141-16-5Aroclor-1232 53469-21-9Aroclor-1242 12672-29-6Aroclor-1248 11097-69-1Aroclor-1254 11096-82-5Aroclor-1260	390 390 390 390 390 5800 390	บ บ
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MPSG 02300001 X X

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: MF1737

Matrix: (soil/water) SOIL

Lab Sample ID: F1737-04A

Sample wt/vol:

Lab File ID:

E1G2349F

% Moisture: 15

 $\sim 30.0 \, (g/mL) \, G$

Date Received: 11/28/07

Date Extracted:11/28/07

Concentrated Extract Volume: 10000(uL)

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 11/29/07

CAS NO.

decanted: (Y/N) N

Injection Volume:

1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup:

(Y/N) N pH: ____

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

COMPOUND

(uq/L or ug/Kg) UG/KG

Q

12674-11-2Aroclor-1016 11104-28-2Aroclor-1221 11141-16-5Aroclor-1232 53469-21-9Aroclor-1242 12672-29-6Aroclor-1248 11097-69-1Aroclor-1254 11096-82-5Aroclor-1260	39 U 39 U 39 U 39 U 39 U 210 39 U	
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FORM 1 PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

PSG00400201 XX

Lab Name: MITKEM CORPORATION

Contract:

Case No.:

SAS No.:

SDG No.: MF1731

Matrix: (soil/water) SOIL

Lab Sample ID: F1731-02A

Sample wt/vol:

Lab Code: MITKEM

30.1 (q/mL) G

Lab File ID:

E2G7364F

% Moisture: 17

decanted: (Y/N) N

Date Received: 11/27/07

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 11/27/07

Concentrated Extract Volume: 10000(uL)

Date Analyzed: 11/29/07

Injection Volume: 1.0(uL)

Dilution Factor: 8.0

GPC Cleanup: (Y/N) N

pH:

Sulfur Cleanup: (Y/N) Y

CAS NO. COMPOUND CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

Q

· · · · · · · · · · · · · · · · · · ·		
12674-11-2Aroclor-1016	320	שׁ
11104-28-2Aroclor-1221	320	ט
11141-16-5Aroclor-1232	320	U
53469-21-9Aroclor-1242	320	U
12672-29-6Aroclor-1248	320	Π,
11097-69-1Aroclor-1254	1600	
11096-82-5Aroclor-1260	320	Ū



FORM 1 PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MPSG01100001 XX

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: MF1731

Matrix: (soil/water) SOIL

Lab Sample ID: F1731-01A

Sample wt/vol:

Lab File ID:

E2G7363F

30.3 (g/mL) G

Date Received: 11/27/07

% Moisture: 16 decanted: (Y/N) N

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted:11/27/07

Concentrated Extract Volume:

10000(址)

Date Analyzed: 11/29/07

Injection Volume: 1.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH:

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG COMPOUND CAS NO.

12674-11-2Aroclor-1016 11104-28-2Aroclor-1221 11141-16-5Aroclor-1232 53469-21-9Aroclor-1242 12672-29-6Aroclor-1248 11097-69-1Aroclor-1254 11096-82-5Aroclor-1260	39 39 39 39 39 39	ט ט ט ט ט	
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VOLATILE ORGANICS ANALYSIS DATA SHEET

BURROW 1 BURROW Sample

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: MF1730

Matrix: (soil/water) SOIL

Lab Sample ID: F1730-01B

Sample wt/vol: 5.1 (g/mL) G

Lab File ID: V5I2590

Level: (low/med) LOW

Date Received: 11/27/07

% Moisture: not dec. 10

Date Analyzed: 11/27/07

GC Column: DB-624

ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Aliquot Volume: ____(uL)

Soil Extract Volume: (mL)

CAS NO. COMPOUND

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG Q

	Dichlorodifluoromethane	5	
	Chloromethane	5	
	Vinyl Chloride	, 5	U
74-83-9	Bromomethane	· 5	ָ ט
	Chloroethane	5 5 5 5 5 5 5 5	U
75-69-4	Trichlorofluoromethane	5	UJ
75-35-4	1,1-Dichloroethene	5	ָ ט
67-64-1		5	U
74-88-4	Iodomethane		ס ד
75-15-0	Carbon Disulfide	· _	រ ប
75-09-2	Methylene Chloride	5	5 U
	trans-1,2-Dichloroethene	5	5 U
	Methyl tert-butyl ether	5	ט
75-34-3	1,1-Dichloroethane		5 U
	Vinyl acetate	5	5 U
78-93-3		[5 U
156-59-2	cis-1,2-Dichloroethene		
	2,2-Dichloropropane	. 5	5 U
74-97-5	Bromochloromethane		5 U
	Chloroform	<u></u>	5 บ
	1,1,1-Trichloroethane		5 U
	1,1-Dichloropropene		ט פ
	Carbon Tetrachloride		5 ปี
	1,2-Dichloroethane		5 U
71-43-2			5 บ
	Trichloroethene		5 T
	1,2-Dichloropropane	1	5 U 5 U
	Dibromomethane		5 U
	Bromodichloromethane	·	5 U
	cis-1,3-Dichloropropene		5 T
	4-Methyl-2-pentanone	•	UJ
108-88-3		•	5 U T
10061-02-6	trans-1,3-Dichloropropene	•	5 U .
79-00-5	1,1,2-Trichloroethane		קלו
75 00 5		-	. [.

FORM I VOA

1A VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BURROW 1

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: MF1730

Matrix: (soil/water) SOIL

Lab Sample ID: F1730-01B

Sample wt/vol:

5.1 (g/mL) G

Lab File ID: V5I2590

Level: (low/med)

LOW

Date Received: 11/27/07

% Moisture: not dec. 10

Date Analyzed: 11/27/07

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Aliquot Volume:

Soil Extract Volume: (mL)

CONCENTRATION UNITS:

CAS NO. COMPOUND

(ug/L or ug/Kg) UG/KG

Q

(uL)

127-18-4 591-78-6 124-48-1 106-93-4 108-90-7 630-20-6 100-41-4	1,3-DichloropropaneTetrachloroethene2-HexanoneDibromochloromethane1,2-DibromoethaneChlorobenzene1,1,2-TetrachloroethaneEthylbenzenem,p-Xylene	55 55 55 55 55 55	מממממממממ לימם מממממ
100-42-5 75-25-2 98-82-8 79-34-5 108-86-1 96-18-4 103-65-1 95-49-8	Xylene (Total)StyreneBromoformIsopropylbenzene1,1,2,2-TetrachloroethaneBromobenzene1,2,3-Trichloropropanen-Propylbenzene2-Chlorotoluene	មា មា មា មា	ממממממממ
106-43-4 98-06-6 95-63-6 135-98-8 99-87-6 541-73-1 106-46-7	1,3,5-Trimethylbenzene4-Chlorotoluenetert-Butylbenzene1,2,4-Trimethylbenzenesec-Butylbenzene4-Isopropyltoluene1,3-Dichlorobenzene1,4-Dichlorobenzenen-Butylbenzene	55555555	ממממממטט
95-50-1 96-12-8 120-82-1 87-68-3 91-20-3	1,2-Dichlorobenzene1,2-Dibromo-3-chloropropane1,2,4-TrichlorobenzeneHexachlorobutadieneNaphthalene1,2,3-Trichlorobenzene	5 5 5 5 5 5	ט ט ט ט

EPA SAMPLE NO.

BURROW 1

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: MF1730

Lab Sample ID: F1730-01B

Sample wt/vol:

Matrix: (soil/water) SOIL

Lab File ID:

V5I2590

5.1 (g/mL) G

Level:

(low/med)

LOW

Date Received: 11/27/07

% Moisture: not dec. 10

Date Analyzed: 11/27/07

GC Column: DB-624

CAS NO.

ID: 0.25 (mm)

COMPOUND

Dilution Factor: 1.0

Soil Extract Volume: ____(mL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

76-13-1----1,1,2-Trichloro-1,2,2-triflu 79-20-9-----Methyl Acetate 110-81-7-----Cyclohexane 108-87-2-----Methylcyclohexane

5 U 5 U 5 U 5 U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: MITKEM CORPORATION Contract:

BURROW	1	

EPA SAMPLE NO.

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: MF1730

Matrix: (soil/water) SOIL

Lab Sample ID: F1730-01B

Sample wt/vol:

5.1 (q/mL) G

Lab File ID: V5I2590

Level: (low/med)

Date Received: 11/27/07

% Moisture: not dec. 10

Date Analyzed: 11/27/07

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Aliquot Volume: (uL)

Soil Extract Volume: (mL)

CONCENTRATION UNITS:

Number TICs found: 0

(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1	_======================================			====
۷٠				
J				
4				
6				
7. 8.				
9.				
10.				
12.				
13.				
15.				
16.				
17. 18.				
⊥ 9.				
20.				
22.				
23.				
25.				
26.				
40.				
29.	· · ·	ļ		

FORM I VOA-TIC

EPA SAMPLE NO.

Lab Name: MITKEM CORPORATION

Contract:

BURROW 2

Lab Code: MITKEM

Case No.: SAS No.:

SDG No.: MF1730

Matrix: (soil/water) SOIL

Lab Sample ID: F1730-02B

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: V5I2591

Level: (low/med) LOW

Date Received: 11/27/07

Date Analyzed: 11/27/07

% Moisture: not dec. 9

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: ____(mL)

Soil Aliquot Volume:

__(uL)

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg) UG/KG

		Τ	
75-71-8	Dichlorodifluoromethane		5 U
74-87-3			5 U
75-01-4	Vinyl Chloride		5 U 5 U 5 U
74-83-9			5 Ŭ
	Chloroethane		5 U
75-69-4	Trichlorofluoromethane		5 U.J
75-35-4	1,1-Dichloroethene		5 ט
67-64-1			5 ซ
	Iodomethane		5 U 5 U
75-15-0	Carbon Disulfide		5 ט
75-09-2	Methylene Chloride		5 U 5 U
156-60-5			5 U
1634-04-4	Methyl tert-butyl ether		ס 5
75-34-3	1,1-Dichloroethane		5 U
	Vinyl acetate		5 ט
78-93-3		_	5 U
156-59-2	cis-1,2-Dichloroethene		5 U
590-20-7	2,2-Dichloropropane	_	5 บ
74-97-5	Bromochloromethane	_	5 U
	Chloroform	-	5 บ
71-55-6	1,1,1-Trichloroethane		5 ט
563-58-6	1,1-Dichloropropene		5 ับ
56-23-5	Carbon Tetrachloride		5 ט
	1,2-Dichloroethane		5 U
71-43-2			5 U
79-01-6	Trichloroethene	_1	5 U
78-87-5	1,2-Dichloropropane	_	5 U
74-95-3	Dibromomethane		. 5 U
75-27-4	Bromodichloromethane		5 U
10061-01-5	cis-1,3-Dichloropropene		5 U
108-10-1	4-Methyl-2-pentanone	_	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
108-88-3	Toluene	_	5 U
10061-02-6	trans-1,3-Dichloropropene	_	5 U
79-00-5	1,1,2-Trichloroethane	_	5 U
		_	<u> </u>

FORM I VOA

1A VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BURROW 2

Lab Name: MITKEM CORPORATION

Contract:

SAS No.:

SDG No.: MF1730

Matrix: (soil/water) SOIL

Lab Code: MITKEM Case No.:

Lab Sample ID: F1730-02B

Macrix. (Borr) Water, Born

Lab File ID: V5I2591

Level: (low/med)

Sample wt/vol:

Date Received: 11/27/07

% Moisture: not dec. 9

CAS NO.

Date Analyzed: 11/27/07

GC Column: DB-624

ID: 0.25 (mm)

COMPOUND

5.0 (g/mL) G

LOW

Dilution Factor: 1.0

.

Soil Aliquot Volume: (uL)

Soil Extract Volume: (mL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Q

Tetrachloroethene 2-Hexanone Dibromochloromethane		5 U 5 U 5 U 5 U
Chlorobenzene 1,1,1,2-Tetrachloroethane Ethylbenzene		55555555555555555555555555555555555555
o-XyleneXylene (Total)StyreneBromoformIsopropylbenzene1,1,2,2-Tetrachloroethane		5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
n-Propylbenzene2-Chlorotoluene1,3,5-Trimethylbenzene4-Chlorotoluenetert-Butylbenzene		5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
sec-Butylbenzene4-Isopropyltoluene1,3-Dichlorobenzene1,4-Dichlorobenzene		5 U 5 U 5 U 5 U
1,2-Dibromo-3-chloropropane_ 1,2,4-Trichlorobenzene_ Hexachlorobutadiene Naphthalene		5 U U U U U U U U U U U U U U U U U U U
	1,3-DichloropropaneTetrachloroethene2-HexanoneDibromochloromethane1,2-Dibromoethane1,1,1,2-Tetrachloroethane	Tetrachloroethene2-HexanoneDibromochloromethane1,2-DibromoethaneChlorobenzene1,1,1,2-TetrachloroethaneEthylbenzene

FORM I VOA

EPA SAMPLE NO.

BURROW 2

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: MF1730

Matrix: (soil/water) SOIL

Lab Sample ID: F1730-02B

Sample wt/vol:

5.0 (g/mL) G

Lab File ID:

V5I2591

Level:

LOW

(low/med)

Date Received: 11/27/07

% Moisture: not dec.

CAS NO.

Date Analyzed: 11/27/07

GC Column: DB-624

ID: 0.25 (mm)

COMPOUND

Dilution Factor: 1.0

Soil Aliquot Volume: (uL)

Soil Extract Volume: ____(mL)

CONCENTRATION UNITS: (uq/L or ug/Kg) UG/KG

76-13-1-----1,1,2-Trichloro-1,2,2-triflu 5 U 5 5 5 U 79-20-9-----Methyl Acetate U 110-81-7-----Cyclohexane U 108-87-2-----Methylcyclohexane

OLMO3.0

2/19/08

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BURROW	2
	•

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: MF1730

Matrix: (soil/water) SOIL

Lab Sample ID: F1730-02B

Sample wt/vol:

5.0 (q/mL) G

Lab File ID: V5I2591

Level: (low/med)

LOW

Date Received: 11/27/07

% Moisture: not dec.

Date Analyzed: 11/27/07

GC Column: DB-624

ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Aliquot Volume: (uL)

Soil Extract Volume: (mL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) ug/Kg

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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OLMO3.0

ooi!

BURROW 1

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: MF1730

Matrix: (soil/water) SOIL

Lab Sample ID: F1730-01A

Sample wt/vol: 30.2 (g/mL) G

Lab File ID: S2F5686

Level: (low/med) LOW

Date Received: 11/27/07

% Moisture: 10 decanted: (Y/N) N

Date Extracted:11/27/07

Concentrated Extract Volume: 1000(uL) Date Analyzed: 11/28/07

Injection Volume: 1.0(uL)

Dilution Factor: 1.0

CONCENTRATION UNITS:

GPC Cleanup: (Y/N) N pH: ___

CAS NO. COMPOUND	(ug/L or ug/Kg) UG/KG	Q
108-95-2	360 U 360	

FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

BURROW 1

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: MF1730

Matrix: (soil/water) SOIL

Lab Sample ID: F1730-01A

Sample wt/vol:

30.2 (g/mL) G

Lab File ID: S2F5686

Level: (low/med) LOW

Date Received: 11/27/07

% Moisture: 10

decanted: (Y/N) N

Date Extracted: 11/27/07

Concentrated Extract Volume: 1000(uL)

Date Analyzed: 11/28/07

Injection Volume: 1.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION (ug/L or ug/K		Q
94-66-2	Diethylphthalate	2	360	ט

84-66-2				
Tourished Proposed	84-66-2	Diethylphthalate	360	ד
86-73-7	7005-72-3	4-Chlorophenyl-phenylether	1	-
100-01-64-Nitroaniline	86-73-7	Fluorene	-	
86-30-6N-Nitrosodiphenylamine (1) 360 U 101-55-3	1.00-01-6	4-Nitroaniline	1	
86-30-6N-Nitrosodiphenylamine (1) 360 U 101-55-3A-Bromophenyl-phenylether 360 U 118-74-1Hexachlorobenzene 360 U 87-86-5Pentachlorophenol 740 U 85-01-8Phenanthrene 360 U 120-12-7	534-52-1	4,6-Dinitro-2-methylphenol		
101-55-34-Bromophenyl-phenylether 360 U 118-74-1Hexachlorobenzene 360 U 87-86-5Pentachlorophenol 740 U 85-01-8Phenanthrene 360 U 120-12-7Anthracene 360 U 86-74-8	86-30-6	N-Nitrosodiphenylamine (1)	1	
118-74-1	101-55-3	4-Bromophenyl-phenylether		
87-01-8	118-74-1	Hexachlorobenzene	360	ָּט
85-01-8	87-86-5	Pentachlorophenol		
86-74-8Carbazole 360 U 84-74-2Di-n-butylphthalate 360 U 206-44-0Fluoranthene 360 U 129-00-0Pyrene 360 U 85-68-7Butylbenzylphthalate 360 U 91-94-13,3'-Dichlorobenzidine 360 U 56-55-3Benzo(a) anthracene 360 U 218-01-9Chrysene 360 U 117-81-7bis(2-Ethylhexyl)phthalate 360 U 205-99-2Benzo(b)fluoranthene 360 U 207-08-9Benzo(k)fluoranthene 360 U 50-32-8Benzo(a)pyrene 360 U 193-39-5Indeno(1,2,3-cd)pyrene 360 U 53-70-3Benzo(a,h)anthracene 360 U 191-24-2Benzo(g,h,i)perylene 360 U 92-52-41,1'-Biphenyl 360 U 98-86-2Acetophenone 360 U 100-52-7Benzaldehyde 360 U 105-60-2Caprolactam 360 U	85-01-8	Phenanthrene		
84-74-2Di-n-butylphthalate 360 U 206-44-0Fluoranthene 360 U 129-00-0Pyrene 360 U 85-68-7Butylbenzylphthalate 360 U 91-94-13,3'-Dichlorobenzidine 360 U 56-55-3	120-12-7	Anthracene		
84-74-2Di-n-butylphthalate 360 U 206-44-0Fluoranthene 360 U 129-00-0Pyrene 360 U 85-68-7Butylbenzylphthalate 360 U 91-94-13,3'-Dichlorobenzidine 360 U 56-55-3Benzo (a) anthracene 360 U 218-01-9Chrysene 360 U 117-81-7bis (2-Ethylhexyl) phthalate 360 U 117-84-0	86-74-8	Carbazole	. i	i
206-44-0Fluoranthene 360 U 129-00-0Pyrene 360 U 85-68-7Butylbenzylphthalate 360 U 91-94-13,3'-Dichlorobenzidine 360 U 56-55-3	84-74-2	Di-n-butylphthalate	360	
85-68-7	206-44-0	Fluoranthene		
91-94-13,3'-Dichlorobenzidine 56-55-3Benzo(a) anthracene 218-01-9Chrysene 117-81-7bis(2-Ethylhexyl) phthalate 117-84-0Benzo(b) fluoranthene 205-99-2Benzo(b) fluoranthene 207-08-9Benzo(a) pyrene 193-39-5Indeno(1,2,3-cd) pyrene 360 U 53-70-3Dibenzo(a,h) anthracene 360 U 51-24-2Benzo(g,h,i) perylene 360 U 92-52-41,1'-Biphenyl 98-86-2Acetophenone 1912-24-9Atrazine 100-52-7Benzaldehyde 105-60-2Caprolactam	129-00-0	Pyrene	.1	1 -
91-94-13,3'-Dichlorobenzidine 56-55-3Benzo(a) anthracene 218-01-9Chrysene 117-81-7bis(2-Ethylhexyl)phthalate 117-84-0Benzo(b)fluoranthene 205-99-2Benzo(b)fluoranthene 360 U 207-08-9Benzo(k)fluoranthene 360 U 50-32-8Benzo(a)pyrene 193-39-5Indeno(1,2,3-cd)pyrene 360 U 53-70-3Dibenzo(a,h)anthracene 360 U 191-24-2Benzo(g,h,i)perylene 360 U 92-52-41,1'-Biphenyl 98-86-2Acetophenone 1912-24-9Atrazine 100-52-7Benzaldehyde 105-60-2Caprolactam	85-68-7	Butylbenzylphthalate	360	U
56-55-3Benzo (a) anthracene 360 U 218-01-9Chrysene 360 U 117-81-7bis (2-Ethylhexyl) phthalate 360 U 117-84-0Di-n-octylphthalate 360 U 205-99-2Benzo (b) fluoranthene 360 U 207-08-9Benzo (k) fluoranthene 360 U 50-32-8Benzo (a) pyrene 360 U 193-39-5Indeno (1,2,3-cd) pyrene 360 U 53-70-3Dibenzo (a,h) anthracene 360 U 191-24-2Benzo (g,h,i) perylene 360 U 92-52-41,1'-Biphenyl 360 U 98-86-2Acetophenone 360 U 1912-24-9Atrazine 360 U 100-52-7Benzaldehyde 360 U 105-60-2Caprolactam 360 U	91-94-1	3,3 -Dichlorobenzidine		· .
117-81-7bis(2-Ethylhexyl)phthalate 117-84-0			. I a second	1
117-81-7bis (2-Ethylhexyl) phthalate 360 U 117-84-0Di-n-octylphthalate 360 U 205-99-2Benzo (b) fluoranthene 360 U 207-08-9Benzo (k) fluoranthene 360 U 50-32-8Benzo (a) pyrene 360 U 193-39-5Indeno (1,2,3-cd) pyrene 360 U 53-70-3Benzo (g,h,i) perylene 360 U 191-24-2Benzo (g,h,i) perylene 360 U 98-86-2Acetophenone 360 U 1912-24-9Atrazine 360 U 100-52-7Benzaldehyde 360 U 105-60-2Caprolactam 360 U	218-01-9	Chrysene	.)	
117-84-0Di-n-octylphthalate 360 U 205-99-2Benzo (b) fluoranthene 360 U 207-08-9Benzo (k) fluoranthene 360 U 50-32-8Benzo (a) pyrene 360 U 193-39-5Indeno (1, 2, 3-cd) pyrene 360 U 53-70-3Benzo (a, h) anthracene 360 U 191-24-2Benzo (g, h, i) perylene 360 U 92-52-41,1'-Biphenyl 360 U 98-86-2Acetophenone 360 U 1912-24-9Atrazine 360 U 100-52-7Benzaldehyde 360 U 105-60-2Caprolactam 360 U	117-81-7	bis(2-Ethylhexyl)phthalate	- I	-
205-99-2Benzo (b) fluoranthene 360 U 207-08-9Benzo (k) fluoranthene 360 U 50-32-8Benzo (a) pyrene 360 U 193-39-5Indeno (1, 2, 3-cd) pyrene 360 U 53-70-3Dibenzo (a, h) anthracene 360 U 191-24-2Benzo (g, h, i) perylene 360 U 92-52-41,1'-Biphenyl 360 U 98-86-2Acetophenone 360 U 1912-24-9Atrazine 360 U 100-52-7Benzaldehyde 360 U 105-60-2Caprolactam 360 U	117-84-0	Di-n-octylphthalate	. 1	
207-08-3	205-99-2	Benzo (b) fluoranthene		1
193-39-5Indeno(1,2,3-cd)pyrene 53-70-3Benzo(a,h)anthracene 191-24-2Benzo(g,h,i)perylene 92-52-41,1'-Biphenyl 98-86-2Acetophenone 1912-24-9Atrazine 100-52-7Benzaldehyde 105-60-2Caprolactam	207-08-9	Benzo (k) fluoranthene	_	1 -
193-70-3Dibenzo(a,h) anthracene 360 U 191-24-2Benzo(g,h,i) perylene 360 U	50-32-8	Benzo (a) pyrene	_ *	1 -
53-70-3Dibenzo (a,h) anthracene 360 U 191-24-2Benzo (g,h,i) perylene 360 U 92-52-41,1'-Biphenyl 360 U 98-86-2Acetophenone 360 U 1912-24-9Atrazine 360 U 100-52-7Benzaldehyde 360 U 105-60-2Caprolactam 360 U	193-39-5	Indeno (1, 2, 3-cd) pyrene	1	
191-24-2Benzo(g,h,i)perylene 360 U 92-52-41,1'-Biphenyl 360 U 98-86-2Acetophenone 360 U 1912-24-9Atrazine 360 U 100-52-7Benzaldehyde 360 U 105-60-2Caprolactam 360 U	53-70-3	Dibenzo(a,h)anthracene	· ·	
92-52-41,1'-Biphenyl 360 U 98-86-2Acetophenone 360 U 1912-24-9Atrazine 360 U 100-52-7Benzaldehyde 360 U 105-60-2Caprolactam 360 U	191-24-2	Benzo(g,h,i)perylene	_ 1	, -
98-86-2Acetophenone 360 U 1912-24-9Atrazine 360 U 100-52-7Benzaldehyde 360 U 105-60-2Caprolactam 360 U	92-52-4	1,1'-Biphenyl		I -
1912-24-9	98-86-2	Acetophenone	= I	
100-52-7Benzaldehyde 360 U J 105-60-2Caprolactam 360 U			_ •	l
105-60-2Caprolactam 360 U	100-52-7	Benzaldehyde	- I	_ ~
95-94-31,2,4,5-Tetrachlorobenzene360 U	105-60-2	Caprolactam	_ I	
	95-94-3	1,2,4,5-Tetrachlorobenzene	_ 360	U
			_	l

(1) - Cannot be separated from Diphenylamine

FORM I SV-2

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

BURROW 1

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

LOW

1.0(uL)

SAS No.:

SDG No.: MF1730

Matrix: (soil/water) SOIL

Lab Sample ID: F1730-01A

Sample wt/vol:

30.2 (g/mL) G

Lab File ID: S2F5686

Date Received: 11/27/07

Level: (low/med)

decanted: (Y/N) N

Date Extracted: 11/27/07

% Moisture: 10 Concentrated Extract Volume: 1000(uL)

Date Analyzed: 11/28/07

Injection Volume:

Dilution Factor: 1.0

GPC Cleanup:

(Y/N) N

pH:

Number TICs found: 1

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	
1.	UNKNOWN	7.89	22	
2.		<u> </u>		
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28. 29.	-			
30.				
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FORM I SV-TIC

OLM03.0

2/19/08

EPA SAMPLE NO.

BURROW 2

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.:

SDG No.: MF1730

Matrix: (soil/water) SOIL

Lab Sample ID: F1730-02A

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: S2F5687

Level: (low/med) LOW

Date Received: 11/27/07

% Moisture: 9

decanted: (Y/N) N

Date Extracted:11/27/07

Concentrated Extract Volume: 1000(uL)

Date Analyzed: 11/28/07

Injection Volume: 1.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH:

CAS NO.	COMPOUND	CONCENTRATION (ug/L or ug/	N UI 'Kg)	NITS: UG/KG	*	Q
95-57-8 95-48-7 108-60-1 106-44-5 621-64-7 98-95-3 88-75-5 105-67-9 120-83-2 106-47-8 111-91-1 59-50-7 91-57-6 77-47-4 88-06-2 91-58-7 91-58-7 91-58-7 91-58-7 91-58-7 91-58-7 91-58-7 131-11-3 208-96-8 99-09-2 99-09-2 132-64-9	Phenolbis(2-Chloroet2-Chlorophenol2,2'-oxybis(14-MethylphenolN-Nitroso-di-rHexachloroetheIsophorone2,4-Dimethylphenol2,4-Dimethylphenol2,4-Dichlorophenol4-ChloroanilirHexachlorobut4-Chloro-3-Me4-Chloro-3-Me2-Methylnapht2,4,6-Trichlo2,4,5-Trichlo	Chloropropane) In-propylamine ane menol menol me adiene thoxy) methane thylphenol halene lopentadiene rophenol rophenol halene e late e luene e			360	

FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

BURROW 2

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.:

SDG No.: MF1730

Matrix: (soil/water) SOIL

Lab Sample ID: F1730-02A

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: S2F5687

Level: (low/med) LOW

Date Received: 11/27/07

% Moisture: 9

decanted: (Y/N) N

Date Extracted: 11/27/07

Concentrated Extract Volume: 1000(uL)

Date Analyzed: 11/28/07

Injection Volume: 1.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG CAS NO. COMPOUND

84-66-2	Diethylphthalate	360	U
7005-72-3	4-Chlorophenyl-phenylether_	360	Ū
86-73-7	Fluorene	360	Ū
	4-Nitroaniline	740	Ū
	4,6-Dinitro-2-methylphenol	740	Ū
224-22-1	Nitrosodiphenylamine (1)	360	Ū
101-55-3	4-Bromophenyl-phenylether	360	Ü
110-74-1	Hexachlorobenzene	360	Ū
	Pentachlorophenol	740	Ū
07-00-5	Phenanthrene	360	Ū
120-12-7	Anthracene	360	
86-74-8		360	l
	Di-n-butylphthalate	360	-
	Fluoranthene	360	
129-00-0		360	1 -
129-00-0	Butylbenzylphthalate	360	
85-68-/	3,3'-Dichlorobenzidine	360	1
	Benzo (a) anthracene	360	I .
		360	1
218-01-9	bis(2-Ethylhexyl)phthalate		U
11/-81-/	DIS(2-ELITYTHEXY1)phthalatace	360	-
	Di-n-octylphthalate	360	, -
	Benzo(b) fluoranthene	360	-
	Benzo(k) fluoranthene	360	1 -
	Benzo (a) pyrene	360	j
	Indeno(1,2,3-cd)pyrene	360	1 -
	Dibenzo (a, h) anthracene	360	i
	Benzo(g,h,i)perylene	360	_
	1,1'-Biphenyl	360	l .
	Acetophenone	360	1 -
1912-24-9			
	Benzaldehyde		n 1
105-60-2	Caprolactam	360	1
95-94-3	1,2,4,5-Tetrachlorobenzene_	360	١٠

(1) - Cannot be separated from Diphenylamine FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

BURROW 2

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.:

SDG No.: MF1730

Matrix: (soil/water) SOIL

Lab Sample ID: F1730-02A

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: S2F5687

Level: (low/med) LOW

Date Received: 11/27/07

% Moisture: 9 decanted: (Y/N) N

Date Extracted:11/27/07

Concentrated Extract Volume: 1000(uL)

Date Analyzed: 11/28/07

Injection Volume: 1.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: ____

Number TICs found: 2

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q =====
1. 2. 3.	UNKNOWN	7.88	26	JB
4				
8. 9. 10.				
11. 12. /13. 14.				
16. 17.				
18. 19. 20. 21.				
23				
25. 26. 27. 28.		:		
29.				

FORM I SV-TIC

BURROW 1

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.: SAS No.:

SDG No.: MF1730

Matrix: (soil/water) SOIL

Lab Sample ID: F1730-01A

Sample wt/vol:

30.1 (g/mL) G

Lab File ID: E2G7361F

% Moisture: 10

decanted: (Y/N) N

Date Received: 11/27/07

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted:11/27/07

Concentrated Extract Volume: 10000(uL)

Date Analyzed: 11/29/07

Injection Volume: 1.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg) UG/KG

12674-11-2Aroclor-1016 11104-28-2Aroclor-1221 11141-16-5Aroclor-1232 53469-21-9Aroclor-1242 12672-29-6Aroclor-1248 11097-69-1Aroclor-1254 11096-82-5Aroclor-1260	36 36 36 36 36 36 36 36	ם ם ם ם
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BURROW 2

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: MF1730

Matrix: (soil/water) SOIL

Lab Sample ID: F1730-02A

Sample wt/vol:

30.2 (q/mL) G

Lab File ID:

E2G7362F

% Moisture: 9

Date Received: 11/27/07

decanted: (Y/N) N

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 11/27/07

Concentrated Extract Volume: 10000(uL)

Date Analyzed: 11/29/07

Injection Volume:

1.0(uL)

Dilution Factor: 1.0

GPC Cleanup:

(Y/N) N

pH:

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO. COMPOUND

(ug/L or ug/Kg) UG/KG

12674-11-2Aroclor-1016 11104-28-2Aroclor-1221 11141-16-5Aroclor-1232 53469-21-9Aroclor-1242 12672-29-6Aroclor-1248 11097-69-1Aroclor-1254	36 U 36 U 36 U 36 U 36 U 36 U	1 1 1
11096-82-5Aroclor-1260	36 U	

U.S. EPA - CLP

EPA SAMPLE NO.

INÒRGANIC	ANALYSIS	DATA	SHEET	
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SIS	DATA	SHEET	BURROW	1
ont	ract:	MEC02060291		

Mitkem Laboratories Lab Name: SDG No.: MF1730 SAS No.: MITKEM Case No.: Lab Code:

Lab Sample ID: F1730-01 Matrix (soil/water): SOIL

Date Received: 11/27/2007 Level (low/med): MED

% Solids: 90.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	С	Q	М
7429-90-5	Aluminum	2760			P
7440-36-0	Antimony	0.16	₽	* UJ	P
7440-38-2	Arsenic	2.2			P
7440-39-3	Barium	10.6			P
7440-41-7	Beryllium	0.075	В		P
7440-43-9	Cadmium	0.13	B	U	P
7440-70-2	Calcium	11000			P
7440-47-3	Chromium	3.1			P
7440-48-4	Cobalt	2.7		E	P
7440-50-8	Copper	9.3			P
7439-89-6	Iron	6580		E	P
7439-92-1	Lead	2.1			P
7439-95-4	Magnesium	3290			P
7439-96-5	Manganese	. 252		E	P
7439-97-6	Mercury	0.0058	Ü		CV
7440-02-0	Nickel	5.4		E	P
7440-09-7	Potassium	320			P
7782-49-2	Selenium	0.10	ΰ.		P
7440-22-4	Silver	0.62	3	U	P
7440-23-5	Sodium	20.0	В		P
7440-28-0	Thallium	0.075	ΰ		P
7440-62-2	Vanadium .	4.5			P
7440-66-6	Zinc	13.2		E T	Р

Comments:			TC 2119/08
•			

U.S. EPA - CLP

1

EPA SAMPLE NO.

TNORGANIC	ANALYSIS	DATA	SHEET

INORGANIC	ANALYSIS	DATA	SHEET	BURROW	2
	Cont	ract:	MEC02060291		

Lab	Code:	MITKEM	Case No.:	SAS No.:	SDG No.:	MF1730

Lab Sample ID: F1730-02 Matrix (soil/water): SOIL

Date Received: 11/27/2007 Level (low/med): MED

% Solids: 91.0

Lab Name: Mitkem Laboratories

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	С	Q	M
7429-90-5	Aluminum	2770			P
7440-36-0	Antimony	0.12	U	иЈ	P
7440-38-2	Arsenic	2.7			P
7440-39-3	Barium	10.7			P
7440-41-7	Beryllium	0.077	В		Р
7440-43-9	Cadmium	0.13	Æ	υ	P
7440-70-2	Calcium	12300			P
7440-47-3	Chromium	3.1			P
7440-48-4	Cobalt	2.9		E	P
7440-50-8	Copper	10.1			P
7439-89-6	Iron	6890		E	P
7439-92-1	Lead	3.6			P
7439-95-4	Magnesium	3530			₽
7439-96-5	Manganese	255		E	P
7439-97-6	Mercury	0.0049	Ü		CV
7440-02-0	Nickel	5.6		E	P
7440-09-7	Potassium	348			P
7782-49-2	Selenium	0.12	,В	U	P
7440-22-4	Silver	0.59	P/	U	P
7440-23-5	Sodium	20.7	В		P
7440-28-0	Thallium	0.089	Ū		P
7440-62-2	Vanadium	4.7			Р
7440-66-6	Zinc	14.3		EJ	P

	•	TC
·		2/19/18
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APPENDIX B

WASTE MANIFESTS

01/03/08	8 08:50:46	VOLUME REPORT	NY295949	PAGE 1
RECEIVEI DATE	PROFILE R	ECEIVED QTY (LBS)	MANIFEST #	RECEIPT #
11/27/07	NY295949 NY295949 NY295949 NY295949 NY295949	64240.00 69360.00 72780.00 71200.00 71760.00	000363333GBF 000363332GBF 000363331GBF 000363334GBF 000363330GBF	081620028 081620029 081620030 081620036 081620039
11/28/07	TOTAI NY295949 NY295949 NY295949 NY295949 NY295949	349340.00 68100.00 67000.00 72420.00 76860.00 73780.00 75080.00	000363340GBF 000363337GBF 000363338GBF 000363336GBF 000363339GBF 000363335GBF	081620073 081620074 081620075 081620076 081620081 081620112
11/29/07	TOTAL NY295949	433240.00 76180.00	000363341GBF	081620130
1.1 ₇	TOTAL	76180.00	10000011001	001020130
11/30/07	NY295949 NY295949 TOTAL	61740.00 67780.00 129520.00	000363343GBF 000363344GBF	081620172 081620173
.2/07/07	NY295949 NY295949 NY295949 NY295949	69300.00 63200.00 73580.00 70040.00	000363346GBF 000363347GBF 000363345GBF 000363348GBF	081620445 081620446 081620448 081620452
	TOTAL	276120.00		
	TOTAL	1264400.00		

* * * * END OF REPORT * * *

11/

12/0



1550 Balmer Road P.O. Box 200 Model City, NY 14107 (716) 754-8231 (716) 754-0211 Fax

NEW YORK STATE DEPT ENV CONS ATTN: ENVIRONMENTAL COMPLIANCE DEPT NYD987014438 3456 ONEIDA ST CHADWICKS NY 13413

CERTIFICATE OF DISPOSAL ______

CWM CHEMICAL SERVICES, L.L.C., EPA ID: NYD049836679, has received waste material from NEW YORK STATE DEPT ENV CONS on 11/27/07 as described on Shipping Document number 000363330GBF Sequence number 01. CWM CHEMICAL SERVICES, L.L.C. hereby certifies that the above described material was landfilled in accordance with the 40 CFR part 761 as it pertains to the land disposal of polychlorinated biphenyl contaminated materials.

Profile Number: NY295949 CWM Tracking ID: 8162003901 CWM Unit #: 1*0

Disposal Date: 11/27/07

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verificatlon that this information is true accurate and complete.

MICHAEL D MAHAR DISTRICT MANAGER Certificate # 311420

11/28/07



1550 Balmer Road P.O. Box 200 Model City, NY 14107 (716) 754-8231 (716) 754-0211 Fax

NEW YORK STATE DEPT ENV CONS ATTN: ENVIRONMENTAL COMPLIANCE DEPT NYD987014438 3456 ONEIDA ST CHADWICKS NY 13413

CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C., EPA ID: NYD049836679, has received waste material from NEW YORK STATE DEPT ENV CONS on 11/27/07 as described on Shipping Document number 000363331GBF Sequence number 01. CWM CHEMICAL SERVICES, L.L.C. hereby certifies that the above described material was landfilled in accordance with the 40 CFR part 761 as it pertains to the land disposal of polychlorinated biphenyl contaminated materials.

Profile Number: NY295949 CWM Tracking ID: 8162003001

CWM Unit #: 1*0

Disposal Date: 11/27/07

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true accurate and complete.

MICHAEL D MAHAR DISTRICT MANAGER

Certificate # 311412

11/28/07



1550 Balmer Road P.O. Box 200 Model City, NY 14107 (716) 754-8231 (716) 754-0211 Fax

NEW YORK STATE DEPT ENV CONS

ATTN: ENVIRONMENTAL COMPLIANCE DEPT

NYD987014438 3456 ONEIDA ST CHADWICKS NY 13413

CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C., EPA ID: NYD049836679, has received waste material from NEW YORK STATE DEPT ENV CONS on 11/27/07 as described on Shipping Document number 000363332GBF Sequence number 01. CWM CHEMICAL SERVICES, L.L.C. hereby certifies that the above described material was landfilled in accordance with the 40 CFR part 761 as it pertains to the land disposal of polychlorinated biphenyl contaminated materials.

Profile Number: NY295949 CWM Tracking ID: 8162002901

CWM Unit #: 1*0 Disposal Date: 11/27/07

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true accurate and complete.

MICHAEL D MAHAR DISTRICT MANAGER Certificate # 311411

11/28/07



1550 Balmer Road P.O. Box 200 Model City, NY 14107 (716) 754-8231 (716) 754-0211 Fax

NEW YORK STATE DEPT ENV CONS

ATTN: ENVIRONMENTAL COMPLIANCE DEPT

NYD987014438 3456 ONEIDA ST CHADWICKS NY 13413

CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C., EPA ID: NYD049836679, has received waste material from NEW YORK STATE DEPT ENV CONS on 11/27/07 as described on Shipping Document number 000363333GBF Sequence number 01. CWM CHEMICAL SERVICES, L.L.C. hereby certifies that the above described material was landfilled in accordance with the 40 CFR part 761 as it pertains to the land disposal of polychlorinated biphenyl contaminated materials.

Profile Number: NY295949 CWM Tracking ID: 8162002801

CWM Unit #: 1*0 Disposal Date: 11/27/07

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true accurate and complete.

MICHAEL D MAHAR DISTRICT MANAGER Certificate # 311410

11/28/07



1550 Balmer Road P.O. Box 200 Model City, NY 14107 (716) 754-8231 (716) 754-0211 Fax

NEW YORK STATE DEPT ENV CONS ATTN: ENVIRONMENTAL COMPLIANCE DEPT NYD987014438 3456 ONEIDA ST CHADWICKS NY 13413

CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C., EPA ID: NYD049836679, has received waste material from NEW YORK STATE DEPT ENV CONS on 11/27/07 as described on Shipping Document number 000363334GBF Sequence number 01. CWM CHEMICAL SERVICES, L.L.C. hereby certifies that the above described material was landfilled in accordance with the 40 CFR part 761 as it pertains to the land disposal of polychlorinated biphenyl contaminated materials.

Profile Number: NY295949 CWM Tracking ID: 8162003601

CWM Unit #: 1*0 Disposal Date: 11/27/07

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true accurate and complete.

MICHAEL D MAHAR
DISTRICT MANAGER
Certificate # 311417

11/28/07



1550 Balmer Road P.O. Box 200 Model City, NY 14107 (716) 754-8231 (716) 754-0211 Fax

Division of Environmental Remediation

NEW YORK STATE DEPT ENV CONS

ATTN: WM. BENNETT NYD987014438

625 BROADWAY

ALBANY NY 12233-7014

CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C., EPA ID: NYD049836679, has received waste material from NEW YORK STATE DEPT ENV CONS on 11/28/07 as described on Shipping Document number 000363335GBF Sequence number 01. CWM CHEMICAL SERVICES, L.L.C. hereby certifies that the above described material was landfilled in accordance with the 40 CFR part 761 as it pertains to the land disposal of polychlorinated biphenyl contaminated materials.

Profile Number: NY295949 CWM Tracking ID: 8162011201 CWM Unit #: 1*0

Disposal Date: 11/28/07

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the verification that this information is true accurate and complete.

MICHAEL D MAHAR DISTRICT MANAGER

Certificate # 311544

11/29/07

from



1550 Balmer Road P.O. Box 200 Model City, NY 14107 (716) 754-8231 (716) 754-0211 Fax

NEW YORK STATE DEPT ENV CONS ATTN: WM. BENNETT NYD987014438 625 BROADWAY ALBANY NY 12233-7014

CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C., EPA ID: NYD049836679, has received waste material from NEW YORK STATE DEPT ENV CONS on 11/28/07 as described on Shipping Document number 000353336GBF Sequence number 01. CWM CHEMICAL SERVICES, L.L.C. hereby certifies that the above described material was landfilled in accordance with the 40 CFR part 761 as it pertains to the land disposal of polychlorinated biphenyl contaminated materials.

Profile Number: NY295949 CWM Tracking ID: 8162007601

CWM Unit #: 1*0 Disposal Date: 11/28/07

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true accurate and complete.

DISTRICT MANAGER

Certificate # 311511

11/29/07



1550 Balmer Road P.O. Box 200 Model City, NY 14107 (716) 754-8231 (716) 754-0211 Fax

NEW YORK STATE DEPT ENV CONS ATTN: WM. BENNETT NYD987014438 625 BROADWAY ALBANY NY 12233-7014

CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C., EPA ID: NYD049836679, has received waste material from NEW YORK STATE DEPT ENV CONS on 11/28/07 as described on Shipping Document number 000363337GBF Sequence number 01. CWM CHEMICAL SERVICES, L.L.C. hereby certifies that the above described material was landfilled in accordance with the 40 CFR part 761 as it pertains to the land disposal of polychlorinated biphenyl contaminated materials.

Profile Number: NY295949 CWM Tracking ID: 8162007401

CWM Unit #: 1*0 Disposal Date: 11/28/07

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true accurate and complete.

MICHAEL D MAHAR DISTRICT MANAGER Certificate # 311509

11/29/07



1550 Balmer Road P.O. Box 200 Model City, NY 14107 (716) 754-8231 (716) 754-0211 Fax

NEW YORK STATE DEPT ENV CONS ATTN: WM. BENNETT NYD987014438 625 BROADWAY ALBANY NY 12233-7014

CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C., EPA ID: NYD049836679, has received waste material from NEW YORK STATE DEPT ENV CONS on 11/28/07 as described on Shipping Document number 000363338GBF Sequence number 01. CWM CHEMICAL SERVICES, L.L.C. hereby certifies that the above described material was landfilled in accordance with the 40 CFR part 761 as it pertains to the land disposal of polychlorinated biphenyl contaminated materials.

Profile Number: NY295949 CWM Tracking ID: 8162007501

CWM Unit #: 1*0 Disposal Date: 11/28/07

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true accurate and complete.

MICHAEL D MAHAR DISTRICT MANAGER Certificate # 311510

11/29/07

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1550 Balmer Road P.O. Box 200 Model City, NY 14107 (716) 754-8231 (716) 754-0211 Fax

NEW YORK STATE DEPT ENV CONS ATTN: WM. BENNETT NYD987014438 625 BROADWAY ALBANY NY 12233-7014

CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C., EPA ID: NYD049836679, has received waste material from NEW YORK STATE DEPT ENV CONS on 11/28/07 as described on Shipping Document number 000363339GBF Sequence number 01. CWM CHEMICAL SERVICES, L.L.C. hereby certifies that the above described material was landfilled in accordance with the 40 CFR part 761 as it pertains to the land disposal of polychlorinated biphenyl contaminated materials.

Profile Number: NY295949 CWM Tracking ID: 8162008101

CWM Unit #: 1*0

Disposal Date: 11/28/07

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true accurate and complete.

MICHAEL D MAHAR DISTRICT MANAGER

Certificate # 311516

11/29/07



1550 Balmer Road P.O. Box 200 Model City, NY 14107 (716) 754-8231 (716) 754-0211 Fax

NEW YORK STATE DEPT ENV CONS ATTN: WM. BENNETT NYD987014438 625 BROADWAY ALBANY NY 12233-7014

CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C., EPA ID: NYD049836679, has received waste material from NEW YORK STATE DEPT ENV CONS on 11/28/07 as described on Shipping Document number 000363340GBF Sequence number 01. CWM CHEMICAL SERVICES, L.L.C. hereby certifies that the above described material was landfilled in accordance with the 40 CFR part 761 as it pertains to the land disposal of polychlorinated biphenyl contaminated materials.

Profile Number: NY295949 CWM Tracking ID: 8162007301

CWM Unit #: 1*0 Disposal Date: 11/28/07

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true accurate and complete.

MICHAEL D MAHAR DISTRICT MANAGER Certificate # 311508

11/29/07



1550 Balmer Road P.O. Box 200 Model City, NY 14107 (716) 754-8231 (716) 754-0211 Fax

NEW YORK STATE DEPT ENV CONS ATTN: WM. BENNETT NYD987014438

625 BROADWAY ALBANY NY 12233-7014 DEC 1 0 2007

CERTIFICATE OF DISPOSAL ______

CWM CHEMICAL SERVICES, L.L.C., EPA ID: NYD049836679, has received waste material from NEW YORK STATE DEPT ENV CONS on 11/29/07 as described on Shipping Document number 000363341GBF Sequence number 01. CWM CHEMICAL SERVICES, L.L.C. hereby certifies that the above described material was landfilled in accordance with the 40 CFR part 761 as it pertains to the land disposal of polychlorinated biphenyl contaminated materials.

Profile Number: NY295949 CWM Tracking ID: 8162013001

CWM Unit #: 1*0 Disposal Date: 11/29/07

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true accurate and complete.

MICHAEL D MAHAR DISTRICT MANAGER Certificate # 311574

11/30/07



1550 Balmer Road P.O. Box 200 Model City, NY 14107 (716) 754-8231 (716) 754-0211 Fax

NEW YORK STATE DEPT ENV CONS ATTN: WM. BENNETT NYD987014438 625 BROADWAY ALBANY NY 12233-7014

CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C., EPA ID: NYD049836679, has received waste material from NEW YORK STATE DEPT ENV CONS on 11/30/07 as described on Shipping Document number 000363343GBF Sequence number 01. CWM CHEMICAL SERVICES, L.L.C. hereby certifies that the above described material was landfilled in accordance with the 40 CFR part 761 as it pertains to the land disposal of polychlorinated biphenyl contaminated materials.

Profile Number: NY295949 CWM Tracking ID: 8162017201

CWM Unit #: 1*0 Disposal Date: 11/30/07

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true accurate and complete.

MICHAEL D MAHAR DISTRICT MANAGER Certificate # 311608

12/03/07



1550 Balmer Road P.O. Box 200 Model City, NY 14107 (716) 754-8231 (716) 754-0211 Fax

NEW YORK STATE DEPT ENV CONS ATTN: WM. BENNETT NYD987014438 625 BROADWAY ALBANY NY 12233-7014

CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C., EPA ID: NYD049836679, has received waste material from NEW YORK STATE DEPT ENV CONS on 11/30/07 as described on Shipping Document number 000363344GBF Sequence number 01. CWM CHEMICAL SERVICES, L.L.C. hereby certifies that the above described material was landfilled in accordance with the 40 CFR part 761 as it pertains to the land disposal of polychlorinated biphenyl contaminated materials.

Profile Number: NY295949 CWM Tracking ID: 8162017301

CWM Unit #: 1*0 Disposal Date: 11/30/07

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true accurate and complete.

MICHAEL D MAHAR DISTRICT MANAGER Certificate # 311609

12/03/07



1550 Balmer Road P.O. Box 200 Model City, NY 14107 (716) 754-8231 (716) 754-0211 Fax

NEW YORK STATE DEPT ENV CONS ATTN: WM. BENNETT NYD987014438 625 BROADWAY ALBANY NY 12233-7014

CERTIFICATE OF DISPOSAL -----

CWM CHEMICAL SERVICES, L.L.C., EPA ID: NYD049836679, has received waste material from NEW YORK STATE DEPT ENV CONS on 12/07/07 as described on Shipping Document number 000363345GBF Sequence number 01. CWM CHEMICAL SERVICES, L.L.C. hereby certifies that the above described material was landfilled in accordance with the 40 CFR part 761 as it pertains to the land disposal of polychlorinated biphenyl contaminated materials.

Profile Number: NY295949 CWM Tracking ID: 8162044801

CWM Unit #: 1*0 Disposal Date: 12/07/07

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true accurate and complete.

MICHAEL D MAHAR DISTRICT MANAGER Certificate # 311918 12/10/07



1550 Balmer Road P.O. Box 200 Model City, NY 14107 (716) 754-8231 (716) 754-0211 Fax

NEW YORK STATE DEPT ENV CONS ATTN: WM. BENNETT NYD987014438 625 BROADWAY ALBANY NY 12233-7014

CERTIFICATE OF DISPOSAL -----

CWM CHEMICAL SERVICES, L.L.C., EPA ID: NYD049836679, has received waste material from NEW YORK STATE DEPT ENV CONS on 12/07/07 as described on Shipping Document number 000363346GBF Sequence number 01. CWM CHEMICAL SERVICES, L.L.C. hereby certifies that the above described material was landfilled in accordance with the 40 CFR part 761 as it pertains to the land disposal of polychlorinated biphenyl contaminated materials.

Profile Number: NY295949 CWM Tracking ID: 8162044501

CWM Unit #: 1*0

Disposal Date: 12/07/07

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true accurate and complete.

MICHAEL D MAHAR DISTRICT MANAGER Certificate # 311915

12/10/07



1550 Balmer Road P.O. Box 200 Model City, NY 14107 (716) 754-8231 (716) 754-0211 Fax

NEW YORK STATE DEPT ENV CONS ATTN: WM. BENNETT NYD987014438 625 BROADWAY ALBANY NY 12233-7014

CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C., EPA ID: NYD049836679, has received waste material from NEW YORK STATE DEPT ENV CONS on 12/07/07 as described on Shipping Document number 000363347GBF Sequence number 01. CWM CHEMICAL SERVICES, L.L.C. hereby certifies that the above described material was landfilled in accordance with the 40 CFR part 761 as it pertains to the land disposal of polychlorinated biphenyl contaminated materials.

Profile Number: NY295949 CWM Tracking ID: 8162044601

CWM Unit #: 1*0 Disposal Date: 12/07/07

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MICHAEL D MAHAR DISTRICT MANAGER Certificate # 311916

12/10/07



1550 Balmer Road P.O. Box 200 Model City, NY 14107 (716) 754-8231 (716) 754-0211 Fax

DEC 1 7 2007

Remedial Bureau C Division of Environmental Remediation

NEW YORK STATE DEPT ENV CONS

ATTN: WM. BENNETT

NYD987014438 625 BROADWAY ALBANY NY 12233-7014

CERTIFICATE OF DISPOSAL _______

CWM CHEMICAL SERVICES, L.L.C., EPA ID: NYD049836679, has received waste material from NEW YORK STATE DEPT ENV CONS on 12/07/07 as described on Shipping Document number 000363348GBF Sequence number 01. CWM CHEMICAL SERVICES, L.L.C. hereby certifies that the above described material was landfilled in accordance with the 40 CFR part 761 as it pertains to the land disposal of polychlorinated biphenyl contaminated materials.

Profile Number: NY295949 CWM Tracking ID: 8162045201

CWM Unit #: 1*0

Disposal Date: 12/07/07

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true accurate and complete.

MICHAEL D MAHAR DISTRICT MANAGER Certificate # 311922 12/10/07

ase pr	rint or type. (Form desig	gned for use on elite (12-pitch)	typewriter.)			pent extra			Approved, OMB No. 2	2050-003
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	ransporter 2 Company Nam						U.S. EFAID	Nulliber		
8. De	esignated Facility Name an	nd Site Address	L.C.				U.S. EPA ID	Number	I DIE	
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Facil	lity's Phone:		(716)75	September 1992	1					
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14. 5	Special Handling Instruction	ns and Additional Information	PCB out of ser	vice date	11176	10				
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	erator's/Offeror's Printed/Ty		CFR 202.27(a) (ii) aisi a iai		nature	a strial quantity (generatory is true.		Month Day	
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18a.	Discrepancy Indication Sp.	ace Quantity	Туре		Residue		Partial Re	ejection	Full Reje	ection
18b.	Alternate Facility (or General	rator)			Manifest Refi	erence Number:	U.S. EPA ID	Number		
	lity's Phone:	AV LES		Tolk	er pyre nepsel					2002
18c.	Signature of Alternate Faci	lity (or Generator)		A Mari					Month Day	/ Yea
18c.	Hazardous Waste Report M	anagement Method Codes (i.e., co	des for hazardous waste tre		, and recycling syste	ems)				
3.	H132	2.	WAS WALKS	3.			4.			
A COLUMN	Contract Con	or Operator: Certification of receipt	of hazardous materials cove			in Item 18a	1			
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	CWM CHE 1550 BALA MODEL CI	MICAL SERVICES, L.L.	C. (716)754-82	231			N Y		9 8 3 6 6	7 9
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18a.	Discrepancy Indication Spa	ace Quantity	Туре		Residue est Reference	Number:	Partial Re	jection	Full Re	jection
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ease print or type. (Form designed for use on elite (12-pitch) typewriter.)	ranny Bosnessa Phone	4 Manifest	Tracking Num	oproved, OMB No. 2050-00
WASTE MANIFEST N Y D 9 8 7 0 1 4 4 3 8 1 (8	rgency Response Phone	0	0038	3332GBF
5. Generator's Name and Mailing Address Generat Generator's Name and Mailing Address Generator's Phone:	or's Site Address (if different th	TE DEPT E	ss) NV CONS	
6. Transporter 1 Company Name		U.S. EPA ID I	Number	
7. Transporter 2 Company Name		U.S. EPA ID N	lumber	A7515
Designated Facility Name and Site Address		U.S. EPA ID N	Numher	
CWM CHEMICAL SERVICES, L.L.C. 1550 BALMER RD. MODEL CITY NY 14197 Facility's Phone: (716) 754-8231				9836679
9a. HM and Packing Group (if any)) 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No. Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
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NY295949	30, [0]	33100		B007
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3.				
	Carlo 19			
4				
14. Special Handling Instructions and Additional Information				
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully a	and accurately described abov	3/4/ _e by the proper sh	sipping name, a	nd are classified, packaged,
marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable inte Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgmen I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or	t of Consent.		. If export shipn	ent and I am the Primary
Generator's/Offeror's Printed/Typed Name Signature	142		Druit 1	Month Day Yea
16. Intermational Shipments Import to U.S. Export from U.S. Transporter signature (for exports only):	Port of entry/exit: Date leaving U.S.:			
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Transporter 2 Printed/Typed Name Signature				Month Day Yea
18. Discrepancy				
18a. Discrepancy Indication Space Quantity Type	Residue	Partial Rej	ection	Full Rejection
	anifest Reference Number:	U.S. EPA ID N	lumber	
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18c. Signature of Alternate Facility (or Generator)				Month Day Ye
18b. Alternate Facility (or Generator) Facility's Phone: 18c. Signature of Alternate Facility (or Generator) 19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and rec.,	cycling systems)	4.		
H132				
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest exce Printed/Typed Name Signature	pt as noted in item 18a	1		Wonth Day Yea
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		nerator's Name and Mailing Address NYSDEC DV CENV REMED 11TH FLR 625 BROADWAY ALBANY NY 12233-7014 ATTN WM. BENNETT rator's Phone:	- 9662	3456 O		han mailing addres	ss)		
П		nsporter 1 Company Name	127822			U.S. EPA ID N	Number		/ I
	7. Tra	nsporter 2 Company Name	UG.		De Danes	U.S. EPA ID N		734751	5
	8. De	signated Facility Name and Site Address				U.S. EPA ID 8	lumber	7 (4)	140.3
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П	Facili	y or more	4-0201	1 40.0		I Carrier F		THE STREET STREET	
	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))		10. Con No.	Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Code	Š
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GENERATO		2.				20,000			
	15. Gener	GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this marked and labeled/placarded, and are in all respects in proper condition for transport acceptorer, I certify that the contents of this consignment conform to the terms of the attached certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a larginator's/Offeror's Printed/Typed Name	consignment a ording to applic d EPA Acknow e quantity gen Sign	are fully and accurately cable international and nedgment of Consent.	described abov	mental regulations.			Year
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NATED FAC		y's Phone: ignature of Alternate Facility (or Generator)						Month Day	Year
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	Gener	ator's Phone:	OF ENV REN NY 2233-7014 /	NED 11TH FLR	NETT (518)40:	2- 9662			RK STA	han mailing addr	ess) ENV CON		
Ш		nsporter 1 Company Nam		TA 11-	10.					U.S. EPA ID	Number		101
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	7. Tran	nsporter 2 Company Nam	ne			1				Ų.S. EPĀ ID	Number		DOM:
	8. Des	ignated Facility Name an	d Site Address	VICES, L.L.C.		+				U.S. EPA ID	Number	Statut at the	
		1650 BALI								N Y	D 0 4	98366	7 9
П	Facility	y's Phone:		Management at	(716)75	4-8231		55/100	A Tellizat		ACCOUNT NAMED IN		2 2
	9a. HM	9b. U.S. DOT Descripti and Packing Group (if a		Shipping Name, Hazard	Class, ID Number			10. Contai	iners Type	11. Total Quantity	12, Unit Wt./Vol.	13. Waste Cod	es
ENERATOR —	х	RQ, POLYCI UN3432,III	HLORINATE	D BIPHENYLS,	SOLID MIX	TURE,9,	49	001	M	1500	13K	B007	
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		4.							To State	(1)			
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		SENERATOR'S/OFFERO					are fully and	accurately de	escribed above	e by the proper s	hipping name,		
	E	narked and labeled/placa exporter, I certify that the certify that the waste min	contents of this consimization statement	signment conform to the	terms of the attach	ned EPA Acknow rge quantity ger	eledgment of nerator) or (b	Consent.			s. If export ship	Dr.	
	Genera	ator's/Offeror's Printed/Ty	ped Name	ENE	NYSI	St. Married Williams	nature	15				Month Da	
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		porter signature (for expo			1-1-11-11-11-11-1	B		Date leav	ing U.S.:	THE CONTRACTOR OF THE CONTRACT	7-1		
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	l 80. Ai	iternate Facility (or Gener	rator)	mar 1000	1 5-1-6	148	Watti	ISSET TO CITE ISSUED	o realiset.	U.S. EPA ID	Number		
DESIGNATED FACILITY	Facility	s's Phone:								1			
	,	ignature of Alternate Faci	lity (or Generator)	1	A 150		N	. 30	3	V and		Month Da	y Year
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EST	19. Ha:	zardous Waste Report M	anagement Method	Codes (i.e., codes for ha	azardous waste tre	atment, disposa	ii, and recyc	ing systems)		4.	1021		5
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		signated Facility Owner of	or Operator: Certifica	ition of receipt of hazardo	ous materials cove			as noted in Iter	n 18a	6		C. SIMI's	Park of
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UNI	IFORM HAZARDOUS	Generator ID Number	N Chicken	2. Page 1 of	3. Emergency Resp	onse Phone	4. Manifest	Tracking Nur	nber	ODE
	VASTE MANIFEST	NYD987014	4 3 8	1	(800) 424		U		63336	3 D F
Gen	625 BROADWALBANY NY 1 erator's Phone:	OF ENV REMED 11TH FLR AY 2233-7014 ATTN WM. BEN	NETT (518)402	2- 9662	3456	lress (if different	TE DEPT 6 T 13413	ENV CON	S	
1	ransporter 1 Company Nar ransporter 2 Company Nar	KTransport.	Inc	d Wall			U.S. EPA ID	1987	347515	
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8. De	esignated Facility Name a			oligi is ign	3,3,7,6	N Marie	U.S. EPA ID	Number		34.7
Engi	1550 BALI MODEL C	EMICAL SERVICES, L.L.C. MER RD. ITY NY 14107	(716)75	4-8231			NY	D 0 4	9 8 3 6 6	7 9
10,1	lity's Phone:	ion (including Proper Shipping Name, Hazard			10. C	ontainers	11. Total	12. Unit		Tall I
9a. HM	10 11 0 0			afatairi	No.	Туре	Quantity	Wt./Vol.	13. Waste Code	as .
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	3.			V. 400		4 1713				
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16	1216 passible									STATE
14. 3	Special Handling Instructio	ns and Additional Information	B out of ser	vice date:	11127	7107				
	ERG# 171	SERVICE REQUES	ST# 850	878-	7 1			0,013		
	P12= 2	R-sommy.			1 K	10.3	48631			
15.	GENERATOR'S/OFFER	GR'S CERTIFICATION: I hereby declare that	t the contents of th	nis consignment	are fully and accurate	ly described abo	ove by the proper s	hipping name,	and are classified, pack	kaged,
	Exporter, I certify that the	arded, and are in all respects in proper condit contents of this consignment conform to the nimization statement identified in 40 CFR 262	terms of the attach	ned EPA Acknow	ledgment of Consent			s. If export ship	ment and I am the Prim	nary
7	erator's/Offeror's Printed/T	yped Name MACTEC) F	or NYS	DEC	nature A	19			Month Day	
Tran	International Shipments		, ,	Export from I	- Farmer Comment	of entry/exit: leaving U.S.:		100		
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	Discrepancy Discrepancy Indication Sp	nace []		Table State (П		T1		П	
100.	. Discrepancy maiotion of	Quantity	Туре		Residue		Partial Re	jection	Full Rej	ection
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18b.	Alternate Facility (or Gene	erator)					U.S. EPA (D	Number		
	ate to Discount									
18c.	ility's Phone: Signature of Alternate Fac	ility (or Generator)				1	MAN SANSON	a Vere	Month Da	y Yea
		10 THE POST OF THE PERSON NAMED IN COLUMN 19							1	
18b. Facil 18c.	Hazardous Waste Report N	flanagement Method Codes (i.e., codes for ha	ezardous waste tre	eatment, disposa	I, and recycling syste	ms)				
1.	H132	2.		3.			4.			
20. [ALL VERNER	or Operator: Certification of receipt of hazard	ous materials cove	ered by the mani	fest except as noted i	n Item 18a		100		- 3
_	ted/Typed Name	L IN			nature Q 1		N		Worth Day	Year
	6	114WCADIN	_		all	er	arte		110	0
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ease pri	nt or type. (Form desig	ned for use on elite (12-pitch) typewriter.)		BUILD TO SHEET				Approved. OMB No.	2050-003
	FORM HAZARDOUS ASTE MANIFEST	1, Generator ID Number	2. Page 1 of	3. Emergency Respons (800) 424-1	9300	0		63 <u>337</u>	GBF
	625 BROADWA	OF ENV REMED 11TH FLR	2- 9662	Generator's Site Address	RK STA	TE DEPT E		IS	
	nsporter 1 Company Nam	ne			- 44	U.S. EPA ID N	Number		
7. Tra	nsporter 2 Company Nam	K TRAUSPORT, INC				U.S. EPÀ ID N		3417515	
8. De:	signated Facility Name an	d Site Address	- 27 - 7 - 7		- 49	U.S. EPA ID N	Number		
Facility	1550 BALIN MODEL CI	MICAL SERVICES, L.L.C. MER RD. TY NY 14107 (716) 78	54-8231			NY	D 0 4	98366	7 9
	ly's Phone:	on (including Proper Shipping Name, Hazard Class, ID Numbe	TOWN STREET, STORE	10. Conta	iners	11. Total	12. Unit	The state of the	
9a. HM	and Packing Group (if a		Na.	No.	Туре	Quantity	Wt./Vol.	13. Waste Cod	es
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1	3.								
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1	marked and labeled/placa Exporter, I certify that the certify that the waste min	OR'S CERTIFICATION: I hereby declare that the contents of the right of the contents of the right of the respects in proper condition for transport a contents of this consignment conform to the terms of the attaction statement identified in 40 CFR 262.27(a) (if I am a later	nis consignment coording to appli hed EPA Acknow arge quantity gen	are fully and accurately de cable international and nai dedgment of Consent. herator) or (b) (if I am a sm	tional govern	mental regulations.	ipping name, If export ship	ment and I am the Prin	mary #
-	rator's/Offeror's Printed/Ty ternational Shipments	- (MASTER) E - MINET	ECI	mature 01	- 6	2		idonth Day	
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Trans	porter 2 Printed Typed Na	m. HEnry	Sig	nature	A	euns	and the Street	Month Da	7 1 67 y Year
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	screpancy Discrepancy Indication Spi	ace Quantity Type	1000	Residue	310	Partial Rej	ection	Full Re	ijection
18b. A	Alternate Facility (or General	rator)		Manifest Reference	e Number:	U.S. EPA ID N	lumber		
Encilit	y's Phone:					1			
	signature of Alternate Faci	lity (or Generator)						Month Da	y Year
19. Ha	azardous Waste Report M	anagement Method Codes (i.e., codes for hazardous waste tre	eatment, disposa	al, and recycling systems)					
5 1.	H132	2.	3.			4.			
		or Operator: Certification of receipt of hazardous materials cover			m 18a	17-15-16-16	Ways.		
Printe	d/Typed Name	LEDN CARTUR	Sig	Peller	1	us A.	7	-Worth Day	y Year
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	igned for use on elite (12-pitch) typewriter.)				14.33		Approved. OMB No. 2	050-00
UNIFORM HAZARDOUS WASTE MANIFEST	NYD9870144	38 1 (ergency Response	300	0	Tracking Nun	63338G	BF
625 BROADW	OF ENV REMED 11TH FLR AY 12233-7014 ATTN WM. BENNET		ator's Site Address	RK STAT	E DEPT E	is)	Color of Callysia	
Transporter 1 Company Na Transporter 2 Company Na	K TRANSPORT	INC			U.S. EPA ID N	098	73475	15
		The same						
1650 BAL	EMICAL SERVICES, L.L.C. MER RD. CITY NY 14107	716) 754- 8231			U.S. EPA ID N	D 0 4	98366	7 9
9a. 9b. U.S. DOT Descrip	otion (including Proper Shipping Name, Hazard Class		10. Contain		11. Total	12. Unit	13. Waste Codes	4
1. BO POLY(CHLORINATED BIPHENYLS, SO	LID MIXTURE,9,	No.	Туре	Quantity	Wt./Vol.		
X UN3432,III		NY295949	001	131	32000	K	B007	
2.			7.114		r teit			MB.
3.				0.00				YES.
4.				Chic				
marked and labeled/place Exporter, I certify that the	OR'S CERTIFICATION: I hereby declare that the colored and are in all respects in proper condition for contents of this consignment conform to the terms inimization statement identified in 40 CFR 262.27(a)	ontents of this consignment are fully transport according to applicable in of the attached EPA Acknowledgme	ternational and nation of Consent.	onal governm	by the proper shi ental regulations.		and are classified, packag	
Generator's/Offeror's Printed/1 16. International Shipments Transporter signature (for exp	Typed Name WONGO (MACTEC) For Import to U.S.	Signature Export from U.S.	Port of ent	nulavit	\		Month Day	Yea
Transporter signature (for exp	orts only):	LAPORT ROIT U.S.	Date leavin					dis
17. Transporter Acknowledgme Transporter 1 Printed/Typed N Transporter 2 Printed/Typed N		Signati Ire	Sal	<	2		Month Day	Yéa
Transporter 2 Printed/Typed N	ame	Signature					Month Day	Yea
18. Discrepancy		LANGE BUNDALE &		EL APIE				
18a. Discrepancy Indication S	pace Quantity	Туре	Residue		Partial Reje	ection	Full Reject	tion
18b. Alternate Facility (or General Facility's Phone:	erator)		danifest Reference	Number:	U.S. EPA ID N	umber		
Facility's Phone: 18c. Signature of Alternate Fac	cility (or Generator)		7-19-				Month Day	Ye
THE STORAGE	されて 現有で 一世	KE MANAGE	1 19 3	411				
18c. Signature of Alternate Fai 19. Hazardous Waste Report I	Management Method Codes (i.e., codes for hazardon 2.	us waste treatment, disposal, and re	cycling systems)		4.		the Assessment of	
	or Operator: Certification of receipt of hazardous ma	aterials covered by the manifest exc	ept as noted in Item	18a				
Printed/Typed Name	Go Cara	Signature	9,000	1	Care	Eu.	Month Day	Yea
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1		FURIN HAZARDUUS	nerator ID Number	4438	2. Page 1 of	3. Emergency (800)	y Response		4. Manifest 1	racking Num	33390	BF
	Gene	626 BROADWAY ALBANY NY 12233 erator's Phone:	ess NV REMED 11TH FLR -7014 ATTN WM. BEI			NE 34	56 ON		han mailing addres	s) NV CONS		
	6. Tr	ansporter 1 Company Name	DNSPWIT	INC						9873	47575	
	7. Tri	ansporter 2 Company Name	1 -		Ac.				U.S. EPAID N	umber		
		esignated Facility Name and Site	AL SERVICES, L.L.C. RD.	(716)75	4-8231				U.S. EPA ID N		98366	7 9
	9a. HM	9b. U.S. DOT Description (inc	luding Proper Shipping Name, Haza	rd Class, ID Number			10. Contai	ners Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Code	S
ATOR —	X		RINATED BIPHENYLS	, SOLID MIX	TURE,9,	19	001	DT	330009	ĸ	B007	
- GENERATOR		2.										
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	14. 3	Special Handling Instructions and	SERVICE REQUE	ST # 85	vice date;	1-5	271	07		1		
		marked and labeled/placarded, a Exporter, I certify that the content I certify that the waste minimization erator's/Offeror's Printed/Typed National Content of the Printed	ERTIFICATION: I hereby declare the notate in all respects in proper conducts of this consignment conform to the on statement identified in 40 CFR 2 arms	lition for transport ac e terms of the attach 52.27(a) (if I am a lar	cording to applic ed EPA Acknow rge quantity gen Sig	cable internation eledgment of Co erator) or (b) (if mature	nal and nat onsent.	ional governi	mental regulations.	pping name, a If export shipm	nd are classified, pack tent and I am the Prim Month Day	ary Year
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FACILITY	18b.	Alternate Facility (or Generator)			72				U.S. EPA ID N	umber		
ATED FA		lity's Phone: Signature of Alternate Facility (or	Generator)					es Mag			Month Day	/ Year
DESIGNATED	19. H	Hazardous Waste Report Manager	ment Method Codes (i.e., codes for 2.	hazardous waste tre	atment, disposa	I, and recycling	systems)		4.		1	100
1		Designated Facility Owner or Open	rator: Certification of receipt of hazar	dous materials cove			noted in Iter	n 18a		W.W.S.		
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ase pr	int or type. (Form desig	ned for use on elite (12-pitch) typ	ewriter.)	2.00		AND THE	A MARKET SES IS	The second second second	pproved. OMB No	. 2050-003
	FORM HAZARDOUS ASTE MANIFEST	1. Generator ID Number	14438	1	3. Emergency Respon	9300			3340	GBF
	625 BROADWA	IF ENV REMED 11TH F			3456 OI	ess (if different	ATE DEPT I	ess) ENV CONS		
	ansporter 1 Company Nam	K TRINSDO	CT IX	ic			DA D	Number	34751	5
	ansporter 2 Company Nam						U.S. EPA ID	Number		
8. De	esignated Facility Name an	MICAL SERVICES, L.L.	C				U.S, EPA ID	Number	9 8 3 6 6	7 9
Facili		TY NY 14107	(716)75	4-8231				P SALA		
9a. HM	9b. U.S. DOT Description and Packing Group (if a	on (including Proper Shipping Name, F any))	Hazard Class, ID Number	34.7	10. Con No.	tainers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Cod	es
X	RQ, POLYCI UN3432,III	HLORINATED BIPHENY	LS, SOLID MIX		001	DT	EST	K	P007	
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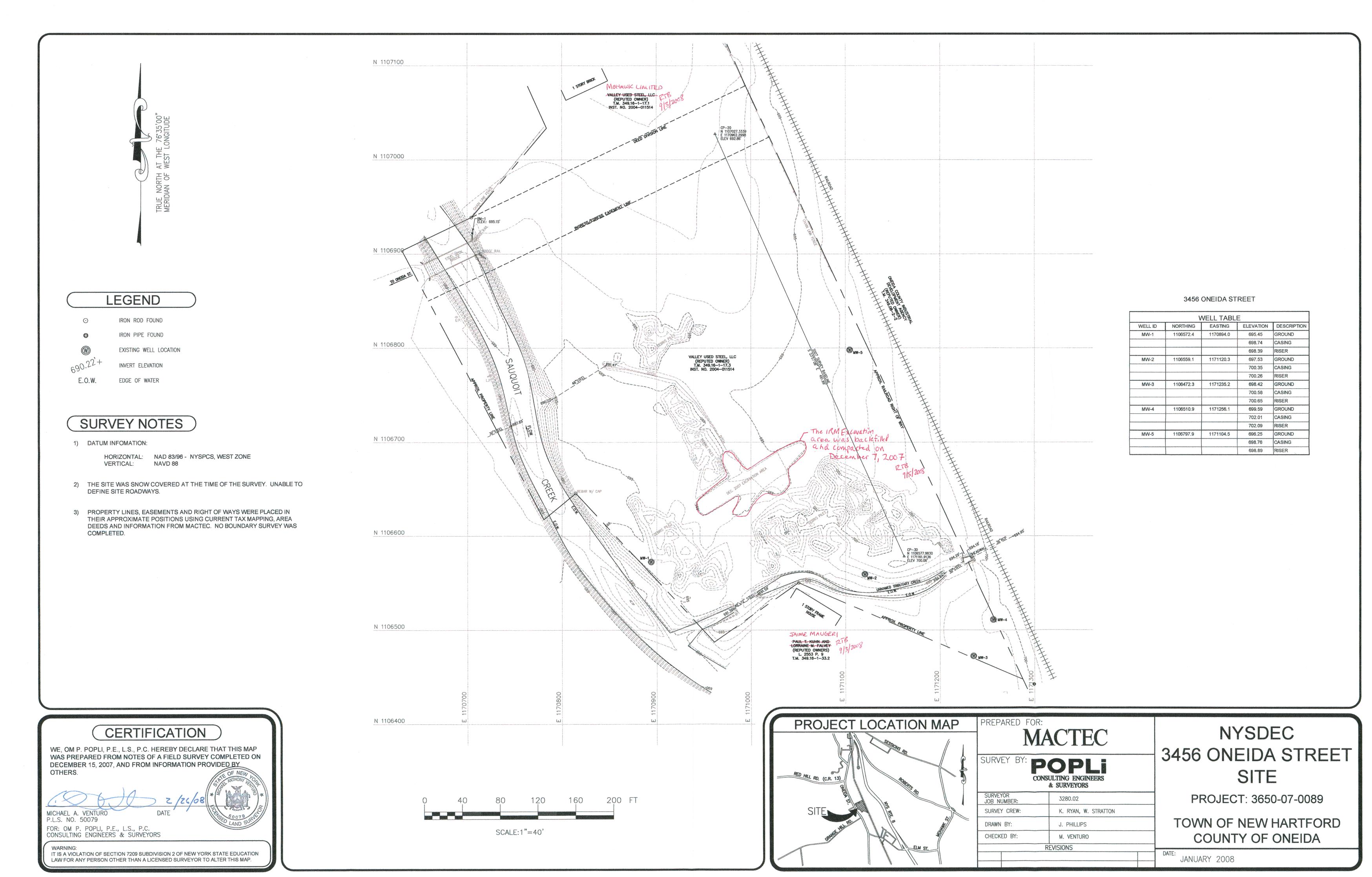
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	7. Tra	ansporter 2 Company Nan	ne			The R			U.S. EPA ID N	lumber			
		1550 BALI	EMICAL SERVICES, L	L.C. (716)754	4-8231				U.S. EPAID N	lumber D 0 4	9 8 3	6 6	7 9
	9a. HM		ion (including Proper Shipping Nar any))				10. Contain	ners Type	11. Total Quantity	12. Unit Wt./Vol.	13. W	aste Codes	
ATOR -	х	RQ, POLYC UN3432,III	HLORINATED BIPHE		TURE,9,	19	001	R147	30,000	К		8007	y i
- GENERATOR		2.	7	* - ** - ***		** II A71		13-+7-4×	151	**	- (8.		Securi
		3.											
		4.											
	14. S	pecial Handling Instruction	ns and Additional Information	1		17	,	70					
		ERG# 171	SERVICE R	PCB out of service PCB out of se	260	-3	Ber	01	2866	7K			
	0	marked and labeled/placa Exporter, I certify that the	OR'S CERTIFICATION: I hereby or rded, and are in all respects in pro- contents of this consignment confi minization statement identified in 4	oper condition for transport according to the terms of the attache	ording to applic d EPA Acknowle	able internation	nal and nati onsent.	onal governm	nental regulations.				
	Gener	rator's/Offeror's Printed/Ty		11 110		nature	Port of en	M			Month		Year
ER INT		sporter signature (for exporansporter Acknowledgmen	irts only):	1			Date leavi				12.0		
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		Discrepancy Indication Spa	ace Quantity	Туре			esidue t Reference	Number	Partial Reje	ection		Full Rejec	ction
ACILITY		Alternate Facility (or Gener	rator)			ividrities	t Releience	Number.	U.S. EPA ID N	umber			
DESIGNATED FACILITY		y's Phone: Signature of Alternate Facil	lity (or Generator)			al s					Mont	h Day	Year
SIG	19. Ha	azardous Waste Report M	anagement Method Codes (i.e., co	odes for hazardous waste treat	tment, disposal,	and recycling	systems)	Table					
- DE	1.	H132	2.	L'IMITE L	3.				4.				
			or Operator: Certification of receipt	of hazardous materials covere	-		noted in Item	18a			300		3 24
↓		d/Typed Name	Usu Csi	in	Sign	aligne	ex.	Car	tu		Mont	Day	Ye.ar
EPA	Form	8700-22 (Rev. 3-05) F	Previous editions are obsolete					1		12	75		

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)	inge	Phone	4. Manifes	Tracking Nur	Approved. OMB No. 2050-00
↑ UNIFORM HAZARDOUS WASTE MANIFEST 1. Generator ID Number	124/-	9300		1003	63348GBF
5. Generator's Name and Mailing Address Generator Some of Renerator Some of Renerat	or's Site Address	if different th	an mailing addre	ess)	
625 Broadway Allemany 19	ASDE		FRAI		4 1 14
Generator's Phone: 6. Transporter 1 Company Name	156 0	NE-	U.S. EPAID	Number	Eradwick N
US BULK TRANS DORT INC			IA	0981	347515
7. Transporter 2 Company Name		1925	U.S. EPA ID	Number	
8. Designated Facility Name and Site Address			U.S. EPA ID	Number	
CWM Chemical Sucs			NYT	00490	36679
Facility's Phone: Model (14, NY 1410)			100	01/8	206/9
9a. 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Contain No.	ers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
1 RQ PCB Solid Miv,9,0h3432,HI	601	DT	HOW	K	B007
2.		** 1 2 22	7		
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CONTRACTOR SANDERS SEE SEE SEE SEE SEE SEE SEE SEE SEE					
14. Special Handling Instructions and Additional Information	ice	12/6	1070		+6-5-4
NY natara Service O - 15- 8	577	(0)	- (14	D WAS	2.00 - 3/2/7
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully a					
marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable inter Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or	of Consent	1		. If export shipr	nent and I am the Primary
Generator's/Offeror's Printed/Typed Name Signature	(5) (111.301.0 51121	remainity gen	lerator) is true.		Month Day Year
↓ 16. International Shipments	9				12000
Transporter signature (for exports only): Import to U.S. Export from U.S.	Port of entr			2 /	
17. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name Signature	1 /	1	1/1/	1/	Month Day Year
a Mark Hattisky	and	F	ull	40	-12060
Transporter 2 Printed/Typed Name Signature Signature		1			Month Day Year
18. Discrepancy					
18a. Discrepancy Indication Space Quantity Type	Residue		Partial Rej	ection	Full Rejection
	inifest Reference	Number:	II O EDAID		
18b. Alternate Facility (or Generator) Facility's Phone:			U.S. EPA ID N	vumoer	
Facility's Phone: 18c. Signature of Alternate Facility (or Generator)	100			lle, D	Month Day Yes
18c. Signature of Alternate Facility (or Generator) 19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recy 1. 2. 3.					Month Day Yea
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recy	voling systems)		112		at at a
H132			4.		
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest excep Printed/Typed Name Signature	t as noted in Item	18a	1	S a Very	Martin San V
Printed/Typed Name EILEW CARTON Signature	elle	11	art	er	Month Day Year
PA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.					1

APPENDIX C

FINAL SURVEY



APPENDIX D

PHOTOGRAPHS

APPENDIX D



11/26/07 Two-foot excavation looking northeast 11/26/07 Collection of Sidewall confirmation sample SG-009



11/26/07 Loading PCB-impacted soil looking southwest



11/26/07 Water infiltration into the IRM excavation near the head of the Unnamed Ditch.



the IRM excavation near the head of the Unnamed Ditch.



11/26/07 Logs and C&D debris excavated from 11/26/07 Southwest portion of the two-foot IRM excavation



11/26/07 Water infiltration in the IRM excavation at the head of the Unnamed Ditch



11/27/07 View of central and southern portion of the two-foot IRM excavation



11/27/07 View of central portion of the two-foot 11/27/07 Decontamination pad with pump for IRM excavation looking southeast



decontamination of excavator tracks



11/27/07 View of decontaminated excavator track



11/28/07 View of test pit at sample location SG-002 in the central portion of the IRM excavation



11/29/07 View of stockpiled PCB-impacted soil 12/6/07 View of completed IRM excavation loading area looking southwest



with snow fencing in place



12/6/07 View of logs encountered



12/6/07 View of sheen encountered



12/6/07 View of backfilling activities in the northeast portion of the IRM excavation



12/6/07 View of stone backfill in central portion of the three-foot IRM excavation area



12/6/07 View of stone backfill in central portion 12/6/07 View of backfill activities looking of the three-foot IRM excavation area



southwest



12/10/07 View of backfilled IRM excavation looking west



12/10/07 View of backfilled IRM excavation looking southwest



12/10/07 View of backfilled IRM excavation looking east



12/10/07 View of backfilled IRM excavation looking northeast



12/10/07 View of backfilled IRM excavation looking north



12/10/07 view of backfilled IRM excavation looking northwest





1/10/08 View of settlement within backfilled IRM excavation





8/13/08 View of settlement areas filled with debris within backfilled IRM excavation





9/21/2008 View of Final Restoration of IRM excavation area