Aqua Survey, Inc.

Technical Report on the Sampling and Testing of Sediment from Arthur Kill Contract Area 2/3
for
Upland Beneficial Use in New Jersey and/or New York

Prepared for

Army Corps of Engineers, New York District
26 Federal Plaza
New York, NY 10278

December 10, 2003

ASI JOB No. 23-151

469 Point Breeze Road
Flemington, NJ 08822

Phone: 908/788-8700
Fax: 908/788-9165
mail@aquasurvey.com
aquasurvey.com

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for
Upland Beneficial Use in New Jersey and/or New York

Army Corps of Engineers, New York District
26 Federal Plaza
New York, NY 10278

STUDY INITIATION DATE

August 14, 2003

PERFORMING LABORATORY

Aqua Survey, Inc.
469 Point Breeze Road
Flemington, New Jersey 08822

SPONSOR

Army Corps of Engineers, New York District
26 Federal Plaza
New York, NY 10278

LABORATORY PROJECT ID

ASI STUDY # 23-151

Signature Page

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26 Federal Plaza
New York, NY 10278

This report, as well as all records and raw data were audited and found to be an accurate reflection of the study. Copies of raw data will be maintained by Aqua Survey, Inc, 469 Point Breeze Road, Flemington, New Jersey, 08822.

Robert M. Fristrom — 12/10/03
Robert M. Fristrom
Quality Assurance Officer
Date

Tom Dolce/JDoi — 12/10/03
Thomas J. Dolce
Laboratory Manager
Date

Jon Doi — 12-10-03
Jon Doi, Ph.D.
Executive Vice President
Date

I. Work Plan

Mr. Monte Greges
Chief, Dredged Material Management Section
Department of the Army
New York District, Corps of Engineers
Jacob K. Javits Federal Building
New York, NY 10278-0090

July 25, 2003

RE: Dredged Material Sampling Plan
Origin: Arthur Kill Contract Area 2/3
Disposal: Upland Beneficial Use in New Jersey and/or New York

Dear Mr. Greges:

This letter is forwarded in reply to your June 9, 2003 request for a sediment sampling and testing plan for Arthur Kill Contract Area 2/3 deepening project.

Contract Area 2/3 involves dredging approximately 690,000 cubic yards of dredged material to a depth of –41 feet below MLW plus 2 feet for safety clearance, plus 1½ feet allowable overdepth (project depth -44 ½ feet). This sampling and testing plan only addresses the dredged material that is expected to be placed upland in New York or New Jersey. The suitability of the underlying material for use as remediation material at the HARS is a determination made by the U.S. Environmental Protection Agency and the U.S. Army Corps of Engineers. Therefore, sampling and testing of the underlying material must be coordinated with those agencies.

Sampling

The attached sampling plan identifies 66 sampling locations for the dredged material from the Contract that is anticipated to be placed upland. Based on the geographic reach of the project and the depth of the sediment to be dredged, the number and distribution of samples, as reflected on the attached sheets, will adequately characterize the sediments to be dredged for upland placement in both New Jersey and New York.

It is our understanding that the authorized project construction depth for this project is –44 ½ feet, and that the depth of Holocene sediments varies within the project area. As a result, this sampling plan has been developed with the assumption that each core sample shall be taken to the depth of the Holocene sediments within the project area versus to project depth as is routinely required in most sampling plans. **Therefore, it is critical that each sample core reach the depth of the Holocene sediments that is anticipated to be placed upland.** Each core shall be described and inspected for obvious stratification. Each core shall be analyzed for grain size, Total Organic Carbon and percent moisture. The Office of Dredging and Sediment Technology shall be notified of any cores that exhibit grain size stratification at different elevations or of different apparent grain size prior to homogenizing (609) 292-1250), other than as anticipated by this plan. If such stratification exists, it may be necessary for the Departments to modify the compositing scheme outlined below.

Field logs shall be kept of each core. It should be noted that any additional information concerning the physical character of the material gathered during sampling, such as the existence of large rocks, may be useful in future bid solicitation documents. These logs must be submitted to the Departments together with the analytical data. If stratified layers are evident, the stratified layers shall be separated and each separate layer shall be homogenized. After homogenization as outlined above, each sample core or individual strata shall be tested for grain size, percent moisture and total organic carbon.

Analytical Testing

Analytical testing may be performed on composites of the core samples only if the grain size among the identified sample cores is uniform. If stratification appears uniform and occurs at roughly the same elevation throughout the cores, the stratified layers may be composited in accordance with the compositing scheme outlined below without further guidance from these Offices. Composites must be made up of equal amounts of the homogenized core sample strata as follows:

Composite A =sample cores 1, 2 and 3
Composite B =sample cores 4, 5 and 6
Composite C =sample cores 7, 8 and 9
Composite D =sample cores 10, 11 and 12
Composite E =sample cores 13, 14 and 15
Composite F =sample cores 16, 17 and 18
Composite G =sample cores 19, 20 and 21
Composite H =sample cores 22, 23 and 24
Composite I =sample cores 25, 26 and 27
Composite J =sample cores 28, 29 and 30
Composite K=sample cores 31, 32 and 33
Composite L=sample cores 34, 35 and 36
Composite M=sample cores 37, 38 and 39
Composite N=sample cores 40, 41 and 42
Composite O=sample cores 43, 44 and 45
Composite P=sample cores 46, 47 and 48
Composite Q=sample cores 49, 50 and 51
Composite R=sample cores 52, 53 and 54
Composite S=sample cores 55, 56 and 57
Composite T=sample cores 58, 59 and 60
Composite U=sample cores 61, 62 and 63
Composite V=sample cores 64, 65 and 66

Each composite shall be analyzed for grain size, percent moisture and total organic carbon. In addition, each composite shall be tested for bulk sediment chemistry. The specific analytes which must be tested for include VOCs, semi-volatile organics, PCBs and aroclors, pesticides, metals, and Dioxin and Furans and their congeners. The specific analytes required by both NY and NJ are found in appendix B Attachment 1 of the technical manual titled *"The Management and Regulation of Dredging Activities and Dredged Material in New Jersey's Tidal Waters* (NJ DEP, October 1997).

Inasmuch as the NYS DEC July 22, 2003 letter states that NYS DEC will use totals analysis data (bulk sediment chemistry) in characterizing the dredged sediments when proposed for beneficial reuse such as grading fill beneath a cap at brownfield, landfill or remediation site, NJDEP and NYS DEC have attached a single protocol for the additional testing required for upland placement in New Jersey and New York. The analytical package submitted must include a description of the recipe (i.e. types of additives and proportion) used in the preparation of the analytical composites. Please note that the attached table 'Maximum Concentration of Contaminants for the Toxicity Characteristic' is used to determine the nature of the material (hazardous or nonhazardous) for the purposes of upland placement in New York. If any sample's total analysis data establish that analyte concentrations could exceed the levels contained in the table, NYS DEC reserves the right to require subsequent TCLP analysis on that sample.

NO.215 P003 US ARMY CORPS OF ENGINEERS NY → 919087889165

Please note laboratories used to perform the testing required herein must be certified by the State of New Jersey and the State of New York for the particular analytical method to be performed. Also, both states recommend verifying the volumes required for the needed tests with the laboratories prior to sampling. Any data package submitted to either NJ DEP or NYS DEC shall comply with the QA/QC requirements outlined in Appendix B of the Dredging Manual. It is requested that data package be provided on a compact disk. In addition, it is requested that a data summary table of the results in an Excel spreadsheet be provided with the data package.

If you have any questions regarding the sediment sampling plan, please feel free to contact me at (609) 292-8838 or Kathryn D. McGuckin of the NYS DEC at (718) 482-4078.

Sincerely,

Suzanne U. Dietrick, Chief
Office of Dredging and Sediment Technology

Kathryn D. McGuckin
Environmental Analyst II
Division of Environmental Permits
NYS Department of Environmental Permits

C: Scott Douglas, Office of Maritime Resources
Leigh Vogel, NYS DEC Bureau of Marine Resources
Thomas Wakeman, PA NY/NJ

II. Introduction

The objective of this project was to collect and analyze sediment, from the Arthur Kill, Contract Area 2/3 for Upland Beneficial Use in New Jersey and/or New York. This work was conducted in accordance with appendix B, Attachment 1 of the technical manual entitled "The Management and Regulation of Dredging Activities and Dredged Material in New Jersey 's Tidal Waters" (Dredging Manual), October 1997. Along with a letter dated July 25, 2003 from the NJ Office of Dredging and Sediment Technology and NYS Department of Environmental Permits.

ASI performed all sampling and physical analyses (grain size distribution, percent moisture & TOC).

III. Test Administration

A. Sponsor

Army Corps of Engineers, New York District
26 Federal Plaza
New York, NY 10278

B. Testing Facilities

Aqua Survey, Inc.
469 Point Breeze Road
Flemington, New Jersey 08822

Battelle
Coastal Resources & Management & Safety (CREMS)
397 Washington Street
Duxbury, Massachusetts 02332-4505

Severn Trent Laboratories
450 William Pitt Way
Pittsburgh, PA 15238

C. Dates of Experimentation

Date of Study Initiation:	August 14, 2003
Date of Study Completion:	December 10, 2003

D. Study Participants

Michael Beaston	Marine Operations Technician
Steven Brodman	Operations Specialist
Jon Doi, Ph.D.	Executive Vice-President
Thomas J. Dolce	Laboratory Manager
G. Stephen Hornberger	Project Manager
Catherine Kosmas	Laboratory Technician
James Nickels	Vice President Marine Operations
Mark Padover	Senior Operations Specialist
Michelle Thomas	Senior Scientist

IV. Material and Methods

All sampling and testing were performed in accordance with appendix B, Attachment 1 of the technical manual entitled "The Management and Regulation of Dredging Activities and Dredged Material in New Jersey 's Tidal Waters (NJ DEP, October 1997)." Along with and a letter dated July 25, 2003.

A. Sampling

Test sediment from sixty-six locations and four field-blanks, were collected from the Arthur Kill, Contract Area 2/3A, New Jersey, by Aqua Survey personnel on August 14 through September 10, 2003. Site maps are shown on pages 8- (Figures 1 and 2).

Insufficient sediment for analysis was obtained from locations 52 through 54, (composite R) and 61 through 63 (composite U) and therefore were not included in any of the analysis.

The vessel used for sampling was positioned using a Trimble NT200D Differential Global Positioning System (DGPS) and collected using a Rossfelder P-3 vibracore with flexible plastic core liners. The project depth was –44.5 feet and the depth of the Holocene sediment varied within the project area. All samples were then taken at the depth of the Holocene sediment rather than project depth as is usually required. Every core sample taken was inspected and its characteristics were recorded on a Sediment Core Log Sheet.

All core samples were assigned unique ASI sample numbers. Samples were received in good condition at ASI in Flemington, NJ on the same day as collected and stored in the dark at 2-4° C.

Sampling core coordinates are listed in Table 1. All supporting documentation, including chains-of-custody, sediment core logs, photographs and sample use forms can be found in the Appendix.

B. Homogenizing and Compositing

Each of the sixty core samples (core location 52 –54 and 61-63 were omitted) were carefully homogenized using a stainless steel mixer. This procedure followed the specific guidelines found in pages 9-11 and Appendix A of the Dredging Manual and according to SOP/GEN/401. Samples were mixed until uniform in color and texture. Twenty composites were created from the sixty core locations, see Table 2.

Since it is proposed that some of the dredged material will be treated with stabilizing materials which will alter its chemical and physical composition, an aliquot of each composite sample was treated in a manner to simulate this stabilization process. A standard commercial brand of Portland cement was used in creating the amended composite samples. An aliquot of each composite sample, A-V, (R and U were omitted) was blended with Portland cement (8% by weight) for two minutes using the power drill and mixing paddle.

Sub samples of each of the composites both amended, and unamended samples, and the individual cores were reserved for the appropriate chemical and physical analyses.

The composite samples were logged in and assigned unique sample numbers.

C. Grain Size Distribution, Percent Moisture and TOC

Sub-samples of each homogenized core, and the composites (unamended) were analyzed by ASI for grain size distribution and percent moisture in accordance with the Standard Guide for Selection of Methods of Grain size Analysis of Fluvial Sediments (Manual Methods)[1]. Designation: D4822 (Re-approved 1994).

Total Organic Carbon (TOC) was also determined at ASI based on the guidance from EPA Office of Solids Waste and Emergency Response SW-846 Method No. 9060 (Volume IC, Chapter 5, Revision 0, 9/86). The instrument for this analysis is the Dohrmann TOC Boat Sampler, Model 183 (Serial number 98202003) connected to the Dohrmann DC-80 TOC Analyzer.

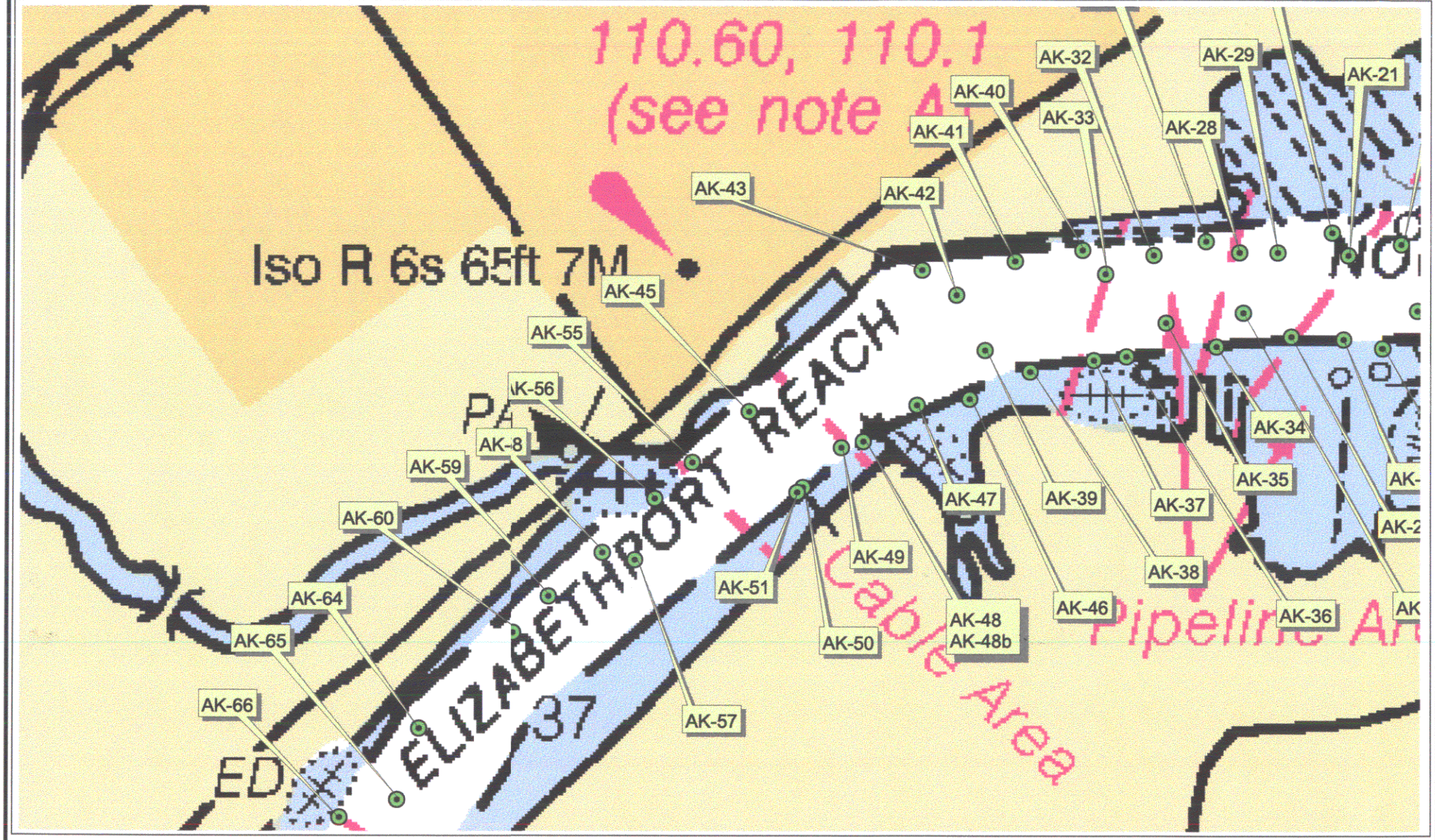
D. Chemical Analyses

The amended and unamended composites were prepared at Aqua Survey and a sub sample of each and the field-blanks were delivered to Battelle Duxbury Operations by overnight courier. The samples were shipped in glass jars in coolers with blue/wet ice packs, following chain-of-custody procedures. Battelle was responsible for the chemical analyses, except for the multiple extraction procedure, which was performed by Seven Trent Laboratories, who also

performed the chemical analyses. Each of the composite samples was analyzed for all of the parameters listed in Appendix B of the NJDEP guidance manual.

V. Physical Analysis Results

The grain size distribution, percent moisture content and TOC for each core and the composite samples are shown in Tables 3 and 4.



LEGEND:

Deployment Locatio

N
W E
S

400 0 400 800

Scale in Feet

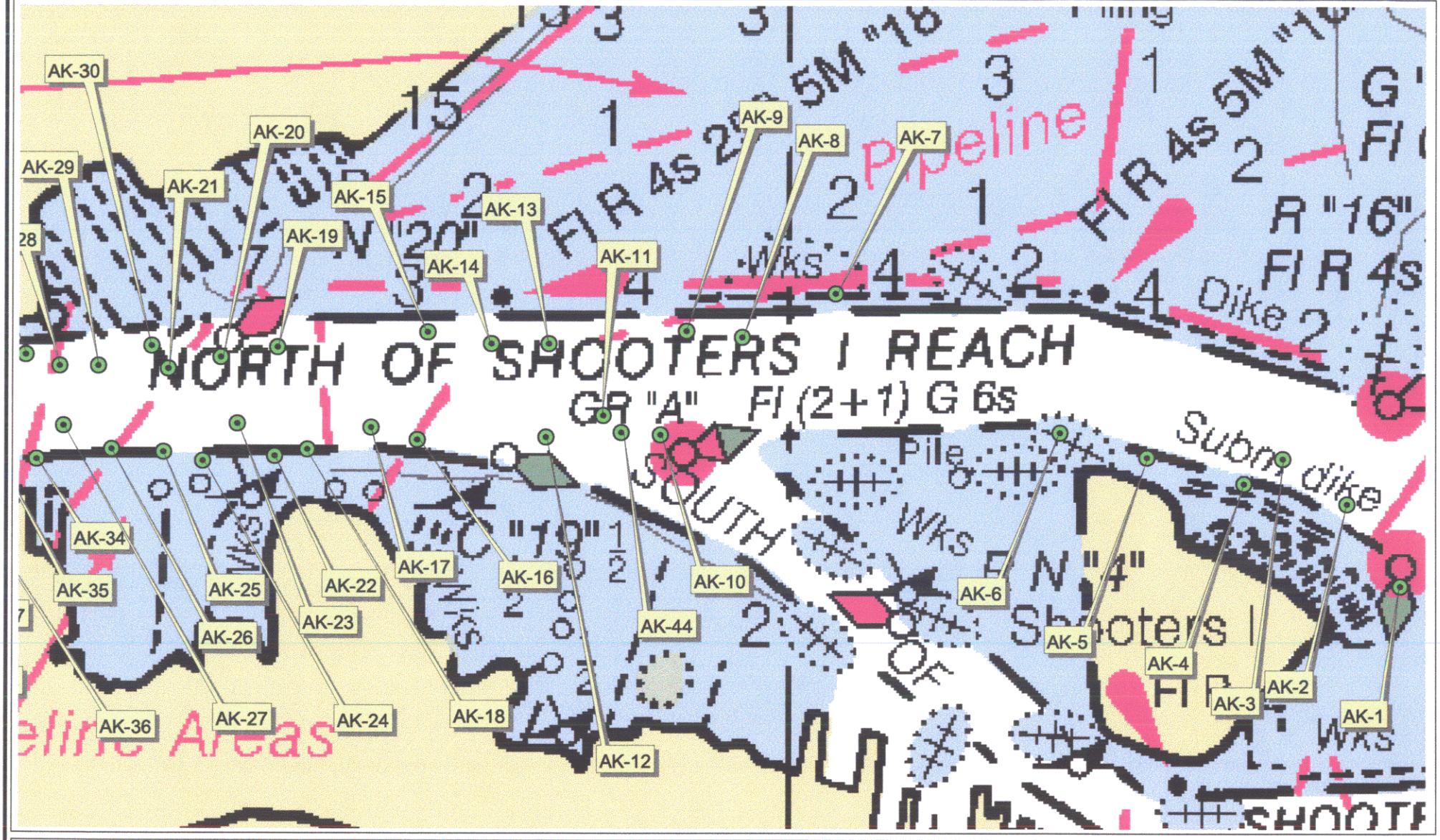
ACOE
Arthur Kill Contract Area 2/3

FIGURE 1-1

SAMPLE LOCATIONS

23151.pdf

NOAA Chart 12327_1



LEGEND:

Deployment Location

N
W E
S

400 0 400 800

Scale in Feet

23151-1.pdf

NOAA Chart 12327_1

ACOE
Arthur Kill Contract Area 2/3

FIGURE 1-2

SAMPLE LOCATIONS

Table 1

DGPS Coordinates		
Location	**Latitude**	**Longitude**
AK-1	40 38.635	74 09.364
AK-2	40 38.701	74 09.420
AK-3	40 38.737	74 09.487
AK-4	40 38.717	74 09.527
AK-5	40 38.738	74 09.628
AK-6	40 38.758	74 09.719
AK-7	40 38.869	74 09.953
AK-8	40 38.834	74 10.051
AK-9	40 38.839	74 10.109
AK-10	40 38.756	74 10.136
AK-11	40 38.971	74 10.196
AK-12	40 38.754	74 10.256
AK-13	40 38.829	74 10.253
AK-14	40 38.829	74 10.313
AK-15	40 38.838	74 10.379
AK-16	40 38.752	74 10.390
AK-17	40 38.762	74 10.438
AK-18	40 38.744	74 10.505
AK-19	40 38.826	74 10.536
AK-20	40 38.818	74 10.595
AK-21	40 38.809	74 10.650
AK-22	40 38.739	74 10.539
AK-23	40 38.765	74 10.578
AK-24	40 38.735	74 10.614
AK-25	40 38.742	74 10.655
AK-26	40 38.744	74 10.709
AK-27	40 38.763	74 10.759
AK-28	40 38.811	74 10.763
AK-29	40 38.811	74 10.723
AK-30	40 38.827	74 10.667
AK-31	40 38.820	74 10.798
AK-32	40 38.809	74 10.853
AK-33	40 38.794	74 10.903
AK-34	40 38.736	74 10.787
AK-35	40 38.755	74 10.840
AK-36	40 38.728	74 10.881
AK-37	40 38.725	74 10.915
AK-38	40 38.716	74 10.981

Table 1 continued

DGPS Coordinates		
Location	**Latitude**	**Longitude**
AK-39	40 38.733	74 11.028
AK-40	40 38.813	74 10.927
AK-41	40 38.804	74 10.997
AK-42	40 38.777	74 11.058
AK-43	40 38.797	74 11.094
AK-44	40 38.758	74 10.177
AK-45	40 38.684	74 11.274
AK-46	40 38.694	74 11.044
AK-47	40 38.689	74 11.099
AK-48	40 38.660	74 11.155
AK-48b	40 38.655	74 11.176
AK-49	40 38.655	74 11.178
AK-50	40 38.623	74 11.218
AK-51	40 38.619	74 11.224
AK-55	40 38.643	74 11.333
AK-56	40 38.614	74 11.372
AK-57	40 38.565	74 11.393
AK-58	40 38.571	74 11.427
AK-59	40 38.536	74 11.483
AK-60	40 38.507	74 11.520
AK-64	40 38.430	74 11.627
AK-65	40 38.373	74 11.650
AK-66	40 38.359	74 11.710

Table 2 Sample Identification and Compositing Scheme

Location	ASI ID #	Composite ID #	
AK-1	20031142	Composite A 20031152	Amended Composite A 20031155
AK-2	20031141		
AK-3	20031143		
AK-4	20031144	Composite B 20031153	Amended Composite B 20031156
AK-5	20031145		
AK-6	20031146		
AK-7	20031363	Composite C 20031389	Amended Composite C 20031395
AK-8	20031364		
AK-9	20031365		
AK-10	20031147	Composite D 20031154	Amended Composite D 20031157
AK-11	20031148		
AK-12	20031149		
AK-13	20031366	Composite E 20031390	Amended Composite E 20031396
AK-14	20031367		
AK-15	20031368		
AK-16	20031252	Composite F 20031253	Amended Composite F 20031255
AK-17	20031251		
AK-18	20031250		
AK-19	20031174	Composite G 20031235	Amended Composite G 20031237
AK-20	20031175		
AK-21	20031176		
AK-22	20031373	Composite H 20031402	Amended Composite H 20031406
AK-23	20031374		
AK-24	20031375		
AK-25	20031177	Composite I 20031236	Amended Composite I 20031238
AK-26	20031178		
AK-27	20031179		
AK-28	20031353	Composite J 20031391	Amended Composite J 20031397
AK-29	20031354		
AK-30	20031355		
AK-31	20031214	Composite K 20031240	Amended Composite K 20031244
AK-32	20031215		
AK-33	20031216		
AK-34	20031217	Composite L 20031241	Amended Composite L 20031245
AK-35	20031218		
AK-36	20031219		
AK-37	20031356	Composite M 20031392	Amended Composite M 20031398
AK-38	20031357		
AK-39	20031358		

Table 2 continued

Location	ASI ID #		Composite ID #	
AK-40	20031359		Composite N 20031393	Amended Composite N 20031399
AK-41	20031360			
AK-42	20031361			
AK-43	20031380		Composite O 20031403	Amended Composite O 20031407
AK-44	20031381			
AK-45	20031382			
AK-46	20031369		Composite P 20031394	Amended Composite P 20031400
AK-47	20031370			
AK-48	20031371	20031412		
	20031401			
AK-49	20031376		Composite Q 20031404	Amended Composite Q 20031408
AK-50	20031377			
AK-51	20031378			
AK-55	20031247		Composite S 20031254	Amended Composite S 20031256
AK-56	20031248			
AK-57	20031249			
AK-58	20031383		Composite T 20031405	Amended Composite T 20031409
AK-59	20031384			
AK-60	20031385			
AK-64	20031386		Composite V 20031413	Amended Composite V 20031414
AK-65	20031410			
AK-66	20031411			

Table 3 **Percent Moisture, Grain Size Distribution and TOC of the Individual Cores**

Sample ID	ASI #	% Gravel	% Clay	% Silt	% Sand	% Moisture	%TOC of Dry weight
AK-1	20031142	0.18	31.2	57.6	11.0	51.5	4.06
AK-2	20031141	0.04	25.7	53.7	20.6	48.0	2.68
AK-3	20031143	1.34	25.8	49.9	23.0	50.8	3.63
AK-4	20031144	0.07	33.2	62.8	3.93	54.7	3.09
AK-5	20031145	0.07	35.7	64.2	0.00	55.4	2.80
AK-6	20031146	0.16	30.5	65.8	3.52	54.4	2.88
AK-7	20031363	0.25	30.8	49.1	19.8	42.1	1.85
AK-7 Dup.	20031363	0.45	30.8	49.0	19.7		
AK-7 Trip.	20031363	0.35	30.8	49.1	19.8		
AK-8	20031364	0.00	45.4	36.9	17.7	55.6	3.45
AK-9	20031365	0.00	36.1	63.9	0.00	54.7	3.21
AK-10	20031147	0.04	27.8	71.5	0.64	58.8	3.51
AK-11	20031148	0.05	26.0	70.9	3.01	59.9	3.83
AK-12	20031149	0.22	24.3	68.3	7.17	59.4	3.28
AK-13	20031366	0.00	32.9	59.3	7.83	56.6	3.46
AK-14	20031367	0.00	33.0	55.4	11.6	55.7	3.55
AK-15	20031368	0.00	34.7	63.2	2.11	57.5	3.80
AK-16	20031252	1.39	25.6	71.9	1.16	58.8	3.56
AK-17	20031251	4.86	21.0	40.0	34.2	48.6	3.01
AK-18	20031250	0.58	28.3	65.4	5.69	57.3	4.25
AK-18 Dup.	20031250	0.53	28.4	65.4	5.69		
AK-18 Trip.	20031250	0.32	27.2	68.0	4.51		
AK-19	20031174	0.00	31.7	66.5	1.80	58.3	4.94
AK-20	20031175	0.11	25.7	53.9	20.3	56.4	3.94
AK-21	20031176	1.17	33.4	60.1	5.33	55.0	3.16
AK-22	20031373	0.00	35.5	64.5	0.00	57.4	3.97
AK-23	20031374	0.15	29.8	70.0	0.00	57.7	4.38
AK-24	20031375	0.24	31.1	68.7	0.00	58.8	5.32
AK-25	20031177	0.12	32.5	67.4	0.00	58.7	5.13

Table 3 continued

Sample ID	ASI #	% Gravel	% Clay	% Silt	% Sand	% Moisture	%TOC of Dry weight
AK-26	20031178	0.41	35.2	64.4	0.00	58.2	4.01
AK-27	20031179	25.6	15.1	22.7	36.6	42.4	3.44
AK-27 Dup.	20031179	3.76	19.8	29.3	47.2		
AK-27 Trip.	20031179	13.5	18.1	27.1	41.3		
AK-28	20031353	0.13	28.7	58.5	12.7	26.6	1.28
AK-29	20031354	30.8	9.06	12.3	47.8	32.5	3.19
AK-30	20031355	16.5	8.13	13.0	62.4	57.1	4.32
AK-31	20031214	17.8	10.9	21.1	50.2	30.5	2.93
AK-31 Dup.	20031214	14.6	11.3	21.9	52.2		
AK-31 Trip.	20031214	13.7	11.4	22.1	52.7		
AK-32	20031215	10.5	14.5	26.6	48.3	48.5	3.56
AK-33	20031216	8.95	9.13	18.4	63.6	32.0	2.13
AK-34	20031217	0.00	24.3	58.2	17.5	60.9	5.05
AK-35	20031218	3.45	31.7	64.8	0.00	56.1	3.73
AK-36	20031219	2.98	22.4	50.1	24.5	59.8	4.81
AK-37	20031356	0.66	23.2	45.4	30.8	54.0	4.06
AK-38	20031357	36.5	9.16	14.9	39.4	32.2	2.34
AK-39	20031358	12.3	10.0	15.7	62.0	39.2	2.50
AK-40	20031359	11.1	20.3	38.1	30.5	45.8	3.36
AK-41	20031360	20.2	18.3	29.7	31.9	41.4	2.25
AK-42	20031361	16.2	19.0	33.9	30.9	50.5	3.57
AK-43	20031380	4.67	23.8	54.6	16.9	62.4	3.92
AK-44	20031381	11.4	17.9	32.5	38.1	45.3	3.34
AK-45	20031382	8.13	15.7	27.6	48.6	43.0	3.79
AK-46	20031369	0.00	22.0	62.1	15.9	64.7	2.12
AK-47	20031370	0.65	25.9	57.4	16.0	57.1	5.14
AK-48	20031412	11.1	9.81	19.1	59.9	47.1	4.20
AK-49	20031376	12.6	12.2	17.8	57.5	49.9	5.37
AK-50	20031377	3.58	22.7	53.8	20.0	57.9	5.45

Table 3 continued

Sample ID	ASI #	% Gravel	% Clay	% Silt	% Sand	% Moisture	%TOC of Dry weight
AK-51	20031378	34.8	13.3	19.2	32.8	32.8	2.52
AK-51 Dup.	20031378	42.1	11.7	16.6	29.6		
AK-51 Trip.	20031378	35.4	13.1	18.5	33.1		
AK-55	20031247	16.1	9.30	19.0	55.6	32.0	1.61
AK-56	20031248	12.5	12.5	21.4	53.6	38.6	2.57
AK-57	20031249	10.5	7.44	9.52	72.5	28.3	1.75
AK-58	20031383	2.08	17.4	27.8	52.7	52.5	3.90
AK-59	20031384	1.63	15.4	26.9	56.0	45.2	3.29
AK-60	20031385	13.0	12.6	22.8	51.6	47.8	3.64
AK-64	20031386	0.96	21.7	49.2	28.1	59.1	5.64
AK-65	20031410	9.68	13.2	24.6	52.6	37.0	2.50
AK-66	20031411	0.00	19.3	55.3	25.4	63.6	4.82

Table 4 **Percent Moisture, Grain Size Distribution and TOC of the Unamended Composites**

Sample ID	ASI #	% Gravel	% Clay	% Silt	% Sand	% Moisture	%TOC of Dry weight
Composite A	20021152	0.50	25.4	49.9	24.1	49.2	3.29
Composite B	20031153	0.18	30.2	65.6	3.99	54.2	2.73
Composite C	20030389	0.12	35.4	58.0	6.49	50.4	2.73
Composite C Dup.	20030389					50.5	
Composite C Trip.	20030389					50.4	
Composite D	20031154	0.31	27.2	66.1	6.37	58.7	3.49
Composite D Dup.	20031154	0.06	25.4	62.1	12.4		
Composite D Trip.	20031154	0.17	26.9	65.1	7.90		
Composite E	20031390	0.58	34.2	65.2	0.00	56.7	3.71
Composite E Dup.	20031390	0.00	33.9	64.8	1.35		
Composite E Trip.	20031390	0.63	34.5	60.7	4.20		
Composite F	20031253	1.13	26.7	60.8	11.4	56.3	3.94
Composite G	20031235	0.36	30.7	55.2	13.7	55.6	4.15
Composite H	20031402	0.35	32.3	67.3	0.00	58.3	4.26
Composite H Dup.	20031402	0.36	33.3	66.4	0.00	58.0	
Composite H Trip.	20031402	0.00	33.5	66.5	0.00	58.4	
Composite I	20031236	8.90	23.8	48.2	19.1	53.6	4.49
Composite I Dup.	20031236					53.6	
Composite I Trip.	20031236					53.8	

Table 4 continued

Sample ID	ASI #	% Gravel	% Clay	% Silt	% Sand	% Moisture	%TOC of Dry weight
Composite J	20031391	8.52	12.1	22.7	56.7	38.4	2.50
Composite K	20031240	11.0	13.0	21.5	54.5	36.8	2.67
Composite L	20031241	3.09	23.6	56.3	17.1	59.5	4.61
Composite L Dup.	20031241					59.1	
Composite L Trip.	20031241					59.1	
Composite M	20031392	20.0	11.5	21.9	46.6	40.4	4.22
Composite N	20031393	11.0	19.2	35.1	34.7	43.0	3.57
Composite O	20031403	17.0	15.8	34.0	33.2	48.7	3.27
Composite P	20031394	0.16	22.2	38.4	39.3	56.3	5.47
Composite Q	20031404	9.92	17.3	32.0	40.7	46.6	4.33
Composite S	20031254	12.2	8.12	19.2	60.5	33.6	1.96
Composite S Dup.	20031254					31.1	
Composite S Trip.	20031254					29.8	
Composite T	20031405	3.99	14.6	25.8	55.6	50.6	3.98
Composite V	20031413	4.28	16.0	40.2	39.5	53.0	4.08
Composite V Dup.	20031413					53.1	
Composite V Trip.	20031413					53.3	

Table 5 Volatiles	Action Level		Action Level		Unamended Sediment (Units:ppb)		Amended Sediment (Units:ppb)		MEP Extracts Units:													
ASI ID #	Soil		Leachate		20031152		20031155		MEP Day 1		MEP Day 2		MEP Day 3		MEP Day 4		MEP Day 5		MEP Day 6		MEP Day 7	
STL ID #	ug/kg	*	ug/L	*	Comp A	Q	A Comp A	Q	1 Comp A	Q	2 Comp A	Q	3 Comp A	Q	4 Comp A	Q	5 Comp A	Q	6 Comp A	Q	7 Comp A	Q
Chloromethane (Methyl Chloride)	520000	10	30	10	11	ND	8.6	ND														
Bromomethane	79000	10	10	10	11	ND	8.6	ND														
Vinyl chloride	2000	10	5	10	11	ND	8.6	ND														
Chloroethane	NA	10	NA	10	11	ND	8.6	ND														
Methylene chloride (Dichloromethane)	49000	10	3	10	11	ND	8.6	ND														
Acetone	1,000,000	10	700	10	46		140															
Carbon disulfide	NA	10	NA	10	11	ND	36															
1,1-Dichloroethene	8000	10	2	10	11	ND	8.6	ND														
1,1-Dichloroethane	570000	10	50	10	11	ND	8.6	ND														
1,2-Dichloroethene (total)	NA	10	10	10	11	ND	8.6	ND														
Chloroform	19000	10	6	10	11	ND	8.6	ND														
1,2-Dichloroethane	NA	10	NA	10	11	ND	8.6	ND														
2-Butanone (MEK)	1000000	10	300	10	6.5	J	27															
1,1,1-Trichloroethane	210000	10	30	10	11	ND	8.6	ND														
Carbon tetrachloride	2000	10	2	10	11	ND	8.6	ND														
Bromodichloromethane	11000	10	1	10	11	ND	8.6	ND														
1,2-Dichloropropane	10000	10	1	10	11	ND	8.6	ND														
cis-1,3-Dichloropropene	NA	10	NA	10	11	ND	8.6	ND														
Trichloroethene	23000	10	1	10	11	ND	8.6	ND														
Dibromochloromethane	110000	10	10	10	11	ND	8.6	ND														
1,1,2-Trichloroethane	22000	10	3	10	11	ND	8.6	ND														
Benzene	3000	10	1	10	1.9	J	2.8	J														
trans-1,3-dichloropropene	NA	10	NA	10	11	ND	8.6	ND														
Bromoform	86000	10	4	10	11	ND	8.6	ND														
4-Methyl-2-pentanone (MIBK)	1000000	10	400	10	11	ND	8.6	ND														
2-Hexanone	NA	10	NA	10	11	ND	8.6	ND														
Tetrachloroethene	4000	10	1	10	11	ND	8.6	ND														
1,1,2,2-Tetrachloroethane	NA	10	NA	10	11	ND	8.6	ND														
Toluene	1000000	10	1000	10	11	ND	8.6	ND														
Chlorobenzene	37000	10	50	10	11	ND	8.6	ND														
Ethyl benzene	1000000	10	700	10	11	ND	8.6	ND														
Styrene	23000	10	100	10	11	ND	8.6	ND														
Xylenes(Total)	410000	10	1000	10	3.5	J	3.1	J														

Table 5 Semivolatiles	Action Level		Action Level		Unamended Sediment (Units:ppb)		Amended Sediment (Units:ppb)		MEP Extracts Units:ppm													
ASI ID #	Soil		Leachate		20031152		20031155		MEP Day 1		MEP Day 2		MEP Day 3		MEP Day 4		MEP Day 5		MEP Day 6		MEP Day 7	
STL ID #	ug/kg	*	ug/L	*	Comp A	Q	A Comp A	Q	1 Comp A	Q	2 Comp A	Q	3 Comp A	Q	4 Comp A	Q	5 Comp A	Q	6 Comp A	Q	7 Comp A	Q
Phenol	10,000,000	660	4,000	10	1800	ND	1100	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
bis(2-Chloroethyl)ether	660	660	10	10	1800	ND	1100	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2-Chlorophenol	2000	660	5	10	1800	ND	1100	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
1,3-Dichlorobenzene	5100000	660	600	10	1800	ND	1100	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
1,4-Dichlorobenzene	570000	660	75	10	137.21		104.87		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
1,2-Dichlorobenzene	5100000	660	600	10	1800	ND	1100	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2-Methylphenol	2800000	660	NA	10	1800	ND	1100	ND	0.0036	J	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
1-Chloropropane-2,2'-oxybis	2300000	660	300	10	1800	ND	1100	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
4-Methylphenol	2800000	660	NA	10	1800	ND	1100	ND	0.0057	J	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
N-Nitroso-Di-N-Propylamine	660	660	20	10	1800	ND	1100	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Hexachloroethane	6000	660	10	10	1800	ND	1100	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Nitrobenzene	28000	660	10	10	1800	ND	1100	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Isophorone	1100000	660	100	10	1800	ND	1100	ND	0.00077	J	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2-Nitrophenol	NA	660	NA	10	1800	ND	1100	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2,4-Dimethylphenol	1100000	660	100	10	1800	ND	1100	ND	0.0029	J	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
bis(2-Chloroethoxy)methane	NA	660	NA	10	1800	ND	1100	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2,4-Dichlorophenol	170000	660	20	10	1800	ND	1100	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
1,2,4-Trichlorobenzene	68000	660	9	10	1800	ND	1100	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Naphthalene	230000	660	300	10	352.88		270.78		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
4-Chloroaniline	230000	1300	NA	20	190	J	170	J	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Hexachloro-1,3-butadiene	NA	660	NA	10	1800	ND	1100	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
4-Chloro-3-methylphenol	10,000,000	1300	NA	20	1800	ND	1100	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2-Methylnaphthalene	NA	660	NA	10	190	J	1100	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Hexachlorocyclopentadiene	400000	660	50	10	3500	ND	2300	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
2,4,6-Trichlorophenol	62000	660	20	10	1800	ND	1100	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2,4,5-Trichlorophenol	5600000	660	700	10	1800	ND	1100	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2-Chloronaphthalene	NA	660	NA	10	1800	ND	1100	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2-Nitroaniline	NA	3,300	NA	50	8600	ND	5500	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
Dimethylphthalate	10,000,000	660	NA	10	1800	ND	1100	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Acenaphthylene	NA	660	NA	10	123.63		111.27		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2,6-Dinitrotoluene	1000	660	10	10	1800	ND	1100	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
3-Nitroaniline	NA	3300	NA	50	8600	ND	5500	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND

Table 5 Semivolatiles continued	Action Level		Action Level		Unamended Sediment (Units:ppb)		Amended Sediment (Units:ppb)		MEP Extracts Units:ppm													
ASI ID #	Soil		Leachate		20031152		20031155		MEP Day 1		MEP Day 2		MEP Day 3		MEP Day 4		MEP Day 5		MEP Day 6		MEP Day 7	
STL ID #	ug/kg	*	ug/L	*	Comp A	Q	A Comp A	Q	1 Comp A	Q	2 Comp A	Q	3 Comp A	Q	4 Comp A	Q	5 Comp A	Q	6 Comp A	Q	7 Comp A	Q
Acenaphthene	3400000	660	400	10	171.76		144.96		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2,4-Dinitrophenol	110000	3300	40	50	8600	ND	5500	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
4-Nitrophenol	NA	3300	NA	50	8600	ND	5500	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
Dibenzofuran	NA	660	NA	10	1800	ND	1100	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2,4-Dinitrotoluene	1000	660	10	10	1800	ND	1100	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Diethylphthalate	10,000,000	660	5,000	10	1800	ND	1100	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
4-Chlorophenyl-phenylether	NA	660	NA	10	1800	ND	1100	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Fluorene	2300000	660	300	10	312.89		254.79		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
4-Nitroaniline	NA	830	NA	20	4500	ND	2900	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND
4,6-Dinitro-2-methylphenol	NA	3300	NA	50	8600	ND	5500	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
N-Nitrosodiphenylamine	140000	660	20	10	1800	ND	1100	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
4-Bromophenyl-phenylether	NA	660	NA	10	1800	ND	1100	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Hexachlorobenzene	660	660	10	10	1800	ND	1100	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Pentachlorophenol	6000	3300	1	50	8600	ND	5500	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
Phenanthrene	NA	6600	NA	10	1173.55		930.72		0.00076	J	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Anthracene	10000000	6600	2000	10	1316.09	D	1206.75	D	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Carbazole	NA	330	NA	10	200	J	140	J	0.00094	J	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Di-n-butylphthalate	5700000	330	900	10	1800	ND	1100	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Fluoranthene	2300000	660	300	10	2270.88	D	1875.2	D	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Pyrene	1700000	660	200	10	2373.97	D	1971.51	D	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Butylbenzylphthalate	1100000	660	100	10	1800	ND	1100		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
3,3'-Dichlorobenzidine	2000	1300	60	20	7000	ND	4500	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND
Benzo(a)anthracene	900	660	NA	10	1244.57		903.72		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Chrysene	9000	660	NA	10	1271.32		1054.93		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
bis(2-Ethylhexyl)phthalate	49000	660	30	10	8000		3700		0.028		0.007	J	0.0068	J	0.0023	J	0.01		0.0074	J	0.026	
Di-n-octylphthalate	1100000	660	100	10	1800	ND	1100	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Benzo(b)fluoranthene	900	660	NA	10	765.32		724.35		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Benzo(k)fluoranthene	900	660	NA	10	750.97		638.02		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Benzo(a)pyrene	660	660	NA	10	1000.18		800.44		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Indeno(1,2,3-cd)pyrene	900	660	NA	10	549.01		492.17		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Dibenzo(a,h))anthracene	660	660	NA	10	153.88		144.67		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Benzo(ghi)perylene	NA	660	NA	10	554.29		502.03		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND

Table 5 Pesticides/Arochlors	Action Level		Action Level		Unamended Sediment (Units:ppb)		Amended Sediment (Units:ppb)		MEP Extracts Units:ppm													
ASI ID #	Soil		Leachate		20031152		20031155		MEP Day 1		MEP Day 2		MEP Day 3		MEP Day 4		MEP Day 5		MEP Day 6		MEP Day 7	
STL ID #	ug/kg	*	ug/L	*	Comp A	Q	A Comp A	Q	1 Comp A	Q	2 Comp A	Q	3 Comp A	Q	4 Comp A	Q	5 Comp A	Q	6 Comp A	Q	7 Comp A	Q
alpha-BHC	NA	1.9	0.02	0.05	9.1	ND	7.3		0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
beta-BHC	NA	3.3	0.2	0.05	9.1	ND	7.3		0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
delta-BHC	NA	1.7	NA	0.05	9.1	ND	3.3	J PG	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.000021	J PG	0.00005	ND
gamma-BHC (Lindane)	520	2	0.2	0.05	9.1	ND	7.3		0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.000023	J	0.00005	ND
Heptachlor	150	2.1	0.4	0.05	0.21	ND	0.18	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Aldrin	40	2	0.04	0.05	0.19	ND	0.16	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Heptachlor epoxide	NA	2.1	0.2	0.05	0.19	ND	0.16	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Endosulfan I		2.1	0.4	0.05	0.23	ND	0.20	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Dieldrin	42	3.3	0.03	0.10	3.25		3.00		0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
4,4'-DDE	2000	4.2	0.1	0.10	38.72	D	32.80	D	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Endrin	17000	3.6	2	0.10	6.7	J PG	1.6	J PG	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Endosulfan II		3.3	0.4	0.10	0.22	ND	0.19	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
4,4'-DDD	381000	4.2	0.1	0.10	16.90		14.05		0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Endosulfan sulfate	NA	3.6	0.4	0.10	0.26	ND	0.23	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
4,4'-DDT	2000	3.6	0.1	0.10	2.40		2.78		0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Methoxychlor	280000	17	40	0.50	18	ND	14	ND	0.0001	ND	0.0001	ND	0.0001	ND	0.0001	ND	0.0001	ND	0.0001	ND	0.0001	ND
Endrin ketone	NA	3.3	NA	0.10	9.9		2.1	J PG	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Endrin aldehyde	NA	3.3	NA	0.10	9.1	ND	7.3	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
alpha-Chlordane	500	1.7	NA	0.05	4.06		3.48		0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
gamma-Chlordane	NA	1.7	0.5	0.05	7.9	J PG	2.1	J PG	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Toxaphene	100	170	3	5.00	360	ND	290	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND
Arochlor-1016 *		33		1.00	180	ND	140	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Arochlor-1221 *		67		2.00	180	ND	140	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Arochlor-1232 *		33		1.00	180	ND	140	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Arochlor-1242 *		33		1.00	180	ND	140	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Arochlor-1248 *		33		1.00	750		210		0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Arochlor-1254 *		33		1.00	460		130	J	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Arochlor-1260 *		33		1.00	360		110	J	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Total Arochlor(SUM)	490		0.5																			
	340000		NA																			

* Reported as units = ppm

Table 5 Metals	Action Level		Action Level		Unamended Sediment (Units:ppm)		Amended Sediment (Units:ppm)		MEP Extracts Units:ppm													
ASI ID #	Soil		Leachate		20031152		20031155		MEP Day 1		MEP Day 2		MEP Day 3		MEP Day 4		MEP Day 5		MEP Day 6		MEP Day 7	
STL ID #	mg/Kg	*	mg/L	*	Comp A	Q	A Comp A	Q	1 Comp A	Q	2 Comp A	Q	3 Comp A	Q	4 Comp A	Q	5 Comp A	Q	6 Comp A	Q	7 Comp A	Q
Aluminum	NA	40	0.2	200	11500	E	10700	E						J E		J		J				
Antimony	14	12	0.02	60	1.1	ND	0.95	ND	0.01	ND	0.01	ND	0.0036	B	0.0038	B J	0.0042	B	0.01	ND	0.0041	B
Arsenic	20	2	0.008	10					0.0038	B	0.0032	B	0.0024	B	0.0038	B	0.01	ND	0.0034	B	0.0051	B
Barium	700	40	2	200	269	E	201	E	0.22		0.12	B	0.057	B	0.036	B J	0.035	B	0.031	B J	0.021	B J
Beryllium	1	1	0.02	5	0.91		0.72		0.00076	B J	0.00081	B J	0.00062	B J	0.00069	B J	0.004	ND	0.00048	B J	0.00038	B J
Cadmium	1	1	0.004	5					0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND
Calcium	NA	1000	NA	5000	6580	NE	46400	NE	242		142	J	109		83.5		64.2	J	57.8		43	J
Chromium	NA	2	0.1	10	237		231		0.033		0.078		0.084		0.081	J	0.065		0.051		0.033	E
Cobalt	NA	10	NA	50	9.4	E	7.1	E	0.0025	B	0.00083	B	0.05	ND	0.05	ND	0.05	ND	0.00071	B	0.05	ND
Copper	600	5	1	25	369.5		271.2		0.13		0.1		0.067		0.061		0.054		0.051		0.039	
Iron	NA	20	0.3	1000	23400	E	18200	E	0.059	B	0.1	ND	0.1	ND	0.1	ND	0.017	B J	0.1	ND	0.1	ND
Lead	400	0.6	0.01	3	289.0		263		0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.0028	B
Magnesium	NA	1000	NA	5000	6680	E	7000	E	5	ND	5	ND	5	ND	5	ND	0.021	B J	5	ND	0.018	B
Manganese	NA	3	0.05	15	316	E	345	E	0.015	ND	0.015	ND	0.015	ND	0.015	ND	0.00027	B	0.015	ND	0.0032	B
Mercury	14	0.1	0.002	0.2	5.57		4.51		0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND
Nickel	250	8	0.1	40	51.2		53.7		0.054		0.012	B	0.0058	B	0.0037	B	0.0037	B	0.0025	B	0.0026	B
Potassium	NA	1000	NA	5000	2380		2740		40.9		4.8	B	1.2	B	0.66	B	0.55	B	0.5	B	0.27	B
Selenium	63	1	0.05	5	2.4	N	1.5	N	0.0039	B	0.0047	B	0.0049	B	0.003	B	0.0038	B	0.0031	B	0.005	ND
Silver	110	2	NA	10	5.11		4.44		0.005	ND	0.005	ND	0.00071	B J	0.0011	B J	0.005	ND	0.005	ND	0.005	ND
Sodium	NA	1000	50	5,000	7060	E	4870	E			18.7		5.2		4	B	3.9	B	4.6	B	5.1	
Thallium	2	2	0.01	10	0.77	B	0.53	B	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Vanadium	370	10	NA	50	36.8	E	33.2	E	0.0047	B	0.0085	B	0.012	B	0.016	B	0.021	B	0.024	B	0.025	B
Zinc	1500	4	5	20	448		400		0.004	B J	0.0036	B	0.0041	B J	0.0015	B	0.005	B	0.0096	B J	0.031	J
Cyanide, total	1100	0.5	0.2	10	1	B	7.2															
%Solids					49.63		57.11															

Table 5 Dioxins	Action Level		Action Level		Unamended Sediment (Units:ppt)		Amended Sediment (Units:ppt)		MEP Extracts Units:pg/L													
ASI ID #	Soil		Leachate		20031152		20031155		MEP Day 1		MEP Day 2		MEP Day 3		MEP Day 4		MEP Day 5		MEP Day 6		MEP Day 7	
STL ID #	ug/kg		ug/L		Comp A	Q	A Comp A	Q	1 Comp A	Q		Q		Q		Q		Q		Q	7 Comp A	Q
2,3,7,8-TCDD					52.32		57.89		2	ND											2.1	ND
1,2,3,7,8-PeCDD					5.02		4.56		1.3	ND											1.3	ND
1,2,3,4,7,8-HxCDD					3.99		3.06		1.2	ND											1.5	ND
1,2,3,6,7,8-HxCDD					29.40		27.06		1.3	ND											1.6	ND
1,2,3,7,8,9-HxCDD					21.16		18.04		1.2	ND											1.5	ND
1,2,3,4,6,7,8-HpCDD					565.2		569.5		1.2	ND											1.2	ND
OCDD					5955		6522		3.6	B J											2.3	Q B J
2,3,7,8-TCDF					25.97	#	21.33	#	1.9	ND											2.2	ND
1,2,3,7,8-PeCDF					12.79		11.62		0.99	ND											1.1	ND
2,3,4,7,8-PeCDF					17.54		14.63		0.85	ND											0.91	ND
1,2,3,4,7,8-HxCDF					79.24		64.44		0.76	ND											0.85	ND
1,2,3,6,7,8-HxCDF					26.31		20.77		0.8	ND											0.88	ND
2,3,4,6,7,8-HxCDF					14.53		11.86		0.87	ND											0.98	ND
1,2,3,7,8,9-HxCDF					2.11	J	1.29	J	0.98	ND											1.1	ND
1,2,3,4,6,7,8-HpCDF					351.80		285.22		1	ND											1	ND
1,2,3,4,7,8,9-HpCDF					21.65		14.85		1.1	ND											1.2	ND
OCDF					624.56		461.79		2.2	Q J											1.7	J

NA

* = NJDEP Required detection limit

= value from 2nd column confirmation

ND = Not detected

B = Indicates analyte detected in method blank as well as associated field sample

J = Detection limit below the reporting limit or is an estimated value

E = Estimated value

Table 6 Pesticides/Arochlors	Action Level		Action Level		Unamended Sediment (Units: ppb)		Amended Sediment (Units: ppb)		MEP Extracts Units:ppm													
ASI ID #	Soil		Leachate		20031153		20031156		MEP Day 1		MEP Day 2		MEP Day 3		MEP Day 4		MEP Day 5		MEP Day 6		MEP Day 7	
STL ID #	ug/kg	*	ug/L	*	Comp B	Q	A Comp B	Q	1 Comp B	Q	2 Comp B	Q	3 Comp B	Q	4 Comp B	Q	5 Comp B	Q	6 Comp B	Q	7 Comp B	Q
alpha-BHC	NA	1.9	0.02	0.05	9.4	ND	8.1	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
beta-BHC	NA	3.3	0.2	0.05	9.4	ND	8.1	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
delta-BHC	NA	1.7	NA	0.05	9.4	ND	8.1	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
gamma-BHC (Lindane)	520	2	0.2	0.05	9.4	ND	8.1	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.000018	J	0.00005	ND
Heptachlor	150	2.1	0.4	0.05	0.23	ND	0.19	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Aldrin	40	2	0.04	0.05	0.20	ND	0.18	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Heptachlor epoxide	NA	2.1	0.2	0.05	0.20	ND	0.18	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Endosulfan I		2.1	0.4	0.05	0.25	ND	0.21	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Dieldrin	42	3.3	0.03	0.10	2.29		1.69		0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
4,4'-DDE	2000	4.2	0.1	0.10	36.74	D	31.41	D	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Endrin	17000	3.6	2	0.10	2.7	J PG	1.1	J PG	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Endosulfan II		3.3	0.4	0.10	0.24	ND	0.21	ND	0.00005	ND	0.00005	ND	0.000033	JPG	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
4,4'-DDD	3000	4.2	0.1	0.10	27.26	D	20.53	D	0.000017	J PG	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Endosulfan sulfate	NA	3.6	0.4	0.10	0.29	ND	0.25	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
4,4'-DDT	2000	3.6	0.1	0.10	20.24	D	4.48		0.000023	J PG	0.00005	ND	0.000021	J PG	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Methoxychlor	280000	17	40	0.50	18	ND	16	ND	0.0001	ND	0.0001	ND	0.0001	ND	0.0001	ND	0.0001	ND	0.0001	ND	0.0001	ND
Endrin ketone	NA	3.3	NA	0.10	9.4	ND	8.1	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Endrin aldehyde	NA	3.3	NA	0.10	9.4	ND	8.1	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
alpha-Chlordane	500	1.7	NA	0.05	3.71		2.84		0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
gamma-Chlordane	NA	1.7	0.5	0.05	3.4	J	0.93	J	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Toxaphene	100	170	3	5.00	370	ND	320	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND
Arochlor-1016 **		33		1.00	180	ND	160	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Arochlor-1221 **		67		2.00	180	ND	160	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Arochlor-1232 **		33		1.00	180	ND	160	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Arochlor-1242 **		33		1.00	180	ND	160	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Arochlor-1248 **		33		1.00	260		96	J	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Arochlor-1254 **		33		1.00	150	J	60	J	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Arochlor-1260 **		33		1.00	120	J	50	J	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Total Arochlor(SUM)	490		0.5																			

** Reported as units ppm

Table 6 Volatiles	Action Level		Action Level		Unamended Sediment (Units: ppb)		Amended Sediment (Units: ppb)		MEP Extracts Units:													
ASI ID #	Soil		Leachate		20031153		20031156		MEP Day 1		MEP Day 2		MEP Day 3		MEP Day 4		MEP Day 5		MEP Day 6		MEP Day 7	
STL ID #	ug/kg	*	ug/L	*	Comp B	Q	A Comp B	Q	1 Comp B	Q	2 Comp B	Q	3 Comp B	Q	4 Comp B	Q	5 Comp B	Q	6 Comp B	Q	7 Comp B	Q
Chloromethane (Methyl Chloride)	520000	10	30	10	11	ND	9.6	ND														
Bromomethane	79000	10	10	10	11	ND	9.6	ND														
Vinyl chloride	2000	10	5	10	11	ND	9.6	ND														
Chloroethane	NA	10	NA	10	11	ND	9.6	ND														
Methylene chloride (Dichloromethane)	49000	10	3	10	11	ND	9.6	ND														
Acetone	1,000,000	10	700	10	40		230															
Carbon disulfide	NA	10	NA	10	11	ND	41															
1,1-Dichloroethene	8000	10	2	10	11	ND	9.6	ND														
1,1-Dichloroethane	570000	10	50	10	11	ND	9.6	ND														
1,2-Dichloroethene (total)	NA	10	10	10	11	ND	9.6	ND														
Chloroform	19000	10	6	10	11	ND	9.6	ND														
1,2-Dichloroethane	NA	10	NA	10	11	ND	9.6	ND														
2-Butanone (MEK)	1000000	10	300	10	4.8	J	46															
1,1,1-Trichloroethane	210000	10	30	10	11	ND	9.6	ND														
Carbon tetrachloride	2000	10	2	10	11	ND	9.6	ND														
Bromodichloromethane	11000	10	1	10	11	ND	9.6	ND														
1,2-Dichloropropane	10000	10	1	10	11	ND	9.6	ND														
cis-1,3-Dichloropropene	NA	10	NA	10	11	ND	9.6	ND														
Trichloroethene	23000	10	1	10	11	ND	9.6	ND														
Dibromochloromethane	110000	10	10	10	11	ND	9.6	ND														
1,1,2-Trichloroethane	22000	10	3	10	11	ND	9.6	ND														
Benzene	3000	10	1	10	11	ND	9.6	ND														
trans-1,3-dichloropropene	NA	10	NA	10	11	ND	9.6	ND														
Bromoform	86000	10	4	10	11	ND	9.6	ND														
4-Methyl-2-pentanone (MIBK)	1000000	10	400	10	11	ND	9.6	ND														
2-Hexanone	NA	10	NA	10	11	ND	9.6	ND														
Tetrachloroethene	4000	10	1	10	11	ND	9.6	ND														
1,1,2,2-Tetrachloroethane	NA	10	NA	10	11	ND	9.6	ND														
Toluene	1000000	10	1000	10	11	ND	9.6	ND														
Chlorobenzene	37000	10	50	10	11	ND	9.6	ND														
Ethyl benzene	1000000	10	700	10	11	ND	9.6	ND														
Styrene	23000	10	100	10	11	ND	9.6	ND														
Xylenes(Total)	410000	10	1000	10	11	ND	9.6	ND														

Table 6 Semivolatiles	Action Level		Action Level		Unamended Sediment (Units: ppb)		Amended Sediment (Units: ppb)		MEP Extracts Units:ppm													
ASI ID #	Soil		Leachate		20031153		20031156		MEP Day 1		MEP Day 2		MEP Day 3		MEP Day 4		MEP Day 5		MEP Day 6		MEP Day 7	
STL ID #	ug/kg	*	ug/L	*	Comp B	Q	A Comp B	Q	1 Comp B	Q	2 Comp B	Q	3 Comp B	Q	4 Comp B	Q	5 Comp B	Q	6 Comp B	Q	7 Comp B	Q
Phenol	10,000,000	660	4,000	10	1800	ND	630	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
bis(2-Chloroethyl)ether	660	660	10	10	1800	ND	630	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2-Chlorophenol	2000	660	5	10	1800	ND	630	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
1,3-Dichlorobenzene	5100000	660	600	10	1800	ND	630	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
1,4-Dichlorobenzene	570000	660	75	10	81.44		36.89		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
1,2-Dichlorobenzene	5100000	660	600	10	1800	ND	630	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2-Methylphenol	2800000	660	NA	10	1800	ND	630	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
1-Chloropropane-2,2'-oxybis	2300000	660	300	10	1800	ND	630	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
4-Methylphenol	2800000	660	NA	10	1800	ND	630	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
N-Nitroso-Di-N-Propylamine	660	660	20	10	1800	ND	630	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Hexachloroethane	6000	660	10	10	1800	ND	630	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Nitrobenzene	28000	660	10	10	1800	ND	630	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Isophorone	1100000	660	100	10	1800	ND	630	ND	0.0011	J	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2-Nitrophenol	NA	660	NA	10	1800	ND	630	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2,4-Dimethylphenol	1100000	660	100	10	1800	ND	630	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
bis(2-Chloroethoxy)methane	NA	660	NA	10	1800	ND	630	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2,4-Dichlorophenol	170000	660	20	10	1800	ND	630	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
1,2,4-Trichlorobenzene	68000	660	9	10	1800	ND	630	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Naphthalene	230000	660	300	10	187.53		115.23		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
4-Chloroaniline	230000	1300	NA	20	150	J	100	J	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Hexachloro-1,3-butadiene	NA	660	NA	10	1800	ND	630	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
4-Chloro-3-methylphenol	10,000,000	1300	NA	20	1800	ND	630	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2-Methylnaphthalene	NA	660	NA	10	1800	ND	630	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Hexachlorocyclopentadiene	400000	660	50	10	1800	ND	1300	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
2,4,6-Trichlorophenol	62000	660	20	10	1800	ND	630	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2,4,5-Trichlorophenol	5600000	660	700	10	1800	ND	630	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2-Chloronaphthalene	NA	660	NA	10	1800	ND	630	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2-Nitroaniline	NA	3,300	NA	50	1800	ND	3100	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
Dimethylphthalate	10,000,000	660	NA	10	1800	ND	630	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Acenaphthylene	NA	660	NA	10	75.46		63.34		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2,6-Dinitrotoluene	1000	660	10	10	1800	ND	630	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
3-Nitroaniline	NA	3300	NA	50	8800	ND	3100	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND

Table 8 Semivolatiles continued	Action Level		Action Level		Unamended Sediment (Units: ppb)		Amended Sediment (Units: ppb)		MEP Extracts Units:ppm													
ASI ID #	Soil		Leachate		20031153		20031156		MEP Day 1		MEP Day 2		MEP Day 3		MEP Day 4		MEP Day 5		MEP Day 6		MEP Day 7	
STL ID #	ug/kg	*	ug/L	*	Comp B	Q	A Comp B	Q	1 Comp B	Q	2 Comp B	Q	3 Comp B	Q	4 Comp B	Q	5 Comp B	Q	6 Comp B	Q	7 Comp B	Q
Acenaphthene	3400000	660	400	10	57.33		42.69		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2,4-Dinitrophenol	110000	3300	40	50	8800	ND	3100	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
4-Nitrophenol	NA	3300	NA	50	8800	ND	3100	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
Dibenzofuran	NA	660	NA	10	1800	ND	630	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2,4-Dinitrotoluene	1000	660	10	10	1800	ND	630	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Diethylphthalate	10,000,000	660	5,000	10	1800	ND	630	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
4-Chlorophenyl-phenylether	NA	660	NA	10	1800	ND	630	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Fluorene	2300000	660	300	10	88.79		67.3		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
4-Nitroaniline	NA	830	NA	20	4600	ND	1600	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND
4,6-Dinitro-2-methylphenol	NA	3300	NA	50	8800	ND	3100	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
N-Nitrosodiphenylamine	140000	660	20	10	1800	ND	630	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
4-Bromophenyl-phenylether	NA	660	NA	10	1800	ND	630	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Hexachlorobenzene	660	660	10	10	1800	ND	630	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Pentachlorophenol	6000	3300	1	50	8800	ND	3100	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
Phenanthrene	NA	6600	NA	10	425.26		319.43		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Anthracene	10000000	6600	2000	10	435.73		302.63		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Carbazole	NA	330	NA	10	1800	ND	630	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Di-n-butylphthalate	5700000	330	900	10	1800	ND	630	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Fluoranthene	2300000	660	300	10	1277.81		842.22		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Pyrene	1700000	660	200	10	1281.71		908.93		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Butylbenzylphthalate	1100000	660	100	10	1800	ND	630	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
3,3'-Dichlorobenzidine	2000	1300	60	20	7200	ND	2500	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND
Benzo(a)anthracene	900	660	NA	10	591.94		482.37		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Chrysene	9000	660	NA	10	750.38		565.04		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
bis(2-Ethylhexyl)phthalate	49000	660	30	10	4100		1700		0.0093	J			0.011		0.028		0.0042	J	0.026		0.0035	J
Di-n-octylphthalate	1100000	660	100	10	1800	ND	630	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Benzo(b)fluoranthene	900	660	NA	10	586.47		473.07		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Benzo(k)fluoranthene	900	660	NA	10	559.75		440.68		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Benzo(a)pyrene	660	660	NA	10			610.58		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Indeno(1,2,3-cd)pyrene	900	660	NA	10	442.3		379.14		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Dibenzo(a,h))anthracene	660	660	NA	10	118.66		103.7		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Benzo(ghi)perylene	NA	660	NA	10	434.48		382.52		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND

Table 6 Metals	Action Level		Action Level		Unamended Sediment (Units: ppm)		Amended Sediment (Units: ppm)		MEP Extracts Units:ppm													
ASI ID #	Soil		Leachate		20031153		20031156		MEP Day 1		MEP Day 2		MEP Day 3		MEP Day 4		MEP Day 5		MEP Day 6		MEP Day 7	
STL ID #	mg/Kg	*	mg/L	*	Comp B	Q	A Comp B	Q	1 Comp B	Q	2 Comp B	Q	3 Comp B	Q	4 Comp B	Q	5 Comp B	Q	6 Comp B	Q	7 Comp B	Q
Aluminum	NA	40	0.2	200	12600	E	9870	E						J		J		J				
Antimony	14	12	0.02	60	1.1	ND	0.96	ND	0.01	ND	0.01	ND	0.01	ND	0.004	B J	0.01	ND	0.0034	B	0.0042	B
Arsenic	20	2	0.008	10	19.3		12.9		0.0026	B	0.01	ND	0.0024	B	0.0031	B	0.01	ND	0.0034	B	0.0038	B
Barium	700	40	2	200	117	E	79.7	E	0.1	B	0.036	B	0.028	B	0.02	B J	0.017	B	0.017	B J	0.018	B J
Beryllium	1	1	0.02	5	0.9		0.62		0.00074	B J	0.0007	B J	0.0007	B J	0.00052	B J	0.004	ND	0.00042	B J	0.00037	B J
Cadmium	1	1	0.004	5					0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND
Calcium	NA	1000	NA	5000	6800	NE	38000	NE	221		142	J	108		84.6		64.7	J	53.7		40.3	J
Chromium	NA	2	0.1	10	158		169		0.037		0.061		0.06		0.058	J	0.04		0.026		0.016	
Cobalt	NA	10	NA	50	10.2	E	6.7	E	0.0035	B	0.001	B	0.05	ND	0.05	ND	0.05	ND	0.0008	B	0.00075	B
Copper	600	5	1	25	181		157		0.23		0.077		0.045		0.04		0.034		0.031		0.026	
Iron	NA	20	0.3	1000	25400	E	16900	E	0.11		0.1	ND	0.017	B	0.019	B	0.1	ND	0.1	ND	0.1	ND
Lead	400	0.6	0.01	3	180		146		0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND
Magnesium	NA	1000	NA	5000	8250	E	6760	E	5	ND	5	ND	5	ND	5	ND	5	ND	0.033	B	0.059	B
Manganese	NA	3	0.05	15	453	E	364	E	0.00052	B	0.00018	B	0.00034	B J	0.0002	B	0.015	ND	0.00042	B J	0.0003	B
Mercury	14	0.1	0.002	0.2	2.77		2.27		0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND
Nickel	250	8	0.1	40	69.5		67.1		0.054		0.013	B	0.0056	B	0.0043	B	0.0032	B	0.003	B	0.0035	B
Potassium	NA	1000	NA	5000	2650		2630		44.6		6		1.8	B	1	B	0.72	B	0.68	B	0.45	B
Selenium	63	1	0.05	5	1.3	N	0.72	N	0.005	ND	0.005	ND	0.0027	B	0.005	ND	0.005	ND	0.005	ND	0.005	ND
Silver	110	2	NA	10	4.35		3.68		0.005	ND	0.005	ND	0.00081	B J	0.0013	B J	0.005	ND	0.005	ND	0.005	ND
Sodium	NA	1000	50	5,000	8480	E	4830	E			16.2		9.4		7.9		5.2		5.8		5.7	
Thallium	2	2	0.01	10	0.71	B	0.96	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Vanadium	370	10	NA	50	35.5	E	27.2	E	0.0059	B	0.01	B	0.014	B	0.02	B	0.025	B	0.027	B	0.029	B
Zinc	1500	4	5	20	296		272		0.0029	B J	0.0023	B	0.0044	B J	0.02	ND	0.0023	B	0.0056	B J	0.0022	B J
Cyanide, total	1100	0.5	0.2	10	0.56	B	0.8	B														
%Solids					44.7		52.2															

Table 6 Dioxine	Action Level		Action Level		Unamended Sediment (Units: ppt)		Amended Sediment (Units: ppt)		MEP Extracts Units:pg/L													
ASI ID #	Soil		Leachate		20031153		20031156		MEP Day 1		MEP Day 2		MEP Day 3		MEP Day 4		MEP Day 5		MEP Day 6		MEP Day 7	
STL ID #	ug/kg		ug/L		Comp B	Q	A Comp B	Q	1 Comp B	Q	2 Comp B	Q	3 Comp B	Q	4 Comp B	Q	5 Comp B	Q	6 Comp B	Q	7 Comp B	Q
2,3,7,8-TCDD					33.44		27.01		2.4	ND											2.3	ND
1,2,3,7,8-PeCDD					3.85		3.70		1.5	ND											1.5	ND
1,2,3,4,7,8-HxCDD					2.78		2.10		1.6	ND											1.4	ND
1,2,3,6,7,8-HxCDD					17.05		15.23		1.7	ND											1.5	ND
1,2,3,7,8,9-HxCDD					12.40		13.13		1.6	ND											1.4	ND
1,2,3,4,6,7,8-HpCDD					328		329		1.8	ND											1.3	ND
OCDD					3380		3466		1.6	ND											1.2	ND
2,3,7,8-TCDF					20.16	#	15.69	#	2.4	ND											2.3	ND
1,2,3,7,8-PeCDF					10.03		6.40		1.2	ND											1.3	ND
2,3,4,7,8-PeCDF					10.66		10.53		1	ND											1	ND
1,2,3,4,7,8-HxCDF					38.73		32.81		0.97	ND											0.81	ND
1,2,3,6,7,8-HxCDF					11.99		10.00		1.1	ND											0.88	ND
2,3,4,6,7,8-HxCDF					8.61		7.32		1.1	ND											0.93	ND
1,2,3,7,8,9-HxCDF					1.42	J	0.66	J	1.4	ND											1.1	ND
1,2,3,4,6,7,8-HpCDF					180		153		1.3	ND											1.1	ND
1,2,3,4,7,8,9-HpCDF					7.86		6.98		1.5	ND											1.2	ND
OCDF					285		260		1.7	ND											1.2	ND

NA

* = NJDEP Required detection limit

= value from 2nd column confirmation

ND = Not detected

B = Indicates analyte detected in method blank as well as associated field sample

J = Detection limit below the reporting limit or is an estimated value

E = Estimated value

Table 7 Volatiles	Action Level		Action Level		Unamended Sediment (Units: ppb)		Amended Sediment (Units: ppb)		MEP Extracts Units:													
ASI ID #	Soil		Leachate		20031389		20031395		MEP Day 1		MEP Day 2		MEP Day 3		MEP Day 4		MEP Day 5		MEP Day 6		MEP Day 7	
STL ID #	ug/kg	*	ug/L	*	Comp C	Q	A Comp C	Q	1 Comp C	Q	2 Comp C	Q	3 Comp C	Q	4 Comp C	Q	5 Comp C	Q	6 Comp C	Q	7 Comp C	Q
Chloromethane (Methyl Chloride)	520000	10	30	10	9.7	ND	9.2	ND														
Bromomethane	79000	10	10	10	9.7	ND	9.2	ND														
Vinyl chloride	2000	10	5	10	9.7	ND	9.2	ND														
Chloroethane	NA	10	NA	10	9.7	ND	9.2	ND														
Methylene chloride (Dichloromethane)	49000	10	3	10	9.7	ND	9.2	ND														
Acetone	1,000,000	10	700	10	27		56															
Carbon disulfide	NA	10	NA	10	9.7	ND	2.2	J														
1,1-Dichloroethene	8000	10	2	10	9.7	ND	9.2	ND														
1,1-Dichloroethane	570000	10	50	10	9.7	ND	9.2	ND														
1,2-Dichloroethene (total)	NA	10	10	10	9.7	ND	9.2	ND														
Chloroform	19000	10	6	10	9.7	ND	9.2	ND														
1,2-Dichloroethane	NA	10	NA	10	9.7	ND	9.2	ND														
2-Butanone (MEK)	1000000	10	300	10	8.7	J	14															
1,1,1-Trichloroethane	210000	10	30	10	9.7	ND	9.2	ND														
Carbon tetrachloride	2000	10	2	10	9.7	ND	9.2	ND														
Bromodichloromethane	11000	10	1	10	9.7	ND	9.2	ND														
1,2-Dichloropropane	10000	10	1	10	9.7	ND	9.2	ND														
cis-1,3-Dichloropropene	NA	10	NA	10	9.7	ND	9.2	ND														
Trichloroethene	23000	10	1	10	9.7	ND	9.2	ND														
Dibromochloromethane	110000	10	10	10	9.7	ND	9.2	ND														
1,1,2-Trichloroethane	22000	10	3	10	9.7	ND	9.2	ND														
Benzene	3000	10	1	10	1.1	J	9.2	ND														
trans-1,3-dichloropropene	NA	10	NA	10	9.7	ND	9.2	ND														
Bromoform	86000	10	4	10	9.7	ND	9.2	ND														
4-Methyl-2-pentanone (MIBK)	1000000	10	400	10	9.7	ND	9.2	ND														
2-Hexanone	NA	10	NA	10	9.7	ND	9.2	ND														
Tetrachloroethene	4000	10	1	10	9.7	ND	9.2	ND														
1,1,2,2-Tetrachloroethane	NA	10	NA	10	9.7	ND	9.2	ND														
Toluene	1000000	10	1000	10	9.7	ND	9.2	ND														
Chlorobenzene	37000	10	50	10	9.7	ND	9.2	ND														
Ethyl benzene	1000000	10	700	10	0.81	J	9.2	ND														
Styrene	23000	10	100	10	9.7	ND	9.2	ND														
Xylenes(Total)	410000	10	1000	10	4.6	J	9.2	ND														

Table 7 Semivolatiles	Action Level		Action Level		Unamended Sediment (Units: ppb)		Amended Sediment (Units: ppb)		MEP Extracts Units:ppm													
ASI ID #	Soil		Leachate		20031389		20031395		MEP Day 1		MEP Day 2		MEP Day 3		MEP Day 4		MEP Day 5		MEP Day 6		MEP Day 7	
STL ID #	ug/kg	*	ug/L	*	Comp C	Q	A Comp C	Q	1 Comp C	Q	2 Comp C	Q	3 Comp C	Q	4 Comp C	Q	5 Comp C	Q	6 Comp C	Q	7 Comp C	Q
Phenol	10,000,000	660	4,000	10	640	ND	610	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
bis(2-Chloroethyl)ether	660	660	10	10	640	ND	610	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2-Chlorophenol	2000	660	5	10	640	ND	610	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
1,3-Dichlorobenzene	5100000	660	600	10	640	ND	610	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
1,4-Dichlorobenzene	570000	660	75	10	91.37		67.42		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
1,2-Dichlorobenzene	5100000	660	600	10	640	ND	610	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2-Methylphenol	2800000	660	NA	10	640	ND	610	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
1-Chloropropane-2,2'-oxybis	2300000	660	300	10	640	ND	610	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
4-Methylphenol	2800000	660	NA	10	640	ND	610	ND	0.0011	J	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
N-Nitroso-Di-N-Propylamine	660	660	20	10	640	ND	610	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Hexachloroethane	6000	660	10	10	640	ND	610	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Nitrobenzene	28000	660	10	10	640	ND	610	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Isophorone	1100000	660	100	10	640	ND	610	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2-Nitrophenol	NA	660	NA	10	640	ND	610	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2,4-Dimethylphenol	1100000	660	100	10	640	ND	610	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
bis(2-Chloroethoxy)methane	NA	660	NA	10	640	ND	610	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2,4-Dichlorophenol	170000	660	20	10	640	ND	610	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
1,2,4-Trichlorobenzene	68000	660	9	10	640	ND	610	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Naphthalene	230000	660	300	10	213.06		613.7		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
4-Chloroaniline	230000	1300	NA	20	640	ND	610	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Hexachloro-1,3-butadiene	NA	660	NA	10	640	ND	610	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
4-Chloro-3-methylphenol	10,000,000	1300	NA	20	640	ND	610	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2-Methylnaphthalene	NA	660	NA	10	640	ND	610	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Hexachlorocyclopentadiene	400000	660	50	10	1300	ND	1200	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
2,4,6-Trichlorophenol	62000	660	20	10	640	ND	610	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2,4,5-Trichlorophenol	5600000	660	700	10	640	ND	610	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2-Chloronaphthalene	NA	660	NA	10	640	ND	610	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2-Nitroaniline	NA	3,300	NA	50	3100	ND	2900	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
Dimethylphthalate	10,000,000	660	NA	10	640	ND	610	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Acenaphthylene	NA	660	NA	10	75.11		75.94		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2,6-Dinitrotoluene	1000	660	10	10	640	ND	610	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
3-Nitroaniline	NA	3300	NA	50	3100	ND	2900	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND

Table 7 Semivolatiles continued	Action Level		Action Level		Unamended Sediment (Units: ppb)		Amended Sediment (Units: ppb)		MEP Extracts Units:ppm													
ASI ID #	Soil		Leachate		20031389		20031395		MEP Day 1		MEP Day 2		MEP Day 3		MEP Day 4		MEP Day 5		MEP Day 6		MEP Day 7	
STL ID #	ug/kg	*	ug/L	*	Comp C	Q	A Comp C	Q	1 Comp C	Q	2 Comp C	Q	3 Comp C	Q	4 Comp C	Q	5 Comp C	Q	6 Comp C	Q	7 Comp C	Q
Acenaphthene	3400000	660	400	10	95.75		86.69		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2,4-Dinitrophenol	110000	3300	40	50	3100	ND	2900	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
4-Nitrophenol	NA	3300	NA	50	3100	ND	2900	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
Dibenzofuran	NA	660	NA	10	640	ND	610	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2,4-Dinitrotoluene	1000	660	10	10	640	ND	610	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Diethylphthalate	10,000,000	660	5,000	10	640	ND	610	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
4-Chlorophenyl-phenylether	NA	660	NA	10	640	ND	610	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Fluorene	2300000	660	300	10	147.88		125.27		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
4-Nitroaniline	NA	830	NA	20	1600	ND	1500	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND
4,6-Dinitro-2-methylphenol	NA	3300	NA	50	3100	ND	2900	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
N-Nitrosodiphenylamine	140000	660	20	10	640	ND	610	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
4-Bromophenyl-phenylether	NA	660	NA	10	640	ND	610	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Hexachlorobenzene	660	660	10	10	640	ND	610	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Pentachlorophenol	6000	3300	1	50	3100	ND	2900	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
Phenanthrene	NA	6600	NA	10	536.82		462.88		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Anthracene	10000000	6600	2000	10	582.09		310.98		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Carbazole	NA	330	NA	10	640	ND	610	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Di-n-butylphthalate	5700000	330	900	10	640	ND	610	ND	0.01	ND	0.00069	J	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Fluoranthene	2300000	660	300	10	1027.21		932.92		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Pyrene	1700000	660	200	10	1085.43		980.82		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Butylbenzylphthalate	1100000	660	100	10	640	ND	610	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
3,3'-Dichlorobenzidine	2000	1300	60	20	2500	ND	2400	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND
Benzo(a)anthracene	900	660	NA	10	463.89		451.12		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Chrysene	9000	660	NA	10	599.59		520.53		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
bis(2-Ethylhexyl)phthalate	49000	660	30	10	1500		1200		0.019		0.021	B	0.001	J	0.01	ND	0.0036	J	0.0012	J	0.0012	J
Di-n-octylphthalate	1100000	660	100	10	640	ND	610	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Benzo(b)fluoranthene	900	660	NA	10	541.62		470.71		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Benzo(k)fluoranthene	900	660	NA	10	473.13		437.59		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Benzo(a)pyrene	660	660	NA	10	543.76		505.74		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Indeno(1,2,3-cd)pyrene	900	660	NA	10	400.5		354.48		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Dibenzo(a,h)anthracene	660	660	NA	10	99.11		89.48		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Benzo(ghi)perylene	NA	660	NA	10	317.67		285.76		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND

Table 7 Pesticides/Arochlors	Action Level		Action Level		Unamended Sediment (Units: ppb)		Amended Sediment (Units: ppb)		MEP Extracts Units:ppm													
ASI ID #	Soil		Leachate		20031389		20031395		MEP Day 1		MEP Day 2		MEP Day 3		MEP Day 4		MEP Day 5		MEP Day 6		MEP Day 7	
STL ID #	ug/kg	*	ug/L	*	Comp C	Q	A Comp C	Q	1 Comp C	Q	2 Comp C	Q	3 Comp C	Q	4 Comp C	Q	5 Comp C	Q	6 Comp C	Q	7 Comp C	Q
alpha-BHC	NA	1.9	0.02	0.05	16	ND	16	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
beta-BHC	NA	3.3	0.2	0.05	16	ND	16	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
delta-BHC	NA	1.7	NA	0.05	16	ND	16	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
gamma-BHC (Lindane)	520	2	0.2	0.05	16	ND	16		0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Heptachlor	150	2.1	0.4	0.05	0.50	ND	0.17	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Aldrin	40	2	0.04	0.05	0.45	ND	0.16	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Heptachlor epoxide	NA	2.1	0.2	0.05	0.45	ND	0.16	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Endosulfan I		2.1	0.4	0.05	0.55	ND	0.19	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Dieldrin	42	3.3	0.03	0.10	2.62		2.03		0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
4,4'-DDE	2000	4.2	0.1	0.10	61.55	E	40.24	D	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Endrin	17000	3.6	2	0.10	8.9	J	5.3	J	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Endosulfan II		3.3	0.4	0.10	0.53	ND	0.18	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
4,4'-DDD	3000	4.2	0.1	0.10	54.88	E	36.29	D	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Endosulfan sulfate	NA	3.6	0.4	0.10	0.63	ND	0.22	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
4,4'-DDT	2000	3.6	0.1	0.10	61.29	E	49.70	D	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Methoxychlor	280000	17	40	0.50	32		30	ND	0.0001	ND	0.0001	ND	0.0001	ND	0.0001	ND	0.0001	ND	0.000038	J	0.00005	ND
Endrin ketone	NA	3.3	NA	0.10	16	ND	16	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Endrin aldehyde	NA	3.3	NA	0.10	16	ND	16	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
alpha-Chlordane	500	1.7	NA	0.05	4.17		3.28		0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
gamma-Chlordane	NA	1.7	0.5	0.05	3.2	J	1.8	J PG	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Toxaphene	100	170	3	5.00	650	ND	620	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND
Arochlor-1016 **		33		1.00	32	ND	30	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Arochlor-1221 **		67		2.00	32	ND	30	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Arochlor-1232 **		33		1.00	32	ND	30	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Arochlor-1242 **		33		1.00	32	ND	30	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Arochlor-1248 **		33		1.00	290		150		0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Arochlor-1254 **		33		1.00	290		100		0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Arochlor-1260 **		33		1.00	32	ND	30	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Total Arochlor(SUM)	490		0.5																			

** Reported as units = ppm

Table 7 Metals	Action Level		Action Level		Unamended Sediment (Units: ppm)		Amended Sediment (Units: ppm)		MEP Extracts Units:ppm													
ASI ID #	Soil		Leachate		20031389		20031395		MEP Day 1		MEP Day 2		MEP Day 3		MEP Day 4		MEP Day 5		MEP Day 6		MEP Day 7	
STL ID #	mg/Kg	*	mg/L	*	Comp C	Q	A Comp C	Q	1 Comp C	Q	2 Comp C	Q	3 Comp C	Q	4 Comp C	Q	5 Comp C	Q	6 Comp C	Q	7 Comp C	Q
Aluminum	NA	40	0.2	200	12900		14800		0.67		1.8		[illegible]		1.6	E	[illegible]		[illegible]	J	[illegible]	
Antimony	14	12	0.02	60	0.97	ND	1	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.004	B	0.004	B	0.0043	B
Arsenic	20	2	0.008	10	22.2		19.1		0.0027	B	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.0044	B	0.0041	B
Barium	700	40	2	200	166		158		0.11	B J	0.043	B J	0.046	B J	0.028	B J E	0.017	B	0.018	B	0.027	B
Berylliun	1	1	0.02	5	0.88		0.89		0.004	ND	0.001	B J	0.0013	B J	0.0016	B	0.004	ND	0.00065	B J	0.001	B J
Cadmium	1	1	0.004	5	2.92		2.73		0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND
Calcium	NA	1000	NA	5000	4850	E	58900	E	245		152	J	112	J	89.8	J	66.9		55.3		49.6	J
Chromium	NA	2	0.1	10	143		167		0.053		0.07		0.069		0.062		0.034		0.023		0.021	
Cobalt	NA	10	NA	50	9.7	E	9.6	E	0.0026	B	0.00066	B	0.00064	B	0.05	ND	0.05	ND	0.05	ND	0.05	ND
Copper	600	5	1	25	192		174		0.21		0.066	E	0.048		0.038		0.034		0.029		0.028	
Iron	NA	20	0.3	1000	27800		26900		0.026	B	0.1	ND	0.1	ND	0.1	ND	0.1	ND	0.028	B J	0.033	B
Lead	400	0.6	0.01	3	142		125		0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND
Magnesium	NA	1000	NA	5000	7070		9210		0.034	B	0.033	B	0.045	B	0.037	B	0.05	B	0.079	B	0.091	B
Manganese	NA	3	0.05	15	351		458		0.015	ND	0.015	ND	0.015	ND	0.015	ND	0.015	ND	0.00044	B J	0.00034	B
Mercury	14	0.1	0.002	0.2	3.69		3.21		0.0002	ND	0.00023		0.000071	B	0.000029	B	0.0002	ND	0.0002	ND	0.0002	ND
Nickel	250	8	0.1	40	75.7		56.5		0.048		0.0094	B	0.0047	B	0.0032	B	0.0027	B	0.0024	B	0.002	B
Potassium	NA	1000	NA	5000	2820		4010		45.8	E	6.2	J	2	B	1	B	0.78	B	0.57	B	0.53	B
Selenium	63	1	0.05	5	1.2		0.62		0.0037	B	0.0043	B	0.0046	B	0.0031	B J	0.005	ND	0.0023	B	0.005	ND
Silver	110	2	NA	10	3.55		3.21		0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND
Sodium	NA	1000	50	5,000	7340		6910		[illegible]		20.3		7.9		5.6		4.3	B	5.6		7.2	
Thallium	2	2	0.01	10	0.24	B	1	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Vanadium	370	10	NA	50	36.8		41.7		0.0066	B	0.012	B	0.017	B	0.023	B	0.026	B	0.026	B	0.028	B
Zinc	1500	4	5	20	273		268		0.0015	B J	0.003	B J	0.0027	B	0.0018	B	0.0016	B	0.0053	B	0.0028	B
Cyanide, total	1100	0.5	0.2	10	0.97	ND	0.92	ND														
%Solids					49.95		58.4															

Table 7 Dioxins	Action Level		Action Level		Unamended Sediment (Units:ppt)		Amended Sediment (Units:ppt)		MEP Extracts Units:pg/L													
ASI ID #	Soil		Leachate		20031389		20031395		MEP Day 1		MEP Day 2		MEP Day 3		MEP Day 4		MEP Day 5		MEP Day 6		MEP Day 7	
STL ID #	ug/kg		ug/L		Comp C	Q	A Comp C	Q	1 Comp C	Q	2 Comp C	Q	3 Comp C	Q	4 Comp C	Q	5 Comp C	Q	6 Comp C	Q	7 Comp C	Q
2,3,7,8-TCDD					33.00		26.48		3.5	ND											5.7	ND
1,2,3,7,8-PeCDD					2.50		2.19		2.3	ND											3.1	ND
1,2,3,4,7,8-HxCDD					2.02		2.15		3.2	ND											3.3	ND
1,2,3,6,7,8-HxCDD					12.93		14.49		3.3	ND											3.7	ND
1,2,3,7,8,9-HxCDD					8.93		9.57		3.1	ND											3.4	ND
1,2,3,4,6,7,8-HpCDD					249.39		340.51		5.3	ND											4.8	ND
OCDD					2568.81		3377.83		7.8	ND											6.6	ND
2,3,7,8-TCDF					12.60	#	11.67	#	3.4	ND											5.2	ND
1,2,3,7,8-PeCDF					5.98		6.72		1.8	ND											2.6	ND
2,3,4,7,8-PeCDF					9.55		9.41		1.4	ND											2	ND
1,2,3,4,7,8-HxCDF					32.23		34.68		1.7	ND											1.9	ND
1,2,3,6,7,8-HxCDF					10.02		10.20		1.8	ND											2	ND
2,3,4,6,7,8-HxCDF					6.68		7.50		2.1	ND											2.1	ND
1,2,3,7,8,9-HxCDF					0.68	J	0.59	J	2.5	ND											2.8	ND
1,2,3,4,6,7,8-HpCDF					132.15		147.76		3.3	ND											3.6	ND
1,2,3,4,7,8,9-HpCDF					7.17		8.35		4.9	ND											5.4	ND
OCDF					245.31		345.39		8.4	ND											7.5	ND

NA

* = NJDEP Required detection limit

\# = value from 2nd column confirmation

ND = Not detected

B = Indicates analyte detected in method blank as well as associated field sample

J = Detection limit below the reporting limit or is an estimated value

E = Estimated value

Table 8 Volatiles	Action Level		Action Level		Unamended Sediment (Units: ppb)		Amended Sediment (Units: ppb)		MEP Extracts Units:													
ASI ID #	Soil		Leachate		20031154		20031157		MEP Day 1		MEP Day 2		MEP Day 3		MEP Day 4		MEP Day 5		MEP Day 6		MEP Day 7	
STL ID #	ug/kg	*	ug/L	*	Comp D	Q	A Comp D	Q	1 Comp D	Q	2 Comp D	Q	3 Comp D	Q	4 Comp D	Q	5 Comp D	Q	6 Comp D	Q	7 Comp D	Q
Chloromethane (Methyl Chloride)	520000	10	30	10	12	ND	10	ND														
Bromomethane	79000	10	10	10	12	ND	10	ND														
Vinyl chloride	2000	10	5	10	12	ND	10	ND														
Chloroethane	NA	10	NA	10	12	ND	10	ND														
Methylene chloride (Dichloromethane)	49000	10	3	10	12	ND	10	ND														
Acetone	1,000,000	10	700	10	150		180															
Carbon disulfide	NA	10	NA	10	5	J	51															
1,1-Dichloroethene	8000	10	2	10	12	ND	10	ND														
1,1-Dichloroethane	570000	10	50	10	12	ND	10	ND														
1,2-Dichloroethene (total)	NA	10	10	10	12	ND	10	ND														
Chloroform	19000	10	6	10	12	ND	10	ND														
1,2-Dichloroethane	NA	10	NA	10	12	ND	10	ND														
2-Butanone (MEK)	1000000	10	300	10	18		43															
1,1,1-Trichloroethane	210000	10	30	10	12	ND	10	ND														
Carbon tetrachloride	2000	10	2	10	12	ND	10	ND														
Bromodichloromethane	11000	10	1	10	12	ND	10	ND														
1,2-Dichloropropane	10000	10	1	10	12	ND	10	ND														
cis-1,3-Dichloropropene	NA	10	NA	10	12	ND	10	ND														
Trichloroethene	23000	10	1	10	12	ND	10	ND														
Dibromochloromethane	110000	10	10	10	12	ND	10	ND														
1,1,2-Trichloroethane	22000	10	3	10	12	ND	10	ND														
Benzene	3000	10	1	10	2.4	J	2.2	J														
trans-1,3-dichloropropene	NA	10	NA	10	12	ND	10	ND														
Bromoform	86000	10	4	10	12	ND	10	ND														
4-Methyl-2-pentanone (MIBK)	1000000	10	400	10	12	ND	10	ND														
2-Hexanone	NA	10	NA	10	12	ND	10	ND														
Tetrachloroethene	4000	10	1	10	12	ND	10	ND														
1,1,2,2-Tetrachloroethane	NA	10	NA	10	12	ND	10	ND														
Toluene	1000000	10	1000	10	12	ND	10	ND														
Chlorobenzene	37000	10	50	10	12	ND	10	ND														
Ethyl benzene	1000000	10	700	10	12	ND	10	ND														
Styrene	23000	10	100	10	12	ND	10	ND														
Xylenes(Total)	410000	10	1000	10	3.7	J	2.3	J														

Table 8 Semivolatiles	Action Level		Action Level		Unamended Sediment (Units: ppb)		Amended Sediment (Units: ppb)		MEP Extracts Units:ppm													
ASI ID #	Soil		Leachate		20031154		20031157		MEP Day 1		MEP Day 2		MEP Day 3		MEP Day 4		MEP Day 5		MEP Day 6		MEP Day 7	
STL ID #	ug/kg	*	ug/L	*	Comp D	Q	A Comp D	Q	1 Comp D	Q	2 Comp D	Q	3 Comp D	Q	4 Comp D	Q	5 Comp D	Q	6 Comp D	Q	7 Comp D	Q
Phenol	10,000,000	660	4,000	10	2000	ND	660	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
bis(2-Chloroethyl)ether	660	660	10	10	2000	ND	660	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2-Chlorophenol	2000	660	5	10	2000	ND	660	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
1,3-Dichlorobenzene	5100000	660	600	10	2000	ND	660	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
1,4-Dichlorobenzene	570000	660	75	10	168.3		104.36		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
1,2-Dichlorobenzene	5100000	660	600	10	2000	ND	660	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2-Methylphenol	2800000	660	NA	10	2000	ND	660	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
1-Chloropropane-2,2'-oxybis	2300000	660	300	10	2000	ND	660	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
4-Methylphenol	2800000	660	NA	10	2000	ND	660	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
N-Nitroso-Di-N-Propylamine	660	660	20	10	2000	ND	660	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Hexachloroethane	6000	660	10	10	2000	ND	660	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Nitrobenzene	28000	660	10	10	2000	ND	660	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Isophorone	1100000	660	100	10	2000	ND	660	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2-Nitrophenol	NA	660	NA	10	2000	ND	660	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2,4-Dimethylphenol	1100000	660	100	10	2000	ND	660	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
bis(2-Chloroethoxy)methane	NA	660	NA	10	2000	ND	660	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2,4-Dichlorophenol	170000	660	20	10	2000	ND	660	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
1,2,4-Trichlorobenzene	68000	660	9	10	2000	ND	660	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Naphthalene	230000	660	300	10	267.13		162.88		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
4-Chloroaniline	230000	1300	NA	20	480	J	250	J	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Hexachloro-1,3-butadiene	NA	660	NA	10	2000	ND	660	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
4-Chloro-3-methylphenol	10,000,000	1300	NA	20	2000	ND	660	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2-Methylnaphthalene	NA	660	NA	10	2000	ND	660	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Hexachlorocyclopentadiene	400000	660	50	10	4000	ND	1300	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
2,4,6-Trichlorophenol	62000	660	20	10	2000	ND	660	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2,4,5-Trichlorophenol	5600000	660	700	10	2000	ND	660	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2-Chloronaphthalene	NA	660	NA	10	2000	ND	660	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2-Nitroaniline	NA	3,300	NA	50	9800	ND	3200	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
Dimethylphthalate	10,000,000	660	NA	10	2000	ND	660	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Acenaphthylene	NA	660	NA	10	123.34		76.84		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2,6-Dinitrotoluene	1000	660	10	10	2000	ND	660	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
3-Nitroaniline	NA	3300	NA	50	9800	ND	3200	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND

Table 8 Semivolatiles continued	Action Level		Action Level		Unamended Sediment (Units: ppb)		Amended Sediment (Units: ppb)		MEP Extracts Units:ppm													
ASI ID #	Soil		Leachate		20031154		20031157		MEP Day 1		MEP Day 2		MEP Day 3		MEP Day 4		MEP Day 5		MEP Day 6		MEP Day 7	
STL ID #	ug/kg	*	ug/L	*	Comp D	Q	A Comp D	Q	1 Comp D	Q	2 Comp D	Q	3 Comp D	Q	4 Comp D	Q	5 Comp D	Q	6 Comp D	Q	7 Comp D	Q
Acenaphthene	3400000	660	400	10	90.44		52.6		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2,4-Dinitrophenol	110000	3300	40	50	9800	ND	3200	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
4-Nitrophenol	NA	3300	NA	50	9800	ND	3200	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
Dibenzofuran	NA	660	NA	10	2000	ND	660	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2,4-Dinitrotoluene	1000	660	10	10	2000	ND	660	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Diethylphthalate	10,000,000	660	5,000	10	2000	ND	660	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
4-Chlorophenyl-phenylether	NA	660	NA	10	2000	ND	660	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Fluorene	2300000	660	300	10	145.12		79.18		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
4-Nitroaniline	NA	830	NA	20	5100	ND	1700	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND
4,6-Dinitro-2-methylphenol	NA	3300	NA	50	9800	ND	3200	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
N-Nitrosodiphenylamine	140000	660	20	10	2000	ND	660	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
4-Bromophenyl-phenylether	NA	660	NA	10	2000	ND	660	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Hexachlorobenzene	660	660	10	10	2000	ND	660	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Pentachlorophenol	6000	3300	1	50	9800	ND	3200	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
Phenanthrene	NA	6600	NA	10	794.48		387.99		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Anthracene	10000000	6600	2000	10	579.2		357.65		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Carbazole	NA	330	NA	10	2000	ND	660	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Di-n-butylphthalate	5700000	330	900	10	2000	ND	660	ND	0.01	ND	0.001	J	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Fluoranthene	2300000	660	300	10	2079.81	D	1179.57		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Pyrene	1700000	660	200	10	2255.33	D	1326.92		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Butylbenzylphthalate	1100000	660	100	10	2000	ND	660	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
3,3'-Dichlorobenzidine	2000	1300	60	20	7900	ND	2600	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND
Benzo(a)anthracene	900	660	NA	10	1034.23		609.26		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Chrysene	9000	660	NA	10	1271.91		756.8		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
bis(2-Ethylhexyl)phthalate	49000	660	30	10	14000		5400	E	0.0064	J	0.0089	J	0.0096	J	0.03		0.012		0.0053	J	0.01	
Di-n-octylphthalate	1100000	660	100	10	2000	ND	660	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Benzo(b)fluoranthene	900	660	NA	10	[illegible]		615.87		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Benzo(k)fluoranthene	900	660	NA	10	[illegible]		553.2		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Benzo(a)pyrene	660	660	NA	10	[illegible]		[illegible]		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Indeno(1,2,3-cd)pyrene	900	660	NA	10	782.83		475.16		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Dibenzo(a,h)anthracene	660	660	NA	10	203.51		128.32		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Benzo(ghi)perylene	NA	660	NA	10	761.16		496.87		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND

Table 8 Pesticides/Arochlors	Action Level		Action Level		Unamended Sediment (Units: ppb)		Amended Sediment (Units: ppb)		MEP Extracts Units:ppm													
ASI ID #	Soil		Leachate		20031154		20031157		MEP Day 1		MEP Day 2		MEP Day 3		MEP Day 4		MEP Day 5		MEP Day 6		MEP Day 7	
STL ID #	ug/kg	*	ug/L	*	Comp D	Q	A Comp D	Q	1 Comp D	Q	2 Comp D	Q	3 Comp D	Q	4 Comp D	Q	5 Comp D	Q	6 Comp D	Q	7 Comp D	Q
alpha-BHC	NA	1.9	0.02	0.05	10	ND	8.5	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
beta-BHC	NA	3.3	0.2	0.05	10	ND	8.5	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
delta-BHC	NA	1.7	NA	0.05	10	ND	8.5	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00003	J PG	0.00005	ND
gamma-BHC (Lindane)	520	2	0.2	0.05	10	ND	8.5	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Heptachlor	150	2.1	0.4	0.05	0.25	ND	0.21	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Aldrin	40	2	0.04	0.05	0.22	ND	0.19	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Heptachlor epoxide	NA	2.1	0.2	0.05	0.22	ND	0.19	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Endosulfan I		2.1	0.4	0.05	0.27	ND	0.23	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Dieldrin	42	3.3	0.03	0.10	4.60		2.91		0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
4,4'-DDE	2000	4.2	0.1	0.10	108.56	D	71.09	D	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Endrin	17000	3.6	2	0.10	5.8	J PG	2.1	J PG	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Endosulfan II		3.3	0.4	0.10	0.26	ND	0.22	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
4,4'-DDD	3000	4.2	0.1	0.10	137.63	D	62.73	D	0.00005	ND	0.00005	ND	0.000016	J PG	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Endosulfan sulfate	NA	3.6	0.4	0.10	0.31	ND	0.26	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
4,4'-DDT	2000	3.6	0.1	0.10	679.59	D	59.75	D	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Methoxychlor	280000	17	40	0.50	20	ND	17	ND	0.0001	ND	0.0001	ND	0.0001	ND	0.0001	ND	0.0001	ND	0.0001	ND	0.0001	ND
Endrin ketone	NA	3.3	NA	0.10	10	ND	8.5	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Endrin aldehyde	NA	3.3	NA	0.10	10	ND	8.5	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
alpha-Chlordane	500	1.7	NA	0.05	10.00		6.24		0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
gamma-Chlordane	NA	1.7	0.5	0.05	13		4	J PG	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Toxaphene	100	170	3	5.00	410	ND	340	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND
Arochlor-1016 **		33		1.00	200	ND	170	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Arochlor-1221 **		67		2.00	200	ND	170	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Arochlor-1232 **		33		1.00	200	ND	170	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Arochlor-1242 **		33		1.00	200	ND	170	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Arochlor-1248 **		33		1.00	520		280		0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Arochlor-1254 **		33		1.00	330		200		0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Arochlor-1260 **		33		1.00	200		180		0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Total Arochlor(SUM)	490		0.5																			

** Reported as units = ppm

Table 8 Metals	Action Level		Action Level		Unamended Sediment (Units: ppm)		Amended Sediment (Units: ppm)		MEP Extracts Units:ppm													
ASI ID #	Soil		Leachate		20031154		20031157		MEP Day 1		MEP Day 2		MEP Day 3		MEP Day 4		MEP Day 5		MEP Day 6		MEP Day 7	
STL ID #	mg/Kg	*	mg/L	*	Comp D	Q	A Comp D	Q	1 Comp D	Q	2 Comp D	Q	3 Comp D	Q	4 Comp D	Q	5 Comp D	Q	6 Comp D	Q	7 Comp D	Q
Aluminum	NA	40	0.2	200	13000	E	13100	E	[illegible]		[illegible]		[illegible]	J	[illegible]	J	[illegible]	J	[illegible]		[illegible]	
Antimony	14	12	0.02	60	1.2	ND	1	ND	0.01	ND	0.01	ND	0.0038	B	0.0052	B J	0.01	ND	0.01	ND	0.004	B
Arsenic	20	2	0.008	10	[illegible]		[illegible]		0.0025	B	0.0029	B	0.0024	B	0.01	ND	0.01	ND	0.0027	B	0.0032	B
Barium	700	40	2	200	196	E	174	E	0.12	B	0.041	B	0.03	B	0.019	B J	0.016	B	0.018	B J	0.018	B J
Beryllium	1	1	0.02	5	1		0.83		0.00075	B J	0.00088	B J	0.00079	B J	0.00058	B J	0.004	ND	0.00037	B J	0.00053	B J
Cadmium	1	1	0.004	5	[illegible]		[illegible]		0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND
Calcium	NA	1000	NA	5000	5850	NE	56200	NE	219		133	J	103		84.4		67.5	J	57.4		41.3	J
Chromium	NA	2	0.1	10	244		241		0.025		0.066		0.072		0.071	J	0.06		0.044		0.027	
Cobalt	NA	10	NA	50	10.1	E	8.1	E	0.0027	B	0.00078	B	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
Copper	600	5	1	25	375		304		0.17		0.093		0.061		0.057		0.051		0.048		0.035	
Iron	NA	20	0.3	1000	26500	E	21700	E	0.053	B	0.034	B	0.1	ND	0.1	ND	0.1	ND	0.1	ND	0.1	ND
Lead	400	0.6	0.01	3	286		217		0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND
Magnesium	NA	1000	NA	5000	7390	E	8030	E	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	0.023	B
Manganese	NA	3	0.05	15	361	E	410	E	0.015	ND	0.0011	B	0.015	ND	0.0002	B	0.015	ND	0.00024	B J	0.015	ND
Mercury	14	0.1	0.002	0.2	6.87		5.51		0.000061	B	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND
Nickel	250	8	0.1	40	58.4		53.1		0.05		0.013	B	0.0057	B	0.004	B	0.0037	B	0.0029	B	0.002	B
Potassium	NA	1000	NA	5000	2700		3170		40.3		5.4		1.7	B	0.89	B	0.6	B	0.63	B	0.37	B
Selenium	63	1	0.05	5	2.0	N	1.6	N	0.0044	B	0.0031	B	0.0043	B	0.0024	B	0.005	ND	0.005	ND	0.005	ND
Silver	110	2	NA	10	6.86		5.38		0.005	ND	0.005	ND	0.001	B J	0.00083	B J	0.005	ND	0.005	ND	0.005	ND
Sodium	NA	1000	50	5,000	9430	E	6440	E	[illegible]		14.6		7.5		7.6		7.8		6.7		5.7	
Thallium	2	2	0.01	10	0.66	B	1.0	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Vanadium	370	10	NA	50	38	E	38.4	E	0.0054	B	0.0094	B	0.013	B	0.018	B	0.023	B	0.025	B	0.026	B
Zinc	1500	4	5	20	487.2625719		443.3842116		0.0032	B J	0.0018	B	0.02	ND	0.025		0.0015	B	0.056	J	0.012	B J
Cyanide, total	1100	0.5	0.2	10	0.87	B	1.7															
%Solids					41.36		49.01															

Table 8 Dioxins	Action Level		Action Level		Unamended Sediment (Units:ppt)		Amended Sediment (Units:ppt)		MEP Extracts Units:ng/L													
ASI ID #	Soil		Leachate		20031154		20031157		MEP Day 1		MEP Day 2		MEP Day 3		MEP Day 4		MEP Day 5		MEP Day 6		MEP Day 7	
STL ID #	ug/kg		ug/L		Comp D	Q	A Comp D	Q	1 Comp D	Q	2 Comp D	Q	3 Comp D	Q	4 Comp D	Q	5 Comp D	Q	6 Comp D	Q	7 Comp D	Q
2,3,7,8-TCDD					49.40		46.59		3.3	ND	[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		2.3	ND
1,2,3,7,8-PeCDD					6.61		4.78		1.9	ND	[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		1.4	ND
1,2,3,4,7,8-HxCDD					4.85		4.18		2.1	ND	[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		1.4	ND
1,2,3,6,7,8-HxCDD					30.66		27.58		2.3	ND	[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		1.6	ND
1,2,3,7,8,9-HxCDD					23.98		18.75		2.1	ND	[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		1.4	ND
1,2,3,4,6,7,8-HpCDD					620.4		563		1.9	ND	[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		1.2	ND
OCDD					6423		6049		4.4	B J	[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		1.1	ND
2,3,7,8-TCDF					28.43	#	22.51	#	3.2	ND	[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		1.2	ND
1,2,3,7,8-PeCDF					15.66		13.29		1.6	ND	[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		1.1	ND
2,3,4,7,8-PeCDF					22.69		17.69		1.3	ND	[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		0.86	ND
1,2,3,4,7,8-HxCDF					84.17		67.60		1.3	ND	[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		0.79	ND
1,2,3,6,7,8-HxCDF					24.52		20.64		1.4	ND	[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		0.79	ND
2,3,4,6,7,8-HxCDF					16.92		15.58		1.6	ND	[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		0.91	ND
1,2,3,7,8,9-HxCDF					2.02	J	0.96	J	1.8	ND	[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		1.1	ND
1,2,3,4,6,7,8-HpCDF					357.1		268.8		1.8	ND	[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		1	ND
1,2,3,4,7,8,9-HpCDF					18.42		14.35	J	2.1	ND	[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		1.2	ND
OCDF					684.7		429.4		2	ND	[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		1.1	ND

NA

* = NJDEP Required detection limit

= value from 2nd column confirmation

ND = Not detected

B = Indicates analyte detected in method blank as well as associated field sample

J = Detection limit below the reporting limit or is an estimated value

E = Estimated value

Table 9 Volatiles	Action Level		Action Level		Unamended Sediment (Units: ppb)		Amended Sediment (Units: ppb)		MEP Extracts Units:													
ASI ID #	Soil		Leachate		20031390		20031396		MEP Day 1		MEP Day 2		MEP Day 3		MEP Day 4		MEP Day 5		MEP Day 6		MEP Day 7	
STL ID #	ug/kg	*	ug/L	*	Comp E	Q	A Comp E	Q	1 Comp E	Q	2 Comp E	Q	3 Comp E	Q	4 Comp E	Q	5 Comp E	Q	6 Comp E	Q	7 Comp E	Q
Chloromethane (Methyl Chloride)	520000	10	30	10	11	ND	9.7	ND														
Bromomethane	79000	10	10	10	11	ND	9.7	ND														
Vinyl chloride	2000	10	5	10	11	ND	9.7	ND														
Chloroethane	NA	10	NA	10	11	ND	9.7	ND														
Methylene chloride (Dichloromethane)	49000	10	3	10	11	ND	9.7	ND														
Acetone	1,000,000	10	700	10	16	J	73															
Carbon disulfide	NA	10	NA	10	11	ND	5.2	J														
1,1-Dichloroethene	8000	10	2	10	11	ND	9.7	ND														
1,1-Dichloroethane	570000	10	50	10	11	ND	9.7	ND														
1,2-Dichloroethene (total)	NA	10	10	10	11	ND	9.7	ND														
Chloroform	19000	10	6	10	11	ND	9.7	ND														
1,2-Dichloroethane	NA	10	NA	10	11	ND	9.7	ND														
2-Butanone (MEK)	1000000	10	300	10	11	ND	20															
1,1,1-Trichloroethane	210000	10	30	10	11	ND	9.7	ND														
Carbon tetrachloride	2000	10	2	10	11	ND	9.7	ND														
Bromodichloromethane	11000	10	1	10	11	ND	9.7	ND														
1,2-Dichloropropane	10000	10	1	10	11	ND	9.7	ND														
cis-1,3-Dichloropropene	NA	10	NA	10	11	ND	9.7	ND														
Trichloroethene	23000	10	1	10	11	ND	9.7	ND														
Dibromochloromethane	110000	10	10	10	11	ND	9.7	ND														
1,1,2-Trichloroethane	22000	10	3	10	11	ND	9.7	ND														
Benzene	3000	10	1	10	1.4	J	1.4	J														
trans-1,3-dichloropropene	NA	10	NA	10	11	ND	9.7	ND														
Bromoform	86000	10	4	10	11	ND	9.7	ND														
4-Methyl-2-pentanone (MIBK)	1000000	10	400	10	11	ND	9.7	ND														
2-Hexanone	NA	10	NA	10	11	ND	9.7	ND														
Tetrachloroethene	4000	10	1	10	11	ND	9.7	ND														
1,1,2,2-Tetrachloroethane	NA	10	NA	10	11	ND	9.7	ND														
Toluene	1000000	10	1000	10	11	ND	9.7	ND														
Chlorobenzene	37000	10	50	10	11	ND	9.7	ND														
Ethyl benzene	1000000	10	700	10	11	ND	9.7	ND														
Styrene	23000	10	100	10	11	ND	9.7	ND														
Xylenes(Total)	410000	10	1000	10	3.6	J	3	J														

Table 9 Semivolatiles	Action Level		Action Level		Unamended Sediment (Units: ppb)		Amended Sediment (Units: ppb)		MEP Extracts Units:ppm													
ASI ID #	Soil		Leachate		20031390		20031396		MEP Day 1		MEP Day 2		MEP Day 3		MEP Day 4		MEP Day 5		MEP Day 6		MEP Day 7	
STL ID #	ug/kg	*	ug/L	*	Comp E	Q	A Comp E	Q	1 Comp E	Q	2 Comp E	Q	3 Comp E	Q	4 Comp E	Q	5 Comp E	Q	6 Comp E	Q	7 Comp E	Q
Phenol	10,000,000	660	4,000	10	740	ND	640	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
bis(2-Chloroethyl)ether	660	660	10	10	740	ND	640	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2-Chlorophenol	2000	660	5	10	740	ND	640	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
1,3-Dichlorobenzene	5100000	660	600	10	740	ND	640	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
1,4-Dichlorobenzene	570000	660	75	10	182.45		133.58		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
1,2-Dichlorobenzene	5100000	660	600	10	740	ND	640	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2-Methylphenol	2800000	660	NA	10	740	ND	640	ND	0.0011	J	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
1-Chloropropane-2,2'-oxybis	2300000	660	300	10	740	ND	640	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
4-Methylphenol	2800000	660	NA	10	740	ND	640	ND	0.0017	J	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
N-Nitroso-Di-N-Propylamine	660	660	20	10	740	ND	640	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Hexachloroethane	6000	660	10	10	740	ND	640	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Nitrobenzene	28000	660	10	10	740	ND	640	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Isophorone	1100000	660	100	10	740	ND	640	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2-Nitrophenol	NA	660	NA	10	740	ND	640	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2,4-Dimethylphenol	1100000	660	100	10	740	ND	640	ND	0.0016	J	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
bis(2-Chloroethoxy)methane	NA	660	NA	10	740	ND	640	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2,4-Dichlorophenol	170000	660	20	10	740	ND	640	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
1,2,4-Trichlorobenzene	68000	660	9	10	740	ND	640	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Naphthalene	230000	660	300	10	294.32		249.12		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
4-Chloroaniline	230000	1300	NA	20	740	ND	120	J	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Hexachloro-1,3-butadiene	NA	660	NA	10	740	ND	640	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
4-Chloro-3-methylphenol	10,000,000	1300	NA	20	740	ND	640	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2-Methylnaphthalene	NA	660	NA	10	740	ND	640	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Hexachlorocyclopentadiene	400000	660	50	10	1500	ND	1300	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
2,4,6-Trichlorophenol	62000	660	20	10	740	ND	640	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2,4,5-Trichlorophenol	5600000	660	700	10	740	ND	640	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2-Chloronaphthalene	NA	660	NA	10	740	ND	640	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2-Nitroaniline	NA	3,300	NA	50	3600	ND	3100	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
Dimethylphthalate	10,000,000	660	NA	10	740	ND	640	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Acenaphthylene	NA	660	NA	10	150.69		124.32		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2,6-Dinitrotoluene	1000	660	10	10	740	ND	640	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
3-Nitroaniline	NA	3300	NA	50	3600	ND	3100	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND

Table 9 Semivolatiles continued	Action Level		Action Level		Unamended Sediment (Units: ppb)		Amended Sediment (Units: ppb)		MEP Extracts Units:ppm													
ASI ID #	Soil		Leachate		20031390		20031396		MEP Day 1		MEP Day 2		MEP Day 3		MEP Day 4		MEP Day 5		MEP Day 6		MEP Day 7	
STL ID #	ug/kg	*	ug/L	*	Comp E	Q	A Comp E	Q	1 Comp E	Q	2 Comp E	Q	3 Comp E	Q	4 Comp E	Q	5 Comp E	Q	6 Comp E	Q	7 Comp E	Q
Acenaphthene	3400000	660	400	10	126.24		115.21		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2,4-Dinitrophenol	110000	3300	40	50	3600	ND	3100	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
4-Nitrophenol	NA	3300	NA	50	3600	ND	3100	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
Dibenzofuran	NA	660	NA	10	740	ND	640	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2,4-Dinitrotoluene	1000	660	10	10	740	ND	640	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Diethylphthalate	10,000,000	660	5,000	10	740	ND	640	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
4-Chlorophenyl-phenylether	NA	660	NA	10	740	ND	640	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Fluorene	2300000	660	300	10	188.78		155.41		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
4-Nitroaniline	NA	830	NA	20	1900	ND	1600	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND
4,6-Dinitro-2-methylphenol	NA	3300	NA	50	3600	ND	3100	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
N-Nitrosodiphenylamine	140000	660	20	10	740	ND	640	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
4-Bromophenyl-phenylether	NA	660	NA	10	740	ND	640	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Hexachlorobenzene	660	660	10	10	740	ND	640	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Pentachlorophenol	6000	3300	1	50	3600	ND	3100	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
Phenanthrene	NA	6600	NA	10	857.4		780.82		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Anthracene	10000000	6600	2000	10	632.52		549.69		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Carbazole	NA	330	NA	10	740	ND	640	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Di-n-butylphthalate	5700000	330	900	10	740	ND	640	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Fluoranthene	2300000	660	300	10	2135.55		1887.07		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Pyrene	1700000	660	200	10	2261.92		1948.43		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Butylbenzylphthalate	1100000	660	100	10	740	ND	640	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
3,3'-Dichlorobenzidine	2000	1300	60	20	2900	ND	2500	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND
Benzo(a)anthracene	900	660	NA	10	[illegible]		[illegible]		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Chrysene	9000	660	NA	10	1157.92		1079.52		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
bis(2-Ethylhexyl)phthalate	49000	660	30	10	3000		3900		0.0027	J	0.013	B	0.01	ND	0.0016	J B	0.0015	J	0.0021	J	0.01	ND
Di-n-octylphthalate	1100000	660	100	10	740	ND	640	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Benzo(b)fluoranthene	900	660	NA	10	[illegible]		[illegible]		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Benzo(k)fluoranthene	900	660	NA	10	[illegible]		867.36		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Benzo(a)pyrene	660	660	NA	10	[illegible]		[illegible]		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Indeno(1,2,3-cd)pyrene	900	660	NA	10	775.6		706.01		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Dibenzo(a,h)anthracene	660	660	NA	10	193.68		176.53		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Benzo(ghi)perylene	NA	660	NA	10	584.97		577.67		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND

Table 9 Pesticides/Arochlors	Action Level		Action Level		Unamended Sediment (Units: ppb)		Amended Sediment (Units: ppb)		MEP Extracts Units:ppm													
ASI ID #	Soil		Leachate		20031390		20031396		MEP Day 1		MEP Day 2		MEP Day 3		MEP Day 4		MEP Day 5		MEP Day 6		MEP Day 7	
STL ID #	ug/kg	*	ug/L	*	Comp E	Q	A Comp E	Q	1 Comp E	Q	2 Comp E	Q	3 Comp E	Q	4 Comp E	Q	5 Comp E	Q	6 Comp E	Q	7 Comp E	Q
alpha-BHC	NA	1.9	0.02	0.05	19	ND	16	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
beta-BHC	NA	3.3	0.2	0.05	19	ND	16	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
delta-BHC	NA	1.7	NA	0.05	19	ND	16	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
gamma-BHC (Lindane)	520	2	0.2	0.05	19	ND	16	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Heptachlor	150	2.1	0.4	0.05	0.23	ND	0.20	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Aldrin	40	2	0.04	0.05	0.21	ND	0.18	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Heptachlor epoxide	NA	2.1	0.2	0.05	0.21	ND	0.18	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Endosulfan I		2.1	0.4	0.05	0.26	ND	0.22	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Dieldrin	42	3.3	0.03	0.10	4.34		3.79		0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
4,4'-DDE	2000	4.2	0.1	0.10	86.03	D	73.67	D	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Endrin	17000	3.6	2	0.10	13	J	7.9	J	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Endosulfan II		3.3	0.4	0.10	0.25	ND	0.21	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
4,4'-DDD	3000	4.2	0.1	0.10	92.53	D	76.54	D	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Endosulfan sulfate	NA	3.6	0.4	0.10	0.30	ND	0.25	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
4,4'-DDT	2000	3.6	0.1	0.10	91.20	D	117.18	D	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Methoxychlor	280000	17	40	0.50	37	ND	32	ND	0.0001	ND	0.0001	ND	0.0001	ND	0.0001	ND	0.0001	ND	0.0001	ND	0.0001	ND
Endrin ketone	NA	3.3	NA	0.10	19	ND	16	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Endrin aldehyde	NA	3.3	NA	0.10	19	ND	16	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
alpha-Chlordane	500	1.7	NA	0.05	8.54		7.41		0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
gamma-Chlordane	NA	1.7	0.5	0.05	5.7	J	3.7	J	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Toxaphene	100	170	3	5.00	750	ND	650	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND
Arochlor-1016 **		33		1.00	37	ND	32	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Arochlor-1221 **		67		2.00	37	ND	32	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Arochlor-1232 **		33		1.00	37	ND	32	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Arochlor-1242 **		33		1.00	37	ND	32	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Arochlor-1248 **		33		1.00	440		290		0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Arochlor-1254 **		33		1.00	290		160		0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Arochlor-1260 **		33		1.00	37	ND	32	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Total Arochlor(SUM)	490		0.5																			

** Reported as units = ppm

Table 9 Metals	Action Level		Action Level		Unamended Sediment (Units: ppm)		Amended Sediment (Units: ppm)		MEP Extracts Units:ppm													
ASI ID #	Soil		Leachate		20031390		20031396		MEP Day 1		MEP Day 2		MEP Day 3		MEP Day 4		MEP Day 5		MEP Day 6		MEP Day 7	
STL ID #	mg/Kg	*	mg/L	*	Comp E	Q	A Comp E	Q	1 Comp E	Q	2 Comp E	Q	3 Comp E	Q	4 Comp E	Q	5 Comp E	Q	6 Comp E	Q	7 Comp E	Q
Aluminum	NA	40	0.2	200	14600		15400		0.66		1.5		2.3		2.0		1.8		[illegible]	J	[illegible]	
Antimony	14	12	0.02	60	1.1	ND	0.97	ND	0.0055	B J	0.01	ND	0.01	ND	0.01	ND	0.0038	B	0.0059	B	0.0046	B
Arsenic	20	2	0.008	10	[illegible]		[illegible]		0.0031	B	0.0037	B	0.0037	B	0.0028	B	0.0037	B	0.005	B	0.0054	B
Barium	700	40	2	200	253		223		0.13	B J	0.05	B J	0.031	B J	0.032	B J	0.02	B	0.026	B	0.03	B
Beryllium	1	1	0.02	5	1		0.92		0.004	ND	0.00097	B J	0.0014	B J	0.002	B	0.004	ND	0.00092	B J	0.0011	B J
Cadmium	1	1	0.004	5	[illegible]		[illegible]		0.005	ND	0.00057	B	0.005	ND	0.005	ND	0.005	ND	0.0004	B	0.005	ND
Calcium	NA	1000	NA	5000	6360	E	69300	E	278		153	J	117	J	93.2	J	64.8		56.2		48.7	J
Chromium	NA	2	0.1	10	235		230		0.031		0.062		0.071		0.071		0.047		0.034		0.027	
Cobalt	NA	10	NA	50	10.9	E	9.5		0.0025	B	0.00099	B	0.00097	B	0.00062	B	0.005	ND	0.00093	B	0.05	ND
Copper	600	5	1	25	388		310		0.26		0.095		0.078		0.067		0.057		0.053		0.047	
Iron	NA	20	0.3	1000	29400		26000	E	0.043	B	0.02	B	0.1	ND	0.1	ND	0.1	ND	0.096	B J	0.1	ND
Lead	400	0.6	0.01	3	273		223		0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND
Magnesium	NA	1000	NA	5000	7950		9760		0.024	B	0.048	B	0.049	B	0.049	B	0.061	B	0.094	B	0.11	B
Manganese	NA	3	0.05	15	406		488	E	0.015	ND	0.00022	B	0.0002	B	0.015	ND	0.00017	B	0.00083	B J	0.00027	B
Mercury	14	0.1	0.002	0.2	7.2		5.4		0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND
Nickel	250	8	0.1	40	63.4		62.1		0.054		0.012	B	0.0065	B	0.005	B	0.0035	B	0.0038	B	0.0026	B
Potassium	NA	1000	NA	5000	3220		4170		44.9		6.1	J	2	B	1.2	B	0.86	B	0.65	B	0.53	B
Selenium	63	1	0.05	5	1.8		1.2		0.0043	B	0.0052		0.0044	B	0.0037	B J	0.004	B	0.0029	B	0.005	ND
Silver	110	2	NA	10	5.97		4.95		0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.00058	B	0.005	ND
Sodium	NA	1000	50	5,000	9270		7870		107		18.5		8		6.5		5.9		6.9		6.1	
Thallium	2	2	0.01	10	1.1	ND	0.97	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.0049	B	0.01	ND	0.01	ND
Vanadium	370	10	NA	50	45.6		47.5		0.0057	B	0.013	B	0.02	B	0.028	B	0.032	B	0.035	B	0.035	B
Zinc	1500	4	5	20	497		425		0.0027	B J	0.0029	B J	0.004	B	0.02	ND	0.0023	B	0.021		0.002	B
Cyanide, total	1100	0.5	0.2	10	1.1	ND	0.39	B														
%Solids					42.86		51.7															

Table 9 Dioxins	Action Level		Action Level		Unamended Sediment (Units:ppt)		Amended Sediment (Units:ppt)		MEP Extracts Units:pg/L													
ASI ID #	Soil		Leachate		20031390		20031396		MEP Day 1		MEP Day 2		MEP Day 3		MEP Day 4		MEP Day 5		MEP Day 6		MEP Day 7	
STL ID #	ug/kg		ug/L		Comp E	Q	A Comp E	Q	1 Comp E	Q	2 Comp E	Q	3 Comp E	Q	4 Comp E	Q	5 Comp E	Q	6 Comp E	Q	7 Comp E	Q
2,3,7,8-TCDD					52.73		47.56		3.1	ND											3.8	ND
1,2,3,7,8-PeCDD					5.72		5.01		1.8	ND											1.7	ND
1,2,3,4,7,8-HxCDD					4.99		4.38		2.1	ND											1.7	ND
1,2,3,6,7,8-HxCDD					33.23		33.92		2.5	ND											1.9	ND
1,2,3,7,8,9-HxCDD					22.38		20.80		2.2	ND											1.8	ND
1,2,3,4,6,7,8-HpCDD					617.3		683.1		4.1	ND											2	ND
OCDD					6382		6793		12	Q B J											1.8	ND
2,3,7,8-TCDF					27.50	#	23.84	#	2.7	ND											3.3	ND
1,2,3,7,8-PeCDF					16.67		15.16		1.6	ND											1.5	ND
2,3,4,7,8-PeCDF					24.42		21.02		1.3	ND											1.2	ND
1,2,3,4,7,8-HxCDF					95.56		85.33		1.5	ND											1.2	ND
1,2,3,6,7,8-HxCDF					28.28		23.48		1.4	ND											1.1	ND
2,3,4,6,7,8-HxCDF					19.64		17.25		1.6	ND											1.3	ND
1,2,3,7,8,9-HxCDF					1.30	J	1.34		2	ND											1.6	ND
1,2,3,4,6,7,8-HpCDF					397.3		157.7		2.4	ND											1.6	ND
1,2,3,4,7,8,9-HpCDF					22.81		8.67		3.1	ND											2	ND
OCDF					700.6		620.1		5.2	ND											2.3	ND

NA

* = NJDEP Required detection limit

= value from 2nd column confirmation

ND = Not detected

B = Indicates analyte detected in method blank as well as associated field sample

J = Detection limit below the reporting limit or is an estimated value

E = Estimated value

Table 10 Volatiles	Action Level		Action Level		Unamended Sediment (Units: ppb)		Amended Sediment (Units: ppb)		MEP Extracts Units:													
ASI ID #	Soil		Leachate		20031253		20031255		MEP Day 1		MEP Day 2		MEP Day 3		MEP Day 4		MEP Day 5		MEP Day 6		MEP Day 7	
STL ID #	ug/kg	*	ug/L	*	Comp F	Q	A Comp F	Q	1 Comp F	Q	2 Comp F	Q	3 Comp F	Q	4 Comp F	Q	5 Comp F	Q	6 Comp F	Q	7 Comp F	Q
Chloromethane (Methyl Chloride)	520000	10	30	10	12	ND	10	ND														
Bromomethane	79000	10	10	10	12	ND	10	ND														
Vinyl chloride	2000	10	5	10	12	ND	10	ND														
Chloroethane	NA	10	NA	10	12	ND	10	ND														
Methylene chloride (Dichloromethane)	49000	10	3	10	12	ND	10	ND														
Acetone	1,000,000	10	700	10	24		71															
Carbon disulfide	NA	10	NA	10	3.8	J	7	J														
1,1-Dichloroethene	8000	10	2	10	12	ND	10	ND														
1,1-Dichloroethane	570000	10	50	10	12	ND	10	ND														
1,2-Dichloroethene (total)	NA	10	10	10	12	ND	10	ND														
Chloroform	19000	10	6	10	12	ND	10	ND														
1,2-Dichloroethane	NA	10	NA	10	12	ND	10	ND														
2-Butanone (MEK)	1000000	10	300	10	7.9	J	17															
1,1,1-Trichloroethane	210000	10	30	10	12	ND	10	ND														
Carbon tetrachloride	2000	10	2	10	12	ND	10	ND														
Bromodichloromethane	11000	10	1	10	12	ND	10	ND														
1,2-Dichloropropane	10000	10	1	10	12	ND	10	ND														
cis-1,3-Dichloropropene	NA	10	NA	10	12	ND	10	ND														
Trichloroethene	23000	10	1	10	12	ND	10	ND														
Dibromochloromethane	110000	10	10	10	12	ND	10	ND														
1,1,2-Trichloroethane	22000	10	3	10	12	ND	10	ND														
Benzene	3000	10	1	10	4.4	J	1.5	J														
trans-1,3-dichloropropene	NA	10	NA	10	12	ND	10	ND														
Bromoform	86000	10	4	10	12	ND	10	ND														
4-Methyl-2-pentanone (MIBK)	1000000	10	400	10	12	ND	10	ND														
2-Hexanone	NA	10	NA	10	12	ND	10	ND														
Tetrachloroethene	4000	10	1	10	12	ND	10	ND														
1,1,2,2-Tetrachloroethane	NA	10	NA	10	12	ND	10	ND														
Toluene	1000000	10	1000	10	12	ND	10	ND														
Chlorobenzene	37000	10	50	10	12	ND	10	ND														
Ethyl benzene	1000000	10	700	10	0.99	J	10	ND														
Styrene	23000	10	100	10	12	ND	10	ND														
Xylenes(Total)	410000	10	1000	10	9.3	J	6.3	J														

Table 10 Semivolatiles	Action Level		Action Level		Unamended Sediment (Units: ppb)		Amended Sediment (Units: ppb)		MEP Extracts Units:ppm													
ASI ID #	Soil		Leachate		20031253		20031255		MEP Day 1		MEP Day 2		MEP Day 3		MEP Day 4		MEP Day 5		MEP Day 6		MEP Day 7	
STL ID #	ug/kg	*	ug/L	*	Comp F	Q	A Comp F	Q	1 Comp F	Q	2 Comp F	Q	3 Comp F	Q	4 Comp F	Q	5 Comp F	Q	6 Comp F	Q	7 Comp F	Q
Phenol	10,000,000	660	4,000	10	1900	ND	1400	ND	0.0014	J	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
bis(2-Chloroethyl)ether	660	660	10	10	1900	ND	1400	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2-Chlorophenol	2000	660	5	10	1900	ND	1400	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
1,3-Dichlorobenzene	5100000	660	600	10	1900	ND	1400	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
1,4-Dichlorobenzene	570000	660	75	10	269.65		211.95		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
1,2-Dichlorobenzene	5100000	660	600	10	1900	ND	1400	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2-Methylphenol	2800000	660	NA	10	1900	ND	1400	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
1-Chloropropane-2,2'-oxybis	2300000	660	300	10	1900	ND	1400	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
4-Methylphenol	2800000	660	NA	10	1900	ND	1400	ND	0.0024	J	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
N-Nitroso-Di-N-Propylamine	660	660	20	10	1900	ND	1400	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Hexachloroethane	6000	660	10	10	1900	ND	1400	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Nitrobenzene	28000	660	10	10	1900	ND	1400	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Isophorone	1100000	660	100	10	1900	ND	1400	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2-Nitrophenol	NA	660	NA	10	1900	ND	1400	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2,4-Dimethylphenol	1100000	660	100	10	1900	ND	1400	ND	0.0015	J	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
bis(2-Chloroethoxy)methane	NA	660	NA	10	1900	ND	1400	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2,4-Dichlorophenol	170000	660	20	10	1900	ND	1400	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
1,2,4-Trichlorobenzene	68000	660	9	10	1900	ND	1400	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Naphthalene	230000	660	300	10	612.53		443.83		0.001	J	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
4-Chloroaniline	230000	1300	NA	20	370	J	240	J	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Hexachloro-1,3-butadiene	NA	660	NA	10	1900	ND	1400	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
4-Chloro-3-methylphenol	10,000,000	1300	NA	20	1900	ND	1400	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2-Methylnaphthalene	NA	660	NA	10	320	J	1400	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Hexachlorocyclopentadiene	400000	660	50	10	3800	ND	2700	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
2,4,6-Trichlorophenol	62000	660	20	10	1900	ND	1400	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2,4,5-Trichlorophenol	5600000	660	700	10	1900	ND	1400	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2-Chloronaphthalene	NA	660	NA	10	1900	ND	1400	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2-Nitroaniline	NA	3,300	NA	50	9200	ND	6600	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
Dimethylphthalate	10,000,000	660	NA	10	1900	ND	1400	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Acenaphthylene	NA	660	NA	10	224.83		158.63		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2,6-Dinitrotoluene	1000	660	10	10	1900	ND	1400	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
3-Nitroaniline	NA	3300	NA	50	9200	ND	6600	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND

Table 10 Semivolatiles continued	Action Level		Action Level		Unamended Sediment (Units: ppb)		Amended Sediment (Units: ppb)		MEP Extracts Units:ppm													
ASI ID #	Soil		Leachate		20031253		20031255		MEP Day 1		MEP Day 2		MEP Day 3		MEP Day 4		MEP Day 5		MEP Day 6		MEP Day 7	
STL ID #	ug/kg	*	ug/L	*	Comp F	Q	A Comp F	Q	1 Comp F	Q	2 Comp F	Q	3 Comp F	Q	4 Comp F	Q	5 Comp F	Q	6 Comp F	Q	7 Comp F	Q
Acenaphthene	3400000	660	400	10	334.51		237.49		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2,4-Dinitrophenol	110000	3300	40	50	9200	ND	6600	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
4-Nitrophenol	NA	3300	NA	50	9200	ND	6600	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
Dibenzofuran	NA	660	NA	10	1900	ND	1400	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2,4-Dinitrotoluene	1000	660	10	10	1900	ND	1400	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Diethylphthalate	10,000,000	660	5,000	10	1900	ND	1400	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
4-Chlorophenyl-phenylether	NA	660	NA	10	1900	ND	1400	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Fluorene	2300000	660	300	10	343.88		242.91		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
4-Nitroaniline	NA	830	NA	20	4800	ND	3400	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND
4,6-Dinitro-2-methylphenol	NA	3300	NA	50	9200	ND	6600	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
N-Nitrosodiphenylamine	140000	660	20	10	1900	ND	1400	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
4-Bromophenyl-phenylether	NA	660	NA	10	1900	ND	1400	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Hexachlorobenzene	660	660	10	10	1900	ND	1400	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Pentachlorophenol	6000	3300	1	50	9200	ND	6600	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
Phenanthrene	NA	6600	NA	10	1669.33	D	1056.75		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Anthracene	10000000	6600	2000	10	1107.43	D	822.31		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Carbazole	NA	330	NA	10	1900	ND	1400	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Di-n-butylphthalate	5700000	330	900	10	1900	ND	1400	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Fluoranthene	2300000	660	300	10	3754.28	D	2465.52	D	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Pyrene	1700000	660	200	10	4131.96	D	2744.05	D	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Butylbenzylphthalate	1100000	660	100	10	1900	ND	1400	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
3,3'-Dichlorobenzidine	2000	1300	60	20	7500	ND	5300	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND
Benzo(a)anthracene	900	660	NA	10	[illegible]	D	[illegible]		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Chrysene	9000	660	NA	10	2400.01	D	1557.66	D	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
bis(2-Ethylhexyl)phthalate	49000	660	30	10	16000	E	5800		0.0095	J	0.023		0.018		0.005	J	0.0063	J	0.011		0.0051	J
Di-n-octylphthalate	1100000	660	100	10	180	J	1400	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Benzo(b)fluoranthene	900	660	NA	10	[illegible]	D	[illegible]		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Benzo(k)fluoranthene	900	660	NA	10	[illegible]		839.83		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Benzo(a)pyrene	660	660	NA	10	[illegible]	D	[illegible]		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Indeno(1,2,3-cd)pyrene	900	660	NA	10	[illegible]		623.69		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Dibenzo(a,h))anthracene	660	660	NA	10	273.19		187.53		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Benzo(ghi)perylene	NA	660	NA	10	929.19		651.18		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND

Table 10 Pesticides/Arochlors	Action Level		Action Level		Unamended Sediment (Units: ppb)		Amended Sediment (Units: ppb)		MEP Extracts Units:ppm													
ASI ID #	Soil		Leachate		20031253		20031255		MEP Day 1		MEP Day 2		MEP Day 3		MEP Day 4		MEP Day 5		MEP Day 6		MEP Day 7	
STL ID #	ug/kg	*	ug/L	*	Comp F	Q	A Comp F	Q	1 Comp F	Q	2 Comp F	Q	3 Comp F	Q	4 Comp F	Q	5 Comp F	Q	6 Comp F	Q	7 Comp F	Q
alpha-BHC	NA	1.9	0.02	0.05	9.8	ND	8.7	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
beta-BHC	NA	3.3	0.2	0.05	9.8	ND	8.7	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
delta-BHC	NA	1.7	NA	0.05	22	PG	8.7	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
gamma-BHC (Lindane)	520	2	0.2	0.05	9.8	ND	8.7	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Heptachlor	150	2.1	0.4	0.05	0.23	ND	0.20	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Aldrin	40	2	0.04	0.05	0.21	ND	0.18	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Heptachlor epoxide	NA	2.1	0.2	0.05	0.21	ND	0.18	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Endosulfan I		2.1	0.4	0.05	0.25	ND	0.22	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Dieldrin	42	3.3	0.03	0.10	5.15		4.55		0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
4,4'-DDE	2000	4.2	0.1	0.10	401.66	D	238.78	D	0.00005	ND	0.000021	J PG	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Endrin	17000	3.6	2	0.10	15		2.4	J PG	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Endosulfan II		3.3	0.4	0.10	0.24	ND	0.21	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
4,4'-DDD	3000	4.2	0.1	0.10	349.63	D	145.04	D	0.000018	J PG	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Endosulfan sulfate	NA	3.6	0.4	0.10	0.29	ND	0.26	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
4,4'-DDT	2000	3.6	0.1	0.10	619.20	D	233.82	D	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Methoxychlor	280000	17	40	0.50	19	ND	17	ND	0.0001	ND	0.0001	ND	0.0001	ND	0.0001	ND	0.0001	ND	0.0001	ND	0.0001	ND
Endrin ketone	NA	3.3	NA	0.10	6.1	J PG	8.7	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Endrin aldehyde	NA	3.3	NA	0.10	9.8	ND	8.7	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
alpha-Chlordane	500	1.7	NA	0.05	8.96		7.07		0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
gamma-Chlordane	NA	1.7	0.5	0.05	20	PG	4.9	J PG	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Toxaphene	100	170	3	5.00	390	ND	340	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND
Arochlor-1016 **		33		1.00	190	ND	170	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Arochlor-1221 **		67		2.00	190	ND	170	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Arochlor-1232 **		33		1.00	190	ND	170	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Arochlor-1242 **		33		1.00	190	ND	170	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Arochlor-1248 **		33		1.00	1000		370		0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Arochlor-1254 **		33		1.00	190	ND	170	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Arochlor-1260 **		33		1.00	420		150	J	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Total Arochlor(SUM)	490		0.5																			

** Reported as units = ppm

Table 10 Metals	Action Level		Action Level		Unamended Sediment (Units: ppm)		Amended Sediment (Units: ppm)		MEP Extracts Units:ppm													
ASI ID #	Soil		Leachate		20031253		20031255		MEP Day 1		MEP Day 2		MEP Day 3		MEP Day 4		MEP Day 5		MEP Day 6		MEP Day 7	
STL ID #	mg/Kg	*	mg/L	*	Comp F	Q	A Comp F	Q	1 Comp F	Q	2 Comp F	Q	3 Comp F	Q	4 Comp F	Q	5 Comp F	Q	6 Comp.F	Q	7 Comp F	Q
Aluminum	NA	40	0.2	200	13500	E	10100	E	0.058		0.05		0.079	J	0.058	J	0.05	J	0.41		0.05	
Antimony	14	12	0.02	60	1.2	ND	1	ND	0.01	ND	0.01	ND	0.0036	B	0.0047	B J	0.0032	B	0.0048	B	0.006	B
Arsenic	20	2	0.008	10	0.53		0.31		0.006	B	0.0032	B	0.0059	B	0.0076	B	0.0076	B	0.0042		0.003	
Barium	700	40	2	200	409	E	248	E	0.17	B	0.093	B	0.051	B	0.031	B J	0.027	B	0.029	B J	0.025	B J
Beryllium	1	1	0.02	5	1		0.71		0.00075	B J	0.0008	B J	0.00056	B J	0.00069	B J	0.004	ND	0.00036	B J	0.00035	B J
Cadmium	1	1	0.004	5	0.75		0.24		0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND
Calcium	NA	1000	NA	5000	6010	NE	42700	NE	315		133	J	104		74.7		58	J	50.2		40.3	J
Chromium	NA	2	0.1	10	314		295		0.013		0.063		0.082		0.062	J	0.041		0.03		0.022	
Cobalt	NA	10	NA	50	10.5	E	6.9	E	0.00098	B	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
Copper	600	5	1	25	540		443		0.045		0.081		0.07		0.062		0.057		0.052		0.038	
Iron	NA	20	0.3	1000	26100	E	17300	E	0.028	B	0.1	ND	0.019	B	0.1	ND	0.1	ND	0.1	ND	0.1	ND
Lead	400	0.6	0.01	3	372		305		0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND
Magnesium	NA	1000	NA	5000	6750	E	6150	E	5	ND	5	ND	5	ND	5	ND	5	ND	0.051	B	0.094	B
Manganese	NA	3	0.05	15	337	E	319	E	0.015	ND	0.015	ND	0.015	ND	0.00041	B	0.015	ND	0.016	ND	0.00022	B
Mercury	14	0.1	0.002	0.2	8.90		7.61		0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND
Nickel	250	8	0.1	40	59.5		56.1		0.03	B	0.0086	B	0.0047	B	0.0033	B	0.0034	B	0.0025	B	0.0018	B
Potassium	NA	1000	NA	5000	2700		2290		38.1		4.9	B	1.7	B	1.1	B	0.77	B	0.76	B	0.51	B
Selenium	63	1	0.05	5	3.2	N	1.7	N	0.0055		0.0053		0.0046	B	0.003	B	0.0041	B	0.0032	B	0.003	B
Silver	110	2	NA	10	6.57		5.64		0.005	ND	0.005	ND	0.005	ND	0.001	B J	0.005	ND	0.005	ND	0.005	ND
Sodium	NA	1000	50	5,000	7880	E	4680	E	185		21.3		6.9		5		5.5		5.2		5.9	
Thallium	2	2	0.01	10	0.65	B	0.43	B	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Vanadium	370	10	NA	50	42.7	E	31.4	E	0.0052	B	0.019	B	0.038	B	0.046	B	0.047	B	0.045	B	0.04	B
Zinc	1500	4	5	20	711		608		0.0022	B J	0.006	B	0.0014	B J	0.02	ND	0.0085	B	0.02	ND	0.025	J
Cyanide, total	1100	0.5	0.2	10	69.6		1.9															
%Solids					43.95		50.56															

Table 10 Dioxins	Action Level		Action Level		Unamended Sediment (Units:ppt)		Amended Sediment (Units:ppt)		MEP Extracts Units:pg/L													
ASI ID #	Soil		Leachate		20031253		20031255		MEP Day 1		MEP Day 2		MEP Day 3		MEP Day 4		MEP Day 5		MEP Day 6		MEP Day 7	
STL ID #	ug/kg		ug/L		Comp F	Q	A Comp F	Q	1 Comp F	Q	2 Comp F	Q	3 Comp F	Q	4 Comp F	Q	5 Comp F	Q	6 Comp F	Q	7 Comp F	Q
2,3,7,8-TCDD					78.11		59.06		2.5	ND											2.1	ND
1,2,3,7,8-PeCDD					7.78		5.95		1.3	ND											1.4	ND
1,2,3,4,7,8-HxCDD					6.18		5.79		1.5	ND											1.6	ND
1,2,3,6,7,8-HxCDD					43.11		42.44		1.6	ND											1.7	ND
1,2,3,7,8,9-HxCDD					27.22		24.30		1.5	ND											1.6	ND
1,2,3,4,6,7,8-HpCDD					927.49		938.31		1.5	ND											1.4	ND
OCDD					9979.70		10504.29		1.2	ND											2.6	B J
2,3,7,8-TCDF					39.08	#	31.19	#	2.4	ND											2	ND
1,2,3,7,8-PeCDF					23.90		20.66		1.3	ND											1.3	ND
2,3,4,7,8-PeCDF					32.79		30.32		0.99	ND											1	ND
1,2,3,4,7,8-HxCDF					136.68		125.42		0.98	ND											0.96	ND
1,2,3,6,7,8-HxCDF					39.61		37.70		1	ND											1.1	ND
2,3,4,6,7,8-HxCDF					25.96		24.85		1.1	ND											1.1	ND
1,2,3,7,8,9-HxCDF					1.75	J	1.83	J	1.4	ND											1.4	ND
1,2,3,4,6,7,8-HpCDF					633.17		522.73		1.1	ND											1.1	ND
1,2,3,4,7,8,9-HpCDF					37.41		30.17		1.3	ND											1.3	ND
OCDF					1151.03		966.67		1.2	ND											1.1	ND

NA

* = NJDEP Required detection limit

= value from 2nd column confirmation

ND = Not detected

B = Indicates analyte detected in method blank as well as associated field sample

J = Detection limit below the reporting limit or is an estimated value

E = Estimated value

Table 11 Volatiles	Action Level		Action Level		Unamended Sediment (Units: ppb)		Amended Sediment (Units: ppb)		MEP Extracts Units:													
ASI ID #	Soil		Leachate		20031235		20031237		MEP Day 1		MEP Day 2		MEP Day 3		MEP Day 4		MEP Day 5		MEP Day 6		MEP Day 7	
STL ID #	ug/kg	*	ug/L	*	Comp G	Q	A Comp G	Q	1 Comp G	Q	2 Comp G	Q	3 Comp G	Q	4 Comp G	Q	5 Comp G	Q	6 Comp G	Q	7 Comp G	Q
Chloromethane (Methyl Chloride)	520000	10	30	10	11	ND	9.6	ND														
Bromomethane	79000	10	10	10	11	ND	9.6	ND														
Vinyl chloride	2000	10	5	10	11	ND	9.6	ND														
Chloroethane	NA	10	NA	10	11	ND	9.6	ND														
Methylene chloride (Dichloromethane)	49000	10	3	10	11	ND	9.6	ND														
Acetone	1,000,000	10	700	10	29		84															
Carbon disulfide	NA	10	NA	10	11	ND	50															
1,1-Dichloroethene	8000	10	2	10	11	ND	9.6	ND														
1,1-Dichloroethane	570000	10	50	10	11	ND	9.6	ND														
1,2-Dichloroethene (total)	NA	10	10	10	11	ND	9.6	ND														
Chloroform	19000	10	6	10	11	ND	9.6	ND														
1,2-Dichloroethane	NA	10	NA	10	11	ND	9.6	ND														
2-Butanone (MEK)	1000000	10	300	10	6	J	22															
1,1,1-Trichloroethane	210000	10	30	10	11	ND	9.6	ND														
Carbon tetrachloride	2000	10	2	10	11	ND	9.6	ND														
Bromodichloromethane	11000	10	1	10	11	ND	9.6	ND														
1,2-Dichloropropane	10000	10	1	10	11	ND	9.6	ND														
cis-1,3-Dichloropropene	NA	10	NA	10	11	ND	9.6	ND														
Trichloroethene	23000	10	1	10	11	ND	9.6	ND														
Dibromochloromethane	110000	10	10	10	11	ND	9.6	ND														
1,1,2-Trichloroethane	22000	10	3	10	11	ND	9.6	ND														
Benzene	3000	10	1	10	2.2	J	3.3	J														
trans-1,3-dichloropropene	NA	10	NA	10	11	ND	9.6	ND														
Bromoform	86000	10	4	10	11	ND	9.6	ND														
4-Methyl-2-pentanone (MIBK)	1000000	10	400	10	11	ND	9.6	ND														
2-Hexanone	NA	10	NA	10	11	ND	9.6	ND														
Tetrachloroethene	4000	10	1	10	11	ND	9.6	ND														
1,1,2,2-Tetrachloroethane	NA	10	NA	10	11	ND	9.6	ND														
Toluene	1000000	10	1000	10	11	ND	9.6	ND														
Chlorobenzene	37000	10	50	10	11	ND	1	J														
Ethyl benzene	1000000	10	700	10	1.2	J	1.5	J														
Styrene	23000	10	100	10	11	ND	9.6	ND														
Xylenes(Total)	410000	10	1000	10	9.9	J	12															

Table 11 Semivolatiles	Action Level		Action Level		Unamended Sediment (Units: ppb)		Amended Sediment (Units: ppb)		MEP Extracts Units:ppm													
ASI ID #	Soil		Leachate		20031235		20031237		MEP Day 1		MEP Day 2		MEP Day 3		MEP Day 4		MEP Day 5		MEP Day 6		MEP Day 7	
STL ID #	ug/kg	*	ug/L	*	Comp G	Q	A Comp G	Q	1 Comp G	Q	2 Comp G	Q	3 Comp G	Q	4 Comp G	Q	5 Comp G	Q	6 Comp G	Q	7 Comp G	Q
Phenol	10,000,000	660	4,000	10	1800	ND	1300	ND	0.0014	J	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
bis(2-Chloroethyl)ether	660	660	10	10	1800	ND	1300	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2-Chlorophenol	2000	660	5	10	1800	ND	1300	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
1,3-Dichlorobenzene	5100000	660	600	10	1800	ND	1300	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
1,4-Dichlorobenzene	570000	660	75	10	276.61		250.34		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
1,2-Dichlorobenzene	5100000	660	600	10	1800	ND	1300	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2-Methylphenol	2800000	660	NA	10	1800	ND	1300	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
1-Chloropropane-2,2'-oxybis	2300000	660	300	10	1800	ND	1300	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
4-Methylphenol	2800000	660	NA	10	1800	ND	1300	ND	0.0024	J	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
N-Nitroso-Di-N-Propylamine	660	660	20	10	1800	ND	1300	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Hexachloroethane	6000	660	10	10	1800	ND	1300	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Nitrobenzene	28000	660	10	10	1800	ND	1300	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Isophorone	1100000	660	100	10	1800	ND	1300	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2-Nitrophenol	NA	660	NA	10	1800	ND	1300	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2,4-Dimethylphenol	1100000	660	100	10	1800	ND	1300	ND	0.0015	J	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
bis(2-Chloroethoxy)methane	NA	660	NA	10	1800	ND	1300	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2,4-Dichlorophenol	170000	660	20	10	1800	ND	1300	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
1,2,4-Trichlorobenzene	68000	660	9	10	1800	ND	1300	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Naphthalene	230000	660	300	10	374.59		308.63		0.001	J	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
4-Chloroaniline	230000	1300	NA	20	550	J	350	J	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Hexachloro-1,3-butadiene	NA	660	NA	10	1800	ND	1300	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
4-Chloro-3-methylphenol	10,000,000	1300	NA	20	1800	ND	1300	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2-Methylnaphthalene	NA	660	NA	10	230	J	1300	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Hexachlorocyclopentadiene	400000	660	50	10	3700	ND	2500	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
2,4,6-Trichlorophenol	62000	660	20	10	1800	ND	1300	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2,4,5-Trichlorophenol	5600000	660	700	10	1800	ND	1300	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2-Chloronaphthalene	NA	660	NA	10	1800	ND	1300	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2-Nitroaniline	NA	3,300	NA	50	9000	ND	6200	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
Dimethylphthalate	10,000,000	660	NA	10	1800	ND	1300	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Acenaphthylene	NA	660	NA	10	135.01		115.23		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2,6-Dinitrotoluene	1000	660	10	10	1800	ND	1300	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
3-Nitroaniline	NA	3300	NA	50	9000	ND	6200	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND

Table 11 Semivolatiles continued	Action Level		Action Level		Unamended Sediment (Units: ppb)		Amended Sediment (Units: ppb)		MEP Extracts Units:ppm													
ASI ID #	Soil		Leachate		20031235		20031237		MEP Day 1		MEP Day 2		MEP Day 3		MEP Day 4		MEP Day 5		MEP Day 6		MEP Day 7	
STL ID #	ug/kg	*	ug/L	*	Comp G	Q	A Comp G	Q	1 Comp G	Q	2 Comp G	Q	3 Comp G	Q	4 Comp G	Q	5 Comp G	Q	6 Comp G	Q	7 Comp G	Q
Acenaphthene	3400000	660	400	10	216.81		135.75		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2,4-Dinitrophenol	110000	3300	40	50	9000	ND	6200	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
4-Nitrophenol	NA	3300	NA	50	9000	ND	6200	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
Dibenzofuran	NA	660	NA	10	1800	ND	1300	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2,4-Dinitrotoluene	1000	660	10	10	1800	ND	1300	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Diethylphthalate	10,000,000	660	5,000	10	1800	ND	1300	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
4-Chlorophenyl-phenylether	NA	660	NA	10	1800	ND	1300	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Fluorene	2300000	660	300	10	236.77		194.62		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
4-Nitroaniline	NA	830	NA	20	4600	ND	3200	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND
4,6-Dinitro-2-methylphenol	NA	3300	NA	50	9000	ND	6200	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
N-Nitrosodiphenylamine	140000	660	20	10	1800	ND	1300	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
4-Bromophenyl-phenylether	NA	660	NA	10	1800	ND	1300	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Hexachlorobenzene	660	660	10	10	1800	ND	1300	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Pentachlorophenol	6000	3300	1	50	9000	ND	6200	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
Phenanthrene	NA	6600	NA	10	1577.09	D	969.24		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Anthracene	10000000	6600	2000	10	976.56		718.2		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Carbazole	NA	330	NA	10	180	J	1300	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Di-n-butylphthalate	5700000	330	900	10	1800	ND	1300	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Fluoranthene	2300000	660	300	10	3232.53	D	2111.58	D	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Pyrene	1700000	660	200	10	3383.83	D	2267.27	D	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Butylbenzylphthalate	1100000	660	100	10	1800	ND	1300	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
3,3'-Dichlorobenzidine	2000	1300	60	20	7300	ND	5000	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Benzo(a)anthracene	900	660	NA	10	[redacted]		[redacted]		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Chrysene	9000	660	NA	10	1796.62	D	1453.78	D	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
bis(2-Ethylhexyl)phthalate	49000	660	30	10	17000	E	8100		0.006	J	[redacted]		[redacted]		0.012		0.0099	J	0.0054	J	0.0075	J
Di-n-octylphthalate	1100000	660	100	10	250	J	120	J	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Benzo(b)fluoranthene	900	660	NA	10	[redacted]		[redacted]		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Benzo(k)fluoranthene	900	660	NA	10	[redacted]		831.86		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Benzo(a)pyrene	660	660	NA	10	[redacted]	D	[redacted]		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Indeno(1,2,3-cd)pyrene	900	660	NA	10	836.97		636.76		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Dibenzo(a,h)anthracene	660	660	NA	10	218.4		175.12		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Benzo(ghi)perylene	NA	660	NA	10	820.64		641.66		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND

Table 11 Pesticides/Arochlors	Action Level		Action Level		Unamended Sediment (Units: ppb)		Amended Sediment (Units: ppb)		MEP Extracts Units:ppm													
ASI ID #	Soil		Leachate		20031235		20031237		MEP Day 1		MEP Day 2		MEP Day 3		MEP Day 4		MEP Day 5		MEP Day 6		MEP Day 7	
STL ID #	ug/kg	*	ug/L	*	Comp G	Q	A Comp G	Q	1 Comp G	Q	2 Comp G	Q	3 Comp G	Q	4 Comp G	Q	5 Comp G	Q	6 Comp G	Q	7 Comp G	Q
alpha-BHC	NA	1.9	0.02	0.05	9.5	ND	8.2	ND	0.00005	ND	0.00005	ND	0.005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
beta-BHC	NA	3.3	0.2	0.05	9.5	ND	8.2	ND	0.00005	ND	0.00005	ND	0.005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
delta-BHC	NA	1.7	NA	0.05	9.5	ND	8.2	ND	0.00005	ND	0.00005	ND	0.005	ND	0.00005	ND	0.00005	ND	0.000031	J PG	0.00005	ND
gamma-BHC (Lindane)	520	2	0.2	0.05	9.5	ND	8.2	ND	0.00005	ND	0.00005	ND	0.005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00003	J
Heptachlor	150	2.1	0.4	0.05	0.22	ND	0.20	ND	0.00005	ND	0.00005	ND	0.005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Aldrin	40	2	0.04	0.05	0.20	ND	0.18	ND	0.00005	ND	0.00005	ND	0.005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Heptachlor epoxide	NA	2.1	0.2	0.05	0.20	ND	0.19	ND	0.00005	ND	0.00005	ND	0.005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Endosulfan I		2.1	0.4	0.05	0.24	ND	0.23	ND	0.00005	ND	0.00005	ND	0.005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Dieldrin	42	3.3	0.03	0.10	6.65		5.87		0.00005	ND	0.00005	ND	0.005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
4,4'-DDE	2000	4.2	0.1	0.10	138.84	D	109.97	D	0.00005	ND	0.00005	ND	0.005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Endrin	17000	3.6	2	0.10	9.6	PG	3	J PG	0.00005	ND	0.00005	ND	0.005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Endosulfan II		3.3	0.4	0.10	0.23	ND	0.22	ND	0.00005	ND	0.00005	ND	0.005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
4,4'-DDD	3000	4.2	0.1	0.10	181.08	D	157.98	D	0.00005	ND	0.00005	ND	0.004	J PG	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Endosulfan sulfate	NA	3.6	0.4	0.10	0.28	ND	0.26	ND	0.00005	ND	0.00005	ND	0.005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
4,4'-DDT	2000	3.6	0.1	0.10	771.03	D	849.78	D	0.00005	ND	0.00005	ND	[redacted]		0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Methoxychlor	280000	17	40	0.50	18	ND	16	ND	0.0001	ND	0.0001	ND	0.01	ND	0.0001	ND	0.0001	ND	0.0001	ND	0.0001	ND
Endrin ketone	NA	3.3	NA	0.10	9.5	ND	8.2	ND	0.00005	ND	0.00005	ND	0.005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Endrin aldehyde	NA	3.3	NA	0.10	9.5	ND	8.2	ND	0.00005	ND	0.00005	ND	0.005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
alpha-Chlordane	500	1.7	NA	0.05	11.74		9.31		0.00005	ND	0.00005	ND	0.005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
gamma-Chlordane	NA	1.7	0.5	0.05	23		6.7	J PG	0.00005	ND	0.00005	ND	0.005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Toxaphene	100	170	3	5.00	380	ND	320	ND	0.002	ND	0.002	ND	0.2	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND
Arochlor-1016 **		33		1.00	150	ND	160	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Arochlor-1221 **		67		2.00	150	ND	160	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Arochlor-1232 **		33		1.00	150	ND	160	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Arochlor-1242 **		33		1.00	150	ND	160	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Arochlor-1248 **		33		1.00	1400		460		0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Arochlor-1254 **		33		1.00	930		220		0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Arochlor-1260 **		33		1.00	670		160	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Total Arochlor(SUM)	490		0.5																			

** Reported as units = ppm

Table 11 Metals	Action Level		Action Level		Unamended Sediment (Units: ppm)		Amended Sediment (Units: ppm)		MEP Extracts Units:ppm													
ASI ID #	Soil		Leachate		20031235		20031237		MEP Day 1		MEP Day 2		MEP Day 3		MEP Day 4		MEP Day 5		MEP Day 6		MEP Day 7	
STL ID #	mg/Kg	*	mg/L	*	Comp G	Q	A Comp G	Q	1 Comp G	Q	2 Comp G	Q	3 Comp G	Q	4 Comp G	Q	5 Comp G	Q	6 Comp G	Q	7 Comp G	Q
Aluminum	NA	40	0.2	200	12000	E	10200	E						J		J		J				
Antimony	14	12	0.02	60	1.1	ND	0.96	ND	0.01	ND	0.0045	B	0.0037	B	0.0042	B J	0.0042	B	0.0033	B	0.006	B
Arsenic	20	2	0.008	10					0.0042	B	0.01	ND	0.005	B	0.0051	B	0.0037	B	0.008	B	0.0077	B
Barium	700	40	2	200	324	E	217	E	0.16	B	0.084	B	0.038	B	0.026	B J	0.033	B	0.023	B J	0.019	B J
Beryllium	1	1	0.02	5	0.89		0.67		0.00083	B J	0.00064	B J	0.004	ND	0.0008	B J	0.004	ND	0.00047	B J	0.00044	B J
Cadmium	1	1	0.004	5					0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND
Calcium	NA	1000	NA	5000	5620	NE	43700	NE	307		146	J	111		77.7		58.7	J	53.2		38.1	J
Chromium	NA	2	0.1	10	304		285		0.014		0.075		0.091		0.072	J	0.047		0.037		0.024	
Cobalt	NA	10	NA	50	9.8	E	7	E	0.0016	B	0.0007	B	0.05	ND	0.05	ND	0.05	ND	0.00083	B	0.05	ND
Copper	600	5	1	25	504		427		0.027		0.083		0.07		0.06		0.051		0.053		0.035	
Iron	NA	20	0.3	1000	23700	E	17200	E	0.042	B	0.02	B	0.028	B	0.018	B	0.1	ND	0.1	ND	0.1	ND
Lead	400	0.6	0.01	3	328.0		270		0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND
Magnesium	NA	1000	NA	5000	6400	E	6240	E	5	ND	0.034	B	5	ND	5	ND	0.015	B J	0.048	B	0.069	B
Manganese	NA	3	0.05	15	303	E	310	E	0.015	ND	0.00083	B	0.00018	B J	0.015	ND	0.015	ND	0.00029	B J	0.015	ND
Mercury	14	0.1	0.002	0.2	10.1		8.56		0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.00003	B	0.0002	ND
Nickel	250	8	0.1	40	60.7		60.8		0.035	B	0.0099	B	0.0054	B	0.004	B	0.0033	B	0.0031	B	0.0023	B
Potassium	NA	1000	NA	5000	2460		2480		38.3		4.7	B	1.5	B	0.87	B	0.59	B	0.68	B	0.43	B
Selenium	63	1	0.05	5	2.5	N	1.8	N	0.0026	B	0.0046	B	0.0047	B	0.0036	B	0.004	B	0.0041	B	0.0024	B
Silver	110	2	NA	10	6.63		5.10		0.005	ND	0.005	ND	0.001	B J	0.0013	B J	0.005	ND	0.005	ND	0.005	ND
Sodium	NA	1000	50	5,000	8330	E	5230	E			21.5		5.4		5.5		5.4		5.3		4.9	B
Thallium	2	2	0.01	10	0.68	B	0.42	B	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Vanadium	370	10	NA	50	41.3	E	33.8	E	0.006	B	0.016	B	0.033	B	0.041	B	0.046	B	0.046	B	0.04	B
Zinc	1500	4	5	20	608.6		512.7		0.0023	B J	0.0089	B	0.0027	B J	0.02	ND	0.0032	B	0.064	J	0.02	ND
Cyanide, total	1100	0.5	0.2	10	126		0.7	B														
%Solids					46.5		50.7															

Table 11 Dioxins	Action Level		Action Level		Unamended Sediment (Units:ppt)		Amended Sediment (Units:ppt)		MEP Extracts Units:pg/L													
ASI ID #	Soil		Leachate		20031235		20031237		MEP Day 1		MEP Day 2		MEP Day 3		MEP Day 4		MEP Day 5		MEP Day 6		MEP Day 7	
STL ID #	ug/kg		ug/L		Comp G	Q	A Comp G	Q	1 Comp G	Q	2 Comp G	Q	3 Comp G	Q	4 Comp G	Q	5 Comp G	Q	6 Comp G	Q	7 Comp G	Q
2,3,7,8-TCDD					82.98		80.95		3	ND											2.7	ND
1,2,3,7,8-PeCDD					6.49	J	7.07		1.6	ND											1.9	ND
1,2,3,4,7,8-HxCDD					6.35		5.40		1.9	ND											2	ND
1,2,3,6,7,8-HxCDD					42.99		41.27		2.1	ND											2.2	ND
1,2,3,7,8,9-HxCDD					31.04		25.38		1.9	ND											2.1	ND
1,2,3,4,6,7,8-HpCDD					1170		958		1.6	ND											2.1	ND
OCDD					11843		12540		2.8	B J											2.3	ND
2,3,7,8-TCDF					37.11	#	37.07	#	2.9	ND											2.8	ND
1,2,3,7,8-PeCDF					23.56		19.64		1.6	ND											1.7	ND
2,3,4,7,8-PeCDF					32.83		27.08		1.3	ND											1.4	ND
1,2,3,4,7,8-HxCDF					108.03		100.48		1.1	ND											1.3	ND
1,2,3,6,7,8-HxCDF					34.12		28.96		1.1	ND											1.3	ND
2,3,4,6,7,8-HxCDF					24.53		20.54		1.3	ND											1.5	ND
1,2,3,7,8,9-HxCDF					2.72	J	2.03	J	1.5	ND											1.8	ND
1,2,3,4,6,7,8-HpCDF					439.71		422.74		1.4	ND											1.5	ND
1,2,3,4,7,8,9-HpCDF					26.80		25.48		1.6	ND											1.9	ND
OCDF					1002.83		872.32		1.8	ND											2.2	ND

NA

* = NJDEP Required detection limit

\# = value from 2nd column confirmation

ND = Not detected

B = Indicates analyte detected in method blank as well as associated field sample

J = Detection limit below the reporting limit or is an estimated value

E = Estimated value

Table 12 Volatiles	Action Level		Action Level		Unamended Sediment (Units: ppb)		Amended Sediment (Units: ppb)		MEP Extracts Units:													
ASI ID #	Soil		Leachate		20031402		20031406		MEP Day 1		MEP Day 2		MEP Day 3		MEP Day 4		MEP Day 5		MEP Day 6		MEP Day 7	
STL ID #	ug/kg	*	ug/L	*	Comp H	Q	A Comp H	Q	1 Comp H	Q	2 Comp H	Q	3 Comp H	Q	4 Comp H	Q	5 Comp H	Q	6 Comp H	Q	7 Comp H	Q
Chloromethane (Methyl Chloride)	520000	10	30	10	12	ND	10	ND														
Bromomethane	79000	10	10	10	12	ND	10	ND														
Vinyl chloride	2000	10	5	10	12	ND	10	ND														
Chloroethane	NA	10	NA	10	12	ND	10	ND														
Methylene chloride (Dichloromethane)	49000	10	3	10	12	ND	10	ND														
Acetone	1,000,000	10	700	10	120		350															
Carbon disulfide	NA	10	NA	10	12		9.7	J														
1,1-Dichloroethene	8000	10	2	10	12	ND	10	ND														
1,1-Dichloroethane	570000	10	50	10	12	ND	10	ND														
1,2-Dichloroethene (total)	NA	10	10	10	12	ND	10	ND														
Chloroform	19000	10	6	10	12	ND	10	ND														
1,2-Dichloroethane	NA	10	NA	10	12	ND	10	ND														
2-Butanone (MEK)	1000000	10	300	10	40		96															
1,1,1-Trichloroethane	210000	10	30	10	12	ND	10	ND														
Carbon tetrachloride	2000	10	2	10	12	ND	10	ND														
Bromodichloromethane	11000	10	1	10	12	ND	10	ND														
1,2-Dichloropropane	10000	10	1	10	12	ND	10	ND														
cis-1,3-Dichloropropene	NA	10	NA	10	12	ND	10	ND														
Trichloroethene	23000	10	1	10	12	ND	10	ND														
Dibromochloromethane	110000	10	10	10	12	ND	10	ND														
1,1,2-Trichloroethane	22000	10	3	10	12	ND	10	ND														
Benzene	3000	10	1	10	13		5.6	J														
trans-1,3-dichloropropene	NA	10	NA	10	12	ND	10	ND														
Bromoform	86000	10	4	10	12	ND	10	ND														
4-Methyl-2-pentanone (MIBK)	1000000	10	400	10	12	ND	10	ND														
2-Hexanone	NA	10	NA	10	12	ND	10	ND														
Tetrachloroethene	4000	10	1	10	12	ND	10	ND														
1,1,2,2-Tetrachloroethane	NA	10	NA	10	12	ND	10	ND														
Toluene	1000000	10	1000	10	3.5	J	1.7	J														
Chlorobenzene	37000	10	50	10	3.4	J	1.4	J														
Ethyl benzene	1000000	10	700	10	16		5.3	J														
Styrene	23000	10	100	10	12	ND	10	ND														
Xylenes(Total)	410000	10	1000	10	77		27															

Table 12 Semivolatiles	Action Level		Action Level		Unamended Sediment (Units: ppb)		Amended Sediment (Units: ppb)		MEP Extracts Units:ppm													
ASI ID #	Soil		Leachate		20031402		20031406		MEP Day 1		MEP Day 2		MEP Day 3		MEP Day 4		MEP Day 5		MEP Day 6		MEP Day 7	
STL ID #	ug/kg	*	ug/L	*	Comp H	Q	A Comp H	Q	1 Comp H	Q	2 Comp H	Q	3 Comp H	Q	4 Comp H	Q	5 Comp H	Q	6 Comp H	Q	V6	Q
Phenol	10,000,000	660	4,000	10	760	ND	660	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
bis(2-Chloroethyl)ether	660	660	10	10	760	ND	660	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2-Chlorophenol	2000	660	5	10	760	ND	660	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
1,3-Dichlorobenzene	5100000	660	600	10	760	ND	660	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
1,4-Dichlorobenzene	570000	660	75	10	289.2		230.68		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
1,2-Dichlorobenzene	5100000	660	600	10	760	ND	660	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2-Methylphenol	2800000	660	NA	10	760	ND	660	ND	0.0011	J	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
1-Chloropropane-2,2'-oxybis	2300000	660	300	10	760	ND	660	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
4-Methylphenol	2800000	660	NA	10	760	ND	660	ND	0.0047	J	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
N-Nitroso-Di-N-Propylamine	660	660	20	10	760	ND	660	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Hexachloroethane	6000	660	10	10	760	ND	660	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Nitrobenzene	28000	660	10	10	760	ND	660	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Isophorone	1100000	660	100	10	760	ND	660	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2-Nitrophenol	NA	660	NA	10	760	ND	660	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2,4-Dimethylphenol	1100000	660	100	10	760	ND	660	ND	0.0028	J	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
bis(2-Chloroethoxy)methane	NA	660	NA	10	760	ND	660	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2,4-Dichlorophenol	170000	660	20	10	760	ND	660	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
1,2,4-Trichlorobenzene	68000	660	9	10	760	ND	660	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Naphthalene	230000	660	300	10	479.96		401.93		0.0015	J	0.00094	J	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
4-Chloroaniline	230000	1300	NA	20	140	J	220	J	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Hexachloro-1,3-butadiene	NA	660	NA	10	760	ND	660	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
4-Chloro-3-methylphenol	10,000,000	1300	NA	20	760	ND	660	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2-Methylnaphthalene	NA	660	NA	10	81	J	78	J	0.001	J	0.001	J	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Hexachlorocyclopentadiene	400000	660	50	10	1500	ND	1300	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
2,4,6-Trichlorophenol	62000	660	20	10	760	ND	660	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2,4,5-Trichlorophenol	5600000	660	700	10	760	ND	660	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2-Chloronaphthalene	NA	660	NA	10	760	ND	660	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2-Nitroaniline	NA	3,300	NA	50	3700	ND	3200	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
Dimethylphthalate	10,000,000	660	NA	10	760	ND	660	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Acenaphthylene	NA	660	NA	10	185.69		201.37		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2,6-Dinitrotoluene	1000	660	10	10	760	ND	660	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
3-Nitroaniline	NA	3300	NA	50	3700	ND	3200	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND

Table 12 Semivolatiles continued	Action Level		Action Level		Unamended Sediment (Units: ppb)		Amended Sediment (Units: ppb)		MEP Extracts Units:ppm													
ASI ID #	Soil		Leachate		20031402		20031406		MEP Day 1		MEP Day 2		MEP Day 3		MEP Day 4		MEP Day 5		MEP Day 6		MEP Day 7	
STL ID #	ug/kg	*	ug/L	*	Comp H	Q	A Comp H	Q	1 Comp H	Q	2 Comp H	Q	3 Comp H	Q	4 Comp H	Q	5 Comp H	Q	6 Comp H	Q	7 Comp H	Q
Acenaphthene	3400000	660	400	10	313.46		304.67		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2,4-Dinitrophenol	110000	3300	40	50	3700	ND	3200	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
4-Nitrophenol	NA	3300	NA	50	3700	ND	3200	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
Dibenzofuran	NA	660	NA	10	760	ND	660	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2,4-Dinitrotoluene	1000	660	10	10	760	ND	660	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Diethylphthalate	10,000,000	660	5,000	10	760	ND	660	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
4-Chlorophenyl-phenylether	NA	660	NA	10	760	ND	660	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Fluorene	2300000	660	300	10	468.46		438.94		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
4-Nitroaniline	NA	830	NA	20	1900	ND	1700	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND
4,6-Dinitro-2-methylphenol	NA	3300	NA	50	3700	ND	3200	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
N-Nitrosodiphenylamine	140000	660	20	10	760	ND	660	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
4-Bromophenyl-phenylether	NA	660	NA	10	760	ND	660	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Hexachlorobenzene	660	660	10	10	760	ND	660	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Pentachlorophenol	6000	3300	1	50	3700	ND	3200	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
Phenanthrene	NA	6600	NA	10	2008.55		1949.36		0.00075	J	0.00072	J	0.01	ND	0.00074	J	0.01	ND	0.00085	J	0.01	ND
Anthracene	10000000	6600	2000	10	1314.48		1293.35		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Carbazole	NA	330	NA	10	760	ND	660	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Di-n-butylphthalate	5700000	330	900	10	760	ND	660	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.00051	J	0.01	ND
Fluoranthene	2300000	660	300	10	2999.75	D	2614	D	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Pyrene	1700000	660	200	10	3290.6	D	2857.66	D	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Butylbenzylphthalate	1100000	660	100	10	760	ND	660	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
3,3'-Dichlorobenzidine	2000	1300	60	20	3000	ND	2600	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND
Benzo(a)anthracene	900	660	NA	10	[illegible]		[illegible]		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Chrysene	9000	660	NA	10	1730.37		1596.46		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
bis(2-Ethylhexyl)phthalate	49000	660	30	10	6200		6500		0.011		0.0059	J B	0.01		0.0014	J B	0.0042	J	0.0013	J	0.01	ND
Di-n-octylphthalate	1100000	660	100	10	760	ND	660	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Benzo(b)fluoranthene	900	660	NA	10	[illegible]		[illegible]		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Benzo(k)fluoranthene	900	660	NA	10	[illegible]		[illegible]		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Benzo(a)pyrene	660	660	NA	10	[illegible]		[illegible]		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Indeno(1,2,3-cd)pyrene	900	660	NA	10	804.46		768.52		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Dibenzo(a,h)anthracene	660	660	NA	10	213.85		211.57		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Benzo(ghi)perylene	NA	660	NA	10	692.53		636.41		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND

Table 12 Pesticides/Arochlors	Action Level		Action Level		Unamended Sediment (Units: ppb)		Amended Sediment (Units: ppb)		MEP Extracts Units:ppm													
ASI ID #	Soil		Leachate		20031402		20031406		MEP Day 1		MEP Day 2		MEP Day 3		MEP Day 4		MEP Day 5		MEP Day 6		MEP Day 7	
STL ID #	ug/kg	*	ug/L	*	Comp H	Q	A Comp H	Q	1 Comp H	Q	2 Comp H	Q	3 Comp H	Q	4 Comp H	Q	5 Comp H	Q	6 Comp H	Q	7 Comp H	Q
alpha-BHC	NA	1.9	0.02	0.05	20	ND	17	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
beta-BHC	NA	3.3	0.2	0.05	20	ND	17	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
delta-BHC	NA	1.7	NA	0.05	20	ND	17	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
gamma-BHC (Lindane)	520	2	0.2	0.05	20	ND	17	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Heptachlor	150	2.1	0.4	0.05	0.24	ND	0.21	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Aldrin	40	2	0.04	0.05	0.22	ND	0.19	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Heptachlor epoxide	NA	2.1	0.2	0.05	0.22	ND	0.19	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Endosulfan I		2.1	0.4	0.05	0.27	ND	0.23	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Dieldrin	42	3.3	0.03	0.10	6.26		5.11		0.000071		0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
4,4'-DDE	2000	4.2	0.1	0.10	246.72	D	226.91	D	0.000045	J	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Endrin	17000	3.6	2	0.10	20	ND	14	J	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Endosulfan II		3.3	0.4	0.10	0.26	ND	0.22	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
4,4'-DDD	3000	4.2	0.1	0.10	163.79	D	133.32	D	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Endosulfan sulfate	NA	3.6	0.4	0.10	0.30	ND	0.26	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
4,4'-DDT	2000	3.6	0.1	0.10	145.89	D	166.65	D	0.000024	J PG	0.00005	ND	0.00005	ND	0.00005	ND	0.000033	J PG	0.00005	ND	0.000036	J PG
Methoxychlor	280000	17	40	0.50	38	ND	33	ND	0.0001	ND	0.0001	ND	0.0001	ND	0.0001	ND	0.0001	ND	0.0001	ND	0.0001	ND
Endrin ketone	NA	3.3	NA	0.10	20	ND	17	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Endrin aldehyde	NA	3.3	NA	0.10	20	ND	17	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
alpha-Chlordane	500	1.7	NA	0.05	10.00		8.41		0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
gamma-Chlordane	NA	1.7	0.5	0.05	8.8	J	6	J	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Toxaphene	100	170	3	5.00	770	ND	670	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND
Arochlor-1016 **		33		1.00	38	ND	33	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Arochlor-1221 **		67		2.00	38	ND	33	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Arochlor-1232 **		33		1.00	38	ND	33	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Arochlor-1242 **		33		1.00	38	ND	33	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Arochlor-1248 **		33		1.00	630		570		0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Arochlor-1254 **		33		1.00	38	ND	380		0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Arochlor-1260 **		33		1.00	38	ND	33	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Total Arochlor(SUM)	490		0.5																			

** Reported as units = ppm

Table 12 Metals	Action Level		Action Level		Unamended Sediment (Units: ppm)		Amended Sediment (Units: ppm)		MEP Extracts Units:ppm													
ASI ID #	Soil		Leachate		20031402		20031406		MEP Day 1		MEP Day 2		MEP Day 3		MEP Day 4		MEP Day 5		MEP Day 6		MEP Day 7	
STL ID #	mg/Kg	*	mg/L	*	Comp H	Q	A Comp H	Q	1 Comp H	Q	2 Comp H	Q	3 Comp H	Q	4 Comp H	Q	5 Comp H	Q	6 Comp H	Q	7 Comp H	Q
Aluminum	NA	40	0.2	200	14900		14300		0.89		13		17		13		0.89		0.86	J	0.87	
Antimony	14	12	0.02	60	1.2	ND	1	ND	0.0048	B J	0.01	ND	0.01	ND	0.01	ND	0.0062	B	0.005	B	0.005	B
Arsenic	20	2	0.008	10	55.07		43.63		0.005	B	0.0038	B	0.0054	B	0.0062	B	0.006	B	0.0086	B	0.01	
Barium	700	40	2	200	412		335		0.18	B J	0.056	B J	0.047	B J	0.035	B J	0.029	B	0.058	B	0.027	B
Beryllium	1	1	0.02	5	1.1		0.88		0.004	ND	0.001	B J	0.0014	B J	0.00083	B	0.004	ND	0.00083	B J	0.001	B J
Cadmium	1	1	0.004	5	1.16		0.7		0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND
Calcium	NA	1000	NA	5000	6110	E	55800	E	285		148	J	109	J	91.4	J	61.3		54.2		49.1	J
Chromium	NA	2	0.1	10	359		328		0.021		0.072		0.083		0.076		0.045		0.036		0.034	
Cobalt	NA	10	NA	50	11.9	E	9.6		0.0025	B	0.00094	B	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
Copper	600	5	1	25	610		493		0.14		0.11		0.094		0.092		0.072		0.066		0.062	
Iron	NA	20	0.3	1000	30500		24900	E	0.034	B	0.1	ND	0.1	ND	0.1	ND	0.1	ND	0.064	B J	0.1	ND
Lead	400	0.6	0.01	3	410		324		0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND
Magnesium	NA	1000	NA	5000	7920		8930		0.014	B	0.03	B	0.046	B	0.045	B	0.049	B	0.079	B	0.1	B
Manganese	NA	3	0.05	15	377		430	E	0.015	ND	0.015	ND	0.015	ND	0.015	ND	0.015	ND	0.00037	B J	0.015	ND
Mercury	14	0.1	0.002	0.2	11.6		9.31		0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.000033	B	0.0002	ND	0.0002	ND
Nickel	250	8	0.1	40	73.9		69.7		0.06		0.015	B	0.0074	B	0.006	B	0.0036	B	0.0034	B	0.003	B
Potassium	NA	1000	NA	5000	3190		3720		42.8		5.9	J	1.7	B	1.1	B	0.77	B	0.62	B	0.52	B
Selenium	63	1	0.05	5	2.9		2.1		0.0055		0.0079		0.006		0.0058	J	0.0036	B	0.0028	B	0.0036	B
Silver	110	2	NA	10	7.96		6.21		0.005	ND	0.005	ND	0.00071	B	0.005	ND	0.005	ND	0.005	ND	0.005	ND
Sodium	NA	1000	50	5,000	9410		7300		28.1		18.6		12.7		5.7		6.2		6.2		8.4	
Thallium	2	2	0.01	10	1.2	ND	1	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Vanadium	370	10	NA	50	51.3		48.1		0.0074	B	0.021	B	0.032	B	0.043	B	0.043	B	0.044	B	0.044	B
Zinc	1500	4	5	20	748		618		0.0032	B J	0.0041	B J	0.0027	B	0.0018	B	0.0016	B	0.02		0.0021	B
Cyanide, total	1100	0.5	0.2	10	0.93	B	0.85	B														
%Solids					41.7		49.8															

Table 12 Dioxins	Action Level		Action Level		Unamended Sediment (Units:ppt)		Amended Sediment (Units:ppt)		MEP Extracts Units:pg/L													
ASI ID #	Soil		Leachate		20031402		20031406		MEP Day 1		MEP Day 2		MEP Day 3		MEP Day 4		MEP Day 5		MEP Day 6		MEP Day 7	
STL ID #	ug/kg		ug/L		Comp H	Q	A Comp H	Q	1 Comp H	Q	2 Comp H	Q	3 Comp H	Q	4 Comp H	Q	5 Comp H	Q	6 Comp H	Q	7 Comp H	Q
2,3,7,8-TCDD					169.73		162.50		7.1	ND											5.7	ND
1,2,3,7,8-PeCDD					8.60	J	5.37	J	4.7	ND											2.5	ND
1,2,3,4,7,8-HxCDD					6.37	J	5.58		4.9	ND											2.4	ND
1,2,3,6,7,8-HxCDD					53.50		46.12		5.4	ND											2.7	ND
1,2,3,7,8,9-HxCDD					32.00		26.41		5	ND											2.4	ND
1,2,3,4,6,7,8-HpCDD					937.53		1177.29		6.9	ND											3.3	ND
OCDD					10561.13		13247.18		11	ND											3.3	ND
2,3,7,8-TCDF					189.73	ND#	128.80	ND#	6.5	ND											4.1	ND
1,2,3,7,8-PeCDF					11.30		8.21		3.8	ND											2.2	ND
2,3,4,7,8-PeCDF					32.54		29.70		3.2	ND											1.7	ND
1,2,3,4,7,8-HxCDF					250.52		196.43		2.8	ND											1.6	ND
1,2,3,6,7,8-HxCDF					40.84		24.70		3.1	ND											1.6	ND
2,3,4,6,7,8-HxCDF					27.97	J	15.48	J	3.5	ND											1.6	ND
1,2,3,7,8,9-HxCDF					4.63	J	2.06	J	4.2	ND											2.2	ND
1,2,3,4,6,7,8-HpCDF					660.58		528.15		5.2	ND											1.9	ND
1,2,3,4,7,8,9-HpCDF					39.50		33.09		6.6	ND											2.7	ND
OCDF					1102.09		893.62		9.2	ND											3.1	ND

NA

* = NJDEP Required detection limit

= value from 2nd column confirmation

ND = Not detected

B = Indicates analyte detected in method blank as well as associated field sample

J = Detection limit below the reporting limit or is an estimated value

E = Estimated value

Table 13 Volatiles	Action Level		Action Level		Unamended Sediment (Units: ppb)		Amended Sediment (Units: ppb)		MEP Extracts Units:													
ASI ID #	Soil		Leachate		20031236		20031238		MEP Day 1		MEP Day 2		MEP Day 3		MEP Day 4		MEP Day 5		MEP Day 6		MEP Day 7	
STL ID #	ug/kg	*	ug/L	*	Comp I	Q	A Comp I	Q	1 Comp I	Q	2 Comp I	Q	3 Comp I	Q	4 Comp I	Q	5 Comp I	Q	6 Comp I	Q	7 Comp I	Q
Chloromethane (Methyl Chloride)	520000	10	30	10	7.9	ND	9.3	ND														
Bromomethane	79000	10	10	10	7.9	ND	9.3	ND														
Vinyl chloride	2000	10	5	10	7.9	ND	9.3	ND														
Chloroethane	NA	10	NA	10	7.9	ND	9.3	ND														
Methylene chloride (Dichloromethane)	49000	10	3	10	7.9	ND	9.3	ND														
Acetone	1,000,000	10	700	10	21		110															
Carbon disulfide	NA	10	NA	10	3.9	J	110															
1,1-Dichloroethene	8000	10	2	10	7.9	ND	9.3	ND														
1,1-Dichloroethane	570000	10	50	10	7.9	ND	9.3	ND														
1,2-Dichloroethene (total)	NA	10	10	10	7.9	ND	9.3	ND														
Chloroform	19000	10	6	10	7.9	ND	9.3	ND														
1,2-Dichloroethane	NA	10	NA	10	7.9	ND	9.3	ND														
2-Butanone (MEK)	1000000	10	300	10	6.3	J	26															
1,1,1-Trichloroethane	210000	10	30	10	7.9	ND	9.3	ND														
Carbon tetrachloride	2000	10	2	10	7.9	ND	9.3	ND														
Bromodichloromethane	11000	10	1	10	7.9	ND	9.3	ND														
1,2-Dichloropropane	10000	10	1	10	7.9	ND	9.3	ND														
cis-1,3-Dichloropropene	NA	10	NA	10	7.9	ND	9.3	ND														
Trichloroethene	23000	10	1	10	7.9	ND	9.3	ND														
Dibromochloromethane	110000	10	10	10	7.9	ND	9.3	ND														
1,1,2-Trichloroethane	22000	10	3	10	7.9	ND	9.3	ND														
Benzene	3000	10	1	10	0.85	J	9.3	ND														
trans-1,3-dichloropropene	NA	10	NA	10	7.9	ND	9.3	ND														
Bromoform	86000	10	4	10	7.9	ND	9.3	ND														
4-Methyl-2-pentanone (MIBK)	1000000	10	400	10	7.9	ND	9.3	ND														
2-Hexanone	NA	10	NA	10	7.9	ND	9.3	ND														
Tetrachloroethene	4000	10	1	10	7.9	ND	9.3	ND														
1,1,2,2-Tetrachloroethane	NA	10	NA	10	7.9	ND	9.3	ND														
Toluene	1000000	10	1000	10	7.9	ND	9.3	ND														
Chlorobenzene	37000	10	50	10	7.9	ND	9.3	ND														
Ethyl benzene	1000000	10	700	10	7.9	ND	9.3	ND														
Styrene	23000	10	100	10	7.9	ND	9.3	ND														
Xylenes(Total)	410000	10	1000	10	3.6	J	4.7	J														

Table 13 Semivolatiles	Action Level		Action Level		Unamended Sediment (Units: ppb)		Amended Sediment (Units: ppb)		MEP Extracts Units:ppm													
ASI ID #	Soil		Leachate		20031236		20031238		MEP Day 1		MEP Day 2		MEP Day 3		MEP Day 4		MEP Day 5		MEP Day 6		MEP Day 7	
STL ID #	ug/kg	*	ug/L	*	Comp I	Q	A Comp I	Q	1 Comp I	Q	2 Comp I	Q	3 Comp I	Q	4 Comp I	Q	5 Comp I	Q	6 Comp I	Q	7 Comp I	Q
Phenol	10,000,000	660	4,000	10	1300	ND	610	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
bis(2-Chloroethyl)ether	660	660	10	10	1300	ND	610	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2-Chlorophenol	2000	660	5	10	1300	ND	610	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
1,3-Dichlorobenzene	5100000	660	600	10	1300	ND	610	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
1,4-Dichlorobenzene	570000	660	75	10	134		88.09		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
1,2-Dichlorobenzene	5100000	660	600	10	1300	ND	610	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2-Methylphenol	2800000	660	NA	10	1300	ND	610	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
1-Chloropropane-2,2'-oxybis	2300000	660	300	10	1300	ND	610	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
4-Methylphenol	2800000	660	NA	10	1300	ND	610	ND	0.0018	J	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
N-Nitroso-Di-N-Propylamine	660	660	20	10	1300	ND	610	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Hexachloroethane	6000	660	10	10	1300	ND	610	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Nitrobenzene	28000	660	10	10	1300	ND	610	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Isophorone	1100000	660	100	10	1300	ND	610	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2-Nitrophenol	NA	660	NA	10	1300	ND	610	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2,4-Dimethylphenol	1100000	660	100	10	1300	ND	610	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
bis(2-Chloroethoxy)methane	NA	660	NA	10	1300	ND	610	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2,4-Dichlorophenol	170000	660	20	10	1300	ND	610	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
1,2,4-Trichlorobenzene	68000	660	9	10	1300	ND	610	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Naphthalene	230000	660	300	10	430.01		305.45		0.00085	J	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
4-Chloroaniline	230000	1300	NA	20	250	J	120	J	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Hexachloro-1,3-butadiene	NA	660	NA	10	1300	ND	610	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
4-Chloro-3-methylphenol	10,000,000	1300	NA	20	1300	ND	610	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2-Methylnaphthalene	NA	660	NA	10	150	J	610	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Hexachlorocyclopentadiene	400000	660	50	10	2600	ND	1200	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
2,4,6-Trichlorophenol	62000	660	20	10	1300	ND	610	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2,4,5-Trichlorophenol	5600000	660	700	10	1300	ND	610	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2-Chloronaphthalene	NA	660	NA	10	1300	ND	610	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2-Nitroaniline	NA	3,300	NA	50	6300	ND	3000	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
Dimethylphthalate	10,000,000	660	NA	10	1300	ND	610	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Acenaphthylene	NA	660	NA	10	154		146.9		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2,6-Dinitrotoluene	1000	660	10	10	1300	ND	610	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
3-Nitroaniline	NA	3300	NA	50	6300	ND	3000	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND

Table 13 Semivolatiles continued	Action Level		Action Level		Unamended Sediment (Units: ppb)		Amended Sediment (Units: ppb)		MEP Extracts Units:ppm													
ASI ID #	Soil		Leachate		20031236		20031238		MEP Day 1		MEP Day 2		MEP Day 3		MEP Day 4		MEP Day 5		MEP Day 6		MEP Day 7	
STL ID #	ug/kg	*	ug/L	*	Comp I	Q	A Comp I	Q	1 Comp I	Q	2 Comp I	Q	3 Comp I	Q	4 Comp I	Q	5 Comp I	Q	6 Comp I	Q	7 Comp I	Q
Acenaphthene	3400000	660	400	10	144.7		94.08		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2,4-Dinitrophenol	110000	3300	40	50	6300	ND	3000	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
4-Nitrophenol	NA	3300	NA	50	6300	ND	3000	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
Dibenzofuran	NA	660	NA	10	1300	ND	610	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2,4-Dinitrotoluene	1000	660	10	10	1300	ND	610	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Diethylphthalate	10,000,000	660	5,000	10	1300	ND	610	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
4-Chlorophenyl-phenylether	NA	660	NA	10	1300	ND	610	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Fluorene	2300000	660	300	10	173.61		113.81		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
4-Nitroaniline	NA	830	NA	20	3300	ND	1500	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND
4,6-Dinitro-2-methylphenol	NA	3300	NA	50	6300	ND	3000	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
N-Nitrosodiphenylamine	140000	660	20	10	1300	ND	610	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
4-Bromophenyl-phenylether	NA	660	NA	10	1300	ND	610	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Hexachlorobenzene	660	660	10	10	1300	ND	610	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Pentachlorophenol	6000	3300	1	50	6300	ND	3000	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
Phenanthrene	NA	6600	NA	10	923.09		578.02		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Anthracene	10000000	6600	2000	10	710.07		488.58		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Carbazole	NA	330	NA	10	1300	ND	610	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Di-n-butylphthalate	5700000	330	900	10	1300	ND	610	ND	0.01	ND	0.001	J	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Fluoranthene	2300000	660	300	10	2921.74	D	2086.87	D	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Pyrene	1700000	660	200	10	3191.36	D	2322.56	D	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Butylbenzylphthalate	1100000	660	100	10	1300	ND	610	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
3,3'-Dichlorobenzidine	2000	1300	60	20	5200	ND	2400	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND
Benzo(a)anthracene	900	660	NA	10	1530.6	D	1075.46		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Chrysene	9000	660	NA	10	1864.82	D	1384.68	D	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
bis(2-Ethylhexyl)phthalate	49000	660	30	10	5100		2100		0.0077	J	0.011		0.015		0.0088	J	0.0085	J	0.009	J	0.018	
Di-n-octylphthalate	1100000	660	100	10	110	J	610		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Benzo(b)fluoranthene	900	660	NA	10	1289.22		860.29		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Benzo(k)fluoranthene	900	660	NA	10	1123.53		752.35		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Benzo(a)pyrene	660	660	NA	10	1481.08	D	1131.04	D	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Indeno(1,2,3-cd)pyrene	900	660	NA	10	857.12		653.62		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Dibenzo(a,h)anthracene	660	660	NA	10	242.11		187.73		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Benzo(ghi)perylene	NA	660	NA	10	818.97		653.95		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND

Table 13 Pesticides/Arochlors	Action Level		Action Level		Unamended Sediment (Units: ppb)		Amended Sediment (Units: ppb)		MEP Extracts Units:ppm													
ASI ID #	Soil		Leachate		20031236		20031238		MEP Day 1		MEP Day 2		MEP Day 3		MEP Day 4		MEP Day 5		MEP Day 6		MEP Day 7	
STL ID #	ug/kg	*	ug/L	*	Comp I	Q	A Comp I	Q	1 Comp I	Q	2 Comp I	Q	3 Comp I	Q	4 Comp I	Q	5 Comp I	Q	6 Comp I	Q	7 Comp I	Q
alpha-BHC	NA	1.9	0.02	0.05	6.7	ND	7.9	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
beta-BHC	NA	3.3	0.2	0.05	6.7	ND	7.9	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
delta-BHC	NA	1.7	NA	0.05	6.7	ND	7.9	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.000019	J PG	0.00005	ND
gamma-BHC (Lindane)	520	2	0.2	0.05	6.7	ND	7.9	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Heptachlor	150	2.1	0.4	0.05	0.22	ND	0.19	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Aldrin	40	2	0.04	0.05	0.20	ND	0.17	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Heptachlor epoxide	NA	2.1	0.2	0.05	0.20	ND	0.17	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Endosulfan I		2.1	0.4	0.05	0.24	ND	0.21	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Dieldrin	42	3.3	0.03	0.10	4.29		4.05		0.00005	ND	0.000019	J PG	0.00002	J PG	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
4,4'-DDE	2000	4.2	0.1	0.10	1173.98	D	844.48	D	0.00005	ND	0.00005	ND	0.000022	J PG	0.000017	J PG	0.00005	ND	0.00005	ND	0.00005	ND
Endrin	17000	3.6	2	0.10	1.8	J PG	1.4	J PG	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Endosulfan II		3.3	0.4	0.10	0.23	ND	0.20	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
4,4'-DDD	3000	4.2	0.1	0.10	851.31	D	628.08	D	0.00005	ND	0.00005	ND	0.000054	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Endosulfan sulfate	NA	3.6	0.4	0.10	0.28	ND	0.24	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
4,4'-DDT	2000	3.6	0.1	0.10	1228.81	D	429.09	D	0.00005	ND	0.00005	ND	0.00029	PG	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Methoxychlor	280000	17	40	0.50	33	PG	15	ND	0.0001	ND	0.0001	ND	0.0001	ND	0.0001	ND	0.0001	ND	0.0001	ND	0.0001	ND
Endrin ketone	NA	3.3	NA	0.10	2	J PG	7.9	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Endrin aldehyde	NA	3.3	NA	0.10	6.7	ND	7.9	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
alpha-Chlordane	500	1.7	NA	0.05	6.77		5.18		0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
gamma-Chlordane	NA	1.7	0.5	0.05	9.5		13	PG	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Toxaphene	100	170	3	5.00	270	ND	310	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND
Arochlor-1016 **		33		1.00	130	ND	150	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Arochlor-1221 **		67		2.00	130	ND	150	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Arochlor-1232 **		33		1.00	130	ND	150	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Arochlor-1242 **		33		1.00	260		150	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Arochlor-1248 **		33		1.00	300		220		0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Arochlor-1254 **		33		1.00	130	ND	150	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Arochlor-1260 **		33		1.00	140		110	J	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Total Arochlor(SUM)	490		0.5																			

** Reported as units = ppm

Table 13 Metals	Action Level		Action Level		Unamended Sediment (Units: ppm)		Amended Sediment (Units: ppm)		MEP Extracts Units:ppm													
ASI ID #	Soil		Leachate		20031236		20031238		MEP Day 1		MEP Day 2		MEP Day 3		MEP Day 4		MEP Day 5		MEP Day 6		MEP Day 7	
STL ID #	mg/Kg	*	mg/L	*	Comp I	Q	A Comp I	Q	1 Comp I	Q	2 Comp I	Q	3 Comp I	Q	4 Comp I	Q	5 Comp I	Q	6 Comp I	Q	7 Comp I	Q
Aluminum	NA	40	0.2	200	9100	E	10100	E	0.84		[illegible]		1.2	J	0.036	J	0.6	J	0.06		0.43	
Antimony	14	12	0.02	60	0.95	ND	0.44	BN	0.01	ND	0.01	ND	0.0034	B	0.0044	B J	0.01	ND	0.0051	B	0.0049	B
Arsenic	20	2	0.008	10	26.4		40.5		0.0041	B	0.01	ND	0.0061	B	0.0066	B	0.0073	B	0.01		0.01	
Barium	700	40	2	200	234	E	192	E	0.15	B	0.14	B	0.036	B	0.029	B J	0.018	B	0.019	B J	0.016	B J
Beryllium	1	1	0.02	5	0.71		0.68		0.0008	B J	0.00066	B J	0.00048	B J	0.00054	B J	0.0004	B	0.00037	B J	0.00039	B J
Cadmium	1	1	0.004	5	4.06		4.72		0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND
Calcium	NA	1000	NA	5000	4950	NE	42900	NE	308		139	J	107		78.2		56.3	J	51.3		37.9	J
Chromium	NA	2	0.1	10	195		222		0.0079		0.058		0.072		0.058	J	0.034		0.025		0.016	
Cobalt	NA	10	NA	50	7.4	E	7.1	E	0.00085	B	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
Copper	600	5	1	25	339		300		0.069		0.064		0.052		0.048		0.04		0.039		0.027	
Iron	NA	20	0.3	1000	23200	E	17300	E	0.032	B	0.018	B	0.1	ND	0.1	ND	0.021	B J	0.1	ND	0.1	ND
Lead	400	0.6	0.01	3	268		225		0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND
Magnesium	NA	1000	NA	5000	5140	E	6470	E	5	ND	0.027	B	5	ND	5	ND	0.015	B J	0.05	B	0.075	B
Manganese	NA	3	0.05	15	277	E	347	E	0.015	ND	0.00037	B	0.015	ND	0.015	ND	0.015	ND	0.00031	B J	0.015	ND
Mercury	14	0.1	0.002	0.2	5.45		5.08		0.0002	ND	0.0002	ND	0.000027	B	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND
Nickel	250	8	0.1	40	50.8		55.9		0.024	B	0.0059	B	0.0036	B	0.0024	B	0.002	B	0.0016	B	0.0017	B
Potassium	NA	1000	NA	5000	1940		2580		38.3		4.9	B	1.6	B	0.92	B	0.59	B	0.54	B	0.39	B
Selenium	63	1	0.05	5	2.1	N	1.6	N	0.0032	B	0.0043	B	0.0027	B	0.0028	B	0.0023	B	0.005	ND	0.005	ND
Silver	110	2	NA	10	4.21		3.91		0.005	ND	0.005	ND	0.005	ND	0.00073	B J	0.005	ND	0.005	ND	0.005	ND
Sodium	NA	1000	50	5,000	5700	E	4760	E	42.2		36.4		5.6		4.6	B	5		5.2		6.1	
Thallium	2	2	0.01	10	0.64	B	0.93	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Vanadium	370	10	NA	50	28.1	E	30.2	E	0.0043	B	0.012	B	0.027	B	0.036	B	0.038	B	0.038	B	0.036	B
Zinc	1500	4	5	20	443		412		0.0032	B J	0.0061	B	0.0019	B J	0.029		0.003	B	0.0018	B J	0.02	ND
Cyanide, total	1100	0.5	0.2	10	77.8		0.89	B														
%Solids					46.8		54.4															

Table 13 Dioxins	Action Level		Action Level		Unamended Sediment (Units:ppt)		Amended Sediment (Units:ppt)		MEP Extracts Units:pg/L													
ASI ID #	Soil		Leachate		20031236		20031238		MEP Day		MEP Day 2		MEP Day 3		MEP Day 4		MEP Day 5		MEP Day 6		MEP Day 7	
STL ID #	ug/kg		ug/L		Comp I	Q	A Comp I	Q	1 Comp I	Q	2 Comp I	Q	3 Comp I	Q	4 Comp I	Q	5 Comp I	Q	6 Comp I	Q	7 Comp I	Q
2,3,7,8-TCDD					34.31		27.38		2	ND											2.4	ND
1,2,3,7,8-PeCDD					4.14		3.09		1.2	ND											1.6	ND
1,2,3,4,7,8-HxCDD					4.62		2.79		1.3	ND											1.8	ND
1,2,3,6,7,8-HxCDD					21.68		16.20		1.4	ND											2	ND
1,2,3,7,8,9-HxCDD					17.12		11.54		1.3	ND											1.8	ND
1,2,3,4,6,7,8-HpCDD					537.76		433.47		1.2	ND											1.6	ND
OCDD					5376.22		5456.11		2.9	Q B J											2.6	B J
2,3,7,8-TCDF					26.33	#	17.05	#	2	ND											2.5	ND
1,2,3,7,8-PeCDF					12.48		9.77		1.1	ND											1.5	ND
2,3,4,7,8-PeCDF					14.58		11.51		0.92	ND											1.2	ND
1,2,3,4,7,8-HxCDF					57.50		49.36		0.85	ND											1	ND
1,2,3,6,7,8-HxCDF					18.34		15.62		0.84	ND											1.1	ND
2,3,4,6,7,8-HxCDF					12.49		10.25		0.93	ND											1.2	ND
1,2,3,7,8,9-HxCDF					1.25	J	0.94	J	1.1	ND											1.5	ND
1,2,3,4,6,7,8-HpCDF					267.46		211.37		0.98	ND											1.4	ND
1,2,3,4,7,8,9-HpCDF					13.68		11.99		0.96	J											1.6	ND
OCDF					411.81		341.71		1.1	ND											1.6	ND

NA

* = NJDEP Required detection limit

= value from 2nd column confirmation

ND = Not detected

B = Indicates analyte detected in method blank as well as associated field sample

J = Detection limit below the reporting limit or is an estimated value

E = Estimated value

Table 14 Volatiles	Action Level		Action Level		Unamended Sediment (Units:ppb)		Amended Sediment (Units:ppb)		MEP Extracts Units:													
ASI ID #	Soil		Leachate		20031391		20031397		MEP Day 1		MEP Day 2		MEP Day 3		MEP Day 4		MEP Day 5		MEP Day 6		MEP Day 7	
STL ID #	ug/kg	*	ug/L	*	Comp J	Q	A Comp J	Q	1 Comp J	Q	2 Comp J	Q	3 Comp J	Q	4 Comp J	Q	5 Comp J	Q	6 Comp J	Q	7 Comp J	Q
Chloromethane (Methyl Chloride)	520000	10	30	10	7.5	ND	7.4	ND														
Bromomethane	79000	10	10	10	7.5	ND	7.4	ND														
Vinyl chloride	2000	10	5	10	7.5	ND	7.4	ND														
Chloroethane	NA	10	NA	10	7.5	ND	7.4	ND														
Methylene chloride (Dichloromethane)	49000	10	3	10	7.5	ND	7.4	ND														
Acetone	1,000,000	10	700	10	15	ND	36															
Carbon disulfide	NA	10	NA	10	7.5	ND	4.3	J														
1,1-Dichloroethene	8000	10	2	10	7.5	ND	7.4	ND														
1,1-Dichloroethane	570000	10	50	10	7.5	ND	7.4	ND														
1,2-Dichloroethene (total)	NA	10	10	10	7.5	ND	7.4	ND														
Chloroform	19000	10	6	10	7.5	ND	7.4	ND														
1,2-Dichloroethane	NA	10	NA	10	7.5	ND	7.4	ND														
2-Butanone (MEK)	1000000	10	300	10	7.5	ND	8															
1,1,1-Trichloroethane	210000	10	30	10	7.5	ND	7.4	ND														
Carbon tetrachloride	2000	10	2	10	7.5	ND	7.4	ND														
Bromodichloromethane	11000	10	1	10	7.5	ND	7.4	ND														
1,2-Dichloropropane	10000	10	1	10	7.5	ND	7.4	ND														
cis-1,3-Dichloropropene	NA	10	NA	10	7.5	ND	7.4	ND														
Trichloroethene	23000	10	1	10	7.5	ND	7.4	ND														
Dibromochloromethane	110000	10	10	10	7.5	ND	7.4	ND														
1,1,2-Trichloroethane	22000	10	3	10	7.5	ND	7.4	ND														
Benzene	3000	10	1	10	1	J	1.6	J														
trans-1,3-dichloropropene	NA	10	NA	10	7.5	ND	7.4	ND														
Bromoform	86000	10	4	10	7.5	ND	7.4	ND														
4-Methyl-2-pentanone (MIBK)	1000000	10	400	10	7.5	ND	7.4	ND														
2-Hexanone	NA	10	NA	10	7.5	ND	7.4	ND														
Tetrachloroethene	4000	10	1	10	7.5	ND	7.4	ND														
1,1,2,2-Tetrachloroethane	NA	10	NA	10	7.5	ND	7.4	ND														
Toluene	1000000	10	1000	10	7.5	ND	0.8	J														
Chlorobenzene	37000	10	50	10	7.5	ND	7.4	ND														
Ethyl benzene	1000000	10	700	10	7.5	ND	7.4	ND														
Styrene	23000	10	100	10	7.5	ND	7.4	ND														
Xylenes(Total)	410000	10	1000	10	6.7	J	9.9															

Table 14 Semivolatiles	Action Level		Action Level		Unamended Sediment (Units:ppb)		Amended Sediment (Units:ppb)		MEP Extracts Units:ppm													
ASI ID #	Soil		Leachate		20031391		20031397		MEP Day 1		MEP Day 2		MEP Day 3		MEP Day 4		MEP Day 5		MEP Day 6		MEP Day 7	
STL ID #	ug/kg	*	ug/L	*	Comp J	Q	A Comp J	Q	1 Comp J	Q	2 Comp J	Q	3 Comp J	Q	4 Comp J	Q	5 Comp J	Q	6 Comp J	Q	7 Comp J	Q
Phenol	10,000,000	660	4,000	10	640	ND	630	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
bis(2-Chloroethyl)ether	660	660	10	10	640	ND	630	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2-Chlorophenol	2000	660	5	10	640	ND	630	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
1,3-Dichlorobenzene	5100000	660	600	10	640	ND	630	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
1,4-Dichlorobenzene	570000	660	75	10	97.15		69.82		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
1,2-Dichlorobenzene	5100000	660	600	10	640	ND	630	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2-Methylphenol	2800000	660	NA	10	640	ND	630	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
1-Chloropropane-2,2'-oxybis	2300000	660	300	10	640	ND	630	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
4-Methylphenol	2800000	660	NA	10	640	ND	630	ND	0.0034	J	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
N-Nitroso-Di-N-Propylamine	660	660	20	10	640	ND	630	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Hexachloroethane	6000	660	10	10	640	ND	630	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Nitrobenzene	28000	660	10	10	640	ND	630	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Isophorone	1100000	660	100	10	640	ND	630	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2-Nitrophenol	NA	660	NA	10	640	ND	630	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2,4-Dimethylphenol	1100000	660	100	10	640	ND	630	ND	0.0017	J	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
bis(2-Chloroethoxy)methane	NA	660	NA	10	640	ND	630	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2,4-Dichlorophenol	170000	660	20	10	640	ND	630	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
1,2,4-Trichlorobenzene	68000	660	9	10	640	ND	630	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Naphthalene	230000	660	300	10	251.24		245.01		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
4-Chloroaniline	230000	1300	NA	20	640	ND	630	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Hexachloro-1,3-butadiene	NA	660	NA	10	640	ND	630	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
4-Chloro-3-methylphenol	10,000,000	1300	NA	20	640	ND	630	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2-Methylnaphthalene	NA	660	NA	10	640	ND	630	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Hexachlorocyclopentadiene	400000	660	50	10	1300	ND	1300	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
2,4,6-Trichlorophenol	62000	660	20	10	640	ND	630	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2,4,5-Trichlorophenol	5600000	660	700	10	640	ND	630	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2-Chloronaphthalene	NA	660	NA	10	640	ND	630	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2-Nitroaniline	NA	3,300	NA	50	3100	ND	3000	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
Dimethylphthalate	10,000,000	660	NA	10	640	ND	630	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Acenaphthylene	NA	660	NA	10	143.68		151.79		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2,6-Dinitrotoluene	1000	660	10	10	640	ND	630	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
3-Nitroaniline	NA	3300	NA	50	3100	ND	3000	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND

Table 14 Semivolatiles continued	Action Level		Action Level		Unamended Sediment (Units:ppb)		Amended Sediment (Units:ppb)		MEP Extracts Units:ppm													
ASI ID #	Soil		Leachate		20031391		20031397		MEP Day 1		MEP Day 2		MEP Day 3		MEP Day 4		MEP Day 5		MEP Day 6		MEP Day 7	
STL ID #	ug/kg	*	ug/L	*	Comp J	Q	A Comp J	Q	1 Comp J	Q	2 Comp J	Q	3 Comp J	Q	4 Comp J	Q	5 Comp J	Q	6 Comp J	Q	7 Comp J	Q
Acenaphthene	3400000	660	400	10	95.93		83.28		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2,4-Dinitrophenol	110000	3300	40	50	3100	ND	3000	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
4-Nitrophenol	NA	3300	NA	50	3100	ND	3000	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
Dibenzofuran	NA	660	NA	10	640	ND	630	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2,4-Dinitrotoluene	1000	660	10	10	640	ND	630	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Diethylphthalate	10,000,000	660	5,000	10	640	ND	630	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
4-Chlorophenyl-phenylether	NA	660	NA	10	640	ND	630	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Fluorene	2300000	660	300	10	130.36		130.04		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
4-Nitroaniline	NA	830	NA	20	1600	ND	1600	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND
4,6-Dinitro-2-methylphenol	NA	3300	NA	50	3100	ND	3000	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
N-Nitrosodiphenylamine	140000	660	20	10	640	ND	630	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
4-Bromophenyl-phenylether	NA	660	NA	10	640	ND	630	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Hexachlorobenzene	660	660	10	10	640	ND	630	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Pentachlorophenol	6000	3300	1	50	3100	ND	3000	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
Phenanthrene	NA	6600	NA	10	684.66		602.73		0.01	ND	0.00062	J	0.01	ND	0.01	ND	0.01	ND	0.00069	J	0.01	ND
Anthracene	10000000	6600	2000	10	625.42		499.08		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Carbazole	NA	330	NA	10	640	ND	630	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Di-n-butylphthalate	5700000	330	900	10	640	ND	630	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Fluoranthene	2300000	660	300	10	1356.97		1062.91		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Pyrene	1700000	660	200	10	2079.41	D	2475.8	D	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Butylbenzylphthalate	1100000	660	100	10	640	ND	630	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
3,3'-Dichlorobenzidine	2000	1300	60	20	2500	ND	2500	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND
Benzo(a)anthracene	900	660	NA	10	870.94		735.09		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Chrysene	9000	660	NA	10	896.29		776.65		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
bis(2-Ethylhexyl)phthalate	49000	660	30	10	590	J	730		[redacted]		0.012	B	0.0069	J	0.0018	J B	0.0012	J	0.0066	J	0.01	ND
Di-n-octylphthalate	1100000	660	100	10	640	ND	630	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Benzo(b)fluoranthene	900	660	NA	10	737.06		586.36		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Benzo(k)fluoranthene	900	660	NA	10	694.03		566.62		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Benzo(a)pyrene	660	660	NA	10	[redacted]		[redacted]		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Indeno(1,2,3-cd)pyrene	900	660	NA	10	536.48		437.97		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Dibenzo(a,h)anthracene	660	660	NA	10	152.18		120.73		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Benzo(ghi)perylene	NA	660	NA	10	425.28		369.22		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND

Table 14 Pesticides/Arochlors	Action Level		Action Level		Unamended Sediment (Units:ppb)		Amended Sediment (Units:ppb)		MEP Extracts Units:ppm													
ASI ID #	Soil		Leachate		20031391		20031397		MEP Day 1		MEP Day 2		MEP Day 3		MEP Day 4		MEP Day 5		MEP Day 6		MEP Day 7	
STL ID #	ug/kg	*	ug/L	*	Comp J	Q	A Comp J	Q	1 Comp J	Q	2 Comp J	Q	3 Comp J	Q	4 Comp J	Q	5 Comp J	Q	6 Comp J	Q	7 Comp J	Q
alpha-BHC	NA	1.9	0.02	0.05	17	ND	16	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
beta-BHC	NA	3.3	0.2	0.05	17	ND	16	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
delta-BHC	NA	1.7	NA	0.05	17	ND	16	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
gamma-BHC (Lindane)	520	2	0.2	0.05	17	ND	16	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Heptachlor	150	2.1	0.4	0.05	0.15	ND	0.15	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Aldrin	40	2	0.04	0.05	0.14	ND	0.13	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Heptachlor epoxide	NA	2.1	0.2	0.05	0.14	ND	0.13	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Endosulfan I		2.1	0.4	0.05	0.17	ND	0.16	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Dieldrin	42	3.3	0.03	0.10	1.37		1.56		0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.000017	J PG	0.00005	ND	0.00005	ND
4,4'-DDE	2000	4.2	0.1	0.10	167.04	D	140.45	D	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Endrin	17000	3.6	2	0.10	2.1	J PG	1.5	J PG	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Endosulfan II		3.3	0.4	0.10	0.16	ND	0.16	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
4,4'-DDD	3000	4.2	0.1	0.10	135.26	D	134.74	D	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Endosulfan sulfate	NA	3.6	0.4	0.10	0.19	ND	0.19	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
4,4'-DDT	2000	3.6	0.1	0.10	43.83	D	69.92	D	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Methoxychlor	280000	17	40	0.50	32	ND	32	ND	0.0001	ND	0.0001	ND	0.0001	ND	0.0001	ND	0.0001	ND	0.0001	ND	0.0001	ND
Endrin ketone	NA	3.3	NA	0.10	17	ND	16	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Endrin aldehyde	NA	3.3	NA	0.10	17	ND	16	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
alpha-Chlordane	500	1.7	NA	0.05	2.31		1.84		0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
gamma-Chlordane	NA	1.7	0.5	0.05	6	J	5	J	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Toxaphene	100	170	3	5.00	650	ND	640	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND
Arochlor-1016 **		33		1.00	32	ND	32	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Arochlor-1221 **		67		2.00	32	ND	32	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Arochlor-1232 **		33		1.00	32	ND	32	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Arochlor-1242 **		33		1.00	32	ND	32	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Arochlor-1248 **		33		1.00	150		120		0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Arochlor-1254 **		33		1.00	32	ND	32	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Arochlor-1260 **		33		1.00	32	ND	32	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Total Arochlor(SUM)	490		0.5																			

** Reported as units = ppm

Table 14 Metals	Action Level		Action Level		Unamended Sediment (Units:ppm)		Amended Sediment (Units:ppm)		MEP Extracts Units:ppm													
ASI ID #	Soil		Leachate		20031391		20031397		MEP Day 1		MEP Day 2		MEP Day 3		MEP Day 4		MEP Day 5		MEP Day 6		MEP Day 7	
STL ID #	ug/kg	*	mg/L	*	Comp J	Q	A Comp J	Q	1 Comp J	Q	2 Comp J	Q	3 Comp J	Q	4 Comp J	Q	5 Comp J	Q	6 Comp J	Q	7 Comp J	Q
Aluminum	NA	40	0.2	200	7560		9310		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]	J	[illegible]	
Antimony	14	12	0.02	60	0.98	ND	0.96	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.005	B	0.004	B	0.0058	B
Arsenic	20	2	0.008	10	[illegible]		[illegible]		0.01	ND	0.0025	B	0.0024	B	0.0042	B	0.0025	B	0.0038	B	0.0059	B
Barium	700	40	2	200	294		189		0.3	J	0.082	B J	0.067	B J	0.047	B J	0.037	B	0.035	B	0.03	B
Beryllium	1	1	0.02	5	0.68		0.67		0.004	ND	0.00092	B J	0.0015	B J	0.00031	B	0.004	ND	0.0009	B J	0.0013	B J
Cadmium	1	1	0.004	5	[illegible]		[illegible]		0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND
Calcium	NA	1000	NA	5000	5980	E	53400	E	343		173	J	125	J	96.2	J	67.8		54.8		49.7	J
Chromium	NA	2	0.1	10	139.44		162.72		0.042		0.074		0.071		0.07		0.043		0.031		0.027	
Cobalt	NA	10	NA	50	7.5	E	7		0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
Copper	600	5	1	25	177.85		184.19		0.12		0.047		0.038		0.034		0.031		0.025		0.023	B
Iron	NA	20	0.3	1000	16600		16000	E	0.033	B	0.017	B	0.1	ND	0.1	ND	0.1	ND	0.1	ND	0.1	ND
Lead	400	0.6	0.01	3	166		125		0.0028	B	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND
Magnesium	NA	1000	NA	5000	4580		6950		0.013	B	0.026	B	0.029	B	0.039	B	0.039	B	0.074	B	0.084	B
Manganese	NA	3	0.05	15	262		383	E	0.015	ND	0.015	ND	0.00024	B	0.015	ND	0.015	ND	0.015	ND	0.00027	B
Mercury	14	0.1	0.002	0.2	3.06		2.89		0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND
Nickel	250	8	0.1	40	44.6		47.2		0.025	B	0.006	B	0.0033	B	0.0025	B	0.0021	B	0.0015	B	0.0018	B
Potassium	NA	1000	NA	5000	2040		2840		46.2		4.3	B J	1.2	B	0.64	B	0.46	B	0.34	B	0.26	B
Selenium	63	1	0.05	5	1.1		0.74		0.005	ND	0.0025	B	0.0026	B	0.0032	B J	0.005	ND	0.005	ND	0.005	ND
Silver	110	2	NA	10	1.69		1.79		0.005	ND	0.005	ND	0.0006	B	0.005	ND	0.005	ND	0.005	ND	0.005	ND
Sodium	NA	1000	50	5,000	4380		4470		[illegible]		8.9		5.1		5.3		5.7		4.7	B	6.7	
Thallium	2	2	0.01	10	0.98	ND	0.96	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Vanadium	370	10	NA	50	26.4		31.1		0.0026	B	0.0074	B	0.012	B	0.02	B	0.025	B	0.026	B	0.029	B
Zinc	1500	4	5	20	241		245		0.0025	B J	0.0032	B J	0.0021	B	0.02	ND	0.0025	B	0.0021	B	0.0024	B
Cyanide, total	1100	0.5	0.2	10	0.75	ND	0.74	ND														
%Solids					65.4		69.8															

Table 14 Dioxins	Action Level		Action Level		Unamended Sediment (Units:ppt)		Amended Sediment (Units:ppt)		MEP Extracts Units:pg/L													
ASI ID #	Soil		Leachate		20031391		20031397		MEP Day 1		MEP Day 2		MEP Day 3		MEP Day 4		MEP Day 5		MEP Day 6		MEP Day 7	
STL ID #	ug/kg		ug/L		Comp J	Q	A Comp J	Q	1 Comp J	Q		Q		Q		Q		Q		Q	7 Comp J	Q
2,3,7,8-TCDD					45.54		40.33		2.2	ND											3.3	ND
1,2,3,7,8-PeCDD					1.67		1.79		1.3	ND											1.6	ND
1,2,3,4,7,8-HxCDD					1.47		1.36		1.6	ND											1.5	ND
1,2,3,6,7,8-HxCDD					9.45		11.88		1.7	ND											1.7	ND
1,2,3,7,8,9-HxCDD					5.52		6.18		1.6	ND											1.5	ND
1,2,3,4,6,7,8-HpCDD					215.28		429.42		2.4	ND											1.8	ND
OCDD					2704.44		4856.68		19	B J											1.7	ND
2,3,7,8-TCDF					6.72	#	6.83	#	2.2	ND											3.1	ND
1,2,3,7,8-PeCDF					5.42		4.87		1.1	ND											1.4	ND
2,3,4,7,8-PeCDF					6.09		5.80		0.87	ND											1.1	ND
1,2,3,4,7,8-HxCDF					30.59		30.10		0.94	ND											1	ND
1,2,3,6,7,8-HxCDF					8.66		8.60		0.96	ND											0.94	ND
2,3,4,6,7,8-HxCDF					4.76		4.68		1.2	ND											1.1	ND
1,2,3,7,8,9-HxCDF					0.46	J	0.77	J	1.4	ND											1.4	ND
1,2,3,4,6,7,8-HpCDF					148.99		143.99		1.6	ND											1.4	ND
1,2,3,4,7,8,9-HpCDF					8.68		8.17		2.3	ND											1.8	ND
OCDF					279.28		288.63		3.3	ND											1.8	ND

NA

* = NJDEP Required detection limit

= value from 2nd column confirmation

ND = Not detected

B = Indicates analyte detected in method blank as well as associated field sample

J = Detection limit below the reporting limit or is an estimated value

E = Estimated value

Table 15 Volatiles	Action Level		Action Level		Unamended Sediment (Units: ppb)		Amended Sediment (Units: ppb)		MEP Extracts Units:													
ASI ID #	Soil		Leachate		20031240		20031244		MEP Day 1		MEP Day 2		MEP Day 3		MEP Day 4		MEP Day 5		MEP Day 6		MEP Day 7	
STL ID #	ug/kg	*	ug/L	*	Comp K	Q	A Comp K	Q	1 Comp K	Q	2 Comp K	Q	3 Comp K	Q	4 Comp K	Q	5 Comp K	Q	6 Comp K	Q	7 Comp K	Q
Chloromethane (Methyl Chloride)	520000	10	30	10	12	ND	7.3	ND														
Bromomethane	79000	10	10	10	12	ND	7.3	ND														
Vinyl chloride	2000	10	5	10	12	ND	7.3	ND														
Chloroethane	NA	10	NA	10	12	ND	7.3	ND														
Methylene chloride (Dichloromethane)	49000	10	3	10	12	ND	7.3	ND														
Acetone	1,000,000	10	700	10	25	ND	58															
Carbon disulfide	NA	10	NA	10	12	ND	74															
1,1-Dichloroethene	8000	10	2	10	12	ND	7.3	ND														
1,1-Dichloroethane	570000	10	50	10	12	ND	7.3	ND														
1,2-Dichloroethene (total)	NA	10	10	10	12	ND	7.3	ND														
Chloroform	19000	10	6	10	12	ND	7.3	ND														
1,2-Dichloroethane	NA	10	NA	10	12	ND	7.3	ND														
2-Butanone (MEK)	1000000	10	300	10	12	ND	13															
1,1,1-Trichloroethane	210000	10	30	10	12	ND	7.3	ND														
Carbon tetrachloride	2000	10	2	10	12	ND	7.3	ND														
Bromodichloromethane	11000	10	1	10	12	ND	7.3	ND														
1,2-Dichloropropane	10000	10	1	10	12	ND	7.3	ND														
cis-1,3-Dichloropropene	NA	10	NA	10	12	ND	7.3	ND														
Trichloroethene	23000	10	1	10	12	ND	7.3	ND														
Dibromochloromethane	110000	10	10	10	12	ND	7.3	ND														
1,1,2-Trichloroethane	22000	10	3	10	12	ND	7.3	ND														
Benzene	3000	10	1	10	12	ND	7.3	ND														
trans-1,3-dichloropropene	NA	10	NA	10	12	ND	7.3	ND														
Bromoform	86000	10	4	10	12	ND	7.3	ND														
4-Methyl-2-pentanone (MIBK)	1000000	10	400	10	12	ND	7.3	ND														
2-Hexanone	NA	10	NA	10	12	ND	7.3	ND														
Tetrachloroethene	4000	10	1	10	12	ND	7.3	ND														
1,1,2,2-Tetrachloroethane	NA	10	NA	10	12	ND	7.3	ND														
Toluene	1000000	10	1000	10	12	ND	7.3	ND														
Chlorobenzene	37000	10	50	10	12	ND	7.3	ND														
Ethyl benzene	1000000	10	700	10	12	ND	7.3	ND														
Styrene	23000	10	100	10	12	ND	7.3	ND														
Xylenes(Total)	410000	10	1000	10	12	ND	7.3	ND														

Table 15 Semivolatiles	Action Level		Action Level		Unamended Sediment (Units: ppb)		Amended Sediment (Units: ppb)		MEP Extracts Units:ppm													
ASI ID #	Soil		Leachate		20031240		20031244		MEP Day 1		MEP Day 2		MEP Day 3		MEP Day 4		MEP Day 5		MEP Day 6		MEP Day 7	
STL ID #	ug/kg	*	ug/L	*	Comp K	Q	A Comp K	Q	1 Comp K	Q	2 Comp K	Q	3 Comp K	Q	4 Comp K	Q	5 Comp K	Q	6 Comp K	Q	7 Comp K	Q
Phenol	10,000,000	660	4,000	10	2000	ND	480	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
bis(2-Chloroethyl)ether	660	660	10	10	2000	ND	480	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2-Chlorophenol	2000	660	5	10	2000	ND	480	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
1,3-Dichlorobenzene	5100000	660	600	10	2000	ND	480	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
1,4-Dichlorobenzene	570000	660	75	10	161.03		127.75		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
1,2-Dichlorobenzene	5100000	660	600	10	2000	ND	480	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2-Methylphenol	2800000	660	NA	10	2000	ND	480	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
1-Chloropropane-2,2'-oxybis	2300000	660	300	10	2000	ND	480	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
4-Methylphenol	2800000	660	NA	10	2000	ND	480	ND	0.0018	J	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
N-Nitroso-Di-N-Propylamine	660	660	20	10	2000	ND	480	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Hexachloroethane	6000	660	10	10	2000	ND	480	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Nitrobenzene	28000	660	10	10	2000	ND	480	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Isophorone	1100000	660	100	10	2000	ND	480	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2-Nitrophenol	NA	660	NA	10	2000	ND	480	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2,4-Dimethylphenol	1100000	660	100	10	2000	ND	480	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
bis(2-Chloroethoxy)methane	NA	660	NA	10	2000	ND	480	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2,4-Dichlorophenol	170000	660	20	10	2000	ND	480	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
1,2,4-Trichlorobenzene	68000	660	9	10	2000	ND	480	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Naphthalene	230000	660	300	10	352.79		303.88		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
4-Chloroaniline	230000	1300	NA	20	2000	ND	480	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Hexachloro-1,3-butadiene	NA	660	NA	10	2000	ND	480	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
4-Chloro-3-methylphenol	10,000,000	1300	NA	20	2000	ND	480	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2-Methylnaphthalene	NA	660	NA	10	290	J	83	J	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Hexachlorocyclopentadiene	400000	660	50	10	4100	ND	960	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
2,4,6-Trichlorophenol	62000	660	20	10	2000	ND	480	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2,4,5-Trichlorophenol	5600000	660	700	10	2000	ND	480	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2-Chloronaphthalene	NA	660	NA	10	2000	ND	480	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2-Nitroaniline	NA	3,300	NA	50	9900	ND	2300	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
Dimethylphthalate	10,000,000	660	NA	10	2000	ND	480	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Acenaphthylene	NA	660	NA	10	129.51		106.72		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2,6-Dinitrotoluene	1000	660	10	10	2000	ND	480	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
3-Nitroaniline	NA	3300	NA	50	9900	ND	2300	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND

Table 15 Semivolatiles continued	Action Level		Action Level		Unamended Sediment (Units: ppb)		Amended Sediment (Units: ppb)		MEP Extracts Units:ppm													
ASI ID #	Soil		Leachate		20031240		20031244		MEP Day 1		MEP Day 2		MEP Day 3		MEP Day 4		MEP Day 5		MEP Day 6		MEP Day 7	
STL ID #	ug/kg	*	ug/L	*	Comp K	Q	A Comp K	Q	1 Comp K	Q	2 Comp K	Q	3 Comp K	Q	4 Comp K	Q	5 Comp K	Q	6 Comp K	Q	7 Comp K	Q
Acenaphthene	3400000	660	400	10	157.19		124.01		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2,4-Dinitrophenol	110000	3300	40	50	9900	ND	2300	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
4-Nitrophenol	NA	3300	NA	50	9900	ND	2300	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
Dibenzofuran	NA	660	NA	10	260	J	480	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2,4-Dinitrotoluene	1000	660	10	10	2000	ND	480	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Diethylphthalate	10,000,000	660	5,000	10	2000	ND	480	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
4-Chlorophenyl-phenylether	NA	660	NA	10	2000	ND	480	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Fluorene	2300000	660	300	10	150.29		109.99		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
4-Nitroaniline	NA	830	NA	20	5100	ND	1200	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND
4,6-Dinitro-2-methylphenol	NA	3300	NA	50	9900	ND	2300	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
N-Nitrosodiphenylamine	140000	660	20	10	2000	ND	480	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
4-Bromophenyl-phenylether	NA	660	NA	10	2000	ND	480	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Hexachlorobenzene	660	660	10	10	2000	ND	480	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Pentachlorophenol	6000	3300	1	50	9900	ND	2300	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
Phenanthrene	NA	6600	NA	10	568.43		402.59		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Anthracene	10000000	6600	2000	10	842.79		636.09		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Carbazole	NA	330	NA	10	260	J	480	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Di-n-butylphthalate	5700000	330	900	10	2000	ND	480	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Fluoranthene	2300000	660	300	10	2201.25	D	1709.07	D	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Pyrene	1700000	660	200	10	3039.02	D	2394.09	D	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Butylbenzylphthalate	1100000	660	100	10	2000	ND	480	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
3,3'-Dichlorobenzidine	2000	1300	60	20	8000	ND	1900	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND
Benzo(a)anthracene	900	660	NA	10	[illegible]	D	[illegible]	D	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Chrysene	9000	660	NA	10	1654.89	D	1297.53	D	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
bis(2-Ethylhexyl)phthalate	49000	660	30	10	2200		590		0.011		0.017		0.0034		0.022		0.02		0.01		0.02	
Di-n-octylphthalate	1100000	660	100	10	2000	ND	480	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Benzo(b)fluoranthene	900	660	NA	10	838.91		655.53		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Benzo(k)fluoranthene	900	660	NA	10	771.96		639.85		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Benzo(a)pyrene	660	660	NA	10	[illegible]	D	[illegible]	D	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Indeno(1,2,3-cd)pyrene	900	660	NA	10	638.28		483.42		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Dibenzo(a,h)anthracene	660	660	NA	10	208.75		160.26		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Benzo(ghi)perylene	NA	660	NA	10	621.72		488.19		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND

Table 15 Pesticides/Arochlors	Action Level		Action Level		Unamended Sediment (Units: ppb)		Amended Sediment (Units: ppb)		MEP Extracts Units:ppm													
ASI ID #	Soil		Leachate		20031240		20031244		MEP Day 1		MEP Day 2		MEP Day 3		MEP Day 4		MEP Day 5		MEP Day 6		MEP Day 7	
STL ID #	ug/kg	*	ug/L	*	Comp K	Q	A Comp K	Q	1 Comp K	Q	2 Comp K	Q	3 Comp K	Q	4 Comp K	Q	5 Comp K	Q	6 Comp K	Q	7 Comp K	Q
alpha-BHC	NA	1.9	0.02	0.05	11	ND	6.2	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
beta-BHC	NA	3.3	0.2	0.05	11	ND	6.2	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
delta-BHC	NA	1.7	NA	0.05	11	ND	6.2	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
gamma-BHC (Lindane)	520	2	0.2	0.05	11	ND	6.2	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Heptachlor	150	2.1	0.4	0.05	0.16	ND	0.15	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Aldrin	40	2	0.04	0.05	0.14	ND	0.13	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Heptachlor epoxide	NA	2.1	0.2	0.05	0.14	ND	0.13	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Endosulfan I		2.1	0.4	0.05	0.17	ND	0.16	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Dieldrin	42	3.3	0.03	0.10	1.67		1.59		0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
4,4'-DDE	2000	4.2	0.1	0.10	264.45	D	210.89	D	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Endrin	17000	3.6	2	0.10	8.5	J PG	1.9	J PG	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Endosulfan II		3.3	0.4	0.10	0.17	ND	0.16	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
4,4'-DDD	3000	4.2	0.1	0.10	171.14	D	161.69	D	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Endosulfan sulfate	NA	3.6	0.4	0.10	0.20	ND	0.19	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
4,4'-DDT	2000	3.6	0.1	0.10	66.89	D	163.24	D	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Methoxychlor	280000	17	40	0.50	20	ND	12	ND	0.0001	ND	0.0001	ND	0.0001	ND	0.0001	ND	0.0001	ND	0.0001	ND	0.0001	ND
Endrin ketone	NA	3.3	NA	0.10	11	ND	6.2	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Endrin aldehyde	NA	3.3	NA	0.10	11	ND	6.2	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
alpha-Chlordane	500	1.7	NA	0.05	2.28		2.00		0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
gamma-Chlordane	NA	1.7	0.5	0.05	19	PG	3.7	J PG	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Toxaphene	100	170	3	5.00	410	ND	240	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND
Arochlor-1016 **		33		1.00	200	ND	120	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Arochlor-1221 **		67		2.00	200	ND	120	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Arochlor-1232 **		33		1.00	200	ND	120	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Arochlor-1242 **		33		1.00	200	ND	120	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Arochlor-1248 **		33		1.00	270		99	J	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Arochlor-1254 **		33		1.00	200	ND	120	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Arochlor-1260 **		33		1.00	160	J	69	J	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Total Arochlor(SUM)	490		0.5																			

** Reported as units = ppm

Table 15 Metals	Action Level		Action Level		Unamended Sediment (Units: ppm)		Amended Sediment (Units: ppm)		MEP Extracts Units:ppm													
ASI ID #	Soil		Leachate		20031240		20031244		MEP Day 1		MEP Day 2		MEP Day 3		MEP Day 4		MEP Day 5		MEP Day 6		MEP Day 7	
STL ID #	ug/kg	*	mg/L	*	Comp K	Q	A Comp K	Q	1 Comp K	Q	2 Comp K	Q	3 Comp K	Q	4 Comp K	Q	5 Comp K	Q	6 Comp K	Q	7 Comp K	Q
Aluminum	NA	40	0.2	200	10400	E	7490	E	[illegible]		[illegible]		[illegible]	J	[illegible]	J	0.04	J	0.03		[illegible]	
Antimony	14	12	0.02	60	1.2	ND	0.94	ND	0.01	ND	0.01	ND	0.0046	B	0.0036	B J	0.0039	B	0.0071	B	0.006	B
Arsenic	20	2	0.008	10	[illegible]		[illegible]		0.01	ND	0.0025	B	0.0036	B	0.0049	B	0.0032	B	0.0066	B	0.0065	B
Barium	700	40	2	200	295	E	166	E	0.33		0.077	B	0.051	B	0.046	B J	0.026	B	0.025	B J	0.024	B J
Beryllium	1	1	0.02	5	0.92		0.56		0.0007	B J	0.00055	B J	0.00079	B J	0.00046	B J	0.004	ND	0.00036	B J	0.004	ND
Cadmium	1	1	0.004	5	[illegible]		[illegible]		0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND
Calcium	NA	1000	NA	5000	6880	NE	52300	NE	392		168	J	119		95.4		68.8	J	54.5		40.7	J
Chromium	NA	2	0.1	10	155		149		0.054		0.092		0.088		0.08	J	0.048		0.033		0.02	
Cobalt	NA	10	NA	50	12.1	E	6.3	E	0.00091	B	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
Copper	600	5	1	25	336		219		0.08		0.052		0.038		0.039		0.03		0.027		0.019	B
Iron	NA	20	0.3	1000	25900	E	13100	E	0.033	B	0.1	ND	0.028	B	0.1	ND	0.1	ND	0.1	ND	0.1	ND
Lead	400	0.6	0.01	3	190.0		132		0.0052		0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND
Magnesium	NA	1000	NA	5000	6210	E	5210	E	5	ND	5	ND	5	ND	5	ND	5	ND	0.04	B	0.054	B
Manganese	NA	3	0.05	15	384	E	318	E	0.015	ND	0.015	ND	0.00022	B J	0.00036	B	0.015	ND	0.015	ND	0.015	ND
Mercury	14	0.1	0.002	0.2	3.69		2.34		0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND
Nickel	250	8	0.1	40	40.3		41.0		0.016	B	0.0044	B	0.0025	B	0.0024	B	0.002	B	0.0017	B	0.0012	B
Potassium	NA	1000	NA	5000	2520		2020		43.8		4.4	B	0.95	B	0.71	B	0.49	B	0.48	B	0.31	B
Selenium	63	1	0.05	5	2.7	N	0.97	N	0.005	ND	0.005	ND	0.005	ND	0.0027	B	0.005	ND	0.005	ND	0.005	ND
Silver	110	2	NA	10	3.25		1.53		0.005	ND	0.005	ND	0.0012	B J	0.0012	B J	0.005	ND	0.005	ND	0.005	ND
Sodium	NA	1000	50	5,000	6760	E	3220	E	[illegible]		12.6		9.2		8.2		10.1		9.5		8.3	
Thallium	2	2	0.01	10	0.85	B	0.94	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Vanadium	370	10	NA	50	34.2	E	23.1	E	0.0019	B	0.0075	B	0.017	B	0.028	B	0.032	B	0.032	B	0.031	B
Zinc	1500	4	5	20	278.3		243.1		0.0038	B J	0.0026	B	0.0014	B J	0.0034	B	0.0017	B	0.045	J	0.0046	B J
Cyanide, total	1100	0.5	0.2	10	108		0.33	B														
%Solids					64.7		69.5															

Table 15 Dioxins	Action Level		Action Level		Unamended Sediment (Units: ppt)		Amended Sediment (Units: ppt)		MEP Extracts Units:pg/L													
ASI ID #	Soil		Leachate		20031240		20031244		MEP Day 1		MEP Day 2		MEP Day 3		MEP Day 4		MEP Day 5		MEP Day 6		MEP Day 7	
STL ID #	ug/kg		ug/L		Comp K	Q	A Comp K	Q	1 Comp K	Q	2 Comp K	Q	3 Comp K	Q	4 Comp K	Q	5 Comp K	Q	6 Comp K	Q	7 Comp K	Q
2,3,7,8-TCDD					23.91		24.10		2.1	ND	[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		2.3	ND
1,2,3,7,8-PeCDD					1.99		1.69		1.6	ND	[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		1.6	ND
1,2,3,4,7,8-HxCDD					1.58		0.89		2.2	ND	[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		1.5	ND
1,2,3,6,7,8-HxCDD					7.31		8.36		2.3	ND	[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		1.8	ND
1,2,3,7,8,9-HxCDD					5.96		5.10		2.1	ND	[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		1.6	ND
1,2,3,4,6,7,8-HpCDD					153.65		301.45		2.7	ND	[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		1.3	ND
OCDD					2481.92		4382.36		3.5	B J	[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		1.2	ND
2,3,7,8-TCDF					8.72	#	7.03	#	2.1	ND	[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		2.4	ND
1,2,3,7,8-PeCDF					4.53		5.27		1.2	ND	[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		1.3	ND
2,3,4,7,8-PeCDF					5.67		5.43		1.1	ND	[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		1.1	ND
1,2,3,4,7,8-HxCDF					22.17		23.54		1.2	ND	[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		0.96	ND
1,2,3,6,7,8-HxCDF					6.92		7.75		1.3	ND	[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		0.98	ND
2,3,4,6,7,8-HxCDF					4.26		4.52		1.3	ND	[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		1.1	ND
1,2,3,7,8,9-HxCDF					0.96	J	0.54	J	1.7	ND	[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		1.4	ND
1,2,3,4,6,7,8-HpCDF					110.19		119.37		2	ND	[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		1.1	ND
1,2,3,4,7,8,9-HpCDF					6.92		7.15		2.8	ND	[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		1.4	ND
OCDF					237.30		230.93		3.6	ND	[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		1.2	ND

NA

* = NJDEP Required detection limit

= value from 2nd column confirmation

ND = Not detected

B = Indicates analyte detected in method blank as well as associated field sample

J = Detection limit below the reporting limit or is an estimated value

E = Estimated value

Table 16 Volatiles	Action Level		Action Level		Unamended Sediment (Units: ppb)		Amended Sediment (Units: ppb)		MEP Extracts Units:													
ASI ID #	Soil		Leachate		20031241		20031245		MEP Day 1		MEP Day 2		MEP Day 3		MEP Day 4		MEP Day 5		MEP Day 6		MEP Day 7	
STL ID #	ug/kg	*	ug/L	*	Comp L	Q	A Comp L	Q	1 Comp L	Q	2 Comp L	Q	3 Comp L	Q	4 Comp L	Q	5 Comp L	Q	6 Comp L	Q	7 Comp L	Q
Chloromethane (Methyl Chloride)	520000	10	30	10	12	ND	9.9	ND														
Bromomethane	79000	10	10	10	12	ND	9.9	ND														
Vinyl chloride	2000	10	5	10	12	ND	9.9	ND														
Chloroethane	NA	10	NA	10	12	ND	9.9	ND														
Methylene chloride (Dichloromethane)	49000	10	3	10	12	ND	9.9	ND														
Acetone	1,000,000	10	700	10	25		52															
Carbon disulfide	NA	10	NA	10	4.3	J	45															
1,1-Dichloroethene	8000	10	2	10	12	ND	9.9	ND														
1,1-Dichloroethane	570000	10	50	10	12	ND	9.9	ND														
1,2-Dichloroethene (total)	NA	10	10	10	12	ND	9.9	ND														
Chloroform	19000	10	6	10	12	ND	9.9	ND														
1,2-Dichloroethane	NA	10	NA	10	12	ND	9.9	ND														
2-Butanone (MEK)	1000000	10	300	10	12	ND	13															
1,1,1-Trichloroethane	210000	10	30	10	12	ND	9.9	ND														
Carbon tetrachloride	2000	10	2	10	12	ND	9.9	ND														
Bromodichloromethane	11000	10	1	10	12	ND	9.9	ND														
1,2-Dichloropropane	10000	10	1	10	12	ND	9.9	ND														
cis-1,3-Dichloropropene	NA	10	NA	10	12	ND	9.9	ND														
Trichloroethene	23000	10	1	10	12	ND	9.9	ND														
Dibromochloromethane	110000	10	10	10	12	ND	9.9	ND														
1,1,2-Trichloroethane	22000	10	3	10	12	ND	9.9	ND														
Benzene	3000	10	1	10	6.6	J	4.6	J														
trans-1,3-dichloropropene	NA	10	NA	10	12	ND	9.9	ND														
Bromoform	86000	10	4	10	12	ND	9.9	ND														
4-Methyl-2-pentanone (MIBK)	1000000	10	400	10	12	ND	9.9	ND														
2-Hexanone	NA	10	NA	10	12	ND	9.9	ND														
Tetrachloroethene	4000	10	1	10	12	ND	9.9	ND														
1,1,2,2-Tetrachloroethane	NA	10	NA	10	12	ND	9.9	ND														
Toluene	1000000	10	1000	10	12	ND	9.9	ND														
Chlorobenzene	37000	10	50	10	1.7	J	1.6	J														
Ethyl benzene	1000000	10	700	10	3.2	J	2.8	J														
Styrene	23000	10	100	10	12	ND	9.9	ND														
Xylenes(Total)	410000	10	1000	10	23		18															

Table 16 Semivolatiles	Action Level		Action Level		Unamended Sediment (Units: ppb)		Amended Sediment (Units: ppb)		MEP Extracts Units:ppm													
ASI ID #	Soil		Leachate		20031241		20031245		MEP Day 1		MEP Day 2		MEP Day 3		MEP Day 4		MEP Day 5		MEP Day 6		MEP Day 7	
STL ID #	ug/kg	*	ug/L	*	Comp L	Q	A Comp L	Q	1 Comp L	Q	2 Comp L	Q	3 Comp L	Q	4 Comp L	Q	5 Comp L	Q	6 Comp L	Q	7 Comp L	Q
Phenol	10,000,000	660	4,000	10	1900	ND	1300	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
bis(2-Chloroethyl)ether	660	660	10	10	1900	ND	1300	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2-Chlorophenol	2000	660	5	10	1900	ND	1300	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
1,3-Dichlorobenzene	5100000	660	600	10	1900	ND	1300	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
1,4-Dichlorobenzene	570000	660	75	10	348		252.1		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
1,2-Dichlorobenzene	5100000	660	600	10	1900	ND	1300	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2-Methylphenol	2800000	660	NA	10	1900	ND	1300	ND	0.0011	J	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
1-Chloropropane-2 2'-oxybis	2300000	660	300	10	1900	ND	1300	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
4-Methylphenol	2800000	660	NA	10	1900	ND	1300	ND	0.003	J	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
N-Nitroso-Di-N-Propylamine	660	660	20	10	1900	ND	1300	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Hexachloroethane	6000	660	10	10	1900	ND	1300	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Nitrobenzene	28000	660	10	10	1900	ND	1300	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Isophorone	1100000	660	100	10	1900	ND	1300	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2-Nitrophenol	NA	660	NA	10	1900	ND	1300	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2,4-Dimethylphenol	1100000	660	100	10	1900	ND	1300	ND	0.0017	J	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
bis(2-Chloroethoxy)methane	NA	660	NA	10	1900	ND	1300	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2,4-Dichlorophenol	170000	660	20	10	1900	ND	1300	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
1,2,4-Trichlorobenzene	68000	660	9	10	1900	ND	1300	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Naphthalene	230000	660	300	10	616.87		417.69		0.0012	J	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
4-Chloroaniline	230000	1300	NA	20	480	J	330	J	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Hexachloro-1,3-butadiene	NA	660	NA	10	1900	ND	1300	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
4-Chloro-3-methylphenol	10,000,000	1300	NA	20	1900	ND	1300	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2-Methylnaphthalene	NA	660	NA	10	470	J	200	J	0.0012	J	0.00095	J	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Hexachlorocyclopentadiene	400000	660	50	10	3800	ND	2600	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
2,4,6-Trichlorophenol	62000	660	20	10	1900	ND	1300	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2,4,5-Trichlorophenol	5600000	660	700	10	1900	ND	1300	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2-Chloronaphthalene	NA	660	NA	10	1900	ND	1300	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2-Nitroaniline	NA	3,300	NA	50	9300	ND	6300	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
Dimethylphthalate	10,000,000	660	NA	10	1900	ND	1300	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Acenaphthylene	NA	660	NA	10	241.76		153.25		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2,6-Dinitrotoluene	1000	660	10	10	1900	ND	1300	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
3-Nitroaniline	NA	3300	NA	50	9300	ND	6300	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND

	Action Level		Unamended Sediment (Units: ppb)		Amended Sediment (Units: ppb)		MEP Extracts Units:ppm													
	Leachate		20031241		20031245		MEP Day 1		MEP Day 2		MEP Day 3		MEP Day 4		MEP Day 5		MEP Day 6		MEP Day 7	
	ug/L	*	Comp L	Q	A Comp L	Q	1 Comp L	Q	2 Comp L	Q	3 Comp L	Q	4 Comp L	Q	5 Comp L	Q	6 Comp L	Q	7 Comp L	Q
0	400	10	397.67		290.09		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
00	40	50	9300	ND	6300	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
00	NA	50	9300	ND	6300	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
0	NA	10	1900	ND	1300	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
0	10	10	1900	ND	1300	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
0	5,000	10	1900	ND	1300	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
0	NA	10	1900	ND	1300	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
0	300	10	439.26		323.98		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
0	NA	20	4800	ND	3300	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND
00	NA	50	9300	ND	6300	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
0	20	10	1900	ND	1300	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
0	NA	10	1900	ND	1300	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
0	10	10	1900	ND	1300	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
00	1	50	9300	ND	6300	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
00	NA	10	2333.17	D	1753.77	D	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
00	2000	10	1432.89	D	1019.66	D	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
0	NA	10	1900	ND	1300	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
0	900	10	1900	ND	1300	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
0	300	10	4219.65	D	2853.41	D	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
0	200	10	4745.9	D	3145.35	D	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
0	100	10	1900	ND	1300	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
00	60	20	7500	ND	5100	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND
0	NA	10	[redacted]	D	[redacted]	D	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
0	NA	10	2615.82	D	1749.39	D	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
0	30	10	15000		6900		0.02		[redacted]		[redacted]		0.0082	J	0.0052	J	0.0072	J	0.021	
0	100	10	180	J	1300	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
0	NA	10	[redacted]	D	[redacted]		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
0	NA	10	[redacted]	D	893.92		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
0	NA	10	[redacted]	D	[redacted]	D	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
0	NA	10	[redacted]		682.4		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
0	NA	10	291.73		200.86		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
0	NA	10	1023.76		730.07		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND

Table 16 Pesticides/Arochlors	Action Level		Action Level		Unamended Sediment (Units: ppb)		Amended Sediment (Units: ppb)		MEP Extracts Units:ppm													
ASI ID #	Soil		Leachate		20031241		20031245		MEP Day 1		MEP Day 2		MEP Day 3		MEP Day 4		MEP Day 5		MEP Day 6		MEP Day 7	
STL ID #	ug/kg	*	ug/L	*	Comp L	Q	A Comp L	Q	1 Comp L	Q	2 Comp L	Q	3 Comp L	Q	4 Comp L	Q	5 Comp L	Q	6 Comp L	Q	7 Comp L	Q
alpha-BHC	NA	1.9	0.02	0.05	20	ND	8.4	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
beta-BHC	NA	3.3	0.2	0.05	20	ND	8.4	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
delta-BHC	NA	1.7	NA	0.05	29	PG	8.4	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
gamma-BHC (Lindane)	520	2	0.2	0.05	20	ND	8.4		0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Heptachlor	150	2.1	0.4	0.05	0.24	ND	0.22	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Aldrin	40	2	0.04	0.05	0.22	ND	0.20	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Heptachlor epoxide	NA	2.1	0.2	0.05	0.22	ND	0.20	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Endosulfan I		2.1	0.4	0.05	0.26	ND	0.24	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Dieldrin	42	3.3	0.03	0.10	5.68		5.69		0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
4,4'-DDE	2000	4.2	0.1	0.10	490.56	D	183.36	D	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Endrin	17000	3.6	2	0.10	13	J PG	4.8	J PG	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Endosulfan II		3.3	0.4	0.10	0.25	ND	0.23	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
4,4'-DDD	3000	4.2	0.1	0.10	449.33	D	151.96	D	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Endosulfan sulfate	NA	3.6	0.4	0.10	0.30	ND	0.28	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
4,4'-DDT	2000	3.6	0.1	0.10	1034.75	D	219.85	D	0.00005	ND	0.00005	ND	0.000019	J PG	0.000022	J PG	0.00005	ND	0.00005	ND	0.00005	ND
Methoxychlor	280000	17	40	0.50	750		16	ND	0.0001	ND	0.0001	ND	0.0001	ND	0.0001	ND	0.0001	ND	0.0001	ND	0.0001	ND
Endrin ketone	NA	3.3	NA	0.10	20	ND	8.4	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Endrin aldehyde	NA	3.3	NA	0.10	20	ND	8.4	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
alpha-Chlordane	500	1.7	NA	0.05	11.53		10.48		0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
gamma-Chlordane	NA	1.7	0.5	0.05	23		9.2		0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Toxaphene	100	170	3	5.00	780	ND	330	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND
Arochlor-1016 **		33		1.00	190	ND	160	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Arochlor-1221 **		67		2.00	190	ND	160	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Arochlor-1232 **		33		1.00	190	ND	160	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Arochlor-1242 **		33		1.00	190	ND	160	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Arochlor-1248 **		33		1.00	1300		580		0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Arochlor-1254 **		33		1.00	880		160	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Arochlor-1260 **		33		1.00	590		260		0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Total Arochlor(SUM)	490		0.5																			

** Reported as units = ppm

Table 16 Metals	Action Level		Action Level		Unamended Sediment (Units: ppm)		Amended Sediment (Units: ppm)		MEP Extracts Units:ppm													
ASI ID #	Soil		Leachate		20031241		20031245		MEP Day 1		MEP Day 2		MEP Day 3		MEP Day 4		MEP Day 5		MEP Day 6		MEP Day 7	
STL ID #	mg/Kg	*	mg/L	*	Comp L	Q	A Comp L	Q	1 Comp L	Q	2 Comp L	Q	3 Comp L	Q	4 Comp L	Q	5 Comp L	Q	6 Comp L	Q	7 Comp L	Q
Aluminum	NA	40	0.2	200	12600	E	9920	E	[illegible]		[illegible]		[illegible]	J	[illegible]	J	0.56	J	[illegible]		[illegible]	
Antimony	14	12	0.02	60	1.2	ND	0.99	ND	0.0035	B	0.01	ND	0.0042	B	0.0039	B J	0.0056	B	0.0058	B	0.0052	B
Arsenic	20	2	0.008	10	[illegible]		[illegible]		0.0068	B	0.0049	B	0.0062	B	0.0076	B	0.0056	B	[illegible]		[illegible]	
Barium	700	40	2	200	459	E	296	E	0.18	B	0.056	B	0.039	B	0.032	B J	0.019	B	0.03	B J	0.017	B J
Beryllium	1	1	0.02	5	0.96		0.66		0.00058	B J	0.00083	B J	0.00063	B J	0.0004	B J	0.004	ND	0.00039	B J	0.00029	B J
Cadmium	1	1	0.004	5	[illegible]		[illegible]		0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND
Calcium	NA	1000	NA	5000	6020	NE	43300	NE	325		132	J	101		76.6		55.6	J	48.6		36.5	J
Chromium	NA	2	0.1	10	309		316		0.0063		0.064		0.082		0.065	J	0.042		0.031		0.021	
Cobalt	NA	10	NA	50	10.5	E	6.8	E	0.001	B	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
Copper	600	5	1	25	582		494		0.012	B	0.075		0.064		0.06		0.053		0.05		0.035	
Iron	NA	20	0.3	1000	25500	E	17200	E	0.04	B	0.1	ND	0.019	B	0.1	ND	0.02	B J	0.1	ND	0.1	ND
Lead	400	0.6	0.01	3	371		321		0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND
Magnesium	NA	1000	NA	5000	6610	E	6140	E	5	ND	5	ND	5	ND	5	ND	0.025	B J	0.053	B	0.082	B
Manganese	NA	3	0.05	15	310	E	304	E	0.00018	B	0.015	ND	0.015	ND	0.015	ND	0.015	ND	0.015	ND	0.015	ND
Mercury	14	0.1	0.002	0.2	12.5		10.9		0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND
Nickel	250	8	0.1	40	63.9		66.0		0.037	B	0.01	B	0.0054	B	0.0041	B	0.0043	B	0.0044	B	0.0018	B
Potassium	NA	1000	NA	5000	2570		2490		39.7		4.4	B	1.5	B	0.96	B	0.55	B	0.56	B	0.36	B
Selenium	63	1	0.05	5	3.5	N	2.3	N	0.005		0.0067		0.0049	B	0.0051		0.0034	B	0.0025	B	0.003	B
Silver	110	2	NA	10	6.34		5.71		0.005	ND	0.005	ND	0.0014	B J	0.0012	B J	0.005	ND	0.005	ND	0.005	ND
Sodium	NA	1000	50	5,000	9040	E	5550	E	[illegible]		13.4		6.1		7.5		8.6		5.8		8.2	
Thallium	2	2	0.01	10	0.6	B	0.7	B	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Vanadium	370	10	NA	50	45	E	34.2	E	0.0079	B	0.021	B	0.038	B	0.048	B	0.049	B	0.046	B	0.042	B
Zinc	1500	4	5	20	731		656		0.0077	B J	0.0017	B	0.0023	B J	0.0022	B	0.0052	B	0.0028	B J	0.0092	B J
Cyanide, total	1100	0.5	0.2	10	79.9		0.75	B														
%Solids					42.0		47.4															

Table 16 Dioxins	Action Level		Action Level		Unamended Sediment (Units:ppt)		Amended Sediment (Units:ppt)		MEP Extracts Units: pg/L													
ASI ID #	Soil		Leachate		20031241		20031245		MEP Day 1		MEP Day 2		MEP Day 3		MEP Day 4		MEP Day 5		MEP Day 6		MEP Day 7	
STL ID #	ug/kg		ug/L		Comp L	Q	A Comp L	Q	1 Comp L	Q	2 Comp L	Q	3 Comp L	Q	4 Comp L	Q	5 Comp L	Q	6 Comp L	Q	7 Comp L	Q
2,3,7,8-TCDD					73.72		70.74		2.8	ND												
1,2,3,7,8-PeCDD					8.16		7.85		1.7	ND												
1,2,3,4,7,8-HxCDD					6.17		5.74		1.7	ND												
1,2,3,6,7,8-HxCDD					42.24		41.99		1.8	ND												
1,2,3,7,8,9-HxCDD					32.37		32.44		1.7	ND												
1,2,3,4,6,7,8-HpCDD					1012.04		1115.20		1.7	ND												
OCDD					12287.89		14538.71		2.6	Q B J												
2,3,7,8-TCDF					45.81	#	40.81	#	2.7	ND												
1,2,3,7,8-PeCDF					23.99		24.39		1.5	ND												
2,3,4,7,8-PeCDF					29.80		30.57		1.3	ND												
1,2,3,4,7,8-HxCDF					121.76		117.06		1	ND												
1,2,3,6,7,8-HxCDF					37.18		35.22		1.1	ND												
2,3,4,6,7,8-HxCDF					25.80		25.09		1.2	ND												
1,2,3,7,8,9-HxCDF					3.89		1.74	J	1.5	ND												
1,2,3,4,6,7,8-HpCDF					481.88		469.61		1.4	ND												
1,2,3,4,7,8,9-HpCDF					34.11		32.41		1.5	ND												
OCDF					881.81		819.96		2.7	Q J												

NA

* = NJDEP Required detection limit

= value from 2nd column confirmation

ND = Not detected

B = Indicates analyte detected in method blank as well as associated field sample

J = Detection limit below the reporting limit or is an estimated value

E = Estimated value

Table 17 Volatiles	Action Level		Action Level		Unamended Sediment (Units: ppb)		Amended Sediment (Units: ppb)		MEP Extracts Units:													
ASI ID #	Soil		Leachate		20031392		20031398		MEP Day 1		MEP Day 2		MEP Day 3		MEP Day 4		MEP Day 5		MEP Day 6		MEP Day 7	
STL ID #	ug/kg	*	ug/L	*	Comp M	Q	A Comp M	Q	1 Comp M	Q	2 Comp M	Q	3 Comp M	Q	4 Comp M	Q	5 Comp M	Q	6 Comp M	Q	7 Comp M	Q
Chloromethane (Methyl Chloride)	520000	10	30	10	7.9	ND	7.6	ND														
Bromomethane	79000	10	10	10	7.9	ND	7.6	ND														
Vinyl chloride	2000	10	5	10	7.9	ND	7.6	ND														
Chloroethane	NA	10	NA	10	7.9	ND	7.6	ND														
Methylene chloride (Dichloromethane)	49000	10	3	10	7.9	ND	7.6	ND														
Acetone	1,000,000	10	700	10	16	ND	81															
Carbon disulfide	NA	10	NA	10	7.9	ND	9.6															
1,1-Dichloroethene	8000	10	2	10	7.9	ND	7.6	ND														
1,1-Dichloroethane	570000	10	50	10	7.9	ND	7.6	ND														
1,2-Dichloroethene (total)	NA	10	10	10	7.9	ND	7.6	ND														
Chloroform	19000	10	6	10	7.9	ND	7.6	ND														
1,2-Dichloroethane	NA	10	NA	10	7.9	ND	7.6	ND														
2-Butanone (MEK)	1000000	10	300	10	7.9	ND	18															
1,1,1-Trichloroethane	210000	10	30	10	7.9	ND	7.6	ND														
Carbon tetrachloride	2000	10	2	10	7.9	ND	7.6	ND														
Bromodichloromethane	11000	10	1	10	7.9	ND	7.6	ND														
1,2-Dichloropropane	10000	10	1	10	7.9	ND	7.6	ND														
cis-1,3-Dichloropropene	NA	10	NA	10	7.9	ND	7.6	ND														
Trichloroethene	23000	10	1	10	7.9	ND	7.6	ND														
Dibromochloromethane	110000	10	10	10	7.9	ND	7.6	ND														
1,1,2-Trichloroethane	22000	10	3	10	7.9	ND	7.6	ND														
Benzene	3000	10	1	10	7.9	ND	7.6	ND														
trans-1,3-dichloropropene	NA	10	NA	10	7.9	ND	7.6	ND														
Bromoform	86000	10	4	10	7.9	ND	7.6	ND														
4-Methyl-2-pentanone (MIBK)	1000000	10	400	10	7.9	ND	7.6	ND														
2-Hexanone	NA	10	NA	10	7.9	ND	7.6	ND														
Tetrachloroethene	4000	10	1	10	7.9	ND	7.6	ND														
1,1,2,2-Tetrachloroethane	NA	10	NA	10	7.9	ND	7.6	ND														
Toluene	1000000	10	1000	10	7.9	ND	7.6	ND														
Chlorobenzene	37000	10	50	10	7.9	ND	7.6	ND														
Ethyl benzene	1000000	10	700	10	7.9	ND	7.6	ND														
Styrene	23000	10	100	10	7.9	ND	7.6	ND														
Xylenes(Total)	410000	10	1000	10	1.8	J	2.3	J														

Table 17 Semivolatiles	Action Level		Action Level		Unamended Sediment (Units: ppb)		Amended Sediment (Units: ppb)		MEP Extracts Units:ppm													
ASI ID #	Soil		Leachate		20031392		20031398		MEP Day 1		MEP Day 2		MEP Day 3		MEP Day 4		MEP Day 5		MEP Day 6		MEP Day 7	
STL ID #	ug/kg	*	ug/L	*	Comp M	Q	A Comp M	Q	1 Comp M	Q	2 Comp M	Q	3 Comp M	Q	4 Comp M	Q	5 Comp M	Q	6 Comp M	Q	7 Comp M	Q
Phenol	10,000,000	660	4,000	10	620	ND	650	ND	0.01	ND	0.01	ND	0.01	ND	0.0019	J	0.01	ND	0.0014	J	0.01	ND
bis(2-Chloroethyl)ether	660	660	10	10	620	ND	650	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2-Chlorophenol	2000	660	5	10	620	ND	650	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
1,3-Dichlorobenzene	5100000	660	600	10	620	ND	650	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
1,4-Dichlorobenzene	570000	660	75	10	78.16		77.36		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
1,2-Dichlorobenzene	5100000	660	600	10	620	ND	650	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2-Methylphenol	2800000	660	NA	10	620	ND	650	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
1-Chloropropane-2,2'-oxybis	2300000	660	300	10	620	ND	650	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
4-Methylphenol	2800000	660	NA	10	620	ND	650	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
N-Nitroso-Di-N-Propylamine	660	660	20	10	620	ND	650	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Hexachloroethane	6000	660	10	10	620	ND	650	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Nitrobenzene	28000	660	10	10	620	ND	650	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Isophorone	1100000	660	100	10	620	ND	650	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2-Nitrophenol	NA	660	NA	10	620	ND	650	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2,4-Dimethylphenol	1100000	660	100	10	620	ND	650	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
bis(2-Chloroethoxy)methane	NA	660	NA	10	620	ND	650	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2,4-Dichlorophenol	170000	660	20	10	620	ND	650	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
1,2,4-Trichlorobenzene	68000	660	9	10	620	ND	650	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Naphthalene	230000	660	300	10	2988.45	D	2028.38	D	0.056		0.017		0.0071	J	0.0036	J	0.0015	J	0.0015	J	0.001	J
4-Chloroaniline	230000	1300	NA	20	620	ND	650	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Hexachloro-1,3-butadiene	NA	660	NA	10	620	ND	650	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
4-Chloro-3-methylphenol	10,000,000	1300	NA	20	620	ND	650	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2-Methylnaphthalene	NA	660	NA	10	120	J	160	J	0.0034	J	0.0017	J	0.001	J	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Hexachlorocyclopentadiene	400000	660	50	10	1200	ND	1300	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
2,4,6-Trichlorophenol	62000	660	20	10	620	ND	650	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2,4,5-Trichlorophenol	5600000	660	700	10	620	ND	650	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2-Chloronaphthalene	NA	660	NA	10	620	ND	650	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2-Nitroaniline	NA	3,300	NA	50	3000	ND	3100	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
Dimethylphthalate	10,000,000	660	NA	10	620	ND	650	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Acenaphthylene	NA	660	NA	10	103.3		101.43		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2,6-Dinitrotoluene	1000	660	10	10	620	ND	650	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
3-Nitroaniline	NA	3300	NA	50	3000	ND	3100	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND

Table 17 Semivolatiles continued	Action Level		Action Level		Unamended Sediment (Units: ppb)		Amended Sediment (Units: ppb)		MEP Extracts Units:ppm													
ASI ID #	Soil		Leachate		20031392		20031398		MEP Day 1		MEP Day 2		MEP Day 3		MEP Day 4		MEP Day 5		MEP Day 6		MEP Day 7	
STL ID #	ug/kg	*	ug/L	*	Comp M	Q	A Comp M	Q	1 Comp M	Q	2 Comp M	Q	3 Comp M	Q	4 Comp M	Q	5 Comp M	Q	6 Comp M	Q	7 Comp M	Q
Acenaphthene	3400000	660	400	10	642.09		527.26		0.0031	J	0.002	J	0.0016	J	0.0013	J	0.00071	J	0.00073	J	0.01	ND
2,4-Dinitrophenol	110000	3300	40	50	3000	ND	3100	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
4-Nitrophenol	NA	3300	NA	50	3000	ND	3100	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
Dibenzofuran	NA	660	NA	10	140	J	180	J	0.0017	J	0.0011	J	0.00086	J	0.00073	J	0.01	ND	0.01	ND	0.01	ND
2,4-Dinitrotoluene	1000	660	10	10	620	ND	650	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Diethylphthalate	10,000,000	660	5,000	10	620	ND	650	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
4-Chlorophenyl-phenylether	NA	660	NA	10	620	ND	650	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Fluorene	2300000	660	300	10	511.44		416.61		0.0015	J	0.001	J	0.00084	J	0.00079	J	0.01	ND	0.01	ND	0.01	ND
4-Nitroaniline	NA	830	NA	20	1600	ND	1600	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND
4,6-Dinitro-2-methylphenol	NA	3300	NA	50	3000	ND	3100	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
N-Nitrosodiphenylamine	140000	660	20	10	620	ND	650	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
4-Bromophenyl-phenylether	NA	660	NA	10	620	ND	650	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Hexachlorobenzene	660	660	10	10	620	ND	650	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Pentachlorophenol	6000	3300	1	50	3000	ND	3100	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
Phenanthrene	NA	6600	NA	10	1673.2		1267.29		0.0012	J	0.00079	J	0.00083	J	0.00081	J	0.01	ND	0.00068	J	0.01	ND
Anthracene	10000000	6600	2000	10	558.88		431.56		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Carbazole	NA	330	NA	10	66	J	97	J	0.01	ND	0.00061	J	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Di-n-butylphthalate	5700000	330	900	10	620	ND	650	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Fluoranthene	2300000	660	300	10	2310.43		1812.71		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Pyrene	1700000	660	200	10	2173.54	D	1829.4		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Butylbenzylphthalate	1100000	660	100	10	620	ND	650	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
3,3'-Dichlorobenzidine	2000	1300	60	20	2500	ND	2500	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND
Benzo(a)anthracene	900	660	NA	10	981.88		800.1		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Chrysene	9000	660	NA	10	1133.16		882.24		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
bis(2-Ethylhexyl)phthalate	49000	660	30	10	1600		1700		0.024		0.0019	J B	0.0016	J	0.01	ND	0.0026	J	0.01	ND	0.01	ND
Di-n-octylphthalate	1100000	660	100	10	620	ND	650	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Benzo(b)fluoranthene	900	660	NA	10	[illegible]		681.1		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Benzo(k)fluoranthene	900	660	NA	10	766.33		629.45		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Benzo(a)pyrene	660	660	NA	10	[illegible]		[illegible]		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Indeno(1,2,3-cd)pyrene	900	660	NA	10	613.71		522.42		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Dibenzo(a,h)anthracene	660	660	NA	10	161.89		139.73		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Benzo(ghi)perylene	NA	660	NA	10	493.22		432.28		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND

Table 17 Pesticides/Arochlors	Action Level		Action Level		Unamended Sediment (Units: ppb)		Amended Sediment (Units: ppb)		MEP Extracts Units:ppm													
ASI ID #	Soil		Leachate		20031392		20031398		MEP Day 1		MEP Day 2		MEP Day 3		MEP Day 4		MEP Day 5		MEP Day 6		MEP Day 7	
STL ID #	ug/kg	*	ug/L	*	Comp M	Q	A Comp M	Q	1 Comp M	Q	2 Comp M	Q	3 Comp M	Q	4 Comp M	Q	5 Comp M	Q	6 Comp M	Q	7 Comp M	Q
alpha-BHC	NA	1.9	0.02	0.05	16	ND	17	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
beta-BHC	NA	3.3	0.2	0.05	16	ND	17	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
delta-BHC	NA	1.7	NA	0.05	16	ND	17	ND	0.000022	J PG	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
gamma-BHC (Lindane)	520	2	0.2	0.05	16	ND	17	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Heptachlor	150	2.1	0.4	0.05	0.17	ND	0.15	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Aldrin	40	2	0.04	0.05	0.15	ND	0.13	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Heptachlor epoxide	NA	2.1	0.2	0.05	0.15	ND	0.13	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Endosulfan I		2.1	0.4	0.05	0.18	ND	0.16	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00002	J
Dieldrin	42	3.3	0.03	0.10	5.03		2.43		0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
4,4'-DDE	2000	4.2	0.1	0.10	342.40	D	278.03	D	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Endrin	17000	3.6	2	0.10	16	ND	17	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Endosulfan II		3.3	0.4	0.10	0.18	ND	0.16	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
4,4'-DDD	3000	4.2	0.1	0.10	358.65	D	217.74	D	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.000021	J
Endosulfan sulfate	NA	3.6	0.4	0.10	0.21	ND	0.19	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
4,4'-DDT	2000	3.6	0.1	0.10	515.71	D	86.62	D	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.000059	PG
Methoxychlor	280000	17	40	0.50	15	J PG	27	J PG	0.0001	ND	0.0001	ND	0.0001	ND	0.0001	ND	0.0001	ND	0.0001	ND	0.0001	ND
Endrin ketone	NA	3.3	NA	0.10	16	ND	17	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Endrin aldehyde	NA	3.3	NA	0.10	16	ND	17	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
alpha-Chlordane	500	1.7	NA	0.05	3.52		3.06		0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
gamma-Chlordane	NA	1.7	0.5	0.05	3.3	J PG	3.5	J PG	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Toxaphene	100	170	3	5.00	630	ND	660	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND
Arochlor-1016 **		33		1.00	31	ND	33	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Arochlor-1221 **		67		2.00	31	ND	33	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Arochlor-1232 **		33		1.00	31	ND	33	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Arochlor-1242 **		33		1.00	31	ND	33	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Arochlor-1248 **		33		1.00	96		120		0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Arochlor-1254 **		33		1.00	31	ND	33	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Arochlor-1260 **		33		1.00	31	ND	33	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Total Arochlor(SUM)	490		0.5																			

** Reported as units = ppm

Table 17 Metals	Action Level		Action Level		Unamended Sediment (Units: ppm)		Amended Sediment (Units: ppm)		MEP Extracts Units:ppm													
ASI ID #	Soil		Leachate		20031392		20031398		MEP Day 1		MEP Day 2		MEP Day 3		MEP Day 4		MEP Day 5		MEP Day 6		MEP Day 7	
STL ID #	mg/Kg	*	mg/L	*	Comp M	Q	A Comp M	Q	1 Comp M	Q	2 Comp M	Q	3 Comp M	Q	4 Comp M	Q	5 Comp M	Q	6 Comp M	Q	7 Comp M	Q
Aluminum	NA	40	0.2	200	7270		10500		0.096		0.18		0.29		0.25		0.2		0.16	J	0.14	
Antimony	14	12	0.02	60	0.94	ND	0.98	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.0047	B	0.0049	B
Arsenic	20	2	0.008	10	27.6		24.5		0.01	ND	0.01	ND	0.01	ND	0.0026	B	0.01	ND	0.0051	B	0.0056	B
Barium	700	40	2	200	183		190		0.29	J	0.084	B J	0.055	B J	0.035	B J	0.03	B	0.026	B	0.028	B
Beryllium	1	1	0.02	5	0.66		0.7		0.004	ND	0.001	B J	0.0014	B J	0.00041	B	0.004	ND	0.0009	B J	0.0012	B J
Cadmium	1	1	0.004	5	1.84		0.86		0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.0004	B
Calcium	NA	1000	NA	5000	10500	E	67600	E	345		179	J	131	J	99.6	J	70.4		57.9		51.5	J
Chromium	NA	2	0.1	10	113		125		0.039		0.066		0.063		0.061		0.035		0.024		0.02	
Cobalt	NA	10	NA	50	7.4	E	7.9		0.0011	B	0.00072	B	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
Copper	600	5	1	25	162		140		0.13		0.049		0.037		0.033		0.026		0.024	B	0.022	B
Iron	NA	20	0.3	1000	17200		18400	E	0.033	B	0.1	ND	0.1	ND	0.1	ND	0.018	B	0.017	B J	0.018	B
Lead	400	0.6	0.01	3	208		112		0.0029	B	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND
Magnesium	NA	1000	NA	5000	4620		7710		0.015	B	0.024	B	0.027	B	0.036	B	0.04	B	0.066	B	0.077	B
Manganese	NA	3	0.05	15	305		424	E	0.015	ND	0.015	ND	0.015	ND	0.015	ND	0.015	ND	0.015	ND	0.00019	B
Mercury	14	0.1	0.002	0.2	2.25		2.01		0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.000027	B	0.0002	ND	0.0002	ND
Nickel	250	8	0.1	40	44.5		43.7		0.033	B	0.0078	B	0.0035	B	0.0032	B	0.0017	B	0.0018	B	0.0016	B
Potassium	NA	1000	NA	5000	1850		3050		47.7		4.8	B J	1.3	B	0.57	B	0.41	B	0.31	B	0.3	B
Selenium	63	1	0.05	5	1.1		0.65		0.005	ND	0.0031	B	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND
Silver	110	2	NA	10	1.52		1.62		0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND
Sodium	NA	1000	50	5,000	5910		5120		1.58		9.5		4.3	B	4.6	B	4.8	B	4.7	B	8.6	
Thallium	2	2	0.01	10	0.26	B	0.98	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Vanadium	370	10	NA	50	24.9		33		0.0024	B	0.0072	B	0.011	B	0.017	B	0.022	B	0.023	B	0.025	B
Zinc	1500	4	5	20	229.20		238.45		0.0039	B J	0.0027	B J	0.0019	B	0.02	ND	0.0018	B	0.005	B	0.0023	B
Cyanide, total	1100	0.5	0.2	10	0.28	B	0.67	B														
%Solids					61.9		69.7															

Table 17 Dioxins	Action Level		Action Level		Unamended Sediment (Units:ppt)		Amended Sediment (Units:ppt)		MEP Extracts Units:pg/L													
ASI ID #	Soil		Leachate		20031392		20031398		MEP Day 1		MEP Day 2		MEP Day 3		MEP Day 4		MEP Day 5		MEP Day 6		MEP Day 7	
STL ID #	ug/kg		ug/L		Comp M	Q	A Comp M	Q	1 Comp M	Q	2 Comp M	Q	3 Comp M	Q	4 Comp M	Q	5 Comp M	Q	6 Comp M	Q	7 Comp M	Q
2,3,7,8-TCDD					13.98		11.17		3.7	ND											6.2	ND
1,2,3,7,8-PeCDD					1.96		1.53		1.9	ND											3.2	ND
1,2,3,4,7,8-HxCDD					1.62		0.97		2	ND											3.2	ND
1,2,3,6,7,8-HxCDD					8.58		6.64		2.1	ND											3.3	ND
1,2,3,7,8,9-HxCDD					6.16		4.95		2	ND											3.1	ND
1,2,3,4,6,7,8-HpCDD					166.94		165.11		3.4	ND											4.2	ND
OCDD					1812.24		1917.82		7.6	Q B J											13	B J
2,3,7,8-TCDF					8.20	J#	6.70	#	3.7	ND											5.4	ND
1,2,3,7,8-PeCDF					4.96		4.35		1.7	ND											3.1	ND
2,3,4,7,8-PeCDF					6.70		5.24		1.3	ND											2.4	ND
1,2,3,4,7,8-HxCDF					23.80		19.04		1.4	ND											2.3	ND
1,2,3,6,7,8-HxCDF					7.56		6.14		1.4	ND											2.2	ND
2,3,4,6,7,8-HxCDF					5.57		4.38		1.6	ND											2.5	ND
1,2,3,7,8,9-HxCDF					0.73	J	0.52	J	1.9	ND											3.4	ND
1,2,3,4,6,7,8-HpCDF					100.50		80.42		2.1	ND											3.8	ND
1,2,3,4,7,8,9-HpCDF					6.63		4.45		2.5	ND											8	ND
OCDF					166.84		156.13		3.7	ND											5.4	ND

NA

* = NJDEP Required detection limit

\# = value from 2nd column confirmation

ND = Not detected

B = Indicates analyte detected in method blank as well as associated field sample

J = Detection limit below the reporting limit or is an estimated value

E = Estimated value

Table 18 Volatiles	Action Level		Action Level		Unamended Sediment (Units: ppb)		Amended Sediment (Units: ppb)		MEP Extracts Units:													
ASI ID #	Soil		Leachate		20031393		20031399		MEP Day 1		MEP Day 2		MEP Day 3		MEP Day 4		MEP Day 5		MEP Day 6		MEP Day 7	
STL ID #	ug/kg	*	ug/L	*	Comp N	Q	A Comp N	Q	1 Comp N	Q	2 Comp N	Q	3 Comp N	Q	4 Comp N	Q	5 Comp N	Q	6 Comp N	Q	7 Comp N	Q
Chloromethane (Methyl Chloride)	520000	10	30	10	8.6	ND	7.8	ND														
Bromomethane	79000	10	10	10	8.6	ND	7.8	ND														
Vinyl chloride	2000	10	5	10	8.6	ND	7.8	ND														
Chloroethane	NA	10	NA	10	8.6	ND	7.8	ND														
Methylene chloride (Dichloromethane)	49000	10	3	10	8.6	ND	7.8	ND														
Acetone	1,000,000	10	700	10	17	ND	55															
Carbon disulfide	NA	10	NA	10	8.6	ND	6.7	J														
1,1-Dichloroethene	8000	10	2	10	8.6	ND	7.8	ND														
1,1-Dichloroethane	570000	10	50	10	8.6	ND	7.8	ND														
1,2-Dichloroethene (total)	NA	10	10	10	8.6	ND	7.8	ND														
Chloroform	19000	10	6	10	8.6	ND	7.8	ND														
1,2-Dichloroethane	NA	10	NA	10	8.6	ND	7.8	ND														
2-Butanone (MEK)	1000000	10	300	10	8.6	ND	14															
1,1,1-Trichloroethane	210000	10	30	10	8.6	ND	7.8	ND														
Carbon tetrachloride	2000	10	2	10	8.6	ND	7.8	ND														
Bromodichloromethane	11000	10	1	10	8.6	ND	7.8	ND														
1,2-Dichloropropane	10000	10	1	10	8.6	ND	7.8	ND														
cis-1,3-Dichloropropene	NA	10	NA	10	8.6	ND	7.8	ND														
Trichloroethene	23000	10	1	10	8.6	ND	7.8	ND														
Dibromochloromethane	110000	10	10	10	8.6	ND	7.8	ND														
1,1,2-Trichloroethane	22000	10	3	10	8.6	ND	7.8	ND														
Benzene	3000	10	1	10	8.6	ND	7.8	ND														
trans-1,3-dichloropropene	NA	10	NA	10	8.6	ND	7.8	ND														
Bromoform	86000	10	4	10	8.6	ND	7.8	ND														
4-Methyl-2-pentanone (MIBK)	1000000	10	400	10	8.6	ND	7.8	ND														
2-Hexanone	NA	10	NA	10	8.6	ND	7.8	ND														
Tetrachloroethene	4000	10	1	10	8.6	ND	7.8	ND														
1,1,2,2-Tetrachloroethane	NA	10	NA	10	8.6	ND	7.8	ND														
Toluene	1000000	10	1000	10	8.6	ND	7.8	ND														
Chlorobenzene	37000	10	50	10	8.6	ND	7.8	ND														
Ethyl benzene	1000000	10	700	10	8.6	ND	0.79	J														
Styrene	23000	10	100	10	8.6	ND	7.8	ND														
Xylenes(Total)	410000	10	1000	10	8.6	ND	2	J														

Table 18 Semivolatiles	Action Level		Action Level		Unamended Sediment (Units: ppb)		Amended Sediment (Units: ppb)		MEP Extracts Units:ppm													
ASI ID #	Soil		Leachate		20031393		20031399		MEP Day 1		MEP Day 2		MEP Day 3		MEP Day 4		MEP Day 5		MEP Day 6		MEP Day 7	
STL ID #	ug/kg	*	ug/L	*	Comp N	Q	A Comp N	Q	1 Comp N	Q	2 Comp N	Q	3 Comp N	Q	4 Comp N	Q	5 Comp N	Q	6 Comp N	Q	7 Comp N	Q
Phenol	10,000,000	660	4,000	10	630	ND	620	ND	0.0022	J	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.0015	J	0.01	ND
bis(2-Chloroethyl)ether	660	660	10	10	630	ND	620	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2-Chlorophenol	2000	660	5	10	630	ND	620	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
1,3-Dichlorobenzene	5100000	660	600	10	630	ND	620	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
1,4-Dichlorobenzene	570000	660	75	10	307.31		225		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
1,2-Dichlorobenzene	5100000	660	600	10	630	ND	620	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2-Methylphenol	2800000	660	NA	10	630	ND	620	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
1-Chloropropane-2,2'-oxybis	2300000	660	300	10	630	ND	620	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
4-Methylphenol	2800000	660	NA	10	630	ND	620	ND	0.0034	J	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
N-Nitroso-Di-N-Propylamine	660	660	20	10	630	ND	620	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Hexachloroethane	6000	660	10	10	630	ND	620	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Nitrobenzene	28000	660	10	10	630	ND	620	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Isophorone	1100000	660	100	10	630	ND	620	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2-Nitrophenol	NA	660	NA	10	630	ND	620	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2,4-Dimethylphenol	1100000	660	100	10	630	ND	620	ND	0.0019	J	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
bis(2-Chloroethoxy)methane	NA	660	NA	10	630	ND	620	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2,4-Dichlorophenol	170000	660	20	10	630	ND	620	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
1,2,4-Trichlorobenzene	68000	660	9	10	630	ND	620	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Naphthalene	230000	660	300	10	486.14		289.67		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
4-Chloroaniline	230000	1300	NA	20	120	J	620	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Hexachloro-1,3-butadiene	NA	660	NA	10	630	ND	620	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
4-Chloro-3-methylphenol	10,000,000	1300	NA	20	630	ND	620	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2-Methylnaphthalene	NA	660	NA	10	630	ND	620	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Hexachlorocyclopentadiene	400000	660	50	10	1300	ND	1200	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
2,4,6-Trichlorophenol	62000	660	20	10	630	ND	620	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2,4,5-Trichlorophenol	5600000	660	700	10	630	ND	620	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2-Chloronaphthalene	NA	660	NA	10	630	ND	620	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2-Nitroaniline	NA	3,300	NA	50	3000	ND	3000	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
Dimethylphthalate	10,000,000	660	NA	10	630	ND	620	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Acenaphthylene	NA	660	NA	10	285.38		155.28		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2,6-Dinitrotoluene	1000	660	10	10	630	ND	620	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
3-Nitroaniline	NA	3300	NA	50	3000	ND	3000	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND

Table 18 Semivolatiles continued	Action Level		Action Level		Unamended Sediment (Units: ppb)		Amended Sediment (Units: ppb)		MEP Extracts Units:ppm													
ASI ID #	Soil		Leachate		20031393		20031399		MEP Day 1		MEP Day 2		MEP Day 3		MEP Day 4		MEP Day 5		MEP Day 6		MEP Day 7	
STL ID #	ug/kg	*	ug/L	*	Comp N	Q	A Comp N	Q	1 Comp N	Q	2 Comp N	Q	3 Comp N	Q	4 Comp N	Q	5 Comp N	Q	6 Comp N	Q	7 Comp N	Q
Acenaphthene	3400000	660	400	10	265.16		182.48		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2,4-Dinitrophenol	110000	3300	40	50	3000	ND	3000	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
4-Nitrophenol	NA	3300	NA	50	3000	ND	3000	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
Dibenzofuran	NA	660	NA	10	630	ND	620	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2,4-Dinitrotoluene	1000	660	10	10	630	ND	620	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Diethylphthalate	10,000,000	660	5,000	10	630	ND	620	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
4-Chlorophenyl-phenylether	NA	660	NA	10	630	ND	620	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Fluorene	2300000	660	300	10	217.05		154.15		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
4-Nitroaniline	NA	830	NA	20	1600	ND	1500	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND
4,6-Dinitro-2-methylphenol	NA	3300	NA	50	3000	ND	3000	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
N-Nitrosodiphenylamine	140000	660	20	10	630	ND	620	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
4-Bromophenyl-phenylether	NA	660	NA	10	630	ND	620	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Hexachlorobenzene	660	660	10	10	630	ND	620	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Pentachlorophenol	6000	3300	1	50	3000	ND	3000	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
Phenanthrene	NA	6600	NA	10	1045.32		742		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Anthracene	10000000	6600	2000	10	1477.55		989.57		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Carbazole	NA	330	NA	10	630	ND	620	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Di-n-butylphthalate	5700000	330	900	10	630	ND	620	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.00056	J	0.01	ND
Fluoranthene	2300000	660	300	10	4366.92	D	2547.79	D	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Pyrene	1700000	660	200	10	4702.71	D	2890.93	D	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Butylbenzylphthalate	1100000	660	100	10	210	J	620	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
3,3'-Dichlorobenzidine	2000	1300	60	20	2500	ND	2400	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND
Benzo(a)anthracene	900	660	NA	10	283.186		155.79		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Chrysene	9000	660	NA	10	2381.1		1387.91		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
bis(2-Ethylhexyl)phthalate	49000	660	30	10	4100		4000		0.028		0.0098	J B	0.0021	J	0.0063	J B	0.0024	J	0.01	ND	0.01	ND
Di-n-octylphthalate	1100000	660	100	10	630	ND	620	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Benzo(b)fluoranthene	900	660	NA	10	1[illegible]		950.62		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Benzo(k)fluoranthene	900	660	NA	10	1[illegible]		850.32		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Benzo(a)pyrene	660	660	NA	10	1[illegible]		1100.59		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Indeno(1,2,3-cd)pyrene	900	660	NA	10	[illegible]		637.05		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Dibenzo(a,h)anthracene	660	660	NA	10	320.01		185.78		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Benzo(ghi)perylene	NA	660	NA	10	948.15		550.5		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND

Table 18 Pesticides/Arochlors	Action Level		Action Level		Unamended Sediment (Units: ppb)		Amended Sediment (Units: ppb)		MEP Extracts Units:ppm													
ASI ID #	Soil		Leachate		20031393		20031399		MEP Day 1		MEP Day 2		MEP Day 3		MEP Day 4		MEP Day 5		MEP Day 6		MEP Day 7	
STL ID #	ug/kg	*	ug/L	*	Comp N	Q	A Comp N	Q	1 Comp N	Q	2 Comp N	Q	3 Comp N	Q	4 Comp N	Q	5 Comp N	Q	6 Comp N	Q	7 Comp N	Q
alpha-BHC	NA	1.9	0.02	0.05	16	ND	160	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
beta-BHC	NA	3.3	0.2	0.05	16	ND	160	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
delta-BHC	NA	1.7	NA	0.05	16	ND	160	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
gamma-BHC (Lindane)	520	2	0.2	0.05	16	ND	160	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Heptachlor	150	2.1	0.4	0.05	0.19	ND	0.16	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Aldrin	40	2	0.04	0.05	0.17	ND	0.15	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Heptachlor epoxide	NA	2.1	0.2	0.05	0.17	ND	0.15	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Endosulfan I		2.1	0.4	0.05	0.20	ND	0.18	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.000021	J
Dieldrin	42	3.3	0.03	0.10	3.98		3.77		0.000055	PG	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
4,4'-DDE	2000	4.2	0.1	0.10	463.21	D	318.81	D	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Endrin	17000	3.6	2	0.10	16	ND	160	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Endosulfan II		3.3	0.4	0.10	0.20	ND	0.18	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
4,4'-DDD	3000	4.2	0.1	0.10	369.81	D	225.54	D	0.000034	J PG	0.00005	ND	0.00005	ND	0.000076	PG	0.00005	ND	0.00005	ND	0.00005	ND
Endosulfan sulfate	NA	3.6	0.4	0.10	0.24	ND	0.21	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
4,4'-DDT	2000	3.6	0.1	0.10	164.51	D	95.30	D	0.000018	J PG	0.00005	ND	0.00005	ND	0.000091	PG	0.00005	ND	0.00005	ND	0.00005	ND
Methoxychlor	280000	17	40	0.50	300	PG	1400		0.0001	ND	0.000039	J	0.0001	ND	0.000041	J PG	0.000057	J PG	0.000059	J	0.000082	J
Endrin ketone	NA	3.3	NA	0.10	16	ND	160	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Endrin aldehyde	NA	3.3	NA	0.10	16	ND	160	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
alpha-Chlordane	500	1.7	NA	0.05	6.62		5.05		0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
gamma-Chlordane	NA	1.7	0.5	0.05	15	J	160	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Toxaphene	100	170	3	5.00	640	ND	6200	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND
Arochlor-1016 **		33		1.00	31	ND	31	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Arochlor-1221 **		67		2.00	31	ND	31	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Arochlor-1232 **		33		1.00	31	ND	31	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Arochlor-1242 **		33		1.00	31	ND	31	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Arochlor-1248 **		33		1.00	560		390		0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Arochlor-1254 **		33		1.00	31	ND	31	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Arochlor-1260 **		33		1.00	31	ND	31	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Total Arochlor(SUM)	490		0.5																			

** Reported as units = ppm

Table 18 Metals	Action Level		Action Level		Unamended Sediment (Units: ppm)		Amended Sediment (Units: ppm)		MEP Extracts Units:ppm													
ASI ID #	Soil		Leachate		20031393		20031399		MEP Day 1		MEP Day 2		MEP Day 3		MEP Day 4		MEP Day 5		MEP Day 6		MEP Day 7	
STL ID #	mg/Kg	*	mg/L	*	Comp N	Q	A Comp N	Q	1 Comp N	Q	2 Comp N	Q	3 Comp N	Q	4 Comp N	Q	5 Comp N	Q	6 Comp N	Q	7 Comp N	Q
Aluminum	NA	40	0.2	200	9940		11800		[illegible]		[illegible]		[illegible]		3.6		[illegible]		[illegible]		[illegible]	
Antimony	14	12	0.02	60	1.1	N	0.93	ND	0.005	B J	0.01	ND	0.01	ND	0.01		0.005	B	0.0053	B	0.0079	B
Arsenic	20	2	0.008	10	[illegible]		[illegible]		0.01	ND	0.01	ND	0.0027	B	0.0026	B	0.0027	B	0.0053	B	0.0045	B
Barium	700	40	2	200	621		[illegible]		0.44	J	0.29	J	0.12	B J	0.093	B J	0.086	B	0.082	B	0.079	B
Beryllium	1	1	0.02	5	0.78		0.78		0.004	ND	0.001	B J	0.0014	B J	0.00094	B	0.004	ND	0.00087	B J	0.001	B J
Cadmium	1	1	0.004	5	[illegible]		[illegible]		0.005	ND	0.005	ND	0.005	ND	0.005		0.005	ND	0.005	ND	0.005	ND
Calcium	NA	1000	NA	5000	5980	E	53800	E	296		168	J	129	J	105	J	75.6		65.2		57.1	J
Chromium	NA	2	0.1	10	216		453		0.031		0.059		0.071		0.075		0.061		0.049		0.043	
Cobalt	NA	10	NA	50	9	E	8.5		0.05	ND	0.00065	B	0.05	ND	0.05		0.05	ND	0.05	ND	0.05	ND
Copper	600	5	1	25	380		356		0.1		0.058		0.052		0.05		0.043		0.043		0.04	
Iron	NA	20	0.3	1000	21300		20400	E	0.036	B	0.1	ND	0.02	B	0.1		0.1	ND	0.023	B J	0.1	ND
Lead	400	0.6	0.01	3	290		[illegible]		0.003	ND	0.003	ND	0.003	ND	0.003		0.003	ND	0.003	ND	0.003	ND
Magnesium	NA	1000	NA	5000	5720		7920		0.017	B	0.053	B	0.03	B	0.028	B	0.027	B	0.046	B	0.051	B
Manganese	NA	3	0.05	15	315		416	E	0.015	ND	0.015	ND	0.015	ND	0.015		0.015		0.015	ND	0.015	ND
Mercury	14	0.1	0.002	0.2	7.12		6.92		0.0002	ND	0.0002	ND	0.0002	ND	0.0002		0.000026	B	0.0002	ND	0.0002	ND
Nickel	250	8	0.1	40	62.8		63.3		0.038	B	0.0082	B	0.0046	B	0.0038	B	0.0026	B	0.0024	B	0.002	B
Potassium	NA	1000	NA	5000	2530		3380		49.3		5.3	J	1.5	B	0.71	B	0.5	B	0.4	B	0.41	B
Selenium	63	1	0.05	5	2.1		1.6		0.0037	B	0.0054		0.0064		0.0052	J	0.0042	B	0.0025	B	0.0024	B
Silver	110	2	NA	10	3.27		3.15		0.005	ND	0.005	ND	0.00062	B	0.005		0.005	ND	0.005	ND	0.005	ND
Sodium	NA	1000	50	5,000	6870		5420		[illegible]		17.5		6.8		5.7		5.5		5.7		5.9	
Thallium	2	2	0.01	10	0.31	B	0.93	ND	0.01	ND	0.01	ND	0.01	ND	0.01		0.01	ND	0.01	ND	0.01	ND
Vanadium	370	10	NA	50	34.7		38.4		0.0034	B	0.0066	B	0.01	B	0.013	B	0.018	B	0.021	B	0.023	B
Zinc	1500	4	5	20	407		629		0.0073	B J	0.0024	B J	0.0013	B	0.0076	B	0.0043	B	0.0089	B	0.002	B
Cyanide, total	1100	0.5	0.2	10	0.43	B	0.49	B														
%Solids					55.6		61.3															

Table 18 Dioxins	Action Level		Action Level		Unamended Sediment (Units:ppt)		Amended Sediment (Units:ppt)		MEP Extracts Units:pg/L													
ASI ID #	Soil		Leachate		20031393		20031399		MEP Day 1		MEP Day 2		MEP Day 3		MEP Day 4		MEP Day 5		MEP Day 6		MEP Day 7	
STL ID #	ug/kg		ug/L		Comp N	Q	A Comp N	Q	1 Comp N	Q	2 Comp N	Q	3 Comp N	Q	4 Comp N	Q	5 Comp N	Q	6 Comp N	Q	7 Comp N	Q
2,3,7,8-TCDD					60.23		53.09		3.2	ND	[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		4.7	ND
1,2,3,7,8-PeCDD					4.60		3.43		2	ND	[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		2.2	ND
1,2,3,4,7,8-HxCDD					3.18		2.96		2.5	ND	[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		2.4	ND
1,2,3,6,7,8-HxCDD					23.59		23.20		2.8	ND	[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		2.5	ND
1,2,3,7,8,9-HxCDD					14.71		12.94		2.5	ND	[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		2.3	ND
1,2,3,4,6,7,8-HpCDD					461.99		610.55		3.3	ND	[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		2.9	ND
OCDD					6005.10		7403.87		3.5	ND	[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		2.9	ND
2,3,7,8-TCDF					17.87	#	20.42	#	3.1	ND	[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		3.8	ND
1,2,3,7,8-PeCDF					14.94		11.83		1.6	ND	[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		2.1	ND
2,3,4,7,8-PeCDF					18.84		16.41		1.3	ND	[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		1.5	ND
1,2,3,4,7,8-HxCDF					73.76		64.47		1.3	ND	[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		1.6	ND
1,2,3,6,7,8-HxCDF					22.58		20.56		1.3	ND	[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		1.6	ND
2,3,4,6,7,8-HxCDF					14.69		12.67		1.5	ND	[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		1.9	ND
1,2,3,7,8,9-HxCDF					1.51	J	1.32	J	1.7	ND	[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		2.4	ND
1,2,3,4,6,7,8-HpCDF					316.22		260.43		2.2	ND	[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		2.4	ND
1,2,3,4,7,8,9-HpCDF					25.08		18.54		2.5	ND	[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		4.4	ND
OCDF					681.01		497.70		3.6	ND	[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		3	ND

NA

* = NJDEP Required detection limit

\# = value from 2nd column confirmation

ND = Not detected

B = Indicates analyte detected in method blank as well as associated field sample

J = Detection limit below the reporting limit or is an estimated value

E = Estimated value

Table 19 Volatiles	Action Level		Action Level		Unamended Sediment (Units: ppb)		Amended Sediment (Units: ppb)		MEP Extracts Units:													
ASI ID #	Soil		Leachate		20031403		20031407		MEP Day 1		MEP Day 2		MEP Day 3		MEP Day 4		MEP Day 5		MEP Day 6		MEP Day 7	
STL ID #	ug/kg	*	ug/L	*	Comp O	Q	A Comp O	Q	1 Comp O	Q	2 Comp O	Q	3 Comp O	Q	4 Comp O	Q	5 Comp O	Q	6 Comp O	Q	7 Comp O	Q
Chloromethane (Methyl Chloride)	520000	10	30	10	9.4	ND	8.2	ND														
Bromomethane	79000	10	10	10	9.4	ND	8.2	ND														
Vinyl chloride	2000	10	5	10	9.4	ND	8.2	ND														
Chloroethane	NA	10	NA	10	9.4	ND	8.2	ND														
Methylene chloride (Dichloromethane)	49000	10	3	10	9.4	ND	8.2	ND														
Acetone	1,000,000	10	700	10	23		16	ND														
Carbon disulfide	NA	10	NA	10	1.5	J	1.3	J														
1,1-Dichloroethene	8000	10	2	10	9.4	ND	8.2	ND														
1,1-Dichloroethane	570000	10	50	10	9.4	ND	8.2	ND														
1,2-Dichloroethene (total)	NA	10	10	10	9.4	ND	8.2	ND														
Chloroform	19000	10	6	10	9.4	ND	8.2	ND														
1,2-Dichloroethane	NA	10	NA	10	9.4	ND	8.2	ND														
2-Butanone (MEK)	1000000	10	300	10	9.4	ND	8.2	ND														
1,1,1-Trichloroethane	210000	10	30	10	9.4	ND	8.2	ND														
Carbon tetrachloride	2000	10	2	10	9.4	ND	8.2	ND														
Bromodichloromethane	11000	10	1	10	9.4	ND	8.2	ND														
1,2-Dichloropropane	10000	10	1	10	9.4	ND	8.2	ND														
cis-1,3-Dichloropropene	NA	10	NA	10	9.4	ND	8.2	ND														
Trichloroethene	23000	10	1	10	9.4	ND	8.2	ND														
Dibromochloromethane	110000	10	10	10	9.4	ND	8.2	ND														
1,1,2-Trichloroethane	22000	10	3	10	9.4	ND	8.2	ND														
Benzene	3000	10	1	10	9.4	ND	8.2	ND														
trans-1,3-dichloropropene	NA	10	NA	10	9.4	ND	8.2	ND														
Bromoform	86000	10	4	10	9.4	ND	8.2	ND														
4-Methyl-2-pentanone (MIBK)	1000000	10	400	10	9.4	ND	8.2	ND														
2-Hexanone	NA	10	NA	10	9.4	ND	8.2	ND														
Tetrachloroethene	4000	10	1	10	9.4	ND	8.2	ND														
1,1,2,2-Tetrachloroethane	NA	10	NA	10	9.4	ND	8.2	ND														
Toluene	1000000	10	1000	10	9.4	ND	8.2	ND														
Chlorobenzene	37000	10	50	10	9.4	ND	8.2	ND														
Ethyl benzene	1000000	10	700	10	9.4	ND	8.2	ND														
Styrene	23000	10	100	10	9.4	ND	8.2	ND														
Xylenes(Total)	410000	10	1000	10	9.4	ND	8.2	ND														

Table 19 Semivolatiles	Action Level		Action Level		Unamended Sediment (Units: ppb)		Amended Sediment (Units: ppb)		MEP Extracts Units:ppm													
ASI ID #	Soil		Leachate		20031403		20031407		MEP Day 1		MEP Day 2		MEP Day 3		MEP Day 4		MEP Day 5		MEP Day 6		MEP Day 7	
STL ID #	ug/kg	*	ug/L	*	Comp O	Q	A Comp O	Q	1 Comp O	Q	2 Comp O	Q	3 Comp O	Q	4 Comp O	Q	5 Comp O	Q	6 Comp O	Q	7 Comp O	Q
Phenol	10,000,000	660	4,000	10	620	ND	650	ND	0.0022	J	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
bis(2-Chloroethyl)ether	660	660	10	10	620	ND	650	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2-Chlorophenol	2000	660	5	10	620	ND	650	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
1,3-Dichlorobenzene	5100000	660	600	10	620	ND	650	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
1,4-Dichlorobenzene	570000	660	75	10	161.92		127.36		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
1,2-Dichlorobenzene	5100000	660	600	10	620	ND	650	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2-Methylphenol	2800000	660	NA	10	620	ND	650	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
1-Chloropropane-2,2'-oxybis	2300000	660	300	10	620	ND	650	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
4-Methylphenol	2800000	660	NA	10	620	ND	650	ND	0.0016	J	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
N-Nitroso-Di-N-Propylamine	660	660	20	10	620	ND	650	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Hexachloroethane	6000	660	10	10	620	ND	650	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Nitrobenzene	28000	660	10	10	620	ND	650	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Isophorone	1100000	660	100	10	620	ND	650	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2-Nitrophenol	NA	660	NA	10	620	ND	650	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2,4-Dimethylphenol	1100000	660	100	10	620	ND	650	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
bis(2-Chloroethoxy)methane	NA	660	NA	10	620	ND	650	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2,4-Dichlorophenol	170000	660	20	10	620	ND	650	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
1,2,4-Trichlorobenzene	68000	660	9	10	620	ND	650	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Naphthalene	230000	660	300	10	1061.9		1809.58		0.00086	J	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
4-Chloroaniline	230000	1300	NA	20	82	J	650	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Hexachloro-1,3-butadiene	NA	660	NA	10	620	ND	650	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
4-Chloro-3-methylphenol	10,000,000	1300	NA	20	620	ND	650	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2-Methylnaphthalene	NA	660	NA	10	140	J	650	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Hexachlorocyclopentadiene	400000	660	50	10	1200	ND	1300	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
2,4,6-Trichlorophenol	62000	660	20	10	620	ND	650	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2,4,5-Trichlorophenol	5600000	660	700	10	620	ND	650	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2-Chloronaphthalene	NA	660	NA	10	620	ND	650	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2-Nitroaniline	NA	3,300	NA	50	3000	ND	3100	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
Dimethylphthalate	10,000,000	660	NA	10	620	ND	650	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Acenaphthylene	NA	660	NA	10	521.69		929.14		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2,6-Dinitrotoluene	1000	660	10	10	620	ND	650	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
3-Nitroaniline	NA	3300	NA	50	3000	ND	3100	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND

Table 19 Semivolatiles continued	Action Level		Action Level		Unamended Sediment (Units: ppb)		Amended Sediment (Units: ppb)		MEP Extracts Units:ppm													
ASI ID #	Soil		Leachate		20031403		20031407		MEP Day 1		MEP Day 2		MEP Day 3		MEP Day 4		MEP Day 5		MEP Day 6		MEP Day 7	
STL ID #	ug/kg	*	ug/L	*	Comp O	Q	A Comp O	Q	1 Comp O	Q	2 Comp O	Q	3 Comp O	Q	4 Comp O	Q	5 Comp O	Q	6 Comp O	Q	7 Comp O	Q
Acenaphthene	3400000	660	400	10	995.9		1072.11		0.0023	J	0.0019	J	0.0016	J	0.0015	J	0.00081	J	0.0014	J	0.00083	J
2,4-Dinitrophenol	110000	3300	40	50	3000	ND	3100	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
4-Nitrophenol	NA	3300	NA	50	3000	ND	3100	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
Dibenzofuran	NA	660	NA	10	620	ND	87	J	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2,4-Dinitrotoluene	1000	660	10	10	620	ND	650	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Diethylphthalate	10,000,000	660	5,000	10	620	ND	650	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
4-Chlorophenyl-phenylether	NA	660	NA	10	620	ND	650	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Fluorene	2300000	660	300	10	757.57		803.53		0.0012	J	0.0011	J	0.00098	J	0.00087	J	0.01	ND	0.00087	J	0.01	ND
4-Nitroaniline	NA	830	NA	20	1600	ND	1600	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND
4,6-Dinitro-2-methylphenol	NA	3300	NA	50	3000	ND	3100	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
N-Nitrosodiphenylamine	140000	660	20	10	620	ND	650	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
4-Bromophenyl-phenylether	NA	660	NA	10	620	ND	650	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Hexachlorobenzene	660	660	10	10	620	ND	650	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Pentachlorophenol	6000	3300	1	50	3000	ND	3100	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
Phenanthrene	NA	6600	NA	10	3626.86	D	3728.23	D	0.002	J	0.0018	J	0.0019	J	0.0017	J	0.0014	J	0.0021	J	0.0016	J
Anthracene	10000000	6600	2000	10	2440.23		3922.62	D	0.0008	J	0.00073	J	0.00071	J	0.01	ND	0.01	ND	0.00072	J	0.01	ND
Carbazole	NA	330	NA	10	90	J	650	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Di-n-butylphthalate	5700000	330	900	10	620	ND	650	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Fluoranthene	2300000	660	300	10	8001.03	D	19040.13	D	0.00071	J	0.0007	J	0.00077	J	0.01	ND	0.01	ND	0.00076	J	0.01	ND
Pyrene	1700000	660	200	10	8249.85	D	16212.01	D	0.01	ND	0.00064	J	0.00076	J	0.00073	J	0.01	ND	0.0008	J	0.00075	J
Butylbenzylphthalate	1100000	660	100	10	620	ND	650		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
3,3'-Dichlorobenzidine	2000	1300	60	20	2500	ND	2600	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND
Benzo(a)anthracene	900	660	NA	10	[illegible]	D	[illegible]	D	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Chrysene	9000	660	NA	10	4073.16	D	[illegible]	D	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
bis(2-Ethylhexyl)phthalate	49000	660	30	10	1700		1600		0.0075	J	0.0088	J B	0.0044	J	0.0019	J B	0.0016	J	0.01	ND	0.01	ND
Di-n-octylphthalate	1100000	660	100	10	620	ND	650	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Benzo(b)fluoranthene	900	660	NA	10	[illegible]	D	[illegible]	D	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Benzo(k)fluoranthene	900	660	NA	10	[illegible]	D	[illegible]	D	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Benzo(a)pyrene	660	660	NA	10	[illegible]	D	[illegible]	D	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Indeno(1,2,3-cd)pyrene	900	660	NA	10	[illegible]		[illegible]	D	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Dibenzo(a,h)anthracene	660	660	NA	10	624.49		[illegible]		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Benzo(ghi)perylene	NA	660	NA	10	1785.69		3755.16	D	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND

Table 19 Pesticides/Arochlors	Action Level		Action Level		Unamended Sediment (Units: ppb)		Amended Sediment (Units: ppb)		MEP Extracts Units:ppb													
ASI ID #	Soil		Leachate		20031403		20031407		MEP Day 1		MEP Day 2		MEP Day 3		MEP Day 4		MEP Day 5		MEP Day 6		MEP Day 7	
STL ID #	ug/kg	*	ug/L	*	Comp O	Q	A Comp O	Q	1 Comp O	Q	2 Comp O	Q	3 Comp O	Q	4 Comp O	Q	5 Comp O	Q	6 Comp O	Q	7 Comp O	Q
alpha-BHC	NA	1.9	0.02	0.05	16	ND	17	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
beta-BHC	NA	3.3	0.2	0.05	16	ND	17	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
delta-BHC	NA	1.7	NA	0.05	16	ND	17	ND	0.00005	ND	0.000016	J PG	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
gamma-BHC (Lindane)	520	2	0.2	0.05	16	ND	17	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Heptachlor	150	2.1	0.4	0.05	0.20	ND	0.17	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Aldrin	40	2	0.04	0.05	0.18	ND	0.15	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Heptachlor epoxide	NA	2.1	0.2	0.05	0.18	ND	0.15	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Endosulfan I		2.1	0.4	0.05	0.22	ND	0.19	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Dieldrin	42	3.3	0.03	0.10	2.93		1.72		0.000038	J PG	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
4,4'-DDE	2000	4.2	0.1	0.10	384.39	D	260.28	D	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Endrin	17000	3.6	2	0.10	16	ND	17		0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Endosulfan II		3.3	0.4	0.10	0.21	ND	0.18	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
4,4'-DDD	3000	4.2	0.1	0.10	505.68	D	336.58	D	0.000073	PG	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Endosulfan sulfate	NA	3.6	0.4	0.10	0.25	ND	0.21	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
4,4'-DDT	2000	3.6	0.1	0.10	256.71	D	465.66	D	0.00005	ND	0.000048	J PG	0.00005	ND	0.00005	ND	0.000029	J PG	0.00005	ND	0.00005	ND
Methoxychlor	280000	17	40	0.50	31	ND	32	ND	0.0001	ND	0.0001	ND	0.0001	ND	0.0001	ND	0.0001	ND	0.0001	ND	0.0001	ND
Endrin ketone	NA	3.3	NA	0.10	16	ND	17	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Endrin aldehyde	NA	3.3	NA	0.10	16	ND	17	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
alpha-Chlordane	500	1.7	NA	0.05	3.59		4.21		0.000018	J PG	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
gamma-Chlordane	NA	1.7	0.5	0.05	4.9	J	3.1	J PG	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Toxaphene	100	170	3	5.00	630	ND	660	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND
Arochlor-1016 **		33		1.00	31	ND	32	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Arochlor-1221 **		67		2.00	31	ND	32	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Arochlor-1232 **		33		1.00	31	ND	32	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Arochlor-1242 **		33		1.00	31	ND	32	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Arochlor-1248 **		33		1.00	170		160		0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Arochlor-1254 **		33		1.00	31	ND	32	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Arochlor-1260 **		33		1.00	31	ND	32	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Total Arochlor(SUM)	490		0.5																			

** Reported as units = ppm

Table 19 Metals	Action Level		Action Level		Unamended Sediment (Units: ppm)		Amended Sediment (Units: ppm)		MEP Extracts Units:ppm													
ASI ID #	Soil		Leachate		20031403		20031407		MEP Day 1		MEP Day 2		MEP Day 3		MEP Day 4		MEP Day 5		MEP Day 6		MEP Day 7	
STL ID #	mg/Kg	*	mg/L	*	Comp O	Q	A Comp O	Q	1 Comp O	Q	2 Comp O	Q	3 Comp O	Q	4 Comp O	Q	5 Comp O	Q	6 Comp O	Q	7 Comp O	Q
Aluminum	NA	40	0.2	200	10400		11600		[redacted]		[redacted]		[redacted]		[redacted]		[redacted]		[redacted]	J	[redacted]	
Antimony	14	12	0.02	60	0.27	BN	0.97	BN	0.0037	B J	0.01	ND	0.01	ND	0.0033	B	0.0073	B	0.007	B	0.0058	B
Arsenic	20	2	0.008	10	[redacted]		[redacted]		0.01	ND	0.01	ND	0.01	ND	0.003	B	0.0032	B	0.0057	B	0.0064	B
Barium	700	40	2	200	402		358		0.31	J	0.099	B J	0.31	J	0.045	B J	0.039	B	0.048	B	0.042	B
Beryllium	1	1	0.02	5	0.85		0.75		0.004	ND	0.001	B J	0.0015	B J	0.001	B	0.004	ND	0.00092	B J	0.0011	B J
Cadmium	1	1	0.004	5	[redacted]		[redacted]		0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.0005	B
Calcium	NA	1000	NA	5000	6520	E	62900	E	303		173	J	125	J	98.9	J	71.3		60.8		53.9	J
Chromium	NA	2	0.1	10	191		221		0.03		0.062		0.067		0.074		0.05		0.039		0.036	
Coball	NA	10	NA	50	9.6	E	8.7		0.00079	B	0.00077	B	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
Copper	600	5	1	25	384		419		0.11		0.067		0.052		0.048		0.044		0.039		0.038	
Iron	NA	20	0.3	1000	24500		21500	E	0.039	B	0.1	ND	0.1	ND	0.1	ND	0.025	B	0.76	J	0.1	ND
Lead	400	0.6	0.01	3	359		393		0.004		0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND
Magnesium	NA	1000	NA	5000	6170		7930		0.015	B	0.023	B	0.16	B	0.03	B	0.033	B	0.057	B	0.062	B
Manganese	NA	3	0.05	15	330		429	E	0.015	ND	0.015	ND	0.015	ND	0.015	ND	0.015	ND	0.0068	B J	0.015	ND
Mercury	14	0.1	0.002	0.2	6.26		5.24		0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND
Nickel	250	8	0.1	40	57.2		59.2		0.039	B	0.0091	B	0.0038	B	0.0034	B	0.0025	B	0.0022	B	0.002	B
Potassium	NA	1000	NA	5000	2480		3320		43.5		5.9	J	1.7	B	0.74	B	0.56	B	0.46	B	0.46	B
Selenium	63	1	0.05	5	2.2		1.7		0.0035	B	0.0045	B	0.004	B	0.0044	B J	0.0023	B	0.0027	B	0.005	ND
Silver	110	2	NA	10	3.62		3.08		0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND
Sodium	NA	1000	50	5,000	5830		4900		[redacted]		16.4		20.3		5.3		5.7		5.5		6.1	
Thallium	2	2	0.01	10	0.94	ND	0.98	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Vanadium	370	10	NA	50	33.3		37.3		0.003	B	0.0077	B	0.011	B	0.016	B	0.019	B	0.022	B	0.022	B
Zinc	1500	4	5	20	461		579		0.0043	B J	0.0027	B J	0.0032	B	0.0019	B	0.0032	B	0.061		0.0025	B
Cyanide, total	1100	0.5	0.2	10	0.38	B	0.72	B														
%Solids					50.7		60.2															

Table 19 Dioxins	Action Level		Action Level		Unamended Sediment (Units:ppt)		Amended Sediment (Units:ppt)		MEP Extracts Units:pg/L													
ASI ID #	Soil		Leachate		20031403		20031407		MEP Day 1		MEP Day 2		MEP Day 3		MEP Day 4		MEP Day 5		MEP Day 6		MEP Day 7	
STL ID #	ug/kg		ug/L		Comp O	Q	A Comp O	Q	1 Comp O	Q	2 Comp O	Q	3 Comp O	Q	4 Comp O	Q	5 Comp F	Q	6 Comp F	Q	7 Comp F	Q
2,3,7,8-TCDD					22.77		21.35		6.3	ND	[redacted]		[redacted]		[redacted]		[redacted]		[redacted]		5.7	ND
1,2,3,7,8-PeCDD					3.35		2.89	J	3.8	ND	[redacted]		[redacted]		[redacted]		[redacted]		[redacted]		2.7	ND
1,2,3,4,7,8-HxCDD					2.66		1.72	J	4.4	ND	[redacted]		[redacted]		[redacted]		[redacted]		[redacted]		2.8	ND
1,2,3,6,7,8-HxCDD					3.32		14.51		4.7	ND	[redacted]		[redacted]		[redacted]		[redacted]		[redacted]		3.1	ND
1,2,3,7,8,9-HxCDD					11.69		9.03		4.4	ND	[redacted]		[redacted]		[redacted]		[redacted]		[redacted]		2.8	ND
1,2,3,4,6,7,8-HpCDD					295.92		291.25		8.5	ND	[redacted]		[redacted]		[redacted]		[redacted]		[redacted]		3.8	ND
OCDD					3627.42		3618.83		12	ND	[redacted]		[redacted]		[redacted]		[redacted]		[redacted]		3.7	ND
2,3,7,8-TCDF					15.96	J#	59.48	ND#	6.3	ND	[redacted]		[redacted]		[redacted]		[redacted]		[redacted]		5.4	ND
1,2,3,7,8-PeCDF					9.30		3.97	J	2.7	ND	[redacted]		[redacted]		[redacted]		[redacted]		[redacted]		2.5	ND
2,3,4,7,8-PeCDF					13.39		9.75		2.1	ND	[redacted]		[redacted]		[redacted]		[redacted]		[redacted]		2	ND
1,2,3,4,7,8-HxCDF					50.61		70.56		2.4	ND	[redacted]		[redacted]		[redacted]		[redacted]		[redacted]		1.6	ND
1,2,3,6,7,8-HxCDF					17.08		11.72	J	2.5	ND	[redacted]		[redacted]		[redacted]		[redacted]		[redacted]		1.6	ND
2,3,4,6,7,8-HxCDF					10.54		8.74	J	2.9	ND	[redacted]		[redacted]		[redacted]		[redacted]		[redacted]		1.8	ND
1,2,3,7,8,9-HxCDF					1.44		1.89	J	4.1	ND	[redacted]		[redacted]		[redacted]		[redacted]		[redacted]		2.1	ND
1,2,3,4,6,7,8-HpCDF					212.60		164.62		4.7	ND	[redacted]		[redacted]		[redacted]		[redacted]		[redacted]		2.6	ND
1,2,3,4,7,8,9-HpCDF					14.77		11.51		6.8	ND	[redacted]		[redacted]		[redacted]		[redacted]		[redacted]		3.5	ND
OCDF					391.62		264.25		11	ND	[redacted]		[redacted]		[redacted]		[redacted]		[redacted]		4.3	ND

NA

* = NJDEP Required detection limit

\# = value from 2nd column confirmation

ND = Not detected

B = Indicates analyte detected in method blank as well as associated field sample

J = Detection limit below the reporting limit or is an estimated value

E = Estimated value

Table 20 Volatiles	Action Level		Action Level		Unamended Sediment (Units: ppb)		Amended Sediment (Units: ppb)		MEP Extracts													
ASI ID #	Soil	*	Leachate	*	20031394		20031400		MEP Day 1		MEP Day 2		MEP Day 3		MEP Day 4		MEP Day 5		MEP Day 6		MEP Day 7	
STL ID #	ug/kg		ug/L		Comp P	Q	A Comp P	Q	1 Comp P	Q	2 Comp P	Q	3 Comp P	Q	4 Comp P	Q	5 Comp P	Q	6 Comp P	Q	7 Comp P	Q
Chloromethane (Methyl Chloride)	520000	10	30	10	11	ND	9.2	ND														
Bromomethane	79000	10	10	10	11	ND	9.2	ND														
Vinyl chloride	2000	10	5	10	11	ND	9.2	ND														
Chloroethane	NA	10	NA	10	11	ND	9.2	ND														
Methylene chloride (Dichloromethane)	49000	10	3	10	11	ND	9.2	ND														
Acetone	1,000,000	10	700	10	31		95															
Carbon disulfide	NA	10	NA	10	4.1	J	6.1	J														
1,1-Dichloroethene	8000	10	2	10	11	ND	9.2	ND														
1,1-Dichloroethane	570000	10	50	10	11	ND	9.2	ND														
1,2-Dichloroethene (total)	NA	10	10	10	11	ND	9.2	ND														
Chloroform	19000	10	6	10	11	ND	9.2	ND														
1,2-Dichloroethane	NA	10	NA	10	11	ND	9.2	ND														
2-Butanone (MEK)	1000000	10	300	10	6.1	J	15															
1,1,1-Trichloroethane	210000	10	30	10	11	ND	9.2	ND														
Carbon tetrachloride	2000	10	2	10	11	ND	9.2	ND														
Bromodichloromethane	11000	10	1	10	11	ND	9.2	ND														
1,2-Dichloropropane	10000	10	1	10	11	ND	9.2	ND														
cis-1,3-Dichloropropene	NA	10	NA	10	11	ND	9.2	ND														
Trichloroethene	23000	10	1	10	11	ND	9.2	ND														
Dibromochloromethane	110000	10	10	10	11	ND	9.2	ND														
1,1,2-Trichloroethane	22000	10	3	10	11	ND	9.2	ND														
Benzene	3000	10	1	10	3.6	J	9.2	ND														
trans-1,3-dichloropropene	NA	10	NA	10	11	ND	9.2	ND														
Bromoform	86000	10	4	10	11	ND	9.2	ND														
4-Methyl-2-pentanone (MIBK)	1000000	10	400	10	11	ND	9.2	ND														
2-Hexanone	NA	10	NA	10	11	ND	9.2	ND														
Tetrachloroethene	4000	10	1	10	11	ND	9.2	ND														
1,1,2,2-Tetrachloroethane	NA	10	NA	10	11	ND	9.2	ND														
Toluene	1000000	10	1000	10	1.2	J	9.2	ND														
Chlorobenzene	37000	10	50	10	11	ND	9.2	ND														
Ethyl benzene	1000000	10	700	10	1.7	J	9.2	ND														
Styrene	23000	10	100	10	11	ND	9.2	ND														
Xylenes(Total)	410000	10	1000	10	26		5.6	J														

Table 20 Semivolatiles	Action Level		Action Level		Unamended Sediment (Units: ppb)		Amended Sediment (Units: ppb)		MEP Extracts Units:ppm													
ASI ID #	Soil	*	Leachate	*	20031394		20031400		MEP Day 1		MEP Day 2		MEP Day 3		MEP Day 4		MEP Day 5		MEP Day 6		MEP Day 7	
STL ID #	ug/kg		ug/L		Comp P	Q	A Comp P	Q	1 Comp P	Q	2 Comp P	Q	3 Comp P	Q	4 Comp P	Q	5 Comp P	Q	6 Comp P	Q	7 Comp P	Q
Phenol	10,000,000	660	4,000	10	690	ND	1500	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
bis(2-Chloroethyl)ether	660	660	10	10	690	ND	1500	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2-Chlorophenol	2000	660	5	10	690	ND	1500	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
1,3-Dichlorobenzene	5100000	660	600	10	690	ND	1500	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
1,4-Dichlorobenzene	570000	660	75	10	295.63		217.65		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
1,2-Dichlorobenzene	5100000	660	600	10	690	ND	1500	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2-Methylphenol	2800000	660	NA	10	690	ND	1500	ND	0.0015	J	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
1-Chloropropane-2,2'-oxybis	2300000	660	300	10	690	ND	1500	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
4-Methylphenol	2800000	660	NA	10	690	ND	1500	ND	0.005	J	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
N-Nitroso-Di-N-Propylamine	660	660	20	10	690	ND	1500	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Hexachloroethane	6000	660	10	10	690	ND	1500	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Nitrobenzene	28000	660	10	10	690	ND	1500	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Isophorone	1100000	660	100	10	690	ND	1500	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2-Nitrophenol	NA	660	NA	10	690	ND	1500	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2,4-Dimethylphenol	1100000	660	100	10	690	ND	1500	ND	0.0026	J	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
bis(2-Chloroethoxy)methane	NA	660	NA	10	690	ND	1500	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2,4-Dichlorophenol	170000	660	20	10	690	ND	1500	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
1,2,4-Trichlorobenzene	68000	660	9	10	690	ND	1500	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Naphthalene	230000	660	300	10	779.09		556.58		0.0038	J	0.0015	J	0.0012	J	0.01	ND	0.01	ND	0.01	ND	0.01	ND
4-Chloroaniline	230000	1300	NA	20	110	J	1500	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Hexachloro-1,3-butadiene	NA	660	NA	10	690	ND	1500	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
4-Chloro-3-methylphenol	10,000,000	1,300	NA	20	690	ND	1500	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2-Methylnaphthalene	NA	660	NA	10	120	J	1500	ND	0.0017	J	0.0011	J	0.0012	J	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Hexachlorocyclopentadiene	400000	660	50	10	1400	ND	3100	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
2,4,6-Trichlorophenol	62000	660	20	10	690	ND	1500	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2,4,5-Trichlorophenol	5600000	660	700	10	690	ND	1500	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2-Chloronaphthalene	NA	660	NA	10	690	ND	1500	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2-Nitroaniline	NA	3300	NA	50	3400	ND	7400	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
Dimethylphthalate	10,000,000	660	NA	10	690	ND	1500	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Acenaphthylene	NA	660	NA	10	247.98		217.38		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2,6-Dinitrotoluene	1000	660	10	10	690	ND	1500	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
3-Nitroaniline	NA	3300	NA	50	3400	ND	7400	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND

Table 20 Semivolatiles continued	Action Level		Action Level		Unamended Sediment (Units: ppb)		Amended Sediment (Units: ppb)		MEP Extracts Units:ppm													
ASI ID #	Soil	*	Leachate	*	20031394		20031400		MEP Day 1		MEP Day 2		MEP Day 3		MEP Day 4		MEP Day 5		MEP Day 6		MEP Day 7	
STL ID #	ug/kg		ug/L		Comp P	Q	A Comp P	Q	1 Comp P	Q	2 Comp P	Q	3 Comp P	Q	4 Comp P	Q	5 Comp P	Q	6 Comp P	Q	7 Comp P	Q
Acenaphthene	3400000	660	400	10	336.45		289.01		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2,4-Dinitrophenol	110000	3300	40	50	3400	ND	7400	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
4-Nitrophenol	NA	3300	NA	50	3400	ND	7400	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
Dibenzofuran	NA	660	NA	10	690	ND	1500	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2,4-Dinitrotoluene	1000	660	10	10	690	ND	1500	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Diethylphthalate	10,000,000	660	5,000	10	690	ND	1500	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
4-Chlorophenyl-phenylether	NA	660	NA	10	690	ND	1500	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Fluorene	2300000	660	300	10	520.55		409.3		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.0005	J	0.01	ND
4-Nitroaniline	NA	830	NA	20	1700	ND	3800	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND
4,6-Dinitro-2-methylphenol	NA	3300	NA	50	3400	ND	7400	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
N-Nitrosodiphenylamine	140000	660	20	10	690	ND	1500	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
4-Bromophenyl-phenylether	NA	660	NA	10	690	ND	1500	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Hexachlorobenzene	660	660	10	10	690	ND	1500	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Pentachlorophenol	6000	3300	1	50	3400	ND	7400	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
Phenanthrene	NA	6600	NA	10	2455.99		2145.45		0.0011	J	0.00074	J	0.00098	J	0.00082	J	0.01	ND	0.0011	J	0.0008	J
Anthracene	10000000	6600	2000	10	1651.61		1618.86		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Carbazole	NA	330	NA	10	690	ND	1500	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Di-n-butylphthalate	5700000	330	900	10	690	ND	1500	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Fluoranthene	2300000	660	300	10	4290.19	D	3396.57	D	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Pyrene	1700000	660	200	10	4872.89	D	4013.68	D	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Butylbenzylphthalate	1100000	660	100	10	690	ND	1500	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
3,3'-Dichlorobenzidine	2000	1300	60	20	2700	ND	6000	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND
Benzo(a)anthracene	900	660	NA	10	[illegible]		[illegible]		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Chrysene	9000	660	NA	10	2722.97		2012.93		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
bis(2-Ethylhexyl)phthalate	49000	660	30	10	2000		1500		0.0092	J	0.011	B	0.0014	J	0.006	J B	0.0031	J	0.01	ND	0.01	ND
Di-n-octylphthalate	1100000	660	100	10	690	ND	1500	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Benzo(b)fluoranthene	900	660	NA	10	[illegible]		[illegible]		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Benzo(k)fluoranthene	900	660	NA	10	[illegible]		[illegible]		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Benzo(a)pyrene	660	660	NA	10	[illegible]		[illegible]		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Indeno(1,2,3-cd)pyrene	900	660	NA	10	[illegible]		875.08		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Dibenzo(a,h))anthracene	660	660	NA	10	320.42		246.76		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Benzo(ghi)perylene	NA	660	NA	10	959.5		776		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND

Table 20 Pesticides/Arochlors	Action Level		Action Level		Unamended Sediment (Units: ppb)		Amended Sediment (Units: ppb)		MEP Extracts Units:ppm													
ASI ID #	Soil	*	Leachate	*	20031394		20031400		MEP Day 1		MEP Day 2		MEP Day 3		MEP Day 4		MEP Day 5		MEP Day 6		MEP Day 7	
STL ID #	ug/kg		ug/L		Comp P	Q	A Comp P	Q	1 Comp P	Q	2 Comp P	Q	3 Comp P	Q	4 Comp P	Q	5 Comp P	Q	6 Comp P	Q	7 Comp P	Q
alpha-BHC	NA	1.9	0.02	0.05	18	ND	16	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
beta-BHC	NA	3.3	0.2	0.05	18	ND	16	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
delta-BHC	NA	1.7	NA	0.05	18	ND	2.2	J PG	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.000022	J	0.00005	ND
gamma-BHC (Lindane)	520	2	0.2	0.05	18	ND	16	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Heptachlor	150	2.1	0.4	0.05	0.22	ND	0.21	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Aldrin	40	2	0.04	0.05	0.20	ND	0.19	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Heptachlor epoxide	NA	2.1	0.2	0.05	0.20	ND	0.19	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Endosulfan I		2.1	0.4	0.05	0.24	ND	0.24	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Dieldrin	42	3.3	0.03	0.1	10.59		14.14		0.000068	PG	0.000021	J PG	0.00005	ND	0.000018	J PG	0.000016	J PG	0.00005	ND	0.00005	ND
4,4'-DDE	2000	4.2	0.1	0.1	1637.65	D	1390.35	D	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Endrin	17000	3.6	2	0.1	18	ND	16	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Endosulfan II		3.3	0.4	0.1	0.23	ND	0.23	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
4,4'-DDD	3000	4.2	0.1	0.1	1447.69	D	1228.76	D	0.000047	J PG	0.000025	J PG	0.00005	ND	0.000024	J PG	0.000025	J PG	0.000031	J PG	0.00002	J PG
Endosulfan sulfate	NA	3.6	0.4	0.1	0.28	ND	0.27	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
4,4'-DDT	2000	3.6	0.1	0.1	840.91	D	232.68	D	0.000024	J PG	0.00034	PG	0.00005	ND	0.00005	ND	0.000041	J PG	0.0001	PG	0.00005	ND
Methoxychlor	280000	17	40	0.5	12	J PG	56	PG	0.0001	ND	0.0001	ND	0.0001	ND	0.0001	ND	0.0001	ND	0.0001	ND	0.0001	ND
Endrin ketone	NA	3.3	NA	0.1	18	ND	16	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Endrin aldehyde	NA	3.3	NA	0.1	18	ND	16	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
alpha-Chlordane	500	1.7	NA	0.05	17.25		16.78		0.000017	J PG	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
gamma-Chlordane	NA	1.7	0.5	0.05	11	J PG	8.9	J PG	0.000021	J PG	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Toxaphene	100	170	3	5	700	ND	620	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND
Arochlor-1016 **		33		1	35	ND	31	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Arochlor-1221 **		67		2	35	ND	31	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Arochlor-1232 **		33		1	35	ND	31	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Arochlor-1242 **		33		1	35	ND	31	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Arochlor-1248 **		33		1	520		400		0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Arochlor-1254 **		33		1	35	ND	31	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Arochlor-1260 **		33		1	35	ND	31	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Total Arochlor(SUM)	490		0.5																			
** Reported as units = ppm																						

Table 20 Metals	Action Level		Action Level		Unamended Sediment (Units: ppm)		Amended Sediment (Units: ppm)		MEP Extracts Units:ppm													
ASI ID #	Soil	*	Leachate	*	20031394		20031400		MEP Day 1		MEP Day 2		MEP Day 3		MEP Day 4		MEP Day 5		MEP Day 6		MEP Day 7	
STL ID #	mg/Kg		mg/L		Comp P	Q	A Comp P	Q	1 Comp P	Q	2 Comp P	Q	3 Comp P	Q	4 Comp P	Q	5 Comp P	Q	6 Comp P	Q	7 Comp P	Q
Aluminum	NA	40	0.2	200	9830		11400		[redacted]		[redacted]		[redacted]		[redacted]		[redacted]		[redacted]	J	[redacted]	
Antimony	14	12	0.02	60	0.81	BN	0.93	ND	0.0052	B J	0.01	ND	0.01	ND	0.01	ND	0.0057	B	0.0043	B	0.006	B
Arsenic	20	2	0.008	10	[redacted]		[redacted]		0.006	B	0.0043	B	0.0052	B	0.0068	B	0.0079	B	[redacted]		[redacted]	
Barium	700	40	2	200	376		310		0.29	J	0.094	B J	0.16	B J	0.048	B J	0.041	B	0.028	B	0.04	B
Beryllium	1	1	0.02	5	0.78		0.72		0.004	ND	0.001	B J	0.0014	B J	0.00093	B	0.004	ND	0.00092	B J	0.001	B J
Cadmium	1	1	0.004	5	[redacted]		[redacted]		0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND
Calcium	NA	1000	NA	5000	5480	E	63800	E	312		160	J	121	J	94.4	J	66.4		55.2		50.2	J
Chromium	NA	2	0.1	10	264		246		0.048		0.076		0.082		0.079		0.047		0.033		0.03	
Cobalt	NA	10	NA	50	9.3	E	8.1		0.0013	B	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
Copper	600	5	1	25	463		361		0.21		0.087		0.07		0.065		0.053		0.046		0.044	
Iron	NA	20	0.3	1000	22700		20100	E	0.036	B	0.1	ND	0.1	ND	0.1	ND	0.1	ND	0.039	B J	0.1	ND
Lead	400	0.8	0.01	3	335		263		0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND
Magnesium	NA	1000	NA	5000	5620		7920		0.017	B	0.021	B	0.1	B	0.041	B	0.048	B	0.075	B	0.095	B
Manganese	NA	3	0.05	15	284		414	E	0.015	ND	0.015	ND	0.015	ND	0.015	ND	0.015	ND	0.00021	B J	0.015	ND
Mercury	14	0.1	0.002	0.2	8.14		6.45		0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND
Nickel	250	8	0.1	40	65.7		67.8		0.051		0.011	B	0.0054	B	0.0045	B	0.003	B	0.0023	B	0.0024	B
Potassium	NA	1000	NA	5000	2340		3440		45.2		4.4	B J	1.2	B	0.56	B	0.39	B	0.35	B	0.35	B
Selenium	63	1	0.05	5	2.4		1.6		0.0032	B	0.0045	B	0.0033	B	0.0043	B J	0.005	ND	0.0027	B	0.005	ND
Silver	110	2	NA	10	3.74		3.23		0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND
Sodium	NA	1000	50	5,000	8130		6850		[redacted]		13.7		12.2		5.1		5.6		5.6		7.6	
Thallium	2	2	0.01	10	1.1	ND	0.93	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Vanadium	370	10	NA	50	38.3		41.6		0.0057	B	0.014	B	0.022	B	0.031	B	0.035	B	0.034	B	0.034	B
Zinc	1500	4	5	20	600		550		0.0027	B J	0.0027	B J	0.016	B	0.0018	B	0.0032	B	0.0057	B	0.0043	B
Cyanide, total	1100	0.5	0.2	10	1.3		1.5															
% Solids					45.56		47.24															

Table 20 Dioxins	Action Level		Action Level		Unamended Sediment (Units: ppt)		Amended Sediment (Units: ppt)		MEP Extracts Units:pg/L													
ASI ID #	Soil	*	Leachate	*	20031394		20031400		MEP Day 1		MEP Day 2		MEP Day 3		MEP Day 4		MEP Day 5		MEP Day 6		MEP Day 7	
STL ID #	ug/kg		ug/L		Comp P	Q	A Comp P	Q	1 Comp P	Q		Q		Q		Q		Q		Q	7 Comp P	Q
2,3,7,8-TCDD					59.62		82.06		0.57	ND	[redacted]		[redacted]		[redacted]		[redacted]		[redacted]		8.7	ND
1,2,3,7,8-PeCDD					3.04	J	32.38	ND	0.35	ND	[redacted]		[redacted]		[redacted]		[redacted]		[redacted]		4.2	ND
1,2,3,4,7,8-HxCDD					4.40	J	3.38	J	0.4	ND	[redacted]		[redacted]		[redacted]		[redacted]		[redacted]		4.6	ND
1,2,3,6,7,8-HxCDD					22.42		27.59		0.44	ND	[redacted]		[redacted]		[redacted]		[redacted]		[redacted]		4.9	ND
1,2,3,7,8,9-HxCDD					14.80		17.12		0.4	ND	[redacted]		[redacted]		[redacted]		[redacted]		[redacted]		4.6	ND
1,2,3,4,6,7,8-HpCDD					512.68		927.57		0.42	ND	[redacted]		[redacted]		[redacted]		[redacted]		[redacted]		5.9	ND
OCDD					5894.65		9587.16		2.7	Q B J	[redacted]		[redacted]		[redacted]		[redacted]		[redacted]		6	ND
2,3,7,8-TCDF					103.61	ND#	83.66	ND#	1.3	Q J	[redacted]		[redacted]		[redacted]		[redacted]		[redacted]		8.6	ND
1,2,3,7,8-PeCDF					17.19		5.59	ND	0.3	ND	[redacted]		[redacted]		[redacted]		[redacted]		[redacted]		4.1	ND
2,3,4,7,8-PeCDF					24.65		5.36		0.24	ND	[redacted]		[redacted]		[redacted]		[redacted]		[redacted]		3.3	ND
1,2,3,4,7,8-HxCDF					58.41		132.94		0.54	Q J	[redacted]		[redacted]		[redacted]		[redacted]		[redacted]		3	ND
1,2,3,6,7,8-HxCDF					18.44		17.39		0.52	J	[redacted]		[redacted]		[redacted]		[redacted]		[redacted]		3	ND
2,3,4,6,7,8-HxCDF					11.05		12.46		0.27	ND	[redacted]		[redacted]		[redacted]		[redacted]		[redacted]		3.5	ND
1,2,3,7,8,9-HxCDF					2.09	J	1.75	J	0.31	ND	[redacted]		[redacted]		[redacted]		[redacted]		[redacted]		4.3	ND
1,2,3,4,6,7,8-HpCDF					309.81		310.98		0.83	Q J	[redacted]		[redacted]		[redacted]		[redacted]		[redacted]		4.7	ND
1,2,3,4,7,8,9-HpCDF					19.84		19.88		0.42	ND	[redacted]		[redacted]		[redacted]		[redacted]		[redacted]		6.6	ND
OCDF					552.75		492.19		1.5	Q J	[redacted]		[redacted]		[redacted]		[redacted]		[redacted]		6.6	ND

* = NJDEP Required detection limit

\# = value from 2nd column confirmation

ND = Not detected

B = Indicates analyte detected in method blank as well as associated field sample

J = Detection limit below the reporting limit or is an estimated value

E = Estimated value

Table 21 Volatiles	Action Level		Action Level		Unamended Sediment (Units:ppb)		Amended Sediment (Units:ppb)		MEP Extracts													
ASI ID #	Soil	*	Leachate	*	20031404		20031408		MEP Day 1		MEP Day 2		MEP Day 3		MEP Day 4		MEP Day 5		MEP Day 6		MEP Day 7	
STL ID #	ug/kg		ug/L		Comp Q	Q	A Comp Q	Q	1 Comp Q	Q	2 Comp Q	Q	3 Comp Q	Q	4 Comp Q	Q	5 Comp Q	Q	6 Comp Q	Q	7 Comp Q	Q
Chloromethane (Methyl Chloride)	520000	10	30	10	8.3	ND	7.5	ND														
Bromomethane	79000	10	10	10	8.3	ND	7.5	ND														
Vinyl chloride	2000	10	5	10	8.3	ND	7.5	ND														
Chloroethane	NA	10	NA	10	8.3	ND	7.5	ND														
Methylene chloride (Dichloromethane)	49000	10	3	10	8.3	ND	7.5	ND														
Acetone	1,000,000	10	700	10	11	J	28															
Carbon disulfide	NA	10	NA	10	8.3	ND	2.3	J														
1,1-Dichloroethene	8000	10	2	10	8.3	ND	7.5	ND														
1,1-Dichloroethane	570000	10	50	10	8.3	ND	7.5	ND														
1,2-Dichloroethene (total)	NA	10	10	10	8.3	ND	7.5	ND														
Chloroform	19000	10	6	10	8.3	ND	7.5	ND														
1,2-Dichloroethane	NA	10	NA	10	8.3	ND	7.5	ND														
2-Butanone (MEK)	1000000	10	300	10	8.3	ND	7.5	ND														
1,1,1-Trichloroethane	210000	10	30	10	8.3	ND	7.5	ND														
Carbon tetrachloride	2000	10	2	10	8.3	ND	7.5	ND														
Bromodichloromethane	11000	10	1	10	8.3	ND	7.5	ND														
1,2-Dichloropropane	10000	10	1	10	8.3	ND	7.5	ND														
cis-1,3-Dichloropropene	NA	10	NA	10	8.3	ND	7.5	ND														
Trichloroethene	23000	10	1	10	8.3	ND	7.5	ND														
Dibromochloromethane	110000	10	10	10	8.3	ND	7.5	ND														
1,1,2-Trichloroethane	22000	10	3	10	8.3	ND	7.5	ND														
Benzene	3000	10	1	10	8.3	ND	7.5	ND														
trans-1,3-dichloropropene	NA	10	NA	10	8.3	ND	7.5	ND														
Bromoform	86000	10	4	10	8.3	ND	7.5	ND														
4-Methyl-2-pentanone (MIBK)	1000000	10	400	10	8.3	ND	7.5	ND														
2-Hexanone	NA	10	NA	10	8.3	ND	7.5	ND														
Tetrachloroethene	4000	10	1	10	8.3	ND	7.5	ND														
1,1,2,2-Tetrachloroethane	NA	10	NA	10	8.3	ND	7.5	ND														
Toluene	1000000	10	1000	10	8.3	ND	7.5	ND														
Chlorobenzene	37000	10	50	10	8.3	ND	7.5	ND														
Ethyl benzene	1000000	10	700	10	8.3	ND	0.88	J														
Styrene	23000	10	100	10	8.3	ND	7.5	ND														
Xylenes(Total)	410000	10	1000	10	8.3	ND	2.3	J														

Table 21 Semivolatiles	Action Level		Action Level		Unamended Sediment (Units: ppb)		Amended Sediment (Units: ppb)		MEP Extracts Units:ppm													
ASI ID #	Soil	*	Leachate	*	20031404		20031408		MEP Day 1		MEP Day 2		MEP Day 3		MEP Day 4		MEP Day 5		MEP Day 6		MEP Day 7	
STL ID #	ug/kg		ug/L		Comp Q	Q	A Comp Q	Q	1 Comp Q	Q	2 Comp Q	Q	3 Comp Q	Q	4 Comp Q	Q	5 Comp Q	Q	6 Comp Q	Q	7 Comp Q	Q
Phenol	10,000,000	660	4,000	10	650	ND	640	ND	0.002	J	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
bis(2-Chloroethyl)ether	660	660	10	10	650	ND	640	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2-Chlorophenol	2000	660	5	10	650	ND	640	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
1,3-Dichlorobenzene	5100000	660	600	10	650	ND	640	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
1,4-Dichlorobenzene	570000	660	75	10	374.57		163.53		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
1,2-Dichlorobenzene	5100000	660	600	10	650	ND	640	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2-Methylphenol	2800000	660	NA	10	650	ND	640	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
1-Chloropropane-2,2'-oxybis	2300000	660	300	10	650	ND	640	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
4-Methylphenol	2800000	660	NA	10	650	ND	640	ND	0.0043	J	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
N-Nitroso-Di-N-Propylamine	660	660	20	10	650	ND	640	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Hexachloroethane	6000	660	10	10	650	ND	640	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Nitrobenzene	28000	660	10	10	650	ND	640	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Isophorone	1100000	660	100	10	650	ND	640	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2-Nitrophenol	NA	660	NA	10	650	ND	640	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2,4-Dimethylphenol	1100000	660	100	10	650	ND	640	ND	0.002	J	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
bis(2-Chloroethoxy)methane	NA	660	NA	10	650	ND	640	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2,4-Dichlorophenol	170000	660	20	10	650	ND	640	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
1,2,4-Trichlorobenzene	68000	660	9	10	650	ND	640	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Naphthalene	230000	660	300	10	433.55		326.01		0.00081	J	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
4-Chloroaniline	230000	1300	NA	20	650	ND	640	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Hexachloro-1,3-butadiene	NA	660	NA	10	650	ND	640	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
4-Chloro-3-methylphenol	10,000,000	1,300	NA	20	650	ND	640	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2-Methylnaphthalene	NA	660	NA	10	650	ND	300	J	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Hexachlorocyclopentadiene	400000	660	50	10	1300	ND	1300	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
2,4,6-Trichlorophenol	62000	660	20	10	650	ND	640	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2,4,5-Trichlorophenol	5600000	660	700	10	650	ND	640	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2-Chloronaphthalene	NA	660	NA	10	650	ND	640	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2-Nitroaniline	NA	3300	NA	50	3200	ND	3100	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
Dimethylphthalate	10,000,000	660	NA	10	650	ND	640	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Acenaphthylene	NA	660	NA	10	174.57		145.85		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2,6-Dinitrotoluene	1000	660	10	10	650	ND	640	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
3-Nitroaniline	NA	3300	NA	50	3200	ND	3100	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND

Table 21 Semivolatiles continued	Action Level		Action Level		Unamended Sediment (Units: ppb)		Amended Sediment (Units: ppb)		MEP Extracts Units:ppm													
ASI ID #	Soil	*	Leachate	*	20031404		20031408		MEP Day 1		MEP Day 2		MEP Day 3		MEP Day 4		MEP Day 5		MEP Day 6		MEP Day 7	
STL ID #	ug/kg		ug/L		Comp Q	Q	A Comp Q	Q	1 Comp Q	Q	2 Comp Q	Q	3 Comp Q	Q	4 Comp Q	Q	5 Comp Q	Q	6 Comp Q	Q	7 Comp Q	Q
Acenaphthene	3400000	660	400	10	228.16		171.15		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2,4-Dinitrophenol	110000	3300	40	50	3200	ND	3100	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
4-Nitrophenol	NA	3300	NA	50	3200	ND	3100	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
Dibenzofuran	NA	660	NA	10	650	ND	350	J	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2,4-Dinitrotoluene	1000	660	10	10	650	ND	640	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Diethylphthalate	10,000,000	660	5,000	10	650	ND	640	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
4-Chlorophenyl-phenylether	NA	660	NA	10	650	ND	640	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Fluorene	2300000	660	300	10	341.61		233.72		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
4-Nitroaniline	NA	830	NA	20	1600	ND	1600	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND
4,6-Dinitro-2-methylphenol	NA	3300	NA	50	3200	ND	3100	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
N-Nitrosodiphenylamine	140000	660	20	10	650	ND	640	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
4-Bromophenyl-phenylether	NA	660	NA	10	650	ND	640	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Hexachlorobenzene	660	660	10	10	650	ND	640	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Pentachlorophenol	6000	3300	1	50	3200	ND	3100	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
Phenanthrene	NA	6600	NA	10	1559.02		1302.05		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Anthracene	10000000	6600	2000	10	1394.39		1053.84		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Carbazole	NA	330	NA	10	66	J	250	J	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Di-n-butylphthalate	5700000	330	900	10	650	ND	640	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Fluoranthene	2300000	660	300	10	2678.74	D	2072.97	D	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Pyrene	1700000	660	200	10	3895.63	D	2853.69	D	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Butylbenzylphthalate	1100000	660	100	10	650	ND	640	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
3,3'-Dichlorobenzidine	2000	1300	80	20	2600	ND	2500	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND
Benzo(a)anthracene	900	660	NA	10	1716.86		[illegible]		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Chrysene	9000	660	NA	10	1724.58		1356.56		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
bis(2-Ethylhexyl)phthalate	49000	660	30	10	1500		1100		0.0077	J	0.03	B	0.0014	J	0.01	ND	0.0015	J	0.01	ND	0.01	ND
Di-n-octylphthalate	1100000	660	100	10	650	ND	640	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Benzo(b)fluoranthene	900	660	NA	10	[illegible]		[illegible]		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Benzo(k)fluoranthene	900	660	NA	10	[illegible]		894.49		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Benzo(a)pyrene	660	660	NA	10	[illegible]		[illegible]		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Indeno(1,2,3-cd)pyrene	900	660	NA	10	774.3		624.54		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Dibenzo(a,h))anthracene	660	660	NA	10	228.68		187.75		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Benzo(ghi)perylene	NA	660	NA	10	668.64		534.73		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND

Table 21 Pesticides/Arochlors	Action Level		Action Level		Unamended Sediment (Units: ppb)		Amended Sediment (Units: ppb)		MEP Extracts Units:ppm													
ASI ID #	Soil	*	Leachate	*	20031404		20031408		MEP Day 1		MEP Day 2		MEP Day 3		MEP Day 4		MEP Day 5		MEP Day 6		MEP Day 7	
STL ID #	ug/kg		ug/L		Comp Q	Q	A Comp Q	Q	1 Comp Q	Q	2 Comp Q	Q	3 Comp Q	Q	4 Comp Q	Q	5 Comp Q	Q	6 Comp Q	Q	7 Comp Q	Q
alpha-BHC	NA	1.9	0.02	0.05	17	ND	17	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
beta-BHC	NA	3.3	0.2	0.05	17	ND	17	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
delta-BHC	NA	1.7	NA	0.05	17	ND	1.6	J PG	0.00005	ND	0.00005	ND	0.00005	ND	0.000016	J PG	0.00005	ND	0.00005	ND	0.00005	ND
gamma-BHC (Lindane)	520	2	0.2	0.05	17	ND	17		0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Heptachlor	150	2.1	0.4	0.05	0.18	ND	0.16	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Aldrin	40	2	0.04	0.05	0.16	ND	0.14	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Heptachlor epoxide	NA	2.1	0.2	0.05	0.16	ND	0.14	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Endosulfan I		2.1	0.4	0.05	0.20	ND	0.17	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.000026	J
Dieldrin	42	3.3	0.03	0.1	5.07		4.97		0.000067	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.000026	J PG	0.00005	ND	0.00005	ND
4,4'-DDE	2000	4.2	0.1	0.1	769.38	D	491.76	D	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Endrin	17000	3.6	2	0.1	17	ND	17		0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Endosulfan II		3.3	0.4	0.1	0.19	ND	0.17	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
4,4'-DDD	3000	4.2	0.1	0.1	1169.91	D	538.87	D	0.000032	J	0.00005	ND	0.00005	ND	0.000033	J	0.000032	J	0.000019	J PG	0.00005	ND
Endosulfan sulfate	NA	3.6	0.4	0.1	0.23	ND	0.20	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
4,4'-DDT	2000	3.6	0.1	0.1	219.82	D	222.73	D	0.00005	ND	0.00005	ND	0.00005	ND	0.000035	J PG	0.000027	J PG	0.00005	ND	0.00005	ND
Methoxychlor	280000	17	40	0.5	66	PG	84		0.0001	ND	0.0001	ND	0.0001	ND	0.0001	ND	0.0001	ND	0.0001	ND	0.0001	ND
Endrin ketone	NA	3.3	NA	0.1	17	ND	17	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Endrin aldehyde	NA	3.3	NA	0.1	17	ND	17	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
alpha-Chlordane	500	1.7	NA	0.05	5.54		4.63		0.000019	J PG	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
gamma-Chlordane	NA	1.7	0.5	0.05	4.7	J PG	8	J PG	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Toxaphene	100	170	3	5	660	ND	660	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND
Arochlor-1016 **		33		1	27	ND	32	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Arochlor-1221 **		67		2	27	ND	32	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Arochlor-1232 **		33		1	27	ND	32	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Arochlor-1242 **		33		1	27	ND	32	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Arochlor-1248 **		33		1	220		260		0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Arochlor-1254 **		33		1	27	ND	32	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Arochlor-1260 **		33		1	27	ND	32	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Total Arochlor(SUM)	490		0.5																			

** Reported as units = ppm

Table 21 Metals	Action Level		Action Level		Unamended Sediment (Units: ppm)		Amended Sediment (Units: ppm)		MEP Extracts Units:ppm													
ASI ID #	Soil	*	Leachate	*	20031404		20031408		MEP Day 1		MEP Day 2		MEP Day 3		MEP Day 4		MEP Day 5		MEP Day 6		MEP Day 7	
STL ID #	mg/Kg		mg/L		Comp Q	Q	A Comp Q	Q	1 Comp Q	Q	2 Comp Q	Q	3 Comp Q	Q	4 Comp Q	Q	5 Comp Q	Q	6 Comp Q	Q	7 Comp Q	Q
Aluminum	NA	40	0.2	200	7650		10600		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]	J	[illegible]	
Antimony	14	12	0.02	60	0.56	BN	0.98	ND	0.0045	B J	0.01	ND	0.01	ND	0.01	ND	0.0048	B	0.0044	B	0.0051	B
Arsenic	20	2	0.008	10	[illegible]		[illegible]		0.01	ND	0.0029	B	0.0032	B	0.0033	B	0.004	B	0.0068	B	0.0077	B
Barium	700	40	2	200	293		285		0.37	J	0.16	B J	0.066	B J	0.052	B J	0.044	B	0.026	B	0.033	B
Beryllium	1	1	0.02	5	0.64		0.72		0.004	ND	0.001	B J	0.0015	B J	0.0011	B	0.004	ND	0.001	B J	0.00098	B J
Cadmium	1	1	0.004	5	[illegible]		[illegible]		0.005	ND	0.005		0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND
Calcium	NA	1000	NA	5000	3520	E	51200	E	322		175	J	128	J	110	J	77.1		65		56.2	J
Chromium	NA	2	0.1	10	196		235		0.043		0.073		0.079		0.085		0.061		0.044		0.04	
Cobalt	NA	10	NA	50	7.3	E	8		0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	D	0.05	ND
Copper	600	5	1	25	348		333		0.11		0.067		0.054		0.054		0.047		0.042		0.041	
Iron	NA	20	0.3	1000	16900		17500	E	0.043	B	0.1	ND	0.1	ND	0.1	ND	0.1	ND	0.1	D	0.1	ND
Lead	400	0.6	0.01	3	260		369		0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	D	0.003	ND
Magnesium	NA	1000	NA	5000	4320		7070		0.012	B	0.038	B	0.023	B	0.027	B	0.029	B	0.044	B	0.053	B
Manganese	NA	3	0.05	15	197		327	E	0.015	ND	0.015	ND	0.015	ND	0.015	ND	0.015	ND	0.015	D	0.015	ND
Mercury	14	0.1	0.002	0.2	6.03		5.98		0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.00004	B	0.0002	ND
Nickel	250	8	0.1	40	51.0		59.6		0.04		0.0082	B	0.0039	B	0.0032	B	0.0025	B	0.0026	B	0.0021	B
Potassium	NA	1000	NA	5000	2000		3260		51.5		5.1	J	1.4	B	0.63	B	0.46	B	0.26	B	0.33	B
Selenium	63	1	0.05	5	2		1.4		0.0027	B	0.0052		0.0062		0.0059	J	0.003	B	0.0023	B	0.0024	B
Silver	110	2	NA	10	2.54		2.71		0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	D	0.005	ND
Sodium	NA	1000	50	5,000	6960		5050		[illegible]		18.4		5.4		5		5.4		6.3		8.6	
Thallium	2	2	0.01	10	0.99	ND	0.98	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Vanadium	370	10	NA	50	29.4		35.8		0.0038	B	0.007	B	0.011	B	0.017	B	0.021	B	0.023	B	0.024	B
Zinc	1500	4	5	20	411		426		0.0065	B J	0.0047	B J	0.02	ND	0.0017	B	0.0026	B	0.0041	B	0.0019	B
Cyanide, total	1100	0.5	0.2	10	0.59	B	1.5															
%Solids					55.24		62.95															

Table 21 Dioxins	Action Level		Action Level		Unamended Sediment (Units: ppt)		Amended Sediment (Units: ppt)		MEP Extracts Units:pg/L													
ASI ID #	Soil	*	Leachate	*	20031404		20031408		MEP Day 1		MEP Day 2		MEP Day 3		MEP Day 4		MEP Day 5		MEP Day 6		MEP Day 7	
STL ID #	ug/kg		ug/L		Comp Q	Q	A Comp Q	Q	1 Comp Q	Q		Q		Q		Q		Q		Q	7 Comp Q	Q
2,3,7,8-TCDD					48.23		60.06		2.7	ND											4.8	ND
1,2,3,7,8-PeCDD					20.55	U	3.41		1.3	ND											2.2	ND
1,2,3,4,7,8-HxCDD					5.19	J	2.16		1.5	ND											2.2	ND
1,2,3,6,7,8-HxCDD					21.41		18.69		1.6	ND											2.5	ND
1,2,3,7,8,9-HxCDD					15.94		11.65		1.5	ND											2.2	ND
1,2,3,4,6,7,8-HpCDD					351.92		600.55		1.8	ND											2.8	ND
OCDD					5047.38		7693.74		10	B J											2.9	ND
2,3,7,8-TCDF					16.15	J#	13.55	#	2.3	ND											3.9	ND
1,2,3,7,8-PeCDF					11.17		9.26		1.1	ND											1.9	ND
2,3,4,7,8-PeCDF					14.36		11.60		0.9	ND											1.5	ND
1,2,3,4,7,8-HxCDF					81.65		58.34		0.88	ND											1.4	ND
1,2,3,6,7,8-HxCDF					23.91		18.57		0.85	ND											1.4	ND
2,3,4,6,7,8-HxCDF					14.82	J	10.84		0.92	ND											1.5	ND
1,2,3,7,8,9-HxCDF					6.46	J	1.49	J	1.1	ND											1.8	ND
1,2,3,4,6,7,8-HpCDF					583.69		279.72		1.2	ND											1.8	ND
1,2,3,4,7,8,9-HpCDF					28.20		19.46		1.6	ND											2.3	ND
OCDF					1049.89		507.44		1.7	ND											2.8	ND

* = NJDEP Required detection limit

= value from 2nd column confirmation

ND = Not detected

B = Indicates analyte detected in method blank as well as associated field sample

J = Detection limit below the reporting limit or is an estimated value

E = Estimated value

Table 22 Volatiles	Action Level		Action Level		Unamended Sediment (Units: ppb)		Amended Sediment (Units: ppb)		MEP Extracts													
ASI ID #	Soil	*	Leachate	*	20031254		20031256		MEP Day 1		MEP Day 2		MEP Day 3		MEP Day 4		MEP Day 5		MEP Day 6		MEP Day 7	
STL ID #	ug/kg		ug/L		Comp S	Q	A Comp S	Q	1 Comp S	Q	2 Comp S	Q	3 Comp S	Q	4 Comp S	Q	5 Comp S	Q	6 Comp S	Q	7 Comp S	Q
Chloromethane (Methyl Chloride)	520000	10	30	10	7.5	ND	7.8	ND														
Bromomethane	79000	10	10	10	7.5	ND	7.8	ND														
Vinyl chloride	2000	10	5	10	7.5	ND	7.8	ND														
Chloroethane	NA	10	NA	10	7.5	ND	7.8	ND														
Methylene chloride (Dichloromethane)	49000	10	3	10	7.5	ND	7.8	ND														
Acetone	1,000,000	10	700	10	15	ND	43															
Carbon disulfide	NA	10	NA	10	7.5	ND	8.4															
1,1-Dichloroethene	8000	10	2	10	7.5	ND	7.8	ND														
1,1-Dichloroethane	570000	10	50	10	7.5	ND	7.8	ND														
1,2-Dichloroethene (total)	NA	10	10	10	7.5	ND	7.8	ND														
Chloroform	19000	10	6	10	7.5	ND	7.8	ND														
1,2-Dichloroethane	NA	10	NA	10	7.5	ND	7.8	ND														
2-Butanone (MEK)	1000000	10	300	10	7.5	ND	9.1															
1,1,1-Trichloroethane	210000	10	30	10	7.5	ND	7.8	ND														
Carbon tetrachloride	2000	10	2	10	7.5	ND	7.8	ND														
Bromodichloromethane	11000	10	1	10	7.5	ND	7.8	ND														
1,2-Dichloropropane	10000	10	1	10	7.5	ND	7.8	ND														
cis-1,3-Dichloropropene	NA	10	NA	10	7.5	ND	7.8	ND														
Trichloroethene	23000	10	1	10	7.5	ND	7.8	ND														
Dibromochloromethane	110000	10	10	10	7.5	ND	7.8	ND														
1,1,2-Trichloroethane	22000	10	3	10	7.5	ND	7.8	ND														
Benzene	3000	10	1	10	7.5	ND	7.8	ND														
trans-1,3-dichloropropene	NA	10	NA	10	7.5	ND	7.8	ND														
Bromoform	86000	10	4	10	7.5	ND	7.8	ND														
4-Methyl-2-pentanone (MIBK)	1000000	10	400	10	7.5	ND	7.8	ND														
2-Hexanone	NA	10	NA	10	7.5	ND	7.8	ND														
Tetrachloroethene	4000	10	1	10	7.5	ND	7.8	ND														
1,1,2,2-Tetrachloroethane	NA	10	NA	10	7.5	ND	7.8	ND														
Toluene	1000000	10	1000	10	7.5	ND	7.8	ND														
Chlorobenzene	37000	10	50	10	7.5	ND	7.8	ND														
Ethyl benzene	1000000	10	700	10	7.5	ND	7.8	ND														
Styrene	23000	10	100	10	7.5	ND	7.8	ND														
Xylenes(Total)	410000	10	1000	10	7.5	ND	7.8	ND														

Table 22 Semivolatiles	Action Level		Action Level		Unamended Sediment (Units:ppb)		Amended Sediment (Units:ppb)		MEP Extracts Units:ppm													
ASI ID #	Soil	*	Leachate	*	20031254		20031256		MEP Day 1		MEP Day 2		MEP Day 3		MEP Day 4		MEP Day 5		MEP Day 6		MEP Day 7	
STL ID #	ug/kg		ug/L		Comp S	Q	A Comp S	Q	1 Comp S	Q	2 Comp S	Q	3 Comp S	Q	4 Comp S	Q	5 Comp S	Q	6 Comp S	Q	7 Comp S	Q
Phenol	10,000,000	660	4,000	10	1200	ND	1000	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
bis(2-Chloroethyl)ether	660	660	10	10	1200	ND	1000	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2-Chlorophenol	2000	660	5	10	1200	ND	1000	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
1,3-Dichlorobenzene	5100000	660	600	10	1200	ND	1000	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
1,4-Dichlorobenzene	570000	660	75	10	498.27		260.89		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
1,2-Dichlorobenzene	5100000	660	600	10	1200	ND	1000	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2-Methylphenol	2800000	660	NA	10	1200	ND	1000	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
1-Chloropropane-2,2'-oxybis	2300000	660	300	10	1200	ND	1000	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
4-Methylphenol	2800000	660	NA	10	1200	ND	1000	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
N-Nitroso-Di-N-Propylamine	660	660	20	10	1200	ND	1000	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Hexachloroethane	6000	660	10	10	1200	ND	1000	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Nitrobenzene	28000	660	10	10	1200	ND	1000	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Isophorone	1100000	660	100	10	1200	ND	1000	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2-Nitrophenol	NA	660	NA	10	1200	ND	1000	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2,4-Dimethylphenol	1100000	660	100	10	1200	ND	1000	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
bis(2-Chloroethoxy)methane	NA	660	NA	10	1200	ND	1000	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2,4-Dichlorophenol	170000	660	20	10	1200	ND	1000	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
1,2,4-Trichlorobenzene	68000	660	9	10	1200	ND	1000	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Naphthalene	230000	660	300	10	532.94		414.99		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
4-Chloroaniline	230000	1300	NA	20	1200	ND	1000	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Hexachloro-1,3-butadiene	NA	660	NA	10	1200	ND	1000	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
4-Chloro-3-methylphenol	10,000,000	1,300	NA	20	1200	ND	1000	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2-Methylnaphthalene	NA	660	NA	10	170	J	230	J	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Hexachlorocyclopentadiene	400000	660	50	10	2500	ND	2100	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
2,4,6-Trichlorophenol	62000	660	20	10	1200	ND	1000	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2,4,5-Trichlorophenol	5600000	660	700	10	1200	ND	1000	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2-Chloronaphthalene	NA	660	NA	10	1200	ND	1000	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2-Nitroaniline	NA	3300	NA	50	6000	ND	5000	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
Dimethylphthalate	10,000,000	660	NA	10	1200	ND	1000	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Acenaphthylene	NA	660	NA	10	843.23		776.15		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2,6-Dinitrotoluene	1000	660	10	10	1200	ND	1000	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
3-Nitroaniline	NA	3300	NA	50	6000	ND	5000	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND

Table 22 Semivolatiles continued	Action Level		Action Level		Unamended Sediment (Units: ppb)		Amended Sediment (Units: ppb)		MEP Extracts Units:ppm													
ASI ID #	Soil	*	Leachate	*	20031254		20031256		MEP Day 1		MEP Day 2		MEP Day 3		MEP Day 4		MEP Day 5		MEP Day 6		MEP Day 7	
STL ID #	ug/kg		ug/L		Comp S	Q	A Comp S	Q	1 Comp S	Q	2 Comp S	Q	3 Comp S	Q	4 Comp S	Q	5 Comp S	Q	6 Comp S	ND	7 Comp S	Q
Acenaphthene	3400000	660	400	10	226.85		223.61		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2,4-Dinitrophenol	110000	3300	40	50	6000	ND	5000	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
4-Nitrophenol	NA	3300	NA	50	6000	ND	5000	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
Dibenzofuran	NA	660	NA	10	210	J	270	J	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2,4-Dinitrotoluene	1000	660	10	10	1200	ND	1000	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Diethylphthalate	10,000,000	660	5,000	10	1200	ND	1000	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
4-Chlorophenyl-phenylether	NA	660	NA	10	1200	ND	1000	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Fluorene	2300000	660	300	10	228.1		158.27		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
4-Nitroaniline	NA	830	NA	20	3100	ND	2600	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND
4,6-Dinitro-2-methylphenol	NA	3300	NA	50	6000	ND	5000	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
N-Nitrosodiphenylamine	140000	660	20	10	1200	ND	1000	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
4-Bromophenyl-phenylether	NA	660	NA	10	1200	ND	1000	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Hexachlorobenzene	660	660	10	10	1200	ND	1000	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Pentachlorophenol	6000	3300	1	50	6000	ND	5000	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
Phenanthrene	NA	6600	NA	10	1567.43	D	996.97		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Anthracene	10000000	6600	2000	10	1078.68	D	1187.85	D	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Carbazole	NA	330	NA	10	410	J	660	J	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Di-n-butylphthalate	5700000	330	900	10	1200	ND	1000	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Fluoranthene	2300000	660	300	10	7173.21	D	7765.7	D	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Pyrene	1700000	660	200	10	13714.12	D	11094.44	D	0.0015	J	0.0015	J	0.0013	J	0.00092	J	0.00088	J	0.00088	J	0.01	ND
Butylbenzylphthalate	1100000	660	100	10	1200	ND	1000	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
3,3'-Dichlorobenzidine	2000	1300	60	20	4800	ND	4100	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND
Benzo(a)anthracene	900	660	NA	10	[redacted]	D	[redacted]	D	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Chrysene	9000	660	NA	10	6067.56	D	4674.47	D	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
bis(2-Ethylhexyl)phthalate	49000	660	30	10	1000	J	530	J	0.018		0.027		0.021		0.01	ND	0.011		0.0088	J	0.0071	J
Di-n-octylphthalate	1100000	660	100	10	1200	ND	1000	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Benzo(b)fluoranthene	900	660	NA	10	[redacted]	D	[redacted]	D	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Benzo(k)fluoranthene	900	660	NA	10	[redacted]	D	[redacted]	D	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Benzo(a)pyrene	660	660	NA	10	[redacted]	D	[redacted]	D	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Indeno(1,2,3-cd)pyrene	900	660	NA	10	[redacted]	D	[redacted]	D	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Dibenzo(a,h))anthracene	660	660	NA	10	[redacted]	D	[redacted]		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Benzo(ghi)perylene	NA	660	NA	10	3977.14	D	3149.25	D	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND

Table 22 Pesticides/Arochlors	Action Level		Action Level		Unamended Sediment (Units: ppb)		Amended Sediment (Units: ppb)		MEP Extracts Units:ppm													
ASI ID #	Soil	*	Leachate	*	20031254		20031256		MEP Day 1		MEP Day 2		MEP Day 3		MEP Day 4		MEP Day 5		MEP Day 6		MEP Day 7	
STL ID #	ug/kg		ug/L		Comp S	Q	A Comp S	Q	1 Comp S	Q	2 Comp S	Q	3 Comp S	Q	4 Comp S	Q	5 Comp S	Q	6 Comp S	Q	7 Comp S	Q
alpha-BHC	NA	1.9	0.02	0.05	6.3	ND	6.6	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
beta-BHC	NA	3.3	0.2	0.05	6.3	ND	6.6	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
delta-BHC	NA	1.7	NA	0.05	5	J PG	6.6	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.000032	J
gamma-BHC (Lindane)	520	2	0.2	0.05	6.3	ND	6.6	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Heptachlor	150	2.1	0.4	0.05	0.15	ND	0.15	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Aldrin	40	2	0.04	0.05	0.13	ND	0.14	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Heptachlor epoxide	NA	2.1	0.2	0.05	0.13	ND	0.14	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Endosulfan I		2.1	0.4	0.05	0.16	ND	0.17	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Dieldrin	42	3.3	0.03	0.1	1.99		1.24		0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
4,4'-DDE	2000	4.2	0.1	0.1	48.06	D	32.42	D	0.00005	ND	0.00002	J	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Endrin	17000	3.6	2	0.1	6.6		6.6	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Endosulfan II		3.3	0.4	0.1	0.16	ND	0.16	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
4,4'-DDD	3000	4.2	0.1	0.1	177.92	D	115.10	D	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Endosulfan sulfate	NA	3.6	0.4	0.1	0.19	ND	0.19	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
4,4'-DDT	2000	3.6	0.1	0.1	224.54	D	117.84	D	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00003	J PG
Methoxychlor	280000	17	40	0.5	12	ND	13	ND	0.0001	ND	0.0001	ND	0.0001	ND	0.0001	ND	0.0001	ND	0.0001	ND	0.0001	ND
Endrin ketone	NA	3.3	NA	0.1	6.3	ND	6.6	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Endrin aldehyde	NA	3.3	NA	0.1	4.3	J PG	6.6	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
alpha-Chlordane	500	1.7	NA	0.05	3.30		3.33		0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
gamma-Chlordane	NA	1.7	0.5	0.05	3.7	J	6.6	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Toxaphene	100	170	3	5	250	ND	260	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND
Arochlor-1016 **		33		1	120	ND	130	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Arochlor-1221 **		67		2	120	ND	130	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Arochlor-1232 **		33		1	120	ND	130	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Arochlor-1242 **		33		1	120	ND	130	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Arochlor-1248 **		33		1	160		150		0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Arochlor-1254 **		33		1	120	ND	130	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Arochlor-1260 **		33		1	84	J	130	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Total Arochlor(SUM)	490		0.5																			

** Reported as units = ppm

Table 22 Metals	Action Level		Action Level		Unamended Sediment (Units: ppm)		Amended Sediment (Units: ppm)		MEP Extracts Units:ppm													
ASI ID #	Soil	*	Leachate	*	20031254		20031256		MEP Day 1		MEP Day 2		MEP Day 3		MEP Day 4		MEP Day 5		MEP Day 6		MEP Day 7	
STL ID #	mg/kg		mg/L		Comp S	Q	A Comp S	Q	1 Comp S	Q	2 Comp S	Q	3 Comp S	Q	4 Comp S	Q	5 Comp S	Q	6 Comp S	Q	7 Comp S	Q
Aluminum	NA	40	0.2	200	7000	E	8500	E	[redacted]		[redacted]		[redacted]	J	[redacted]	J	[redacted]	J	[redacted]		0.077	
Antimony	14	12	0.02	60	0.49	BN	0.94	ND	0.01	ND	0.01	ND	0.0037	B	0.0039	B J	0.0052	B	0.0062	B	0.0053	B
Arsenic	20	2	0.008	10	[redacted]		19.1		0.01	ND	0.01	ND	0.01	ND	0.0029	B	0.01	ND	0.0057	B	0.0055	B
Barium	700	40	2	200	127	E	116	E	0.25		0.13	B	0.052	B	0.042	B J	0.03	B	0.02	B J	0.025	B J
Beryllium	1	1	0.02	5	0.66		0.68		0.001	B J	0.00081	B J	0.00046	B J	0.00063	B J	0.004	ND	0.00036	B J	0.00039	B J
Cadmium	1	1	0.004	5	[redacted]		[redacted]		0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND
Calcium	NA	1000	NA	5000	7780	NE	48500	NE	376		160	J	116		81.5		60.6	J	52.6		39.7	J
Chromium	NA	2	0.1	10	109		91.1		0.071		0.09		0.076		0.044	J	0.022		0.017		0.011	
Cobalt	NA	10	NA	50	7.7	E	7.8	E	0.00087	B	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
Copper	600	5	1	25	115		75.1		0.046		0.024	B	0.017	B	0.015	B	0.012	B	0.011	B	0.007	B
Iron	NA	20	0.3	1000	14400	E	14200	E	0.084	B	0.1	ND	0.1	ND	0.1	ND	0.1	ND	0.1	ND	0.1	ND
Lead	400	0.6	0.01	3	112		202		0.0058		0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND
Magnesium	NA	1000	NA	5000	4790	E	6830	E	5	ND	5	ND	5	ND	5	ND	5	ND	0.048	B	0.052	B
Manganese	NA	3	0.05	15	268	E	403	E	0.0052	B	0.015	ND	0.015	ND	0.0003	B	0.015	ND	0.00026	B J	0.015	ND
Mercury	14	0.1	0.002	0.2	1.38		1.67		0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND
Nickel	250	8	0.1	40	36.6		35.7		0.012	B	0.0032	B	0.0017	B	0.0019	B	0.0019	B	0.00086	B	0.00098	B
Potassium	NA	1000	NA	5000	1810		2230		41.8		3.9	B	1.1	B	0.63	B	0.42	B	0.39	B	0.28	B
Selenium	63	1	0.05	5	0.83	N	0.74	N	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.0026	B
Silver	110	2	NA	10	0.892		0.780		0.005	ND	0.005	ND	0.00097	B J	0.0016	B J	0.005	ND	0.005	ND	0.005	ND
Sodium	NA	1000	50	5,000	3660	E	3540	E	[redacted]		19.6		6		6.9		8.8		8.2		5.3	
Thallium	2	2	0.01	10	0.97	ND	0.94	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Vanadium	370	10	NA	50	18.3	E	23.2	E	0.0015	B	0.0063	B	0.017	B	0.024	B	0.028	B	0.028	B	0.027	B
Zinc	1500	4	5	20	287		195		0.003	B J	0.0045	B	0.0014	B J	0.0054	B	0.0029	B	0.03	J	0.02	ND
Cyanide, total	1100	0.5	0.2	10	0.27	B	0.43	B														
%Solids					69.7		67.0															

Table 22 Dioxins	Action Level		Action Level		Unamended Sediment (Units: ppt)		Amended Sediment (Units: ppt)		MEP Extracts Units:pg/L													
ASI ID #	Soil	*	Leachate	*	20031254		20031256		MEP Day 1		MEP Day 2		MEP Day 3		MEP Day 4		MEP Day 5		MEP Day 6		MEP Day 7	
STL ID #	ug/kg		ug/L		Comp S	Q	A Comp S	Q	1 Comp S	Q		Q		Q		Q		Q		Q	7 Comp S	Q
2,3,7,8-TCDD					10.45		7.90		2	ND	[redacted]		[redacted]		[redacted]		[redacted]		[redacted]		2.4	ND
1,2,3,7,8-PeCDD					1.08	J	1.48		1.2	ND	[redacted]		[redacted]		[redacted]		[redacted]		[redacted]		1.4	ND
1,2,3,4,7,8-HxCDD					0.89	J	0.49	J	1.4	ND	[redacted]		[redacted]		[redacted]		[redacted]		[redacted]		1.5	ND
1,2,3,6,7,8-HxCDD					5.08	J	3.56		1.5	ND	[redacted]		[redacted]		[redacted]		[redacted]		[redacted]		1.5	ND
1,2,3,7,8,9-HxCDD					4.18	J	2.43		1.4	ND	[redacted]		[redacted]		[redacted]		[redacted]		[redacted]		1.5	ND
1,2,3,4,6,7,8-HpCDD					90.02		64.48		1	ND	[redacted]		[redacted]		[redacted]		[redacted]		[redacted]		1.5	ND
OCDD					1064.38		768.65		2.1	Q B J	[redacted]		[redacted]		[redacted]		[redacted]		[redacted]		1.3	ND
2,3,7,8-TCDF					10.06	ND#	4.62	#	2	ND	[redacted]		[redacted]		[redacted]		[redacted]		[redacted]		2.6	ND
1,2,3,7,8-PeCDF					2.19		2.31		1.1	ND	[redacted]		[redacted]		[redacted]		[redacted]		[redacted]		1.3	ND
2,3,4,7,8-PeCDF					5.31		3.83		0.92	ND	[redacted]		[redacted]		[redacted]		[redacted]		[redacted]		1	ND
1,2,3,4,7,8-HxCDF					27.31		9.11		0.79	ND	[redacted]		[redacted]		[redacted]		[redacted]		[redacted]		0.94	ND
1,2,3,6,7,8-HxCDF					4.30		2.67		0.84	ND	[redacted]		[redacted]		[redacted]		[redacted]		[redacted]		0.97	ND
2,3,4,6,7,8-HxCDF					3.94	J	2.29		0.9	ND	[redacted]		[redacted]		[redacted]		[redacted]		[redacted]		1.1	ND
1,2,3,7,8,9-HxCDF					0.83	J	1.12	ND	1.1	ND	[redacted]		[redacted]		[redacted]		[redacted]		[redacted]		1.3	ND
1,2,3,4,6,7,8-HpCDF					55.16		28.82		1	ND	[redacted]		[redacted]		[redacted]		[redacted]		[redacted]		1.3	ND
1,2,3,4,7,8,9-HpCDF					3.90	J	1.75		1.1	ND	[redacted]		[redacted]		[redacted]		[redacted]		[redacted]		1.5	ND
OCDF					86.85		49.03		1.1	ND	[redacted]		[redacted]		[redacted]		[redacted]		[redacted]		1.5	ND

* = NJDEP Required detection limit

\# = value from 2nd column confirmation

ND = Not detected

B = Indicates analyte detected in method blank as well as associated field sample

J = Detection limit below the reporting limit or is an estimated value

E = Estimated value

Table 23 Volatiles	Action Level		Action Level		Unamended Sediment (Units: ppb)		Amended Sediment (Units: ppb)		MEP Extracts													
ASI ID #	Soil	*	Leachate	*	20031405	*	20031409		MEP Day 1		MEP Day 2		MEP Day 3		MEP Day 4		MEP Day 5		MEP Day 6		MEP Day 7	
STL ID #	ug/kg		ug/L		Comp T	Q	A Comp T	Q	1 Comp T	Q	2 Comp T	Q	3 Comp T	Q	4 Comp T	Q	5 Comp T	Q	6 Comp T	Q	7 Comp T	Q
Chloromethane (Methyl Chloride)	520000	10	30	10	9.3	ND	8.5	ND														
Bromomethane	79000	10	10	10	9.3	ND	8.5	ND														
Vinyl chloride	2000	10	5	10	9.3	ND	8.5	ND														
Chloroethane	NA	10	NA	10	9.3	ND	8.5	ND														
Methylene chloride (Dichloromethane)	49000	10	3	10	9.3	ND	8.5	ND														
Acetone	1,000,000	10	700	10	19	ND	310															
Carbon disulfide	NA	10	NA	10	9.3	ND	11															
1,1-Dichloroethene	8000	10	2	10	9.3	ND	8.5	ND														
1,1-Dichloroethane	570000	10	50	10	9.3	ND	8.5	ND														
1,2-Dichloroethene (total)	NA	10	10	10	9.3	ND	8.5	ND														
Chloroform	19000	10	6	10	9.3	ND	8.5	ND														
1,2-Dichloroethane	NA	10	NA	10	9.3	ND	8.5	ND														
2-Butanone (MEK)	1000000	10	300	10	9.3	ND	54															
1,1,1-Trichloroethane	210000	10	30	10	9.3	ND	8.5	ND														
Carbon tetrachloride	2000	10	2	10	9.3	ND	8.5	ND														
Bromodichloromethane	11000	10	1	10	9.3	ND	8.5	ND														
1,2-Dichloropropane	10000	10	1	10	9.3	ND	8.5	ND														
cis-1,3-Dichloropropene	NA	10	NA	10	9.3	ND	8.5	ND														
Trichloroethene	23000	10	1	10	9.3	ND	8.5	ND														
Dibromochloromethane	110000	10	10	10	9.3	ND	8.5	ND														
1,1,2-Trichloroethane	22000	10	3	10	9.3	ND	8.5	ND														
Benzene	3000	10	1	10	9.3	ND	8.5	ND														
trans-1,3-dichloropropene	NA	10	NA	10	9.3	ND	8.5	ND														
Bromoform	86000	10	4	10	9.3	ND	8.5	ND														
4-Methyl-2-pentanone (MIBK)	1000000	10	400	10	9.3	ND	8.5	ND														
2-Hexanone	NA	10	NA	10	9.3	ND	8.5	ND														
Tetrachloroethene	4000	10	1	10	9.3	ND	8.5	ND														
1,1,2,2-Tetrachloroethane	NA	10	NA	10	9.3	ND	8.5	ND														
Toluene	1000000	10	1000	10	9.3	ND	8.5	ND														
Chlorobenzene	37000	10	50	10	9.3	ND	2.9	J														
Ethyl benzene	1000000	10	700	10	9.3	ND	8.5	ND														
Styrene	23000	10	100	10	9.3	ND	8.5	ND														
Xylenes(Total)	410000	10	1000	10	9.3	ND	8.5	ND														

Table 23 Semivolatiles	Action Level		Action Level		Unamended Sediment (Units: ppb)		Amended Sediment (Units: ppb)		MEP Extracts Units:ppm													
ASI ID #	Soil	*	Leachate	*	20031405	*	20031409		MEP Day 1		MEP Day 2		MEP Day 3		MEP Day 4		MEP Day 5		MEP Day 6		MEP Day 7	
STL ID #	ug/kg		ug/L		Comp T	Q	A Comp T	ND	1 Comp T	Q	2 Comp T	Q	3 Comp T	Q	4 Comp T	Q	5 Comp T	Q	6 Comp T	Q	7 Comp T	Q
Phenol	10,000,000	660	4,000	10	1500	ND	620	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
bis(2-Chloroethyl)ether	660	660	10	10	1500	ND	620	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2-Chlorophenol	2000	660	5	10	1500	ND	620	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
1,3-Dichlorobenzene	5100000	660	600	10	1500	ND	120	J	0.0012	J	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
1,4-Dichlorobenzene	570000	660	75	10	2205.4	D	4226.02	D	0.0038	J	0.0022	J	0.0016	J	0.00096	J	0.01	ND	0.01	ND	0.01	ND
1,2-Dichlorobenzene	5100000	660	600	10	1500	ND	620	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2-Methylphenol	2800000	660	NA	10	1500	ND	620	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
1-Chloropropane-2,2'-oxybis	2300000	660	300	10	1500	ND	620	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
4-Methylphenol	2800000	660	NA	10	1500	ND	620	ND	0.002	J	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
N-Nitroso-Di-N-Propylamine	660	660	20	10	1500	ND	620	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Hexachloroethane	6000	660	10	10	1500	ND	620	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Nitrobenzene	28000	660	10	10	1500	ND	620	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Isophorone	1100000	660	100	10	1500	ND	620	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2-Nitrophenol	NA	660	NA	10	1500	ND	620	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2,4-Dimethylphenol	1100000	660	100	10	1500	ND	620	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
bis(2-Chloroethoxy)methane	NA	660	NA	10	1500	ND	620	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2,4-Dichlorophenol	170000	660	20	10	1500	ND	620	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
1,2,4-Trichlorobenzene	68000	660	9	10	1500	ND	620	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Naphthalene	230000	660	300	10	1520.43		1968.63	D	0.0011	J	0.0008	J	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
4-Chloroaniline	230000	1300	NA	20	1500	ND	620	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Hexachloro-1,3-butadiene	NA	660	NA	10	1500	ND	620	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
4-Chloro-3-methylphenol	10,000,000	1,300	NA	20	1500	ND	620	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2-Methylnaphthalene	NA	660	NA	10	210	J	140	J	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Hexachlorocyclopentadiene	400000	660	50	10	3100	ND	1200	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
2,4,6-Trichlorophenol	62000	660	20	10	1500	ND	620	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2,4,5-Trichlorophenol	5600000	660	700	10	1500	ND	620	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2-Chloronaphthalene	NA	660	NA	10	1500	ND	620	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2-Nitroaniline	NA	3300	NA	50	7500	ND	3000	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
Dimethylphthalate	10,000,000	660	NA	10	1500	ND	620	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Acenaphthylene	NA	660	NA	10	1489.52		1709.61		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2,6-Dinitrotoluene	1000	660	10	10	1500	ND	620	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
3-Nitroaniline	NA	3300	NA	50	7500	ND	3000	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND

Table 23 Semivolatiles continued	Action Level		Action Level		Unamended Sediment (Units: ppb)		Amended Sediment (Units: ppb)		MEP Extracts Units:ppm													
ASI ID #	Soil	*	Leachate	*	20031405	*	20031409		MEP Day 1		MEP Day 2		MEP Day 3		MEP Day 4		MEP Day 5		MEP Day 6		MEP Day 7	
STL ID #	ug/kg		ug/L		Comp T	Q	A Comp T	Q	1 Comp T	Q	2 Comp T	Q	3 Comp T	Q	4 Comp T	Q	5 Comp T	Q	6 Comp T	Q	7 Comp T	Q
Acenaphthene	3400000	660	400	10	2691.89	D	1609.68		0.0024	J	0.0023	J	0.0023	J	0.002	J	0.0013	J	0.0017	J	0.0015	J
2,4-Dinitrophenol	110000	3300	40	50	7500	ND	3000	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
4-Nitrophenol	NA	3300	NA	50	7500	ND	3000	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
Dibenzofuran	NA	660	NA	10	1500	ND	620	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2,4-Dinitrotoluene	1000	660	10	10	1500	ND	620	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Diethylphthalate	10,000,000	660	5,000	10	1500	ND	620	ND	0.01	ND	0.00072	J	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
4-Chlorophenyl-phenylether	NA	660	NA	10	1500	ND	620	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Fluorene	2300000	660	300	10	1931.34		1101.51		0.01	ND	0.0006	J	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
4-Nitroaniline	NA	830	NA	20	3900	ND	1600	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND
4,6-Dinitro-2-methylphenol	NA	3300	NA	50	7500	ND	3000	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
N-Nitrosodiphenylamine	140000	660	20	10	1500	ND	620	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
4-Bromophenyl-phenylether	NA	660	NA	10	1500	ND	620	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Hexachlorobenzene	660	660	10	10	1500	ND	620	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Pentachlorophenol	6000	3300	1	50	7500	ND	3000	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
Phenanthrene	NA	6600	NA	10	11079.2	D	6417.39	D	0.0011	J	0.0011	J	0.0012	J	0.0012	J	0.00089	J	0.0012	J	0.0012	J
Anthracene	10000000	6600	2000	10	5346.99	D	3569.42	D	0.00084	J	0.00079	J	0.00076	J	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Carbazole	NA	330	NA	10	430	J	290	J	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Di-n-butylphthalate	5700000	330	900	10	1500	ND	620	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Fluoranthene	2300000	660	300	10	21875.46	D	16374.2	D	0.00096	J	0.001	J	0.0011	J	0.0011	J	0.01	ND	0.01	ND	0.0011	J
Pyrene	1700000	660	200	10	23647	D	16910.77	D	0.00096	J	0.001	J	0.0011	J	0.0011	J	0.00071	J	0.0014	J	0.0013	J
Butylbenzylphthalate	1100000	660	100	10	1500	ND	620	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
3,3'-Dichlorobenzidine	2000	1300	60	20	6100	ND	2400	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND
Benzo(a)anthracene	900	660	NA	10	[illegible]	D	[illegible]	D	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Chrysene	9000	660	NA	10	[illegible]	D	[illegible]	D	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
bis(2-Ethylhexyl)phthalate	49000	660	30	10	5900		3500		0.0042	J	0.016	B	0.0018	J	0.01	ND	0.0033	J	0.01	ND	0.0013	J
Di-n-octylphthalate	1100000	660	100	10	1500	ND	620	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Benzo(b)fluoranthene	900	660	NA	10	[illegible]	D	[illegible]	D	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Benzo(k)fluoranthene	900	660	NA	10	[illegible]	D	[illegible]	D	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Benzo(a)pyrene	660	660	NA	10	[illegible]	D	[illegible]	D	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Indeno(1,2,3-cd)pyrene	900	660	NA	10	[illegible]	D	[illegible]	D	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Dibenzo(a,h))anthracene	660	660	NA	10	[illegible]		[illegible]		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Benzo(ghi)perylene	NA	660	NA	10	4405.64	D	4142.15	D	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND

Table 23 Pesticides/Arochlors	Action Level		Action Level		Unamended Sediment (Units: ppb)		Amended Sediment (Units: ppb)		MEP Extracts Units:ppm													
ASI ID #	Soil	*	Leachate	*	20031405	*	20031409		MEP Day 1		MEP Day 2		MEP Day 3		MEP Day 4		MEP Day 5		MEP Day 6		MEP Day 7	
STL ID #	ug/kg		ug/L		Comp T	Q	A Comp T	Q	1 Comp T	Q	2 Comp T	Q	3 Comp T	Q	4 Comp T	Q	5 Comp T	Q	6 Comp T	Q	7 Comp T	Q
alpha-BHC	NA	1.9	0.02	0.05	16	ND	16	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
beta-BHC	NA	3.3	0.2	0.05	16	ND	16	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
delta-BHC	NA	1.7	NA	0.05	16	ND	16	ND	0.000044	J PG	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
gamma-BHC (Lindane)	520	2	0.2	0.05	16	ND	16	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Heptachlor	150	2.1	0.4	0.05	0.20	ND	0.17	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Aldrin	40	2	0.04	0.05	0.18	ND	0.16	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Heptachlor epoxide	NA	2.1	0.2	0.05	0.18	ND	0.16	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Endosulfan I		2.1	0.4	0.05	0.22	ND	0.19	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Dieldrin	42	3.3	0.03	0.1	13.09		6.62		0.000038	J PG	0.00005	ND	0.00005	ND	0.00005	ND	0.000017	J	0.00005	ND	0.00005	ND
4,4'-DDE	2000	4.2	0.1	0.1	78.60	D	52.93	D	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Endrin	17000	3.6	2	0.1	20		19		0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Endosulfan II		3.3	0.4	0.1	0.22	ND	0.18	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
4,4'-DDD	3000	4.2	0.1	0.1	273.22	D	182.80	D	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Endosulfan sulfate	NA	3.6	0.4	0.1	0.26	ND	0.22	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
4,4'-DDT	2000	3.6	0.1	0.1	80.29	D	113.37	D	0.000039	J PG	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Methoxychlor	280000	17	40	0.5	31	ND	28	J PG	0.0001	ND	0.0001	ND	0.0001	ND	0.0001	ND	0.0001	ND	0.0001	ND	0.0001	ND
Endrin ketone	NA	3.3	NA	0.1	16	ND	16	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Endrin aldehyde	NA	3.3	NA	0.1	16	ND	16	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
alpha-Chlordane	500	1.7	NA	0.05	28.58	D	18.99	D	0.000024	J PG	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
gamma-Chlordane	NA	1.7	0.5	0.05	14	J PG	22		0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Toxaphene	100	170	3	5	620	ND	630	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND
Arochlor-1016 **		33		1	31	ND	31	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Arochlor-1221 **		67		2	31	ND	31	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Arochlor-1232 **		33		1	31	ND	31	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Arochlor-1242 **		33		1	31	ND	31	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Arochlor-1248 **		33		1	870		1200		0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Arochlor-1254 **		33		1	31	ND	31	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Arochlor-1260 **		33		1	31	ND	370		0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Total Arochlor(SUM)	490		0.5																			

** Reported as units = ppm

Table 23 Metals	Action Level		Action Level		Unamended Sediment (Units: ppm)		Amended Sediment (Units: ppm)		MEP Extracts Units:ppm													
ASI ID #	Soil	*	Leachate	*	20031405	*	20031409		MEP Day 1		MEP Day 2		MEP Day 3		MEP Day 4		MEP Day 5		MEP Day 6		MEP Day 7	
STL ID #	mg/kg		mg/L		Comp T	Q	A Comp T	Q	1 Comp T	Q	2 Comp T	Q	3 Comp T	Q	4 Comp T	Q	5 Comp T	Q	6 Comp T	Q	7 Comp T	Q
Aluminum	NA	40	0.2	200	7630		9980		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]	J	[illegible]	
Antimony	14	12	0.02	60	[illegible]	N	0.93	ND	0.0038	B J	0.01	ND	0.01	ND	0.0042	B	0.0073	B	0.007	B	0.0076	B
Arsenic	20	2	0.008	10	[illegible]		[illegible]		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.0033	B	0.0046	B	0.0049	B
Barium	700	40	2	200	384		335		0.36	J	0.15	B J	0.061	B J	0.049	B J	0.043	B	0.05	B	0.037	B
Beryllium	1	1	0.02	5	0.64		0.71		0.004	ND	0.001	B J	0.0014	B J	0.0012	B	0.004	ND	0.0009	B J	0.0011	B J
Cadmium	1	1	0.004	5	[illegible]		[illegible]		0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND
Calcium	NA	1000	NA	5000	8520	E	52400	E	326		178	J	133	J	107	J	75.5		63.9		54.9	J
Chromium	NA	2	0.1	10	228		207		0.03		0.057		0.063		0.066		0.044		0.035		0.032	
Cobalt	NA	10	NA	50	8.7	E	9.2		0.00082	B	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
Copper	600	5	1	25	489		380		0.098		0.064		0.054		0.048		0.041		0.039		0.037	
Iron	NA	20	0.3	1000	19600		19800	E	0.053	B	0.1	ND	0.1	ND	0.1	ND	0.1	ND	0.1	ND	0.1	ND
Lead	400	0.6	0.01	3	[illegible]		318		0.0048		0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND
Magnesium	NA	1000	NA	5000	5080		7690		0.015	B	0.024	B	0.026	B	0.032	B	0.052	B	0.052	B	0.06	B
Manganese	NA	3	0.05	15	303		420	E	0.015	ND	0.015	ND	0.015	ND	0.015	ND	0.00017	B	0.015	ND	0.015	ND
Mercury	14	0.1	0.002	0.2	7.55		7.14		0.0002	ND	0.000056	B	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND
Nickel	250	8	0.1	40	83.3		80.8		0.056		0.013	B	0.0062	B	0.0046	B	0.0036	B	0.0035	B	0.0026	B
Potassium	NA	1000	NA	5000	2010		3190		50.6		4.5	B J	1.1	B	0.51	B	0.37	B	0.28	B	0.28	B
Selenium	63	1	0.05	5	2.5		1.4		0.0025	B	0.005		0.004	B	0.0049	B J	0.004	B	0.005	ND	0.005	ND
Silver	110	2	NA	10	3.23		2.84		0.005	ND	0.005	ND	0.0006	B	0.005	ND	0.005	ND	0.005	ND	0.005	ND
Sodium	NA	1000	50	5,000	7050		5810		[illegible]		12.8		4.7	B	9		5.5		8.7		7.4	
Thallium	2	2	0.01	10	0.93	ND	0.93	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Vanadium	370	10	NA	50	31.3		41.1		0.0038	B	0.0089	B	0.013	B	0.02	B	0.023	B	0.024	B	0.025	B
Zinc	1500	4	5	20	640		499		0.0046	B J	0.0027	B J	0.0025	B	0.02	ND	0.02	ND	0.0024	B	0.002	B
Cyanide, total	1100	0.5	0.2	10	0.45	B	0.42	B														
%Solids					49.45		57.73															

Table 23 Dioxins	Action Level		Action Level		Unamended Sediment (Units: ppt)		Amended Sediment (Units: ppt)		MEP Extracts Units:pg/L													
ASI ID #	Soil		Leachate		20031405		20031409		MEP Day 1		MEP Day 2		MEP Day 3		MEP Day 4		MEP Day 5		MEP Day 6		MEP Day 7	
STL ID #	ug/kg		ug/L		Comp T	Q	A Comp T	Q	1 Comp T	Q		Q		Q		Q		Q		Q	7 Comp T	Q
2,3,7,8-TCDD					32.99		27.29		1.8	ND	[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		3.4	ND
1,2,3,7,8-PeCDD					5.20		4.70		0.98	ND	[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		1.7	ND
1,2,3,4,7,8-HxCDD					4.42		3.38		0.85	ND	[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		1.8	ND
1,2,3,6,7,8-HxCDD					31.78		21.55		0.95	ND	[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		2	ND
1,2,3,7,8,9-HxCDD					18.86		14.63		0.86	ND	[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		1.8	ND
1,2,3,4,6,7,8-HpCDD					764.79		521.12		1.2	ND	[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		2.4	ND
OCDD					8568.16		7047.84		6.7	B J	[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		5.5	B J
2,3,7,8-TCDF					29.78	#	28.67	#	1.7	ND	[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		3.2	ND
1,2,3,7,8-PeCDF					18.46		17.28		0.74	ND	[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		1.5	ND
2,3,4,7,8-PeCDF					22.74		28.35		0.64	ND	[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		1.2	ND
1,2,3,4,7,8-HxCDF					107.76		96.38		1.5	J	[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		1.2	ND
1,2,3,6,7,8-HxCDF					32.03		33.27		0.99	Q J	[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		1.2	ND
2,3,4,6,7,8-HxCDF					21.63		17.53		1.4	J	[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		1.4	ND
1,2,3,7,8,9-HxCDF					2.08	J	1.60	J	0.82	ND	[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		1.7	ND
1,2,3,4,6,7,8-HpCDF					430.34		330.74		0.89	ND	[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		1.8	ND
1,2,3,4,7,8,9-HpCDF					28.41		22.19		1.1	ND	[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		2.7	ND
OCDF					886.77		515.43		1.3	ND	[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		2.5	ND

* = NJDEP Required detection limit

= value from 2nd column confirmation

ND = Not detected

B = Indicates analyte detected in method blank as well as associated field sample

J = Detection limit below the reporting limit or is an estimated value

E = Estimated value

Table 24 Volatiles	Action Level		Action Level		Unamended Sediment (Units: ppb)		Amended Sediment (Units: ppb)		MEP Extracts													
ASI ID #	Soil	*	Leachate	*	20031413		20031414		MEP Day 1		MEP Day 2		MEP Day 3		MEP Day 4		MEP Day 5		MEP Day 6		MEP Day 7	
STL ID #	ug/kg		ug/L		Comp V	Q	A Comp V	Q	1 Comp V	Q	2 Comp V	Q	3 Comp V	Q	4 Comp V	Q	5 Comp V	Q	6 Comp V	Q	7 Comp V	Q
Chloromethane (Methyl Chloride)	520000	10	30	10	9.7	ND	9.1	ND														
Bromomethane	79000	10	10	10	9.7	ND	9.1	ND														
Vinyl chloride	2000	10	5	10	9.7	ND	9.1	ND														
Chloroethane	NA	10	NA	10	9.7	ND	9.1	ND														
Methylene chloride (Dichloromethane)	49000	10	3	10	9.7	ND	9.1	ND														
Acetone	1,000,000	10	700	10	19	ND	94															
Carbon disulfide	NA	10	NA	10	9.7	ND	4.4	J														
1,1-Dichloroethene	8000	10	2	10	9.7	ND	9.1	ND														
1,1-Dichloroethane	570000	10	50	10	9.7	ND	9.1	ND														
1,2-Dichloroethene (total)	NA	10	10	10	9.7	ND	9.1	ND														
Chloroform	19000	10	6	10	9.7	ND	9.1	ND														
1,2-Dichloroethane	NA	10	NA	10	9.7	ND	9.1	ND														
2-Butanone (MEK)	1000000	10	300	10	9.7	ND	9.6															
1,1,1-Trichloroethane	210000	10	30	10	9.7	ND	9.1	ND														
Carbon tetrachloride	2000	10	2	10	9.7	ND	9.1	ND														
Bromodichloromethane	11000	10	1	10	9.7	ND	9.1	ND														
1,2-Dichloropropane	10000	10	1	10	9.7	ND	9.1	ND														
cis-1,3-Dichloropropene	NA	10	NA	10	9.7	ND	9.1	ND														
Trichloroethene	23000	10	1	10	9.7	ND	9.1	ND														
Dibromochloromethane	110000	10	10	10	9.7	ND	9.1	ND														
1,1,2-Trichloroethane	22000	10	3	10	9.7	ND	9.1	ND														
Benzene	3000	10	1	10	9.7	ND	9.1	ND														
trans-1,3-dichloropropene	NA	10	NA	10	9.7	ND	9.1	ND														
Bromoform	86000	10	4	10	9.7	ND	9.1	ND														
4-Methyl-2-pentanone (MIBK)	1000000	10	400	10	9.7	ND	9.1	ND														
2-Hexanone	NA	10	NA	10	9.7	ND	9.1	ND														
Tetrachloroethene	4000	10	1	10	9.7	ND	9.1	ND														
1,1,2,2-Tetrachloroethane	NA	10	NA	10	9.7	ND	9.1	ND														
Toluene	1000000	10	1000	10	9.7	ND	9.1	ND														
Chlorobenzene	37000	10	50	10	9.7	ND	9.1	ND														
Ethyl benzene	1000000	10	700	10	9.7	ND	9.1	ND														
Styrene	23000	10	100	10	9.7	ND	9.1	ND														
Xylenes(Total)	410000	10	1000	10	9.7	ND	9.1	ND														

Table 24 Semivolatiles	Action Level		Action Level		Unamended Sediment (Units: ppb)		Amended Sediment (Units: ppb)		MEP Extracts Units:ppm													
ASI ID #	Soil	*	Leachate	*	20031413		20031414		MEP Day 1		MEP Day 2		MEP Day 3		MEP Day 4		MEP Day 5		MEP Day 6		MEP Day 7	
STL ID #	ug/kg		ug/L		Comp V	Q	A Comp V	ND	1 Comp V	Q	2 Comp V	Q	3 Comp V	Q	4 Comp V	Q	5 Comp V	Q	6 Comp V	Q	7 Comp V	Q
Phenol	10,000,000	660	4,000	10	640	ND	660	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
bis(2-Chloroethyl)ether	660	660	10	10	640	ND	660	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2-Chlorophenol	2000	660	5	10	640	ND	660	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
1,3-Dichlorobenzene	5100000	660	600	10	640	ND	660	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
1,4-Dichlorobenzene	570000	660	75	10	248.78		186.54		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
1,2-Dichlorobenzene	5100000	660	600	10	640	ND	660	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2-Methylphenol	2800000	660	NA	10	640	ND	660	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
1-Chloropropane-2,2'-oxybis	2300000	660	300	10	640	ND	660	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
4-Methylphenol	2800000	660	NA	10	640	ND	660	ND	0.0012	J	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
N-Nitroso-Di-N-Propylamine	660	660	20	10	640	ND	660	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Hexachloroethane	6000	660	10	10	640	ND	660	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Nitrobenzene	28000	660	10	10	640	ND	660	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Isophorone	1100000	660	100	10	640	ND	660	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2-Nitrophenol	NA	660	NA	10	640	ND	660	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2,4-Dimethylphenol	1100000	660	100	10	640	ND	660	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
bis(2-Chloroethoxy)methane	NA	660	NA	10	640	ND	660	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2,4-Dichlorophenol	170000	660	20	10	640	ND	660	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
1,2,4-Trichlorobenzene	68000	660	9	10	640	ND	660	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Naphthalene	230000	660	300	10	423.42		399.08		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
4-Chloroaniline	230000	1300	NA	20	130	J	140	J	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Hexachloro-1,3-butadiene	NA	660	NA	10	640	ND	660	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
4-Chloro-3-methylphenol	10,000,000	1,300	NA	20	640	ND	660	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2-Methylnaphthalene	NA	660	NA	10	640	ND	660	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Hexachlorocyclopentadiene	400000	660	50	10	1300	ND	1300	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
2,4,6-Trichlorophenol	62000	660	20	10	640	ND	660	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2,4,5-Trichlorophenol	5600000	660	700	10	640	ND	660	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2-Chloronaphthalene	NA	660	NA	10	640	ND	660	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2-Nitroaniline	NA	3300	NA	50	3100	ND	3200	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
Dimethylphthalate	10,000,000	660	NA	10	640	ND	660	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Acenaphthylene	NA	660	NA	10	402.43		128.33		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2,6-Dinitrotoluene	1000	660	10	10	640	ND	660	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
3-Nitroaniline	NA	3300	NA	50	3100	ND	3200	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND

Table 24 Semivolatiles continued	Action Level		Action Level		Unamended Sediment (Units: ppb)		Amended Sediment (Units: ppb)		MEP Extracts Units:ppm													
ASI ID #	Soil	*	Leachate	*	20031413		20031414		MEP Day 1		MEP Day 2		MEP Day 3		MEP Day 4		MEP Day 5		MEP Day 6		MEP Day 7	
STL ID #	ug/kg		ug/L		Comp V	Q	A Comp V	Q	1 Comp V	Q	2 Comp V	Q	3 Comp V	Q	4 Comp V	Q	5 Comp V	Q	6 Comp V	Q	7 Comp V	Q
Acenaphthene	3400000	660	400	10	201.66		141.63		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2,4-Dinitrophenol	110000	3300	40	50	3100	ND	3200	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
4-Nitrophenol	NA	3300	NA	50	3100	ND	3200	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
Dibenzofuran	NA	660	NA	10	640	ND	660	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
2,4-Dinitrotoluene	1000	660	10	10	640	ND	660	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Diethylphthalate	10,000,000	660	5,000	10	640	ND	660	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
4-Chlorophenyl-phenylether	NA	660	NA	10	640	ND	660	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Fluorene	2300000	660	300	10	165.04		133.99		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
4-Nitroaniline	NA	830	NA	20	80	J	1700	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND
4,6-Dinitro-2-methylphenol	NA	3300	NA	50	3100	ND	3200	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
N-Nitrosodiphenylamine	140000	660	20	10	640	ND	660	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
4-Bromophenyl-phenylether	NA	660	NA	10	640	ND	660	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Hexachlorobenzene	660	660	10	10	640	ND	660	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Pentachlorophenol	6000	3300	1	50	3100	ND	3200	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
Phenanthrene	NA	6600	NA	10	1037.41		631.26		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Anthracene	10000000	6600	2000	10	705.15		411.12		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Carbazole	NA	330	NA	10	110	J	80	J	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Di-n-butylphthalate	5700000	330	900	10	640	ND	660	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Fluoranthene	2300000	660	300	10	2876.63	D	1744.36		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Pyrene	1700000	660	200	10	3370.04	D	2216.78		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Butylbenzylphthalate	1100000	660	100	10	640	ND	660	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
3,3'-Dichlorobenzidine	2000	1300	60	20	2500	ND	2600	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND
Benzo(a)anthracene	900	660	NA	10	[illegible]		866.43		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Chrysene	9000	660	NA	10	2437.51		934.03		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
bis(2-Ethylhexyl)phthalate	49000	660	30	10	4500		3100		0.01		0.0014	J B	0.0013	J	0.0013	J B	0.0028	J	0.01	ND	0.0012	J
Di-n-octylphthalate	1100000	660	100	10	640	ND	660	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Benzo(b)fluoranthene	900	660	NA	10	[illegible]		862.17		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Benzo(k)fluoranthene	900	660	NA	10	[illegible]		778.43		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Benzo(a)pyrene	660	660	NA	10	[illegible]		[illegible]		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Indeno(1,2,3-cd)pyrene	900	660	NA	10	[illegible]		619.68		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Dibenzo(a,h))anthracene	660	660	NA	10	428.98		168.02		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Benzo(ghi)perylene	NA	660	NA	10	1177.7		494.7		0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND

Table 24 Pesticides/Arochlors	Action Level		Action Level		Unamended Sediment (Units: ppb)		Amended Sediment (Units: ppb)		MEP Extracts Units:ppm													
ASI ID #	Soil	*	Leachate	*	20031413		20031414		MEP Day 1		MEP Day 2		MEP Day 3		MEP Day 4		MEP Day 5		MEP Day 6		MEP Day 7	
STL ID #	ug/kg		ug/L		Comp V	Q	A Comp V	Q	1 Comp V	Q	2 Comp V	Q	3 Comp V	Q	4 Comp V	Q	5 Comp V	Q	6 Comp V	Q	7 Comp V	Q
alpha-BHC	NA	1.9	0.02	0.05	16	ND	17	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
beta-BHC	NA	3.3	0.2	0.05	16	ND	17	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
delta-BHC	NA	1.7	NA	0.05	16	ND	17	ND	0.000055	PG	0.00005	ND	0.00005	ND	0.00005	ND	0.000022	J PG	0.00005	ND	0.00005	ND
gamma-BHC (Lindane)	520	2	0.2	0.05	16	ND	17	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Heptachlor	150	2.1	0.4	0.05	0.20	ND	0.18	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Aldrin	40	2	0.04	0.05	0.18	ND	0.16	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Heptachlor epoxide	NA	2.1	0.2	0.05	0.18	ND	0.16	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Endosulfan I		2.1	0.4	0.05	0.22	ND	0.20	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Dieldrin	42	3.3	0.03	0.1	5.28		3.96		0.000045	J PG	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
4,4'-DDE	2000	4.2	0.1	0.1	254.25	D	253.24	D	0.000021	J PG	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Endrin	17000	3.6	2	0.1	16	ND	17	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Endosulfan II		3.3	0.4	0.1	0.21	ND	0.19	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
4,4'-DDD	3000	4.2	0.1	0.1	531.86	D	697.69	D	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00002	J PG	0.00005	ND	0.00005	ND
Endosulfan sulfate	NA	3.6	0.4	0.1	0.25	ND	0.22	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
4,4'-DDT	2000	3.6	0.1	0.1	552.51	D	1773.04	D	0.000048	J PG	0.00005	ND	0.00005	ND	0.00005	ND	0.000058	PG	0.00005	ND	0.00005	ND
Methoxychlor	280000	17	40	0.5	32	ND	33	ND	0.0001	ND	0.0001	ND	0.0001	ND	0.0001	ND	0.0001	ND	0.0001	ND	0.0001	ND
Endrin ketone	NA	3.3	NA	0.1	16	ND	17	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Endrin aldehyde	NA	3.3	NA	0.1	16	ND	17	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
alpha-Chlordane	500	1.7	NA	0.05	11.89		8.34		0.000022	J PG	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
gamma-Chlordane	NA	1.7	0.5	0.05	9.3	J	8.7	J	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND	0.00005	ND
Toxaphene	100	170	3	5	650	ND	670	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND
Arochlor-1016 **		33		1	32	ND	33	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Arochlor-1221 **		67		2	32	ND	33	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Arochlor-1232 **		33		1	32	ND	33	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Arochlor-1242 **		33		1	32	ND	33	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Arochlor-1248 **		33		1	420		290		0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Arochlor-1254 **		33		1	32	ND	33	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Arochlor-1260 **		33		1	32	ND	33	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Total Arochlor(SUM)	490		0.5																			

** Reported as units = ppm

Table 24 Metals	Action Level		Action Level		Unamended Sediment (Units: ppm)		Amended Sediment (Units: ppm)		MEP Extracts Units:ppm													
ASI ID #	Soil	*	Leachate	*	20031413		20031414		MEP Day 1		MEP Day 2		MEP Day 3		MEP Day 4		MEP Day 5		MEP Day 6		MEP Day 7	
STL ID #	ug/kg		mg/L		Comp V	Q	A Comp V	Q	1 Comp V	Q	2 Comp V	Q	3 Comp V	Q	4 Comp V	Q	5 Comp V	Q	6 Comp V	Q	7 Comp V	Q
Aluminum	NA	40	0.2	200	9180		13100		0.5		25		26		18		3.6		6.6	J	[illegible]	
Antimony	14	12	0.02	60	0.97	ND	1	ND	0.0048	B J	0.01	ND	0.01	ND	0.01	ND	0.0058	B	0.0053	B	0.0059	B
Arsenic	20	2	0.008	10	[illegible]		[illegible]		0.01	ND	0.0028	B	0.01	ND	0.0037	B	0.0031	B	0.0044	B	0.0067	B
Barium	700	40	2	200	278		282		0.19	B J	0.06	B J	0.046	B J	0.036	B J	0.03	B	0.018	B	0.027	B
Beryllium	1	1	0.02	5	0.75		0.84		0.004	ND	0.0012	B J	0.0014	B J	0.0013	B	0.004	ND	0.0012	B J	0.001	B J
Cadmium	1	1	0.004	5	[illegible]		[illegible]		0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND
Calcium	NA	1000	NA	5000	8630	E	66700	E	300		167	J	124	J	95.3	J	71.4		59.3		53.2	J
Chromium	NA	2	0.1	10	209		215		0.041		0.071		0.073		0.073		0.046		0.035		0.033	
Cobalt	NA	10	NA	50	9.6	E	9.6		0.0008	B	0.0013	B	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND
Copper	600	5	1	25	409		293		0.12		0.059		0.045		0.041		0.04		0.034		0.034	
Iron	NA	20	0.3	1000	20900		23100	E	0.032	B	0.1	ND	0.1	ND	0.1	ND	0.03	B	0.02	B J	0.021	B
Lead	400	0.6	0.01	3	365		211		0.0029	B	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND
Magnesium	NA	1000	NA	5000	5650		9050		5	ND	0.037	B	0.029	B	0.037	B	0.047	B	0.071	B	0.09	B
Manganese	NA	3	0.05	15	295		447	E	0.015	ND	0.015	ND	0.015	ND	0.015	ND	0.0002	B	0.00035	B J	0.00023	B
Mercury	14	0.1	0.002	0.2	6.53		4.68		0.0002	ND	0.000072	B	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND
Nickel	250	8	0.1	40	66.8		72.3		0.047		0.01	B	0.0044	B	0.004	B	0.0029	B	0.0025	B	0.0026	B
Potassium	NA	1000	NA	5000	2420		4060		47.3		5.2	J	1.4	B	0.68	B	0.54	B	0.29	B	0.39	B
Selenium	63	1	0.05	5	1.8		1.6		0.005	ND	0.0046	B	0.0038	B	0.005	ND	0.005	ND	0.0028	B	0.005	ND
Silver	110	2	NA	10	4.47		3.37		0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND
Sodium	NA	1000	50	5,000	7600		7620		[illegible]		13.7		6.3		4.9	B	5.4		7.2		7.2	
Thallium	2	2	0.01	10	0.97	ND	1	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Vanadium	370	10	NA	50	32.8		43.5		0.0045	B	0.01	B	0.016	B	0.023	B	0.026	B	0.026	B	0.029	B
Zinc	1500	4	5	20	496		397		0.0022	B J	0.0022	B J	0.02	ND	0.02	ND	0.0015	B	0.0034	B	0.0023	B
Cyanide, total	1100	0.5	0.2	10	0.35	B	0.33	B														
%Solids					51.88		55.21															

Table 24 Dioxins	Action Level		Action Level		Unamended Sediment (Units: ppt)		Amended Sediment (Units: ppt)		MEP Extracts Units:pg/L													
ASI ID #	Soil	*	Leachate	*	20031413		20031414		MEP Day 1		MEP Day 2		MEP Day 3		MEP Day 4		MEP Day 5		MEP Day 6		MEP Day 7	
STL ID #	ug/kg		ug/L		Comp V	Q	A Comp V	Q	1 Comp V	Q		Q		Q		Q		Q		Q	7 Comp V	Q
2,3,7,8-TCDD					29.61		21.44		1.6	ND	[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		3	ND
1,2,3,7,8-PeCDD					4.36		3.47		0.86	ND	[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		1.6	ND
1,2,3,4,7,8-HxCDD					3.83		3.91		0.87	ND	[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		1.9	ND
1,2,3,6,7,8-HxCDD					23.59		20.01		0.96	ND	[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		1.9	ND
1,2,3,7,8,9-HxCDD					15.81		14.68		0.88	ND	[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		1.8	ND
1,2,3,4,6,7,8-HpCDD					477.42		494.95		1.1	ND	[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		1.9	ND
OCDD					4592.43		4502.38		2.5	Q B J	[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		2.1	Q B J
2,3,7,8-TCDF					23.89	#	18.09	#	1.6	ND	[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		2.6	ND
1,2,3,7,8-PeCDF					11.82		9.56		0.71	ND	[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		1.4	ND
2,3,4,7,8-PeCDF					17.05		13.34		0.56	ND	[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		1.1	ND
1,2,3,4,7,8-HxCDF					57.76		43.90		0.52	ND	[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		1.2	ND
1,2,3,6,7,8-HxCDF					19.24		14.38		0.54	Q J	[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		1.1	ND
2,3,4,6,7,8-HxCDF					13.92		10.10		0.6	ND	[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		1.2	ND
1,2,3,7,8,9-HxCDF					1.27	J	0.76	J	0.73	ND	[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		1.6	ND
1,2,3,4,6,7,8-HpCDF					234.35		183.10		0.74	ND	[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		1.5	ND
1,2,3,4,7,8,9-HpCDF					14.32		10.99		0.93	ND	[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		2.4	ND
OCDF					394.88		311.50		1.2	ND	[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		2.2	ND

* = NJDEP Required detection limit

\# = value from 2nd column confirmation

ND = Not detected

B = Indicates analyte detected in method blank as well as associated field sample

J = Detection limit below the reporting limit or is an estimated value

E = Estimated value

Table 25 Semivolatiles	Field Blank **		Field Blank		Field Blank		Field Blank	
ASI ID #	20031150		20031223		20031372		20031379	
STL ID #	ug/L		ug/L	Q	ug/L	Q	ug/L	Q
Phenol			9.4	ND	9.5	ND	9.8	ND
bis(2-Chloroethyl)ether			9.4	ND	9.5	ND	9.8	ND
2-Chlorophenol			9.4	ND	9.5	ND	9.8	ND
1,3-Dichlorobenzene			9.4	ND	9.5	ND	9.8	ND
1,4-Dichlorobenzene	11.27	B	9.4	ND	9.5	ND	9.8	ND
1,2-Dichlorobenzene			9.4	ND	9.5	ND	9.8	ND
2-Methylphenol			9.4	ND	9.5	ND	9.8	ND
1-Chloropropane-2,2'-oxybis			9.4	ND	9.5	ND	9.8	ND
4-Methylphenol			9.4	ND	9.5	ND	9.8	ND
N-Nitroso-Di-N-Propylamine			9.4	ND	9.5	ND	9.8	ND
Hexachloroethane			9.4	ND	9.5	ND	9.8	ND
Nitrobenzene			9.4	ND	9.5	ND	9.8	ND
Isophorone			9.4	ND	9.5	ND	9.8	ND
2-Nitrophenol			9.4	ND	9.5	ND	9.8	ND
2,4-Dimethylphenol			9.4	ND	9.5	ND	9.8	ND
bis(2-Chloroethoxy)methane			9.4	ND	9.5	ND	9.8	ND
2,4-Dichlorophenol			9.4	ND	9.5	ND	9.8	ND
1,2,4-Trichlorobenzene			9.4	ND	9.5	ND	9.8	ND
Naphthalene	8.97		9.4	ND	9.5	ND	9.8	ND
4-Chloroaniline			9.4	ND	9.5	ND	9.8	ND
Hexachloro-1,3-butadiene			9.4	ND	9.5	ND	9.8	ND
4-Chloro-3-methylphenol			9.4	ND	9.5	ND	9.8	ND
2-Methylnaphthalene			9.4	ND	9.5	ND	9.8	ND
Hexachlorocyclopentadiene			47	ND	9.5	ND	9.8	ND
2,4,6-Trichlorophenol			9.4	ND	9.5	ND	9.8	ND
2,4,5-Trichlorophenol			9.4	ND	9.5	ND	9.8	ND
2-Chloronaphthalene			9.4	ND	9.5	ND	9.8	ND
2-Nitroaniline			47	ND	48	ND	49	ND
Dimethylphthalate			9.4	ND	9.5	ND	9.8	ND
Acenaphthylene	0.86	ND	9.4	ND	9.5	ND	9.8	ND
2,6-Dinitrotoluene			9.4	ND	9.5	ND	9.8	ND
3-Nitroaniline			47	ND	48	ND	49	ND

Table 25 Semivolatiles continued	Field Blank **		Field Blank		Field Blank		Field Blank	
ASI ID #	20031150		20031223		20031372		20031379	
STL ID #	ug/L		ug/L	Q	ug/L	Q	ug/L	Q
Acenaphthene	0.91	ND	9.4	ND	9.5	ND	9.8	ND
2,4-Dinitrophenol			47	ND	48	ND	49	ND
4-Nitrophenol			47	ND	48	ND	49	ND
Dibenzofuran			9.4	ND	9.5	ND	9.8	ND
2,4-Dinitrotoluene			9.4	ND	9.5	ND	9.8	ND
Diethylphthalate			9.4	ND	9.5	ND	9.8	ND
4-Chlorophenyl-phenylether			9.4	ND	9.5	ND	9.8	ND
Fluorene	0.83	ND	9.4	ND	9.5	ND	9.8	ND
4-Nitroaniline			47	ND	48	ND	49	ND
4,6-Dinitro-2-methylphenol			47	ND	48	ND	49	ND
N-Nitrosodiphenylamine			9.4	ND	9.5	ND	9.8	ND
4-Bromophenyl-phenylether			9.4	ND	9.5	ND	9.8	ND
Hexachlorobenzene			9.4	ND	9.5	ND	9.8	ND
Pentachlorophenol			0.79	J	48	ND	49	ND
Phenanthrene	0.92	J	9.4	ND	9.5	ND	9.8	ND
Anthracene	0.24	J	9.4	ND	9.5	ND	9.8	ND
Carbazole			9.4	ND	9.5	ND	9.8	ND
Di-n-butylphthalate			9.4	ND	9.5	ND	9.8	ND
Fluoranthene	0.95	ND	9.4	ND	9.5	ND	9.8	ND
Pyrene	1.1	ND	9.4	ND	9.5	ND	9.8	ND
Butylbenzylphthalate			9.4	ND	9.5	ND	9.8	ND
3,3'-Dichlorobenzidine			47	ND	48	ND	49	ND
Benzo(a)anthracene	1.67	ND	9.4	ND	9.5	ND	9.8	ND
Chrysene	0.72	ND	9.4	ND	9.5	ND	9.8	ND
bis(2-Ethylhexyl)phthalate			6.4	J	2.2	J	6.6	J
Di-n-octylphthalate			9.4	ND	9.5	ND	9.8	ND
Benzo(b)fluoranthene	1.42	ND	9.4	ND	9.5	ND	9.8	ND
Benzo(k)fluoranthene	1.6	ND	9.4	ND	9.5	ND	9.8	ND
Benzo(a)pyrene	1.23	ND	9.4	ND	9.5	ND	9.8	ND
Indeno(1,2,3-cd)pyrene	1.21	ND	9.4	ND	9.5	ND	9.8	ND
Dibenzo(a,h)anthracene	1.03	ND	9.4	ND	9.5	ND	9.8	ND
Benzo(ghi)perylene	1.21	ND	9.4	ND	9.5	ND	9.8	ND

Table 25 Pesticides/Arochlors	Field Blank SEE PAGE 128		Field Blank		Field Blank		Field Blank	
ASI ID #	20031150		20031223		20031372		20031379	
STL ID #	ug/L		ug/L	Q	ug/L	Q	ug/L	Q
alpha-BHC			0.047	ND	0.048	ND	0.048	ND
beta-BHC			0.047	ND	0.048	ND	0.048	ND
delta-BHC			0.047	ND	0.048	ND	0.048	ND
gamma-BHC (Lindane)			0.047	ND	0.048	ND	0.048	ND
Heptachlor			0.047	ND	0.048	ND	0.048	ND
Aldrin			0.047	ND	0.048	ND	0.048	ND
Heptachlor epoxide			0.047	ND	0.048	ND	0.048	ND
Endosulfan I			0.047	ND	0.048	ND	0.048	ND
Dieldrin			0.047	ND	0.048	ND	0.048	ND
4,4'-DDE			0.047	ND	0.048	ND	0.048	ND
Endrin			0.047	ND	0.048	ND	0.048	ND
Endosulfan II			0.047	ND	0.048	ND	0.048	ND
4,4'-DDD			0.047	ND	0.048	ND	0.048	ND
Endosulfan sulfate			0.047	ND	0.048	ND	0.048	ND
4,4'-DDT			0.047	ND	0.048	ND	0.048	ND
Methoxychlor			94	ND	95	ND	95	ND
Endrin ketone								
Endrin aldehyde								
alpha-Chlordane			0.047	ND	0.048	ND	0.048	ND
gamma-Chlordane			0.047	ND	0.048	ND	0.048	ND
Toxaphene			1.9	ND	1.9	ND	1.9	ND
Arochlor-1016 *								
Arochlor-1221 *								
Arochlor-1232 *								
Arochlor-1242 *								
Arochlor-1248 *								
Arochlor-1254 *								
Arochlor-1260 *								
Total Arochlor(SUM)								
Combined endosulfans(SUM) Endosulfan I + II + sulfate								

* Reported as units = ppm

Table 25 Metals	Field Blank **		Field Blank ug/L		Field Blank ug/L		Field Blank ug/L	
ASI ID #	20031150		20031223		20031372		20031379	
STL ID #	ug/L		ug/L	Q	ug/L	Q	ug/L	Q
Aluminum			200	ND	24	BJ	23.3	BJ
Antimony			4.2	B	10	ND	10	ND
Arsenic			10	ND	10	ND	10	ND
Barium			0.78	B	1.1	BJ	0.94	B
Beryllium			0.69	B J	1.6	BJ	1.6	BJ
Cadmium			5.0	ND	5	ND	5	ND
Calcium			208	BJ	105	BJ	28.8	BJ
Chromium			5.0	ND	0.73	BJ	5.0	ND
Cobalt			50	ND	50	ND	50	ND
Copper			25	ND	25	ND	25	ND
Iron			19.5	B	100	ND	100	ND
Lead			3.0	ND	3	ND	3.0	ND
Magnesium			5000	ND	35.1	B	32.2	B
Manganese			0.28	B	0.31	B	15	ND
Mercury			0.2	ND	0.2	ND	0.2	ND
Nickel			40	ND	40	ND	40	ND
Potassium			105	B	5000	ND	5000	ND
Selenium			5.0	ND	5	ND	5.0	ND
Silver			5.0	ND	5.0	ND	0.74	B
Sodium			594	B	5000	ND	5000	ND
Thallium			10.0	ND	10	ND	10	ND
Vanadium			50	ND	50	ND	50	ND
Zinc			16.6	B	2.7	B	1.3	B
Cyanide, total								
%Solids								

Table 25 Pesticides/Arochlors	Field Blank	
ASI ID #	20031150	
Battelle ID #	ng/L	Q
2,4-DDD	1.00	ND
2,4-DDE	0.84	ND
2,4-DDT	0.59	ND
4,4-DDD	1.16	ND
4,4-DDE	0.84	ND
4,4-DDT	0.72	ND
alpha-Chlordane	0.46	ND
Aldrin	0.48	ND
Dieldrin	0.94	ND
Endosulfan I	0.34	ND
Endosulfan II	0.85	ND
Endosulfan sulfate	0.8	ND
Heptachlor	0.72	ND
Heptochllor epoxide	1.93	ND
trans Nonachlor	0.49	ND
C12(08)	0.58	ND
C13(18)	0.99	ND
C13(28)	0.74	ND
C14(44)	0.57	ND
C14(48)	0.47	ND
C14(52)	0.6	ND
C14(66)	0.5	ND
C15(87)	0.86	ND
C15101)	0.48	ND
C15((105)	0.91	ND
C15(118)	0.84	ND
C16(128)	0.78	ND
C16(138)	0.8	ND
C16(153)	0.8	ND
C17(170)	0.69	ND
C17(180)	0.53	ND
C17(183)	0.79	ND
C17(184)	0.89	ND
C17(187)	0.69	ND
C18(195)	0.57	ND
C19(206)	0.46	ND
C110(209)	0.52	ND

** Battelle analyzed this sample for PCB/pest and PAHs only

= value from 2nd column confirmation

ND = Not detected

B = Indicates analyte detected in method blank as well as associated field sample

J = Analyte detected above the achieved MDL, but below the target MDL

E = Estimated value

DATA QUALIFIERS FOR ORGANIC ANALYSES

Data Qualifiers used on Form 1s or Certificates of Analysis (COA) follow the specifications set forth in the technical specifications of the most current CLP Statement of Work and are defined as follows:

Section	Explanation	Location
A	The TIC is suspected aldol-condensation product.	COA, Form 1, and EDD
B	Analyte was detected in the associated method blank as well as in the sample.	COA, Form 1, and EDD
C	Pesticide analyte has been confirmed by GC/MS.	COA, Form 1, and EDD
D	Analyte(s) quantified in an analysis performed at a secondary dilution factor.	COA, Form 1, and EDD
E	Identifies compounds whose concentrations exceed the upper level of the calibration range of the instrument for that specific analysis.	COA, Form 1, and EDD
J	This flag indicates an estimated value concerning either, (1) estimating a concentration for tentatively identified compounds (TICs), or (2) analyte detected at a level less than the RDL or PQL and greater than or equal to the MDL.	COA, Form 1, and EDD
N	Presumptive evidence based upon a mass spectral library search to make a tentative identification of the analyte.	COA, Form 1, and EDD
NJ	Analyte has been tentatively identified and the associated numerical value is estimated based upon 1:1 response factor to the nearest eluting internal standard.	COA, Form 1, and EDD
P	- Pesticide/PCB target analyte that is greater than 25% difference for the detected concentrations between the two GC columns. - HPLC target analyte that is greater than 40% difference for the detected concentrations between detectors or columns.	Form 1 and EDD
ND	Compound analyzed for but not detected (sample quantitation limit has been adjusted to reflect dilutions and percent moisture).	COA, Form 1, and EDD
X	Other reporting flag as defined in report narrative.	COA, Form 1, and EDD
**	Laboratory Control Sample recovery outside of acceptance limit.	QC Summary Report

All surrogate recoveries and acceptance ranges are reported at the bottom of Form 2 or COA.