65-15

BCT AGENDA

February 16, 1999
1330 – 1630 hours

- → **Completion Report of Environmental Sites in the Prison Parcel**
- → **Finding of Suitability to Transfer for Prison Parcel**

February 17, 1999
0830 - 1200 hours

- → **Prison Parcel Tour and Discussion (cont'd from Tues as needed)**
- → **Ash Landfill Treatability Study Update**
- → **EE/CA Completion SEAD 11, 64A, 64D, SEAD 59/71**
- → **Funding for FY 2000**

DRAFT

FINDING OF SUITABILITY TO TRANSFER (FOST) PRISON PARCEL

SENECA ARMY DEPOT ACTIVITY, NEW YORK

February 9, 1999

FINDING OF SUITABILITY TO TRANSFER
(FOST)
PRISON PARCEL

SENECA ARMY DEPOT ACTIVITY, NEW YORK
February 9,1999

1. PURPOSE

The purpose of this Finding Of Suitability To Transfer (FOST) is to document the environmental suitability of the Amended, Proposed Prison Site at Seneca Army Depot Activity (SEDA), New York for transfer to New York State Department of Correctional Services (DOCS) for use as a Maximum Security Correctional Facility as set forth in the Seneca Army Depot Reuse Plan and Implementation Strategy and consistent with the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Section 120 (h) and Department of Defense policy. In addition, the FOST identifies any use restrictions as specified in the attached Environmental Protection Provisions necessary to protect human health and the environment after such transfer.

2. PROPERTY DESCRIPTIONS

The proposed property to be transferred consists of 710 acres, which includes 8 buildings and/or structures and a number of other land improvement items. A listing of the 8 buildings and/or structures are attached as Enclosure 1 pages 1, Buildings and Structures List and a land improvement items list are attached as Enclosure 1 page 1, Site maps of the proposed property for transfer are attached as Enclosure 1 page 2, SEDA Installation Map, Enclosure 1 page 3, Overall Site Plan, Enclosure 1 page 4, CERFA Map BRAC Parcel Designation, Prison Parcel and adjacent property.

3. ENVIRONMENTAL CONDITION OF THE PROPERTY

A determination of the environmental condition of the facilities and property has been made based on the Community Environmental Response Facilitation Act (CERFA) Report, dated March 22, 1996 and as amended on December 6, 1996, and an Environmental Baseline Survey (EBS), dated March 22, 1996, and as revised on October 30, 1996. The information provided is a result of a complete search of agency files during the development of the CERFA Report and the EBS. The following documents also provided information on environmental conditions of the property: SEDA's Asbestos Management Plan, SEDA's radon survey, SEDA's Bulk Petroleum Storage registration, SEDA's electrical transformer PCB survey and New York State Department of Environmental Conservation (NYSDEC) Region 8 spill list, and the SEDA Ordnance and Explosives Archives Search Report dated December 1998.

3.1 Environmental Conditions of Property Categories:

The Department of Defense (DOD) Environmental Condition of Property (ECP), as established in the DOD 1997 Appropriations Act, Category 1: Areas where no release or disposal of hazardous substances or petroleum products has occurred. Category 3: Areas where storage, release, disposal, or migration of hazardous substances has occurred, but at concentrations that do not require a removal or remedial action. Category 4: Areas where storage, release, disposal, or migration of hazardous substances has occurred, and all removal or remedial actions to protect human health and the environment have been taken. The ECP Categories for the specific buildings and/or parcels is as follows:

ECP Category 1: Two parcels identified as BRAC parcel number 3(1) Depot Wide 683.34 acres. 9(1)HS(P) Acid storage 1.68 acres, .

ECP Category 3: Five parcels identified as BRAC parcels number 59(6)PS/PR/HR Building 608 and 612 (SEAD-52) and (SEAD 60) 7.57 acres. 60(6)HR Material proof and surveillance test area (SEAD-44A) 3.72 acres. 61(6)HR Material proof and surveillance test area (SEAD-44B) 1.62 acres. 62(6)HR(P) Nicotine sulfate disposal area (SEAD-62) 1.82 acres. 63(6)PS/HS/HR, Building 606 – Old missile propellant Test Laboratory (SEAD-43), disposal area (SEAD-69), herbicide and pesticide storage (SEAD-56), UST at building 606, 10.0 acres. ***(Pending approval of completion Report)***

ECP Category 4: One parcel identified as BRAC parcel number 146(4)PR/HR Petroleum spill .25 acres.

A summary of the ECP Categories for specific buildings or parcels is provided in Table 1 - Description of Property (Enclosure 2 page 1).

3.2 Storage, Release , or Disposal of Hazardous Substances

Hazardous substances were stored for one year or more in excess of the 40 CFR Part 373 reportable quantities in the following buildings 606 and 611. There is no evidence that hazardous substances were released, or disposed of in excess of reportable quantities on the property.
A summary of the buildings or areas in which hazardous substances were stored in excess of 40 CFR Part 373 reportable quantities is provided in Table 2 - Notification of Hazardous Substance Storage, Release or disposal (Enclosure 3).

3.3 Petroleum and Petroleum Products

3.3.1 Storage, Release, or Disposal of Petroleum or Petroleum Products

There is evidence that petroleum or petroleum products in excess of 55 gallons at one time were stored, released, or disposed of on the property. A summary of the petroleum products activities is provided in Table 3 - Notification of Petroleum Products Storage, Release or Disposal (Enclosure 4).

3.3.2 Underground and Above-Ground Storage Tanks (UST/AST)

There are 2 aboveground storage tanks (AST) on the Property that were used for storage of petroleum products. There is no evidence of petroleum product releases from these two tanks which are located at Building 609.

The heating oil UST located at buildings 609 was removed and replaced with a AST in accordance with state law. At the time of its removal there was no evidence of petroleum contamination. The heating oil UST located at building 606 was removed in accordance with state law. At the time of its removal there was no evidence of petroleum contamination.
A summary of the petroleum products activities is provided in Table 3 - Notification of Petroleum Products Storage, Release or Disposal (Enclosure 4).

3.4 Polychlorinated Biphenyl (PCB) Equipment

The following electrical equipment contain PCB's and are located on the property:
Building 609
Pole mounted GE transformer serial # B729841 line A pole # 90-5 contains 424 ppm PCB's.
Pole mounted GE transformer serial # 762824 line A pole # 90-5 contains 285 ppm PCB's.
Pole mounted GE transformer serial # B752255 line A pole # 90-5 contains 384 ppm PCB's.
This equipment is operational, properly labeled in accordance with federal and state regulations, and has been determined not to be leaking. The deed will include the PCB notification provision included in the Environmental Protection Provisions (Enclosure 5, page 4)

3.5 Asbestos

There is asbestos containing materials (ACM) in the following building: 359 Caulking around window frame and mullions on the east wall. The ACM does not currently pose a threat to human health or the environment because friable asbestos that posed an unacceptable risk to human health has been removed or encapsulated. The deed will include the asbestos warning and covenant in the Environmental Protection Provisions (Enclosure 5 page 3).

3.6 Lead Based Paint (LBP)

Based on the age of the buildings (constructed prior to 1978), LBP is presumed to be present in all of the buildings. The deed will include the lead-based paint warning and covenant included in the Environmental Protection Provisions (Enclosure 5 page 2).

3.7 Radiological Sources or Contamination

There is no evidence that radioactive material or sources were used or stored on the property. ***(Expected results from ongoing survey effort)***

3.8 Radon

Radon survey was conducted in building 612 on the property. The results of the survey performed on this building indicated that highest radon level was 0.6 picocuries per liter (pCi/l) which is well below the EPA Residential action level of 4.0 (pCi/l). The remaining buildings/structures are commercial or industrial building/structures and there is no EPA action level for these types of building so they were not surveyed.

3.9 Unexploded Ordnance

Based on a review of existing records and available information, none of the buildings or surrounding land proposed for transfer are known to contain unexploded ordnance.
(Expected results from ongoing survey effort)

3.10 Other Hazardous Conditions (Adjoining property)

The proposed prison parcel is boarded on the North and West sides by Army owned property. Portions of these adjoining properties have been determined to contain areas where storage, release, disposal or migration of hazardous substances or petroleum products has occurred, but required removal or remedial actions have not yet been initiated. These areas are being or are planned to be investigated. Based on actual or suspect contamination these areas do not pose a threat to the Property identified in this FOST. As the entire prison parcel will be enclosed by a security fence, these areas will not require any additional security measures. Privately owned farm land boarders this parcel to the South. New York State highway Route 96 and United States Coast Guard Property boarder it on the East and is considered to not pose a human health or environmental threat.

A summary of the Army owned adjacent property to the Prison parcel which storage, release, disposal or migration of hazardous substances or petroleum products has occurred is provided in Table 1A - Army Owned Adjacent Property - Environmental Conditions (Enclosure 2 page 2).

4. REMEDIATION

On July 14, 1989, the EPA placed Seneca Army Depot Activity on the National Priority List (NPL) for environmental restoration. SEDA has since entered into a Federal Facilities Agreement (FFA) dated January 23, 1993, with the NYSDEC and the EPA. Any parcel identified for future remediation will be restricted accordingly.

Environmental contamination on the property does not pose a significant threat to human health or the environment. Reference Completion report Dated Feb. 5, 1999.

5. REGULATORY COORDINATION

The U.S. EPA Region 2, the NYSDEC Central Office, the NYSDEC Region 8 office and the public were notified of the initiation of this FOST. Regulatory/public comments received during the FOST development were reviewed and incorporated as appropriate. All regulatory comments received from the EPA were not resolved. All regulatory comments and the Army's position on these comments are included in the FOST (Enclosure 7) ***On going***

6. NATIONAL ENVIRONMENTAL POLICY (NEPA) COMPLIANCE AND CONSISTENCY WITH LOCAL REUSE PLAN

The environmental impacts associated with proposed transfer of the property have been analyzed in accordance with the National Environmental Policy Act (NEPA). The results of this analysis have been documented in the Environmental Impact Statement for BRAC 95 Disposal and Reuse of property at the Seneca Army Depot Activity dated March 1998. The environmental effects of the activities anticipated under the proposed transfer of the property were determined not to be significant. In addition, the proposed use of the property is consistent with the intended reuse of the property set forth in the "Seneca Army Depot Reuse Plan and Implementation Strategy" prepared for Seneca County.

7. ENVIRONMENTAL PROTECTION PROVISIONS

On the basis of the above results from the site-specific EBS, and other environmental studies and in consideration of the intended use of the property, certain terms, and conditions are required for the proposed transfer. These terms and conditions are set forth in the attached Environmental Protection Provisions are at enclosure 5 and will be included in the deed. ***Depending upon findings of on going surveys***

8. FINDING OF SUITABILITY TO TRANSFER

Based on the above information, I conclude that all Department of Defense requirements to reach a finding of suitability to transfer the property to New York State Correctional Services for development as a Correctional facility have been met for the property subject to the terms and conditions set forth in the attached Environmental Protection Provision (enclosure 5). All removal or remedial actions necessary to protect human health and the environment have been taken and the property is transferable under CERCLA section 120(h)(3).

In addition to the Environmental Protection Provisions, the deed for this transaction will contain:

The covenant under CERCLA section 129(h)(3)(A)(ii)(II) warranting that any remedial action under CERCLA found to be necessary after the date of transfer with respect to such hazardous substances remaining on the property shall be conducted by the United States.

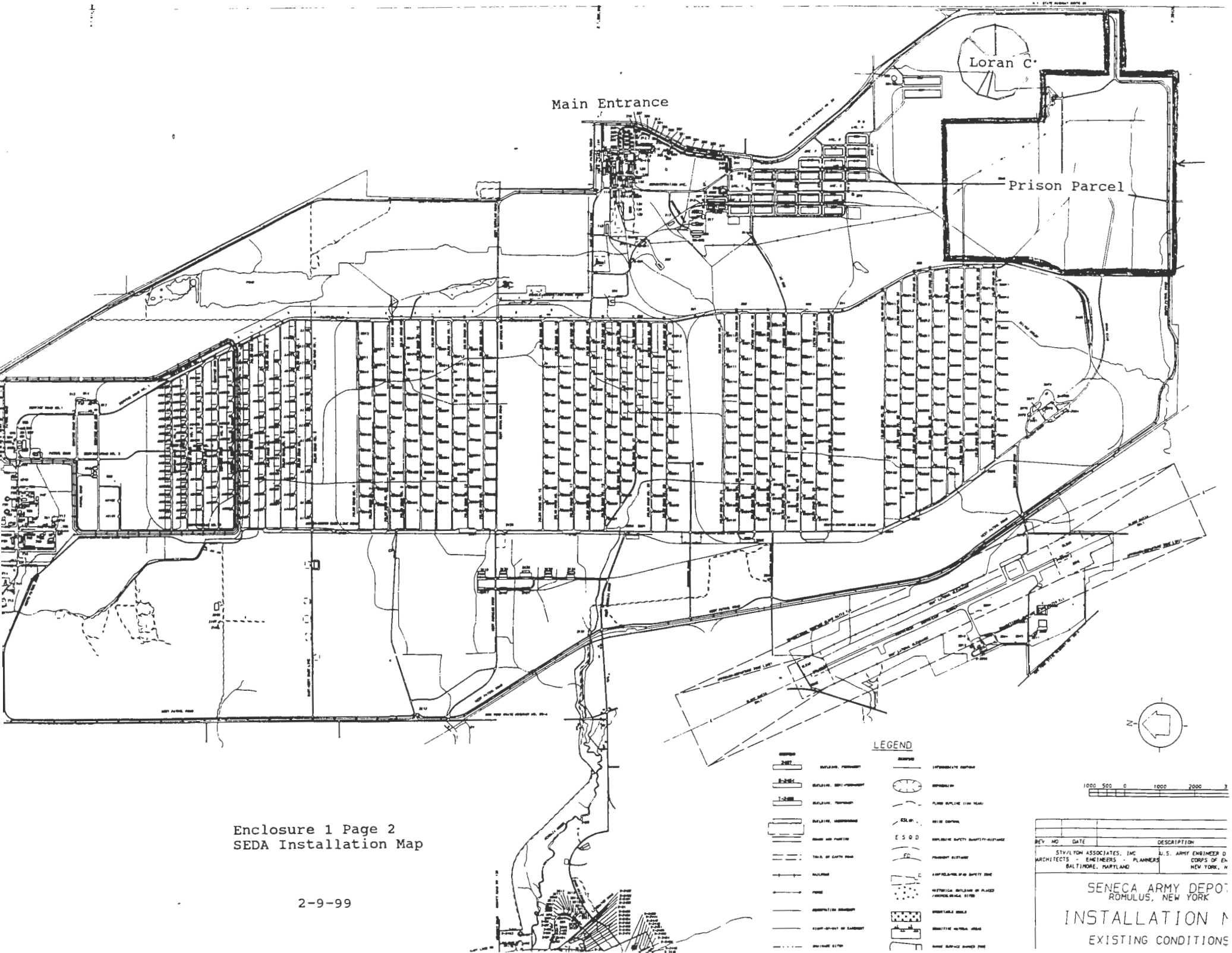
The clause as required by CERCLA section 120(h) and DOD FOST Guidance, notification of hazardous substances activities and petroleum product activities shall be provided in the deed. See Table - 2 - Notification of Hazardous Substance Storage, Release, or Disposal (enclosure 3) and Table 3 - Notification of Petroleum Product Storage, Release, or Disposal (enclosure 4).

P. S. MORRIS
Colonel, GS
Deputy Chief of Staff for Engineering, Housing,
Environment and Installation Logistics

Seven Enclosures
Encl. 1 Site Maps of Proposed Transfer Areas, List of buildings, structures and land improvements.
Encl. 2 Table 1 Description of Property and Environmental Condition
Table 1A Army Owned Adjacent Property - Environmental Condition
Encl. 3 Table 2 Notification of Hazardous Substance Storage, Release, Treatment or Disposal
Encl. 4 Table 3 Notification of Petroleum Product Storage, Release, or Disposal
Encl. 5 Environmental Protection Provisions
Encl. 6 Regulatory/Public Comments
Encl. 7 Army Response to unresolved Regulatory/Public Comments

BUILDINGS and STRUCTURES LIST				
Facility/Building #	**Type**	**Sq. Ft.**	**Use**	**Location**
359		150	Guard post	Brady Rd
603	Concrete	111 sq. yd	Concrete pad	Near bldg 606
604	Concrete	1,025	Loading platform	Near bldg 606
605	Concrete	498 sq. yd	Concrete foundation	Near bldg 606
606	Concrete	3,414	Pesticide shop/storage	South depot
608	Concrete	350	Magazine/loading	Near bldg 612
609	Concrete	692	Central Heating plant	Near bldg 612
610	Concrete	513	Vacuum collection	Near bldg 612
611	Concrete	400	Flammable Storage	Near bldg 612
612	Concrete	18,393	Ammo repack/Insp.	Brady Rd
614	Concrete	67 sq. yd	Concrete pad	Near bldg 612
	Metal	800	Covered storage with security fencing	Brady Rd
616	Concrete	Unk	Drop test tower pad	Near bldg 606

LAND IMPROVEMENT LIST			
Facility Number	**Use**	**Unit**	**Approx Quantity**
	Concrete roads	Sq. yd	1,948
	Asphalt roads	Sq. yd	27,347
	Gravel roads	Sq. yd	2,138
	6' high Chain link fence with barbed wire along top	Sq. yd	10,416
	6" Water lines, with three fire hydrants	LF	5,100
	8" Water lines, with two fire hydrants	LF	3,700
	Electrical power distribution system	Each	1
	Gravel loading/unloading areas	Sq. yd	8,900
359	500 gallon septic tank with leech field	Each	1
606	1,500 gallon septic tank with leech field	Each	1
612	1,000 gallon septic tank with leech field	Each	1



Enclosure 1 Page 2
SEDA Installation Map

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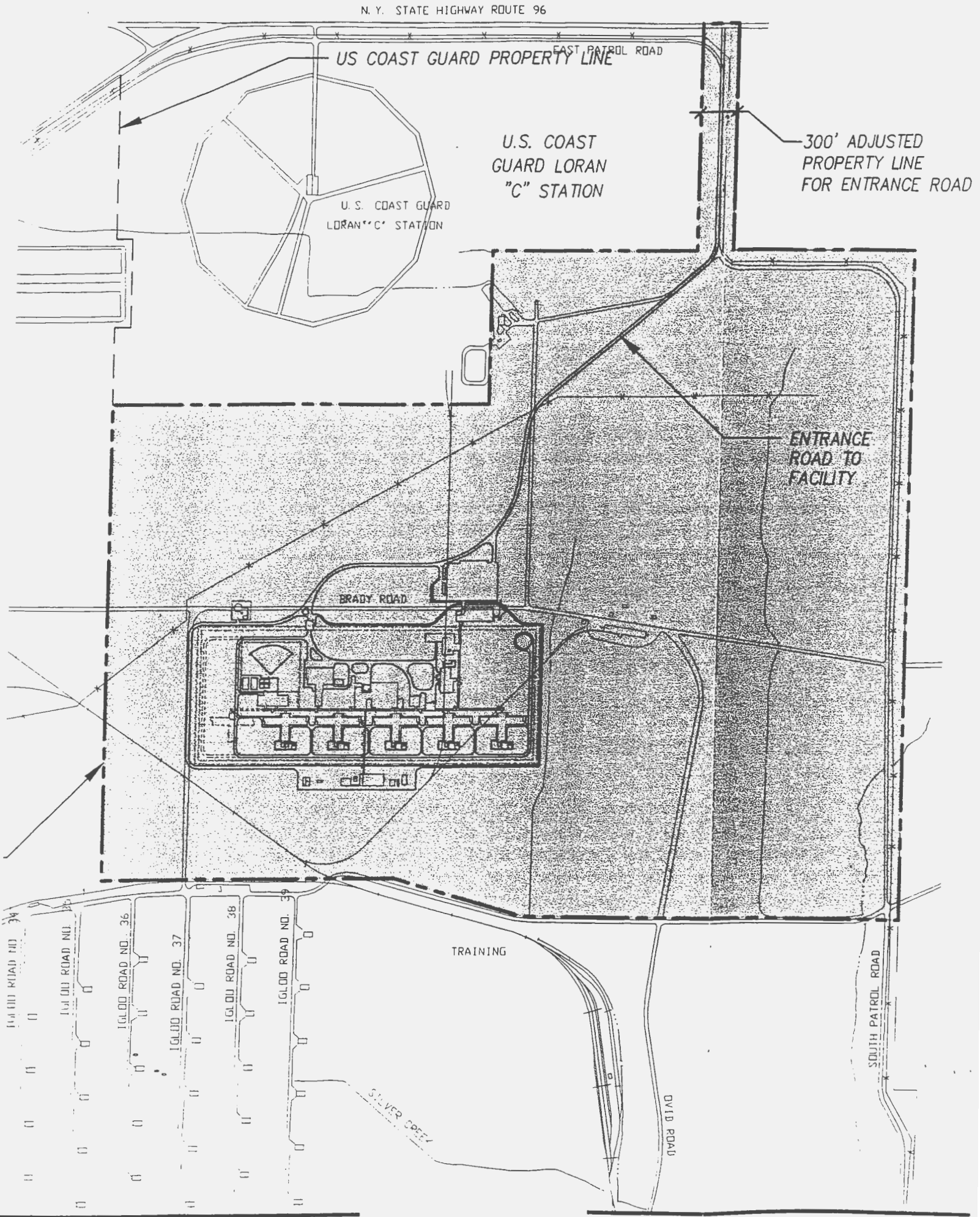
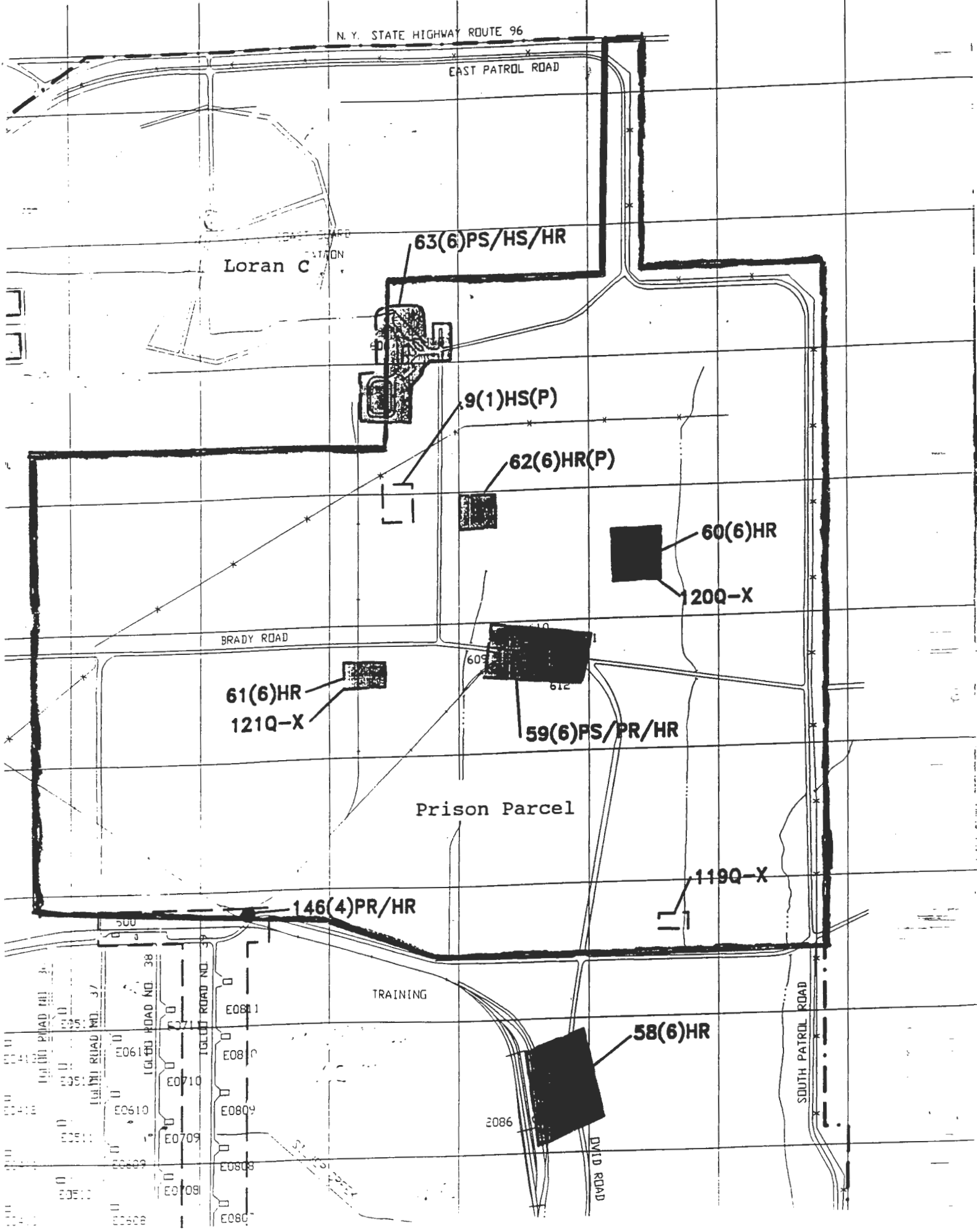
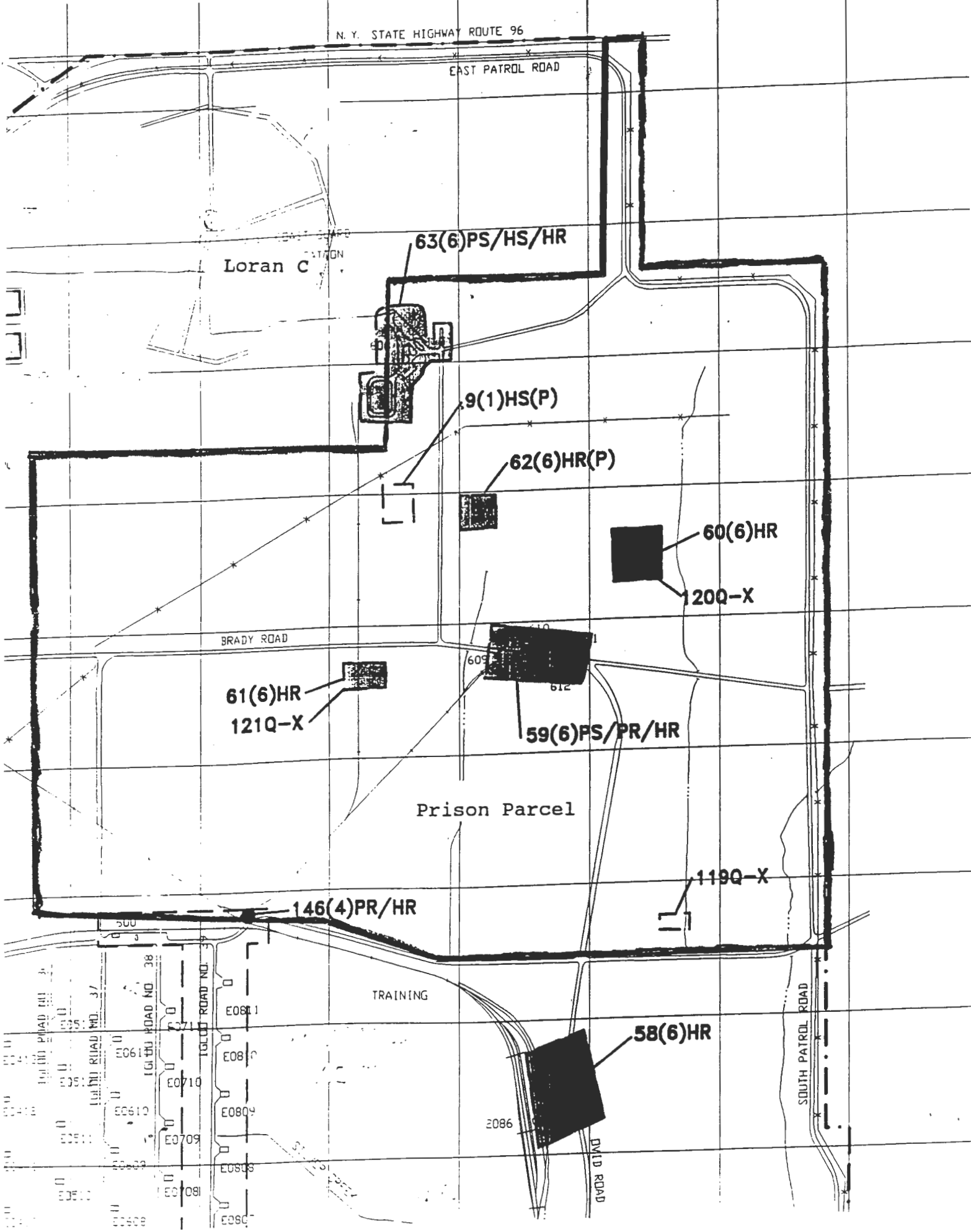

N. Y. STATE HIGHWAY ROUTE 96
US COAST GUARD PROPERTY LINE
EAST PATROL ROAD
U.S. COAST GUARD LORAN "C" STATION
U. S. COAST GUARD LORAN "C" STATION
300' ADJUSTED PROPERTY LINE FOR ENTRANCE ROAD
ENTRANCE ROAD TO FACILITY
BRADY ROAD
IGLOO ROAD NO. 34
IGLOO ROAD NO. 35
IGLOO ROAD NO. 36
IGLOO ROAD NO. 37
IGLOO ROAD NO. 38
IGLOO ROAD NO. 39
TRAINING
SILVER CREEK
OVID ROAD
SOUTH PATROL ROAD



Enclosure 1 Page 4
CERFA Map BRAC Parcel Designation, Prison Parcel and adjacent property

2-9-99



Enclosure 1 Page 4
CERFA Map BRAC Parcel Designation, Prison Parcel and adjacent property

2-9-99

Table 1 Description of Property			
Building No. and Property Description	**BRAC Parcel Number**	**Condition Category**	**Remedial Actions**
Depot Wide	3(1)	1	None required
Acid storage area	9(1)HS(P)	1	None required
Hydraulic oil spill in drainage ditch	146(4)PR/HR	4	NYSDEC spill # 95-15296. Spill was cleaned up and closed out by NYSDEC 3-11-96. No further action required.
Building 608, 612 and 609	59(6)PS/PR/ HR	3	Buildings 608 and 612 (SEAD-52) Ammunition breakdown area. No action required. ***Army awaiting of closeout document.*** Oil discharge adjacent to building 609 (SEAD-60) NYSDEC spill # 98-12961 ***contaminated soil removal awaiting weather to begin.***
Material proof and surveillance test area west of building 616	60(6)HR	3	(SEAD-44A) No action required. ***Army awaiting closeout document and UXO survey results.***
Material proof and surveillance test area on Brady Road	61(6)HR	3	(SEAD-44B) No action required. ***Army awaiting closeout document.***
Nicotine sulfate disposal area near buildings 606 and 612	62(6)HR(P)	3	(SEAD-62) No action required. ***Army awaiting closeout document.***
Building 606	63(6)PS/HS/ HR	3	Building 606 old missile propellant test laboratory (SEAD-43). No action required. ***Army awaiting close out documents and UXO survey results.*** Disposal area (SEAD-69). No action required. ***Army awaiting close out document.*** Herbicide and pesticide storage (SEAD-56). No action required. ***Army awaiting closeout document.*** UST at building 606 was removed and not replaced August 1996
Small arms range	119Q-X	3	Small arms firing range near Ovid Rd. No action required. ***Army awaiting close out documents.*** Archive Search Report recommends no further remedial action for UXO.
Material proof and surveillance functions test and nearby pits	120Q-X	3	(SEAD – 44A)No action required. ***Army awaiting UXO survey results***
Horseshoe shaped berm	121Q-X	3	(SEAD – 44B) Archive Search Report indicated that there was no evidence of this berm visible on aerial photography nor were any berms or ordnance found during the inspection of this area. No action required.

NOTE: Enclosure 1 page 4 CERFA Map BRAC Parcel Designation. Shows location of each parcel.

Table 1A Army Owned Adjacent Property			
Building No. and property description	**BRAC parcel No.**	**Condition category**	**Remedial actions.**
Igloos E0801 to E0811 and LP 600	49(5)HS/HR	5	(SEAD – 48) In 1940 11 igloos and a railroad loading area were used for pitchblende, a uranium ore, storage. After the pitchblende was removed, the igloos were used for the storage of conventional munitions until 1979. Radiological surveys were conducted in 1976 which indicated that the radiation levels were in excess of allowable concentrations that would permit unrestricted use of the 11 igloos and the surrounding area. Remediation was conducted in the 1980's, but NYSDEC and NYSDOH found contamination still existed.
8.6 acres located south of the classification yard and north of Ovid Rd.	58 (6)HR	6	(SEAD – 64B)This area was a former garbage disposal area. Results of an ESI indicate that minimal impacts to the soil, sediment, surface water and ground water have occurred. Area is pending a completion report.

NOTE: Enclosure 1 page 4 CERFA Map BRAC Parcel Designation. Shows location of each parcel.

Parcel label definitions:
PS = petroleum storage
PR = petroleum release
HS = hazardous substance storage
HR = hazardous substance release

Table 2 – Notification of Hazardous Substance Storage, Release and Disposal			
Building Number	**Name of Hazardous Substance(s)**	**Date of Storage, Release, or Disposal**	**Remedial Actions**
606	Herbicides and pesticides	Building was used as the Pest control shop from 1976 to January 31, 1996. There is no evidence of any releases or disposals inside this building.	No remedial action required.
611	Flammable paint related materials	Building was used as a flammable storage facility from 1955 to 1998. There is no evidence of any releases or disposals inside this building.	No remedial action required.
610	Propellant	Building was used as a vacuum collection point for the vacuum system in building 612 from 1955 to 1993.	Vacuum system was replaced in 1993 and not used. No remedial action required.
612	Ammo repack	Building was used as an ammunition inspection, breakdown and repack area	Building 612 is associated with SEAD – 52 which has a 5X explosive free certification. ***Pending results of on going survey.***

Table 3 – Notification of Petroleum Product Storage, Release and Disposal			
Building Number	**Name of Petroleum Product(s)**	**Date of Storage, Release, or Disposal**	**Remedial Actions**
606	#2 fuel oil	2,000 gallon UST operated between 1956 and 1996.	No known releases. Tank was removed and not replaced 8-96. No remedial action required.
609	#2 fuel oil	1,000 gallon AST operated between 1954 and 1996.	No known releases. Tank is empty and out of service. No remedial action required.
609	#2 fuel oil	3,000 gallon UST operated between 1961 and 1996. Replaced with a 3,000 gallon AST 1996	No known releases. UST was removed and replaced with a AST 8-96. No remedial action required.

Environmental Protection Provisions

The following conditions, restrictions, and notifications will be placed in any deed or transfer of the property to ensure there will be no unacceptable risk to human health or the environment and to preclude any interference with the ongoing SEDA Installation Restoration Program (IRP), and to ensure the regulatory requirement for IRP and other compliance programs administered by the Army are met.

1. The sole purpose for which the Property and any improvements thereon may be used, shall be for the construction and operation of a Maximum Security Correctional Facility. The New York State Department of Correctional Services (DOCS) shall not transfer, lease or assign this property or any part thereof or any property therein, nor grant any interest, privilege, or license whatsoever in connection with the property without the inclusion of the Environmental Protection Provisions contained herein, and shall require the inclusion of such environmental protection provisions in all further deeds, transfers, leases, or grant of any interest, privilege, or license.

2. The DOCS shall be solely responsible for obtaining at their own expense any regulatory or environmental permits required for their operations. The DOCS shall also be required to obtain their own EPA Identification Number if applicable. SEDA shall provide the necessary information for DOCS to transfer ownership and operation of the two AST's located at building 609 and to apply for a Petroleum Bulk Storage (PBS) registration with NYSDEC.

3. The DOCS shall comply with all lawful statutes, regulations, permits, or orders affecting the activity hereby authorized when such are issued by the Environmental Protection Agency: the New York State Department of Environmental Conservation: the New York State Department of Health: or any Federal, State, interstate, or local government agency having jurisdiction to abate or prevent pollution. The disposal of any toxic or hazardous materials within the property is prohibited.

4. The DOCS shall not disrupt, inflict damage, obstruct, or impede on-going environmental restoration work on the property or anywhere else on Seneca Army Depot Activity. The DOCS shall indemnify the Army for any costs incurred as a result of the DOCS breech of this provision.

5. The Army acknowledges that Seneca Army Depot Activity has been identified as a National Priority List (NPL) Site under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) of 1980, as amended. The Army will provided the DOCS with a copy of any and all subsequent modifications to the Seneca Army Depot Activity Federal Facility Agreement (FFA) entered into by the United States Environmental Protection Agency Region II, the State of New York, and the Department of the Army, effective 23 Jan 93. The DOCS agrees that, should any conflict arise between the terms of the FFA as they presently exist or may be amended, and the DOCS use of the property, the terms of the FFA will take precedence. The DOCS further agrees that notwithstanding any other provisions of the property transfer, the United States assumes no liability to the DOCS or entity to whom the property is transferred should implementation of the FFA interfere with the their use of the property. The person or entity to whom the property is transferred or any subsequent transferee, shall have no claim on account of any such interference against the United States or any officer, agent, employee or contractor thereof. ***IF NEEDED***

6. The Government, EPA, and the NYSDEC and their officers, agents, employees, contractors, subcontractors, have the right, upon reasonable notice to the DOCS, to enter the property for the purposes consistent with any provision of the FFA. ***IF NEEDED***

(a) to conduct investigations, and surveys, including, where necessary, drilling, soil and water sampling, test-pitting, testing soil borings and other activities related to SEDA 's IRP, FFA or IAG;

(b) to inspect field activities of the Government and its contractors and subcontractors in implementing the Seneca Army Depot Activity IRP, FFA or IAG;

(c) To conduct any test or survey required by the EPA or NYSDEC relating to the implementation of the FFA or environmental conditions of the property or to verify any data submitted to the EPA or the NYSDEC by the Government relating to such conditions;

(d) To construct, operate, maintain or undertake any other response, or remedial action as required or necessary under Seneca army Depot Activity IRP, FFA, or IAG including, but not limited to monitoring wells, pumping wells and treatment facilities;

7. The DOCS shall comply with the provisions of any health or safety plans in effect under the IRP or the FFA during the course of any of the above actions. Any inspections, surveys, investigation, or other response or remedial action will, to the extent practicable, be coordinated with representatives of the DOCS. The DOCS shall have no claim on account of such entries against the United States or any officer, agent, employee, contractor or subcontractor thereof. ***IF NEEDED***

8. The DOCS shall not construct or make or permit any alterations, or improvements to, or installations upon or otherwise modify or alter in any way which may adversely affect SEDA 's IRP,FFA or IAG, without prior written consent of the Army. ***IF NEEDED***

9. The Army shall not incur liability for additional response action or corrective action found to be necessary after the date of transfer in any case in which the person or entity to whom the property is transferred, or other non-Army entities, is identified as the party responsible for contamination of the property.

10. **LEAD-BASED PAINT WARNING AND COVENANT**:

(a) The DOCS and its successors and assigns, is hereby notified and does acknowledge that all buildings on the property for transfer, were constructed or rehabilitated prior to 1978, and are presumed to contain lead-based paint. Lead from paint, paint chips, and dust can pose health hazards if not managed properly. Lead exposure is especially harmful to young children and pregnant women. Such property may present exposure to lead from lead-based paint that may place young children at risk of developing lead poisoning. Lead poisoning in young children may produce permanent neurological damage, including learning disabilities, reduced intelligence quotient, behavioral problems and impaired memory.

(b) Available information concerning known lead-based paint and/or lead-based paint hazards, the location of lead-based paint and/or lead-based paint hazards, and the condition of painted surfaces is contained in the EBS, which has been provided to the DOCS. Additionally, the DOCS has been provided with a copy of the federally-approved pamphlet on lead poisoning prevention. The DOCS hereby acknowledges receipt of all the information described in this paragraph.

(c) A risk assessment or inspection by the DOCS, its successors and assigns, for possible lead-based paint hazards is recommended prior to the transfer of the Property. The DOCS, its successors and assigns, acknowledge that they have received the opportunity to conduct a risk assessment or inspection for the presence of lead-based paint and/or lead/based paint hazards prior to execution of the transfer.

(d) The DOCS, its successors and assigns, shall comply with all applicable federal, state, and local laws and regulations pertaining to lead-based paint and/or lead-based paint hazards. The DOCS shall not permit the use of any of the transferred buildings or structures on the Property for residential habitation without: (1.) inspecting for the presence of lead-based paint and/or lead-based paint hazards; (2.) abating and eliminating lead-based paint hazards as required by and in accordance with all applicable laws and regulations; and (3) complying with the notice and disclosure requirement under applicable Federal and state law. The DOCS agrees to be responsible for any future remediation of lead-based paint found to be necessary on the Property.

(e) The Army assumes no liability for remediation or damages for personal injury, illness, disability, or death, to the DOCS, its successors or assigns, sublessee or to any other person, including members of the general public, arising from or incident to possession and/or use of any portion of the Property containing lead based paint. The DOCS, its successors and assigns, further agrees to indemnify and hold harmless the Army, its officers, agents and employees, from and against all suits, claims, demands, or actions, liabilities, judgments, costs and attorney's fees arising out of, or in manner predicated upon, personal injury, death or property damage resulting from, related to, caused by or arising out of the possession and/or use of any portion of the Property containing lead based paint. The obligation of the DOCS, its successors and assigns, shall apply whenever the United States incurs costs or liabilities for actions giving rise to liability under this section.

11. NOTICE OF THE PRESENCE OF ASBESTOS AND COVENANT:

(a) The DOCS is hereby informed and does acknowledge that friable and non-friable asbestos or asbestos containing materials (ACM) has been found on the Property, as described in the base wide EBS. The ACM on the Property does not currently pose a threat to human health or the environment. All friable asbestos identified during the most recent inspection and/or reinspection, that posed a risk to human health has either been removed or repaired and encapsulated.

(b) The DOCS covenants and agrees that its use and occupancy of the Property will be in compliance with all applicable laws relating to asbestos; and that the Army assumes no liability for future remediation of asbestos or damage for personal injury, illness, disability, or death, to the DOCS, its successors or assigns, subleases, or to any other person, including members of the general public, arising from or incident to the purchase, transportation, removal, handling, use, disposition, or other activity causing or leading to contact of any kind whatsoever with asbestos on the Property, whether the DOCS, its successors or assigns have properly warned or failed to properly warn the individual(s) injured. The DOCS agrees to be responsible for any future remediation of asbestos found to be necessary on the Property.

(c) Unprotected or unregulated exposures to asbestos in product manufacturing, shipyard, building construction workplaces have been associated with asbestos-related diseases. Both the Occupational Safety and Health Administration (OSIER) and the Environmental Protection Agency (EPA) regulate asbestos because of the potential hazards associated with exposure to airborne asbestos fibers. Both OSHA and EPA have determined that such exposure increases the risk of asbestos-related diseases, which include certain cancers and which can result in disability or death.

(d) The DOCS acknowledges that it has inspected the property as to its asbestos content and condition and any hazardous or environmental conditions relating thereto. The ODCS shall be deemed to have relied solely on its own judgment in assessing the overall condition of all or any portion of the property, including, without limitation, any asbestos hazards or concerns.

(e) No warranties, either expressed or implied, are given with regard to the condition of the property, including, without limitation, whether the property does or does not contain asbestos or is or is not safe for a particular purpose. The failure of the DOCS to inspect, or to be fully informed as to the condition of all or any portion of the property offered, will not constitute grounds for any claim or demand against the United States.

12. PCB CONTAINING EQUIPMENT NOTIFICATION:

(a) The ODCS is hereby informed and does acknowledge that equipment containing PCBs are located on the property as follows:
Building 609.
Pole mounted GE transformer serial # B729841 line A pole # 90-5 contains 424 ppm PCB's.
Pole mounted GE transformer serial # 762824 line A pole # 90-5 contains 285 ppm PCB's.
Pole mounted GE transformer serial # B752255 line A pole # 90-5 contains 384 ppm PCB's.
This equipment is operational, properly labeled in accordance with applicable law and regulation. Any PCB contamination or spills related to such equipment has been properly remediated prior to this transfer of property. The PCB equipment does not currently pose a threat to human health or the environment.

(b) Upon request, the Army agrees to furnish to the DOCS any and all records in its possession related to such PCB equipment necessary for the continued compliance by the DOCS with applicable laws and regulations related to the use and storage of PCBs or PCB containing equipment.

(c) The DOCS covenants and agrees that its continued possession, use and management of any PCB containing equipment will be in compliance with all applicable laws relating to PCBs and PCB containing equipment, and that the Army assumes no liability for the future remediation of PCB contamination or damages for personal injury, illness, disability, or death to the DOCS, its successors or assigns, or to any other person, including members of the general public, arising from or incident to use, handling, management, disposition, or other activity causing or leading to contact of any kind whatsoever with PCBs or PCB containing equipment, whether the DOCS, its successors or assigns have properly warned or failed to properly warn the individual(s) injured. The DOCS agrees to be responsible for any future remediation of PCBs or PCB containing equipment found to be necessary on the Property.

BCT AGENDA
March 16-17, 1999
1330 – 1630 March 16, 1999
0830 – 1230 March 17, 1999

NCO CLUB

TUESDAY, MARCH 16

- Site Status Review
- Ash Landfill PRAP
- Archeological Reports and Update
- Landfill Consolidation
- Communication
- LTTD Sampling Plan

WEDNESDAY, MARCH 17

- Prison Parcel Review

SEAD 52, 60	612 Complex
SEAD 43, 57, 69	606 Complex
SEAD 44A	Function Test Area

PRIORITIES
FOR
ENVIRONMENTAL EFFORTS

Priority 1	**Prison Site**
Priority 2	**Housing**
Priority 3	**Airfield**
Priority 4	**Institutional**
Priority 5	**Utilities**

FY 99
ACTIVE SITES
BY LAND USE AREA

PRISON SITE - PRIORITY #1

SEAD 69 OLD MISSILE PROPELLANT DISPOOSAL AREA (63)

SEAD 62 NICOTINE SULFATE DISPOSAL AREA (62)

SEAD 44A QA TEST LAB (60)

SEAD 44B QA TEST LAB (61)

SEAD 52 AMMUNITION BREAKDOWN (59)

SEAD 60 OLD DISCHARGE B609 (59)

SEAD 43 & 56 OLD MISSILE PROPELLANT DISPOSAL SITE (63)

SEAD 64C PROPOSED LANDFILL

BRAC 119 Q SMALL ARMS RANGE

FAMILY HOUSING PRIORITY # 2

SEAD 119 EBS SITE Bldg 2409 sewage spill

BLDG 208/209 ASBESTOS ABATEMENT

AIRFIELD PRIORITY #3

SEAD 122 EBS SITE a. trap/skeet range

SEAD 122 EBS SITE b. bldg 2302 small arms range

SEAD 122 EBS SITE c. storage unit by bldg 2311

SEAD 122 EBS SITE d. hot pad fuel spill

SEAD 122 EBS SITE e. deicing planes

INSTITUTIONAL AREA - PRIORITY #4

SEAD 41 BOILER BLOWDOWN PIT BLDG 718

SEAD 123 EBS SITE a. bldg 744 small arms range

SEAD 123 EBS SITE b. bldg 716/717 petroleum release

SEAD 123 EBS SITE c. bldg 747 haz mat release

SEAD 123 EBS SITE d. area west of bldg 715

SEAD 123 EBS SITE e. rumored DDT can burial site

SEAD 123 EBS SITE f. burial site mound north of Post 3

PLANNED INDUSTRIAL DEVELOPMENT

SEAD 59 & SEAD 71 PAINT DISPOSAL AREAS

SEAD 16 ABANDONED DEACTIVATION FURNACE

SEAD 17 DEACTIVATION FURNACE

SEAD 25 FIRE DEMONSTRATION AREA

SEAD 39 BOILER BLOWDOWN PIT BLDG 121

SEAD 40 BOILER BLOWDOWN PIT BLDG 319

SEAD 5 SLUDGE PILES

SEAD 121 EBS SITE a. USCG halon discharge

SEAD 121 EBS SITE b. DRMO yard

SEAD 121 EBS SITE c. 306/308 Haz mat release

SEAD 121 EBS SITE d. BLDG 127 UST petroleum release

SEAD 121 EBS SITE e. BLDG 135 oil stained dirt

SEAD 121 EBS SITE f. rumored coal ash disposal site

SEAD 121 EBS SITE g. rumored coal storage site

SEAD 67 DUMPSITE EAST OF STP4

SEAD 66 PESTICIDE STORAGE AREA

WAREHOUSE AREA

SEAD 26 FIRE TRAINING AREA

SEAD 64A OLD CONSTRUCTION DEBRIS LANDFILL

SEAD 121 EBS SITE bldg 325 PCB oil spill

SEAD 50 TANK FARM STORAGE

SEAD 54 ASBESTOS STORAGE

CONSERVATION AREA

SEAD 23 OPEN BURNING GROUNDS

SEAD 11 OLD LANDFILL

SEAD 64D OLD CONSTRUCTION DEBRIS LANDFILL

SEAD 13 INHIBITED RED FUMING NITRIC ACID

SEAD 4 MUNITIONS WASHOUT FACILITY

SEAD 12 RADIATION SITE

SEAD 63 MISCELLANEOUS COMPONENTS BURIAL SITE

SEAD 6 ASH LANDFILL

SEAD 120 EBS SITE a. "50 AREA" dumping area

SEAD 120 EBS SITE b. Ovid road small arms range

SEAD 120 EBS SITE c. bldg 813/817 paint disposal area

SEAD 120 EBS SITE d. mp refueling point

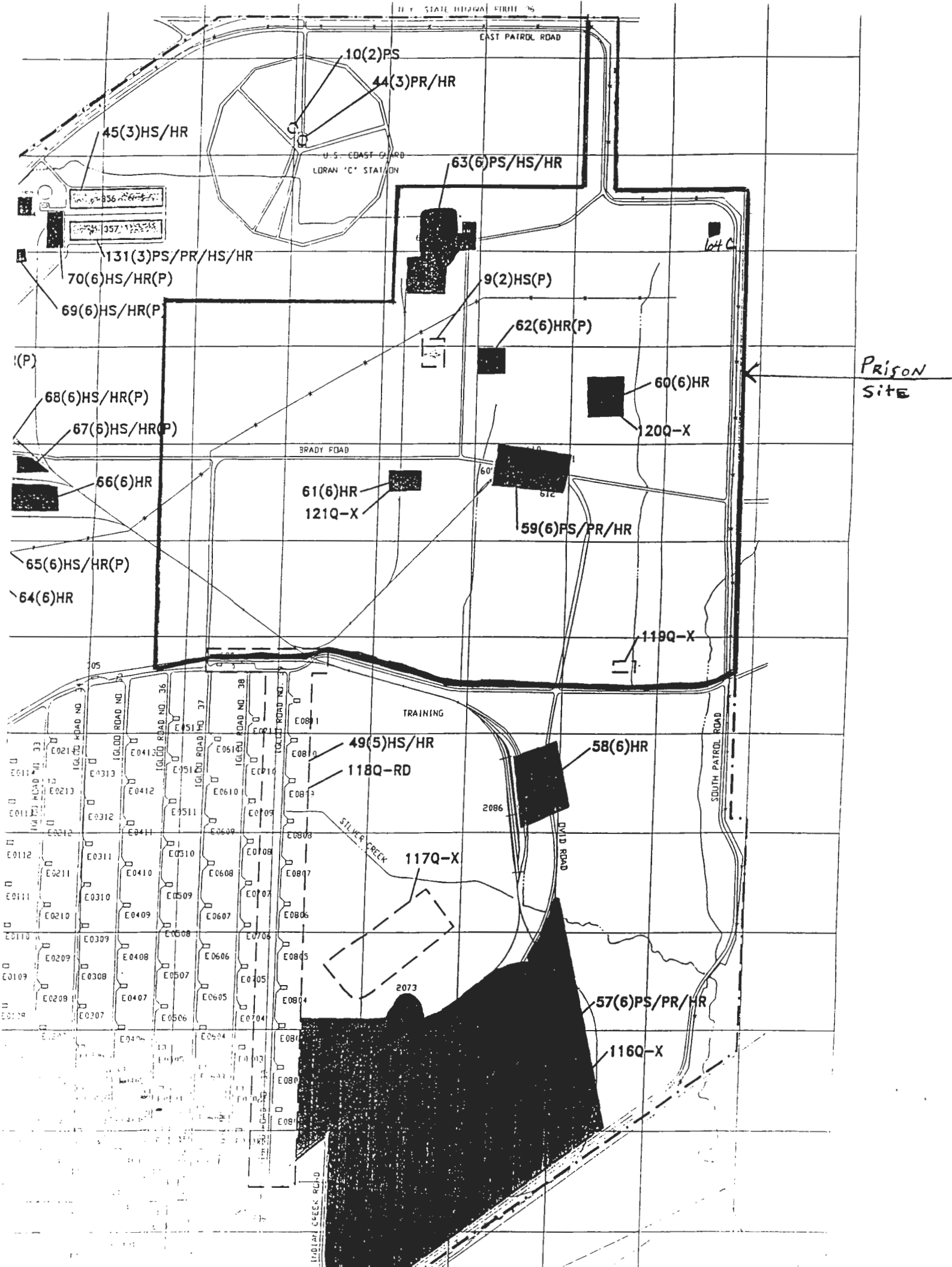
SEAD 120 EBS SITE e. bldg 2131 potential DDT disposal site

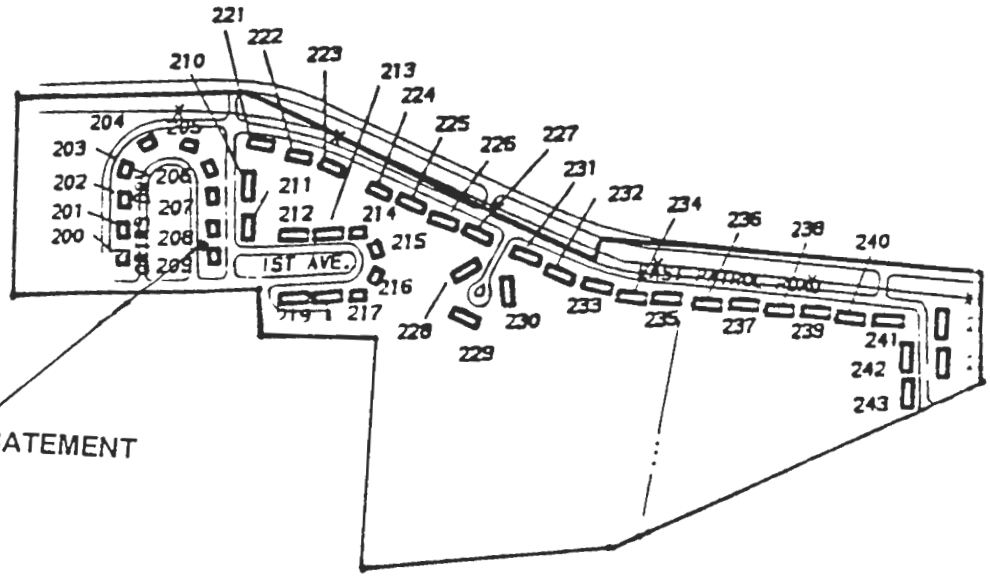
SEAD 120 EBS SITE f. munitions burial site

SEAD 120 EBS SITE g. mounds at duck pond

SEAD 120 EBS SITE h. bldg 810

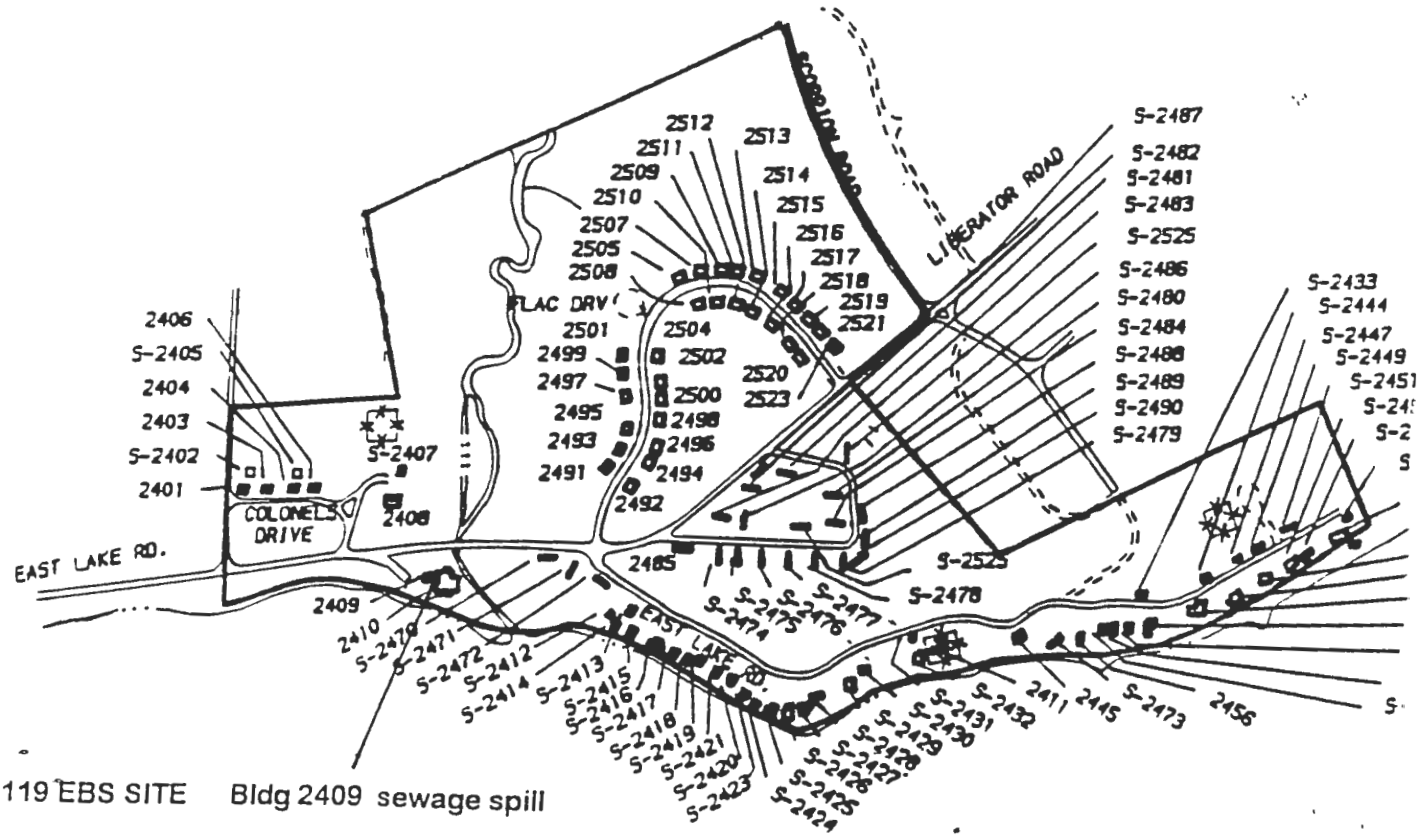
SEAD 120 EBS SITE i. bldg 819, A0101, & A0102


EAST PATROL ROAD
10(2)PS
44(3)PR/HR
45(3)HS/HR
U.S. COAST GUARD
LORAN "C" STATION
63(6)PS/HS/HR
131(3)PS/PR/HS/HR
70(6)HS/HR(P)
69(6)HS/HR(P)
9(2)HS(P)
62(6)HR(P)
PRISON SITE
60(6)HR
120Q-X
68(6)HS/HR(P)
67(6)HS/HR(P)
BRADY ROAD
66(6)HR
61(6)HR
121Q-X
59(6)PS/PR/HR
65(6)HS/HR(P)
64(6)HR
119Q-X
TRAINING
49(5)HS/HR
118Q-RD
58(6)HR
SOUTH PATROL ROAD
SILVER CREEK
117Q-X
2086
2073
57(6)PS/PR/HR
116Q-X
IGLOO ROAD NO. 33
IGLOO ROAD NO. 34
IGLOO ROAD NO. 36
IGLOO ROAD NO. 37
IGLOO ROAD NO. 38
IGLOO ROAD NO. 39
INDIAN CREEK ROAD

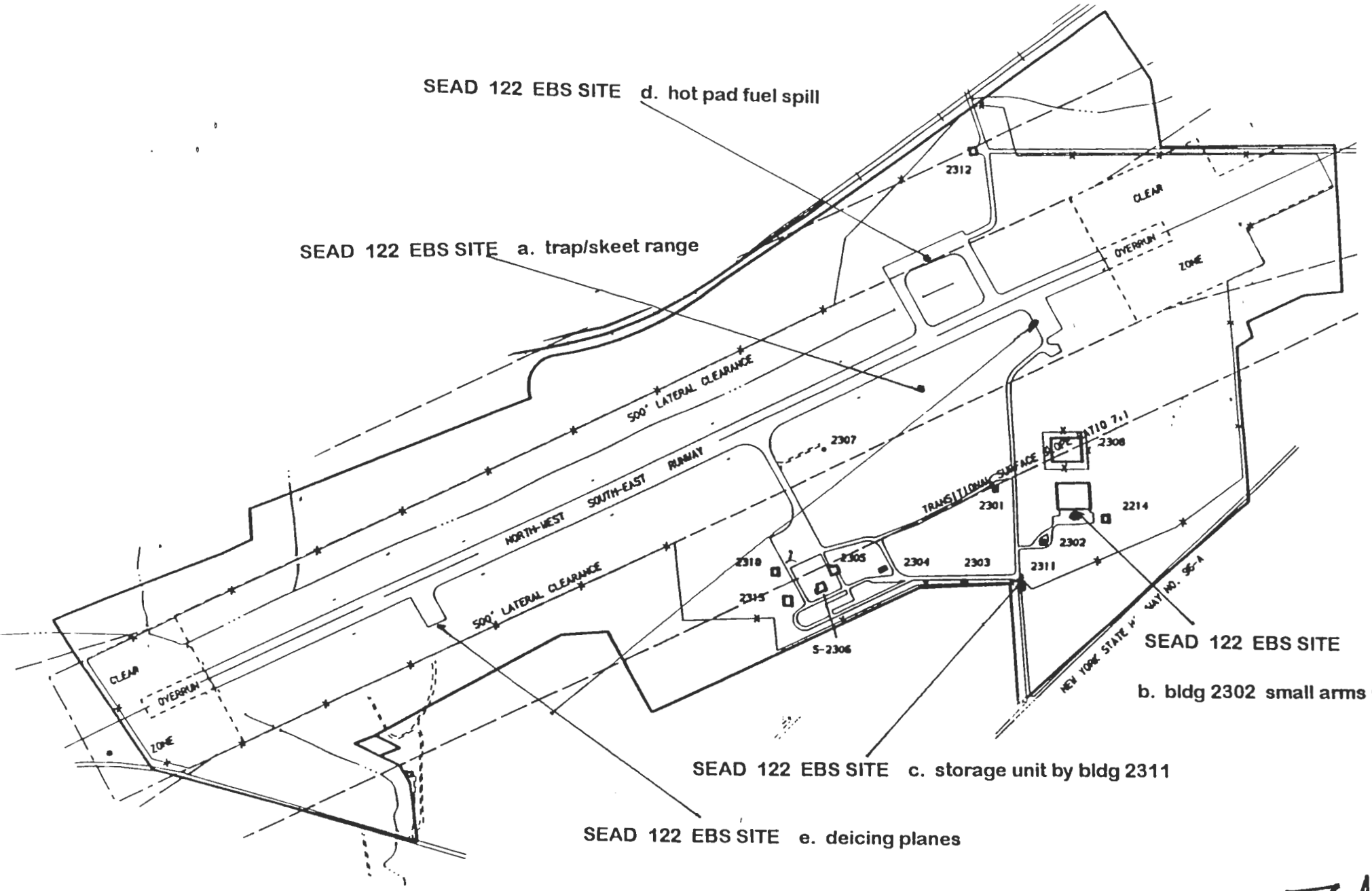


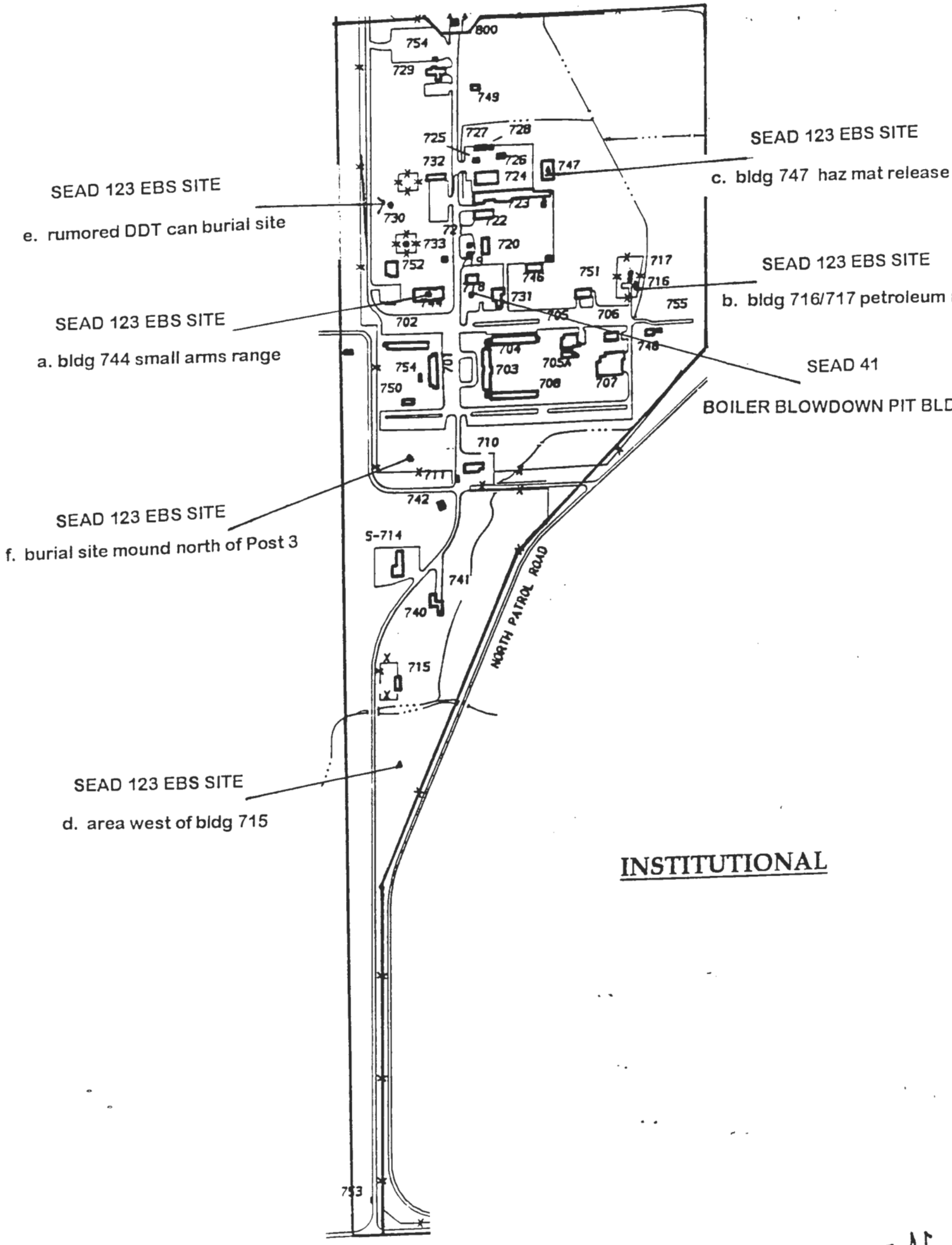
BLDG 208/209 ASBESTOS ABATEMENT

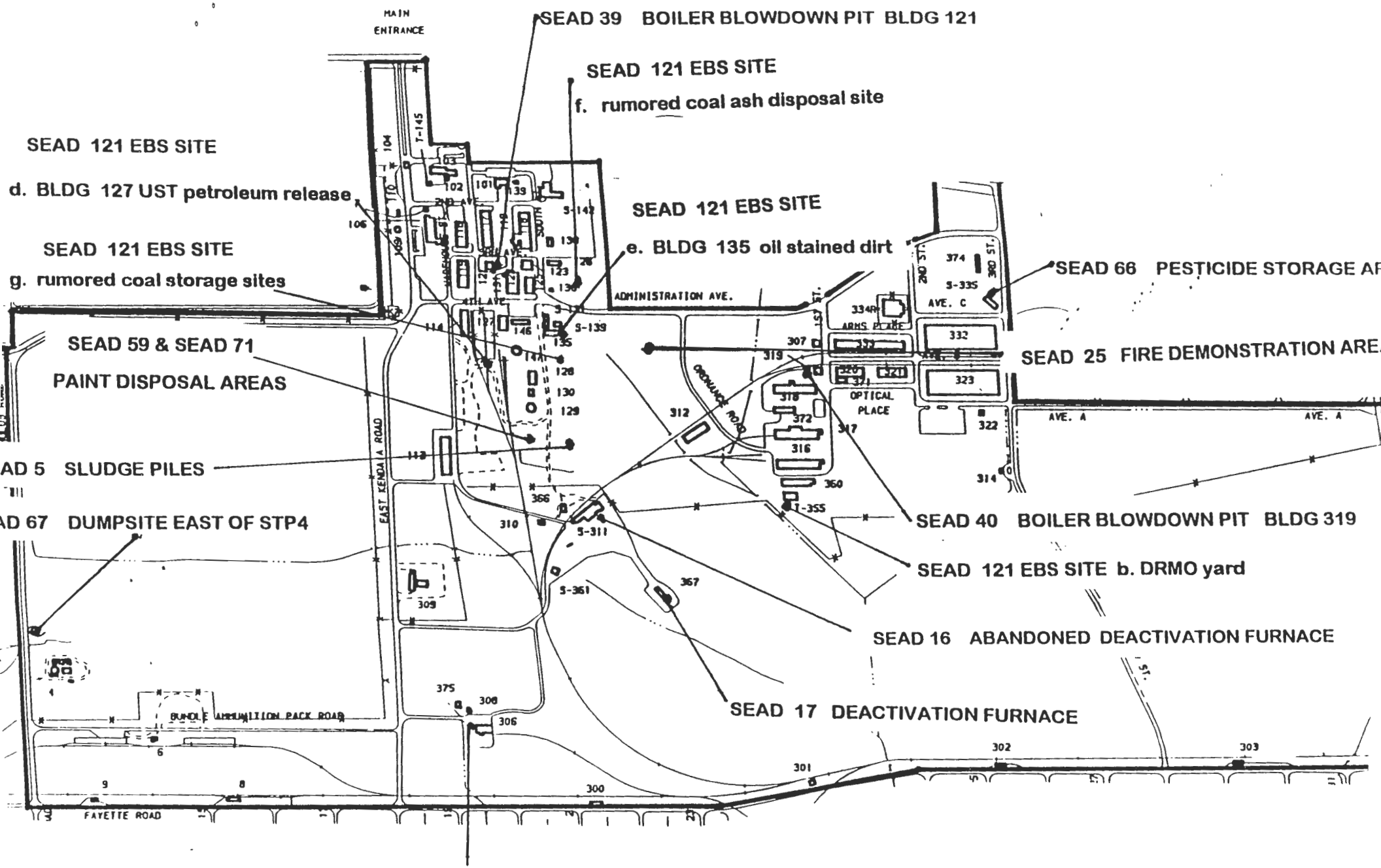
FAMILY HOUSING

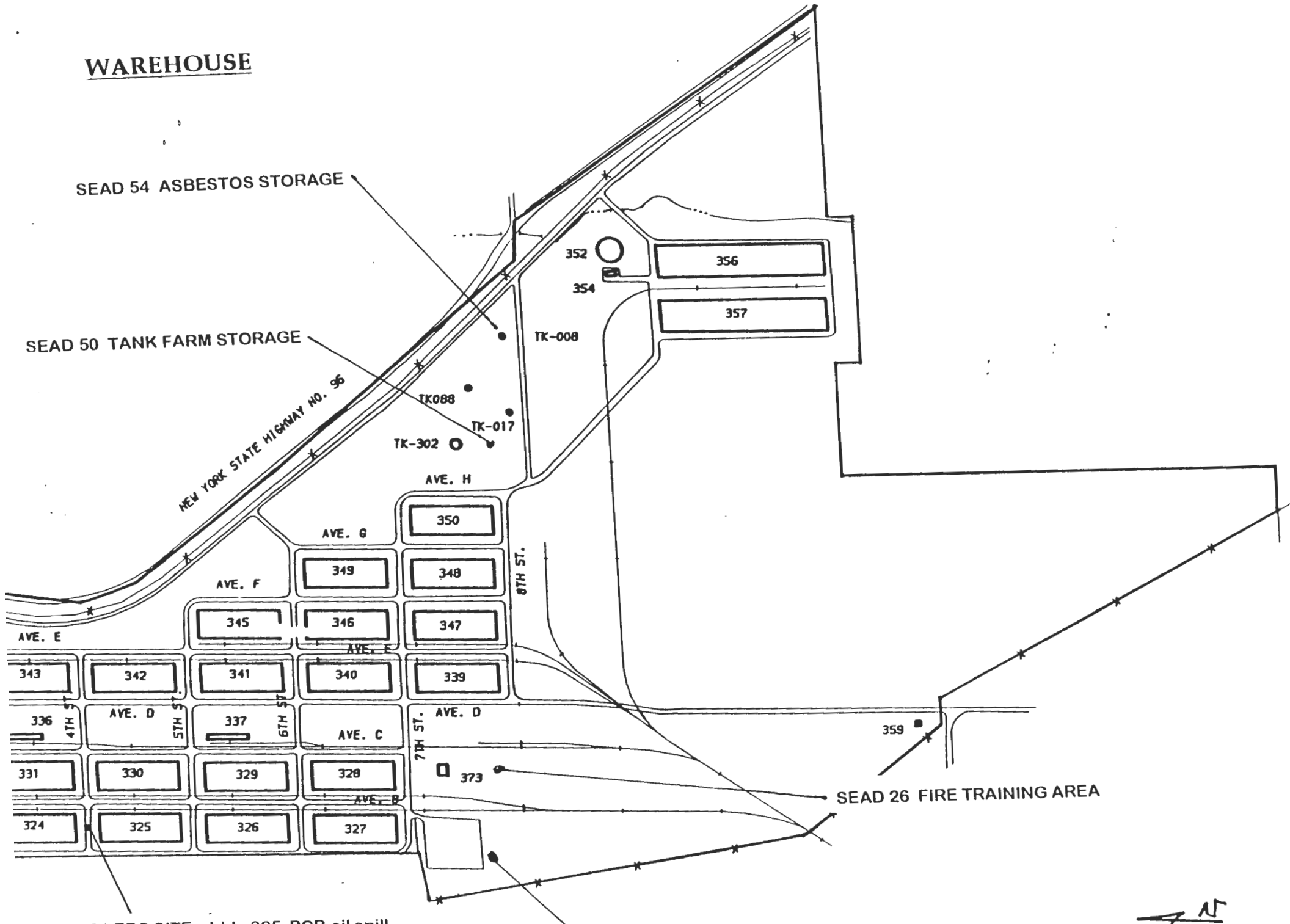


SEAD 119 EBS SITE Bldg 2409 sewage spill


SEAD 122 EBS SITE d. hot pad fuel spill
SEAD 122 EBS SITE a. trap/skeet range
2312
CLEAR
OVERRUN
ZONE
500' LATERAL CLEARANCE
NORTH-WEST SOUTH-EAST RUNWAY
2307
2308
TRANSITIONAL SURFACE
2301
2214
2302
2318
2305
2304
2303
2311
2315
S-2306
500' LATERAL CLEARANCE
CLEAR
OVERRUN
ZONE
NEW YORK STATE
SEAD 122 EBS SITE
b. bldg 2302 small arms range
SEAD 122 EBS SITE c. storage unit by bldg 2311
SEAD 122 EBS SITE e. deicing planes


SEAD 123 EBS SITE
e. rumored DDT can burial site
SEAD 123 EBS SITE
a. bldg 744 small arms range
SEAD 123 EBS SITE
f. burial site mound north of Post 3
SEAD 123 EBS SITE
d. area west of bldg 715
SEAD 123 EBS SITE
c. bldg 747 haz mat release
SEAD 123 EBS SITE
b. bldg 716/717 petroleum
SEAD 41
BOILER BLOWDOWN PIT BLD
NORTH PATROL ROAD
INSTITUTIONAL
N


MAIN ENTRANCE
SEAD 39 BOILER BLOWDOWN PIT BLDG 121
SEAD 121 EBS SITE
f. rumored coal ash disposal site
SEAD 121 EBS SITE
d. BLDG 127 UST petroleum release
SEAD 121 EBS SITE
e. BLDG 135 oil stained dirt
SEAD 121 EBS SITE
g. rumored coal storage sites
SEAD 66 PESTICIDE STORAGE AR
SEAD 59 & SEAD 71
PAINT DISPOSAL AREAS
SEAD 25 FIRE DEMONSTRATION ARE
AD 5 SLUDGE PILES
AD 67 DUMPSITE EAST OF STP4
SEAD 40 BOILER BLOWDOWN PIT BLDG 319
SEAD 121 EBS SITE b. DRMO yard
SEAD 16 ABANDONED DEACTIVATION FURNACE
SEAD 17 DEACTIVATION FURNACE
SEAD 121 EBS SITE c. 306/308 Haz mat release
ADMINISTRATION AVE.
EAST KENDALIA ROAD
ORDNANCE ROAD
OPTICAL PLACE
ARMS PLACE
AVE. A
AVE. C
BUNDLE AMMUNITION PACK ROAD
FAYETTE ROAD


WAREHOUSE
SEAD 54 ASBESTOS STORAGE
SEAD 50 TANK FARM STORAGE
NEW YORK STATE HIGHWAY NO. 96
TK-008
TK088
TK-017
TK-302
352
354
356
357
AVE. H
AVE. G
AVE. F
AVE. E
AVE. D
AVE. C
AVE. B
4TH ST.
5TH ST.
6TH ST.
7TH ST.
8TH ST.
350
349
348
345
346
347
343
342
341
340
339
336
337
331
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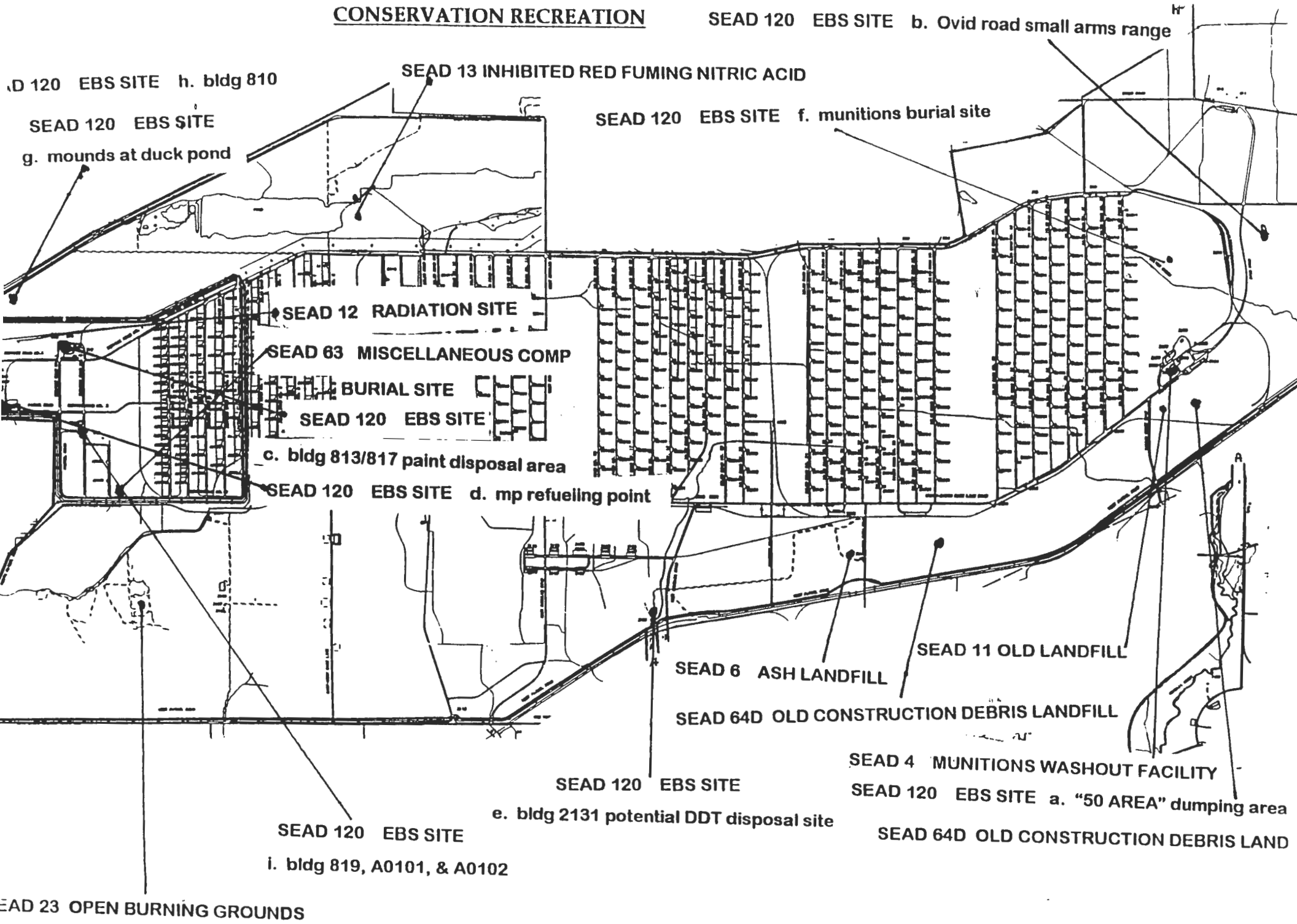
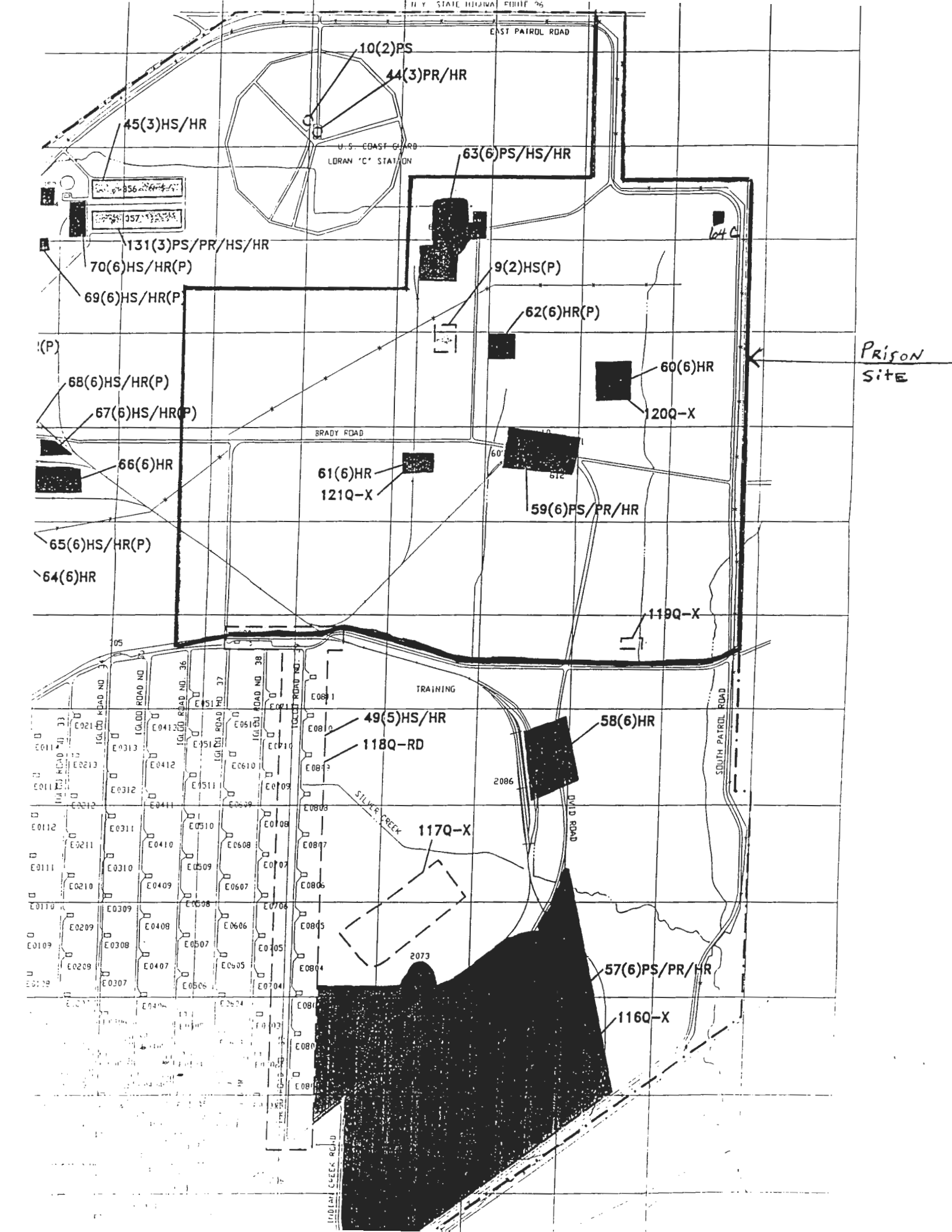
329
328
324
325
326
327
373
359
SEAD 26 FIRE TRAINING AREA
SEAD 121 EBS SITE bldg 325 PCB oil spill
SEAD 64A OLD CONSTRUCTION DEBRIS LANDFILL


CONSERVATION RECREATION
SEAD 120 EBS SITE b. Ovid road small arms range
SEAD 13 INHIBITED RED FUMING NITRIC ACID
D 120 EBS SITE h. bldg 810
SEAD 120 EBS SITE
g. mounds at duck pond
SEAD 120 EBS SITE f. munitions burial site
SEAD 12 RADIATION SITE
SEAD 63 MISCELLANEOUS COMP
BURIAL SITE
SEAD 120 EBS SITE
c. bldg 813/817 paint disposal area
SEAD 120 EBS SITE d. mp refueling point
SEAD 6 ASH LANDFILL
SEAD 11 OLD LANDFILL
SEAD 64D OLD CONSTRUCTION DEBRIS LANDFILL
SEAD 4 MUNITIONS WASHOUT FACILITY
SEAD 120 EBS SITE
e. bldg 2131 potential DDT disposal site
SEAD 120 EBS SITE a. "50 AREA" dumping area
SEAD 64D OLD CONSTRUCTION DEBRIS LAND
SEAD 120 EBS SITE
i. bldg 819, A0101, & A0102
EAD 23 OPEN BURNING GROUNDS


EAST PATROL ROAD
10(2)PS
44(3)PR/HR
45(3)HS/HR
U.S. COAST GUARD
LORAN "C" STATION
63(6)PS/HS/HR
131(3)PS/PR/HS/HR
70(6)HS/HR(P)
69(6)HS/HR(P)
9(2)HS(P)
62(6)HR(P)
PRISON SITE
60(6)HR
120Q-X
68(6)HS/HR(P)
67(6)HS/HR(P)
BRADY ROAD
66(6)HR
61(6)HR
121Q-X
59(6)PS/PR/HR
65(6)HS/HR(P)
64(6)HR
119Q-X
TRAINING
49(5)HS/HR
118Q-RD
58(6)HR
SILVER CREEK
117Q-X
SOUTH PATROL ROAD
57(6)PS/PR/HR
116Q-X
INDIAN CREEK ROAD

Seneca Army Depot Activity
Background Soil Data
General Notes on Data Tables

1) For the calculations of the mean of all of the data, the standard deviation of all of the data, and the 95th percentile of all of the data, all results qualified as non-detected (data qualified with either a U or a UJ) were considered at half value.
2) All of the minimum PRG values, except that for N-Nitrosodipropylamine, are SEDA residential PRGs. The PRG for N-Nitrosodipropylamine is a SEDA industrial PRG.
3) All values for samples with a QC code of SA-AVG. represent the average of sample and duplicate data. For sample and duplicate pairs where only one of the reported results was qualified as a valid detection, the average was calculated using the full value of the detected concentration and one half of the reported sample quantitation value for the non detected concentration. The resulting average value was qualified with the validation qualifier of the detected concentration. For all other cases, the average of the two values was taken. The actual sample and duplicate data is presented in the SA-DU AVG table.
4) Sample depth top and sample depth bottom values of -1 indicate that these data were not available at the time this table was produced.

PARAMETER	UNIT	Number of Valid Analyses	Number of Rejected Analyses	Total Number of Analyses	Number of Detections	Frequency of Detection (1)	Maximum Value (2)	Mean of Detected Values (3)	Mean of All Data (3)	Std. Dev. of All Data (3)	95th Percentile of All Data (3)	Minimum PRG	Ecological PRG	NYSDEC TAGM 4046
VOLATILE ORGANICS														
1 1 1-Trichloroethane	UG/KG	54	1	55	0	0%	0	0 0	5	1	7	2,737,500.	957,110	800
1 1 2,2-Tetrachloroethane	UG/KG	54	1	55	0	0%	0	0 0	5	1	7	31,937 5		600
1 1 2-Trichloroethane	UG/KG	54	1	55	0	0%	0	0 0	5	1	7	11,206.14		
1,1-Dichloroethane	UG/KG	54	1	55	0	0%	0	0 0	5	1	7	7,821,428 571		200
1 1-Dichloroethene	UG/KG	54	1	55	0	0%	0	0 0	5	1	7	1,064 583		400
1 2-Dichloroethane	UG/KG	54	1	55	0	0%	0	0 0	5	1	7	7,019 231		100
1,2-Dichloroethene (total)	UG/KG	54	1	55	0	0%	0	0.0	5	1	7			
1,2-Dichloropropane	UG/KG	54	1	55	0	0%	0	0 0	5	1	7	9,393,382		
Acetone	UG/KG	54	1	55	6	11%	86	36.0	9	14	22	7,821,428.571	34,270.	200.
Benzene	UG/KG	54	1	55	1	2%	1	1.0	5	1	7	22,025.862	247,370.	60.
Bromodichloromethane	UG/KG	54	1	55	0	0%	0	0.0	5	1	7	10,302.419		
Bromoform	UG/KG	54	1	55	0	0%	0	0 0	5	1	7	80,854.43		
Carbon disulfide	UG/KG	55	0	55	1	2%	2	2.0	5	1	7	7,821,428.571	53,000.	2,700.
Carbon tetrachloride	UG/KG	54	1	55	0	0%	0	0.0	5	1	7	4,913.462		600
Chlorobenzene	UG/KG	54	1	55	1	2%	1	1.0	5	1	7	1,564,285.714		1,700.
Chlorodibromomethane	UG/KG	51	1	52	0	0%	0	0.0	5	1	7	7,604.167		
Chloroethane	UG/KG	54	1	55	0	0%	0	0.0	6	1	7	31,285,714 29		1,900.
Chloroform	UG/KG	54	1	55	5	9%	4	2.5	5	1	7	104,713.115	194,610	300.
Cis-1,3-Dichloropropene	UG/KG	54	1	55	0	0%	0	0.0	5	1	7			
Ethyl benzene	UG/KG	54	1	55	0	0%	0	0 0	5	1	7	7,821,428.571	1,720,290	5,500
Methyl Tertbutyl Ether	UG/KG	2	0	2	0	0%	0	0.0	6	0	6			
Methyl bromide	UG/KG	51	1	52	0	0%	0	0 0	6	1	7	111,846.429		
Methyl butyl ketone	UG/KG	51	1	52	0	0%	0	0.0	6	1	7			
Methyl chloride	UG/KG	51	1	52	0	0%	0	0.0	6	1	7	49,134.615		
Methyl ethyl ketone	UG/KG	51	1	52	3	6%	26	23.3	7	4	14		421,380.	300.
Methyl isobutyl ketone	UG/KG	51	1	52	0	0%	0	0.0	6	1	7	6,257,142.857		1,000.
Methylene chloride	UG/KG	55	0	55	3	5%	4	2.7	5	1	7	85,166.667	132,030.	100.
Styrene	UG/KG	54	1	55	0	0%	0	0.0	5	1	7			
Tetrachloroethene	UG/KG	54	1	55	0	0%	0	0.0	5	1	7	12,283.654	6,454,550.	1,400.
Toluene	UG/KG	54	1	55	4	7%	3	2.3	5	1	7	15,642,857.14	1,552,560.	1,500.
Total Xylenes	UG/KG	54	1	55	0	0%	0	0.0	5	1	7	156,428,571.4	5,642,680.	1,200.
Trans-1,3-Dichloropropene	UG/KG	54	1	55	0	0%	0	0.0	5	1	7			
Trichloroethene	UG/KG	54	1	55	1	2%	1	1 0	5	1	7	58,068.182		700
Vinyl acetate	UG/KG	7	0	7	0	0%	0	0.0	6	0	6	78,214,285.71		
Vinyl chlonde	UG/KG	54	1	55	0	0%	0	0 0	6	1	7	336.184		200.
HERBICIDES														
2,4,5-T	UG/KG	30	0	30	0	0%	0	0 0	3	0	3			1,900.
2,4,5-TP/Silvex	UG/KG	30	0	30	0	0%	0	0.0	3	0	3			700
2,4-D	UG/KG	30	0	30	0	0%	0	0.0	29	2	32			500
2,4-DB	UG/KG	30	0	30	0	0%	0	0 0	29	2	32			
Dalapon	UG/KG	30	0	30	0	0%	0	0.0	70	4	75			
Dicamba	UG/KG	30	0	30	0	0%	0	0.0	3	0	3		22,600	
Dichloroprop	UG/KG	30	0	30	0	0%	0	0.0	29	2	32			
Dinoseb	UG/KG	30	0	30	0	0%	0	0 0	14	1	16			
MCPA	UG/KG	30	0	30	0	0%	0	0.0	2867	178	3175			
MCPP	UG/KG	30	0	30	0	0%	0	0 0	2862	181	3175		818,180	
NITROAROMATICS														
1,3,5-Trinitrobenzene	UG/KG	19	0	19	0	0%	0	0 0	63	2	65	3,910.714		
1,3-Dinitrobenzene	UG/KG	19	0	19	0	0%	0	0 0	63	2	65	7,821.429		
2,4,6-Trinitrotoluene	UG/KG	19	0	19	0	0%	0	0.0	63	2	65	21,291.667		
2,4-Dinitrotoluene	UG/KG	19	0	19	0	0%	0	0 0	63	2	65	156,428.571	5,060.	
2,6-Dinitrotoluene	UG/KG	19	0	19	0	0%	0	0.0	63	2	65	78,214.286		1,000
2-amino-4 6-Dinitrotoluene	UG/KG	19	0	19	0	0%	0	0 0	63	2	65			
4-amino-2,6-Dinitrotoluene	UG/KG	19	0	19	0	0%	0	0.0	63	2	65			
HMX	UG/KG	19	0	19	1	5%	67.5	67.5	64	3	65			
RDX	UG/KG	19	0	19	0	0%	0	0.0	63	2	65			
Tetryl	UG/KG	19	0	19	0	0%	0	0 0	142	206	517			
SEMIVOLATILE ORGANICS														
1 2,4-Trichlorobenzene	UG/KG	53	2	55	0	0%	0	0 0	220	65	366	782,142.857	1,132,060.	3,400
1,2-Dichlorobenzene	UG/KG	53	2	55	0	0%	0	0 0	220	65	366	7,039,285.714		7,900
1,3-Dichlorobenzene	UG/KG	53	2	55	0	0%	0	0 0	220	65	366	6,961,071.429		1,600
1,4-Dichlorobenzene	UG/KG	53	2	55	0	0%	0	0 0	220	65	366	26,614.583		8,500.
2,2'-oxybis(1-Chloropropane)	UG/KG	44	2	46	0	0%	0	0 0	199	33	258			
2,4,5-Trichlorophenol	UG/KG	53	2	55	0	0%	0	0 0	664	467	1759	7,821,428.571		100
2,4,6-Trichlorophenol	UG/KG	53	2	55	0	0%	0	0 0	220	65	366	58,068.182		
2,4-Dichlorophenol	UG/KG	53	2	55	0	0%	0	0 0	220	65	366	234,642.857		400
2,4-Dimethylphenol	UG/KG	53	2	55	0	0%	0	0 0	220	65	366	1,564,285.714		
2,4-Dinitrophenol	UG/KG	53	2	55	0	0%	0	0 0	664	467	1759	156,428.571		200
2,4-Dinitrotoluene	UG/KG	53	2	55	0	0%	0	0 0	220	65	366	156,428.571	5,060	
2,6-Dinitrotoluene	UG/KG	53	2	55	0	0%	0	0 0	220	65	366	78,214.286		1,000
2-Chloronaphthalene	UG/KG	53	2	55	0	0%	0	0 0	220	65	366			
2-Chlorophenol	UG/KG	53	2	55	0	0%	0	0 0	220	65	366	391,071.429	83,200	800
2-Methylnaphthalene	UG/KG	53	2	55	0	0%	0	0 0	220	65	366		962,620.	36,400
2-Methylphenol	UG/KG	53	2	55	0	0%	0	0 0	220	65	366	3,910,714.286		100
2-Nitroaniline	UG/KG	53	2	55	0	0%	0	0 0	664	467	1759	4,692.857		430
2-Nitrophenol	UG/KG	53	2	55	0	0%	0	0 0	220	65	366			330
3,3'-Dichlorobenzidine	UG/KG	50	2	52	0	0%	0	0 0	276	200	750	1,419.444		
3-Nitroaniline	UG/KG	53	2	55	0	0%	0	0 0	664	467	1759	234,642.857		500
4,6-Dinitro-2-methylphenol	UG/KG	53	2	55	0	0%	0	0 0	664	467	1759			
4-Bromophenyl phenyl ether	UG/KG	53	2	55	0	0%	0	0 0	220	65	366	4,536,428.571		
4-Chloro-3-methylphenol	UG/KG	53	2	55	0	0%	0	0 0	220	65	366			240
4-Chloroaniline	UG/KG	53	2	55	0	0%	0	0 0	220	65	366	312,857.143		220
4-Chlorophenyl phenyl ether	UG/KG	53	2	55	0	0%	0	0 0	220	65	366			
4-Methylphenol	UG/KG	53	2	55	0	0%	0	0 0	220	65	366			900
4-Nitroaniline	UG/KG	53	2	55	0	0%	0	0 0	664	467	1759	234,642.857		
4-Nitrophenol	UG/KG	53	2	55	0	0%	0	0 0	664	467	1759	4,692,857.143	18,680.	100
Acenaphthene	UG/KG	53	2	55	0	0%	0	0 0	220	65	366		2,268,070.	50,000.
Acenaphthylene	UG/KG	53	2	55	1	2%	32	32 0	217	69	366		33,460.	41,000

Notes
(1) Number detected / number of valid analyses.
(2) Maximum of the detected values only.
(3) Excludes all rejected data (data qualified with an R).

PARAMETER	UNIT	Number of Valid Analyses	Number of Rejected Analyses	Total Number of Analyses	Number of Detections	Frequency of Detection (1)	Maximum Value (2)	Mean of Detected Values (3)	Mean of All Data (3)	Std. Dev. of All Data (3)	95th Percentile of All Data (3)	Minimum PRG	Ecological PRG	NYSDEC TAGM 4046
Anthracene	UG/KG	53	2	55	2	4%	42	36 5	214	73	366	23,464,285.71	1,269,040	50,000
Benzo[a]anthracene	UG/KG	53	2	55	7	13%	230	69 4	202	85	366	875.	1,476,040	224
Benzo[a]pyrene	UG/KG	53	2	55	7	13%	250	68 3	202	86	366	87.5	562,720	61
Benzo[b]fluoranthene	UG/KG	53	2	55	7	13%	240	65 1	201	87	366	875.	59,750.	1,100
Benzo[ghi]perylene	UG/KG	53	2	55	3	6%	200	140 0	218	67	366		76,250.	50,000
Benzo[k]fluoranthene	UG/KG	50	2	52	7	14%	260	71 4	202	88	366	8,750	72,640.	1,100
Benzoic Acid	UG/KG	7	0	7	0	0%	0	0 0	1766	74	1883	312,857,142.9		2,700
Benzyl alcohol	UG/KG	7	0	7	0	0%	0	0 0	365	14	387			
Bis(2-Chloroethoxy)methane	UG/KG	53	2	55	0	0%	0	0 0	220	65	366			
Bis(2-Chloroethyl)ether	UG/KG	53	2	55	0	0%	0	0 0	220	65	366	580.682		
Bis(2-Chloroisopropyl)ether	UG/KG	9	0	9	0	0%	0	0 0	310	90	386	9,125.		
Bis(2-Ethylhexyl)phthalate	UG/KG	53	2	55	17	32%	750	267 8	247	135	456	45,625.	39 350.	50,000.
Butylbenzylphthalate	UG/KG	53	2	55	0	0%	0	0 0	220	65	366	15 642,857 14		50,000.
Carbazole	UG/KG	46	2	48	2	4%	37	31 5	187	40	244	31,937 5		
Chrysene	UG/KG	53	2	55	7	13%	350	88 6	204	87	366	87,500	93,300.	400
Di-n-butylphthalate	UG/KG	53	2	55	9	17%	290	77 9	200	90	366		94,697,730.	8,100.
Di-n-octylphthalate	UG/KG	53	2	55	3	6%	430	250 0	223	72	372	1,564,285.714		50,000.
Dibenz[a,h]anthracene	UG/KG	53	2	55	1	2%	72	72 0	218	67	366	87.5	53,680.	14
Dibenzofuran	UG/KG	53	2	55	0	0%	0	0 0	220	65	366	312,857.143		6,200.
Diethyl phthalate	UG/KG	53	2	55	0	0%	0	0 0	220	65	366	62,571,428.57	7,665,910.	7,100.
Dimethylphthalate	UG/KG	53	2	55	0	0%	0	0 0	220	65	366	782,142,857 1		2,000.
Fluoranthene	UG/KG	53	2	55	10	19%	570	115 3	202	103	372	3,128,571.429	7,849,900.	50,000
Fluorene	UG/KG	53	2	55	1	2%	28	28 0	217	69	366	3,128,571.429	1,755,510	50,000
Hexachlorobenzene	UG/KG	53	2	55	0	0%	0	0 0	220	65	366	399.219		410
Hexachlorobutadiene	UG/KG	53	2	55	0	0%	0	0 0	220	65	366	8,189.103		
Hexachlorocyclopentadiene	UG/KG	53	2	55	0	0%	0	0 0	220	65	366	547,500.		
Hexachloroethane	UG/KG	53	2	55	0	0%	0	0 0	220	65	366	45,625.		
Indeno[1,2,3-cd]pyrene	UG/KG	53	2	55	4	8%	170	65 5	211	78	366	875.	47,630.	3,200.
Isophorone	UG/KG	53	2	55	0	0%	0	0 0	220	65	366			4,400.
N-Nitrosodiphenylamine	UG/KG	53	2	55	0	0%	0	0 0	220	65	366	130,357.143		
N-Nitrosodipropylamine	UG/KG	53	2	55	0	0%	0	0 0	220	65	366	817.6	1,454,550.	
Naphthalene	UG/KG	53	2	55	0	0%	0	0 0	220	65	366	3,128,571.429	149,740.	13,000
Nitrobenzene	UG/KG	53	2	55	0	0%	0	0 0	220	65	366	39,107.143		200.
Pentachlorophenol	UG/KG	53	2	55	0	0%	0	0 0	664	467	1759	5,322.917	1,415,560.	1,000.
Phenanthrene	UG/KG	53	2	55	7	13%	370	90 9	205	88	368		325,820.	50,000
Phenol	UG/KG	53	2	55	0	0%	0	0 0	220	65	366	46,928,571.43	79,520.	30
Pyrene	UG/KG	53	2	55	10	19%	560	112 1	202	101	372	2,346,428.571	2,420,460.	50,000.
PESTICIDES/PCBs														
4,4`-DDD	UG/KG	52	0	52	0	0%	0	0 0	4	6	18	2,661.458	874,990.	2,900
4.4`-DDE	UG/KG	52	0	52	2	4%	3	2 6	4	6	18	1,878 676	86,590.	2,100
4.4`-DDT	UG/KG	52	0	52	2	4%	4 3	3 9	5	6	18	1,878.676	8,870.	2,100
Aldrin	UG/KG	55	0	55	2	4%	1 6	1 6	3	3	9	37.574	2,750.	41
Alpha-BHC	UG/KG	55	0	55	0	0%	0	0 0	2	3	9			110
Alpha-Chlordane	UG/KG	55	0	55	1	2%	1 3	1 3	13	31	90		142,090.	
Aroclor-1016	UG/KG	55	0	55	0	0%	0	0 0	29	24	90	5,475.		
Aroclor-1221	UG/KG	55	0	55	0	0%	0	0 0	46	18	90			
Aroclor-1232	UG/KG	55	0	55	1	2%	36	36 0	30	24	90			
Aroclor-1242	UG/KG	55	0	55	0	0%	0	0 0	40	93	90		12,879,550.	
Aroclor-1248	UG/KG	55	0	55	0	0%	0	0 0	29	24	90			
Aroclor-1254	UG/KG	55	0	55	1	2%	61	61 0	43	56	176	1,564.286	3,925,000	10,000
Aroclor-1260	UG/KG	55	0	55	0	0%	0	0 0	42	56	176		2,272,730.	10,000
Beta-BHC	UG/KG	55	0	55	0	0%	0	0 0	2	3	9		11,060.	200
Delta-BHC	UG/KG	55	0	55	0	0%	0	0 0	2	3	9			300
Dieldrin	UG/KG	55	0	55	0	0%	0	0 0	5	6	18	39.922		44
Endosulfan I	UG/KG	55	0	55	1	2%	4	4 0	2	3	9	469,285.714	131,820.	900.
Endosulfan II	UG/KG	55	0	55	0	0%	0	0 0	4	6	18	469,285.714		900
Endosulfan sulfate	UG/KG	55	0	55	0	0%	0	0 0	4	6	18		15,820.	1,000
Endrin aldehyde	UG/KG	48	0	48	0	0%	0	0 0	2	0	2	23,464.286	6,350.	
Endrin ketone	UG/KG	55	0	55	0	0%	0	0 0	4	6	18	23,464.286	6,350.	
Endrin	UG/KG	55	0	55	0	0%	0	0 0	5	6	19	23,464 286	240,910.	100
Gamma-BHC/Lindane	UG/KG	55	0	55	0	0%	0	0 0	3	3	9	491.346		60
Gamma-Chlordane	UG/KG	55	0	55	0	0%	0	0 0	13	31	90		47,360.	540
Heptachlor epoxide	UG/KG	55	0	55	3	5%	5 5	2 8	2	3	9	70.192	10.	20
Heptachlor	UG/KG	55	0	55	0	0%	0	0 0	3	3	9	141.944	28,620.	100
Methoxychlor	UG/KG	55	0	55	0	0%	0	0 0	21	28	90	391,071.429		
Toxaphene	UG/KG	55	0	55	0	0%	0	0 0	111	29	176			
METALS														
Aluminum	UG/KG	55	0	55	55	100%	19800000	13096000 0	13088929	4080767	19200000	78 214,285.71		19,520,000
Antimony	UG/KG	55	0	55	11	20%	6800	2701 8	2625	2147	5900	31,285.714	18,437,230.	6,000
Arsenic	UG/KG	52	3	55	51	98%	21500	5258 8	5199	2726	8240	425 833	223,670	8,900
Barium	UG/KG	55	0	55	55	100%	159000	78000 0	77611	26458	117750	5,475,000.	91,840.	300,000
Beryllium	UG/KG	55	0	55	55	100%	1400	653 8	656	236	1100	148 547	6,570	1,130
Cadmium	UG/KG	55	0	55	21	38%	2650	1001 4	527	690	2300	39,107 143	737,770	2,460
Calcium	UG/KG	55	0	55	55	100%	293000000	47665181 8	48347946	49899130	120500000			125 300,000
Chromium	UG/KG	55	0	55	55	100%	32700	20055 5	20051	5792	29325	78,214.285.71	850,430	30,000
Cobalt	UG/KG	55	0	55	55	100%	29100	11362 7	11413	4387	19050	4,692,857.143		30,000
Copper	UG/KG	55	0	55	55	100%	62800	23781 8	20700	7593	29588	3,128,571.429	827,810	33 000
Cyanide	UG/KG	53	0	53	0	0%	0	0 0	285	36	350		13,636.360	350.
Iron	UG/KG	55	0	55	55	100%	38600000	24533090 9	24584286	6828773	35550000	23,464,285.71		37,410,000
Lead	UG/KG	52	3	55	52	100%	45500	12927 5	12776	6628	21480		181,460.	24,400
Magnesium	UG/KG	55	0	55	55	100%	29100000	10629636 4	10559821	6428652	21500000			21,700,000
Manganese	UG/KG	52	3	55	52	100%	2380000	596278 8	596613	334225	1056000	1,798,928.571	8,821,860.	1 100,000
Mercury	UG/KG	51	4	55	39	76%	130	44 7	37	28	95	23,464.286	1,710.	100
Nickel	UG/KG	54	1	55	54	100%	62300	31036 1	31025	10467	48880	1,564,285.714	2,833,820.	50,000
Potassium	UG/KG	55	0	55	55	100%	3160000	1505500 0	1504152	470904	2342500			2,623,000
Selenium	UG/KG	55	0	55	23	42%	1700	680 7	366	364	993	391,071.429	193,140	2.000
Silver	UG/KG	55	0	55	3	5%	870	598 3	362	253	763	391,071.429		800
Sodium	UG/KG	55	0	55	46	84%	269000	102733 7	89023	52054	170250			188,000
Thallium	UG/KG	55	0	55	9	16%	1200	613 3	251	225	668	6,257.143		855
Vanadium	UG/KG	55	0	55	55	100%	32700	21129 1	21032	6391	31900	547,500.		150,000

Notes
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PARAMETER	UNIT	Number of Valid Analyses	Number of Rejected Analyses	Total Number of Analyses	Number of Detections	Frequency of Detection (1)	Maximum Value (2)	Mean of Detected Values (3)	Mean of All Data (3)	Std. Dev. of All Data (3)	95th Percentile of All Data (3)	Minimum PRG	Ecological PRG	NYSDEC TAGM 4046
Zinc	UG/KG	51	4	55	51	100%	126000	71027.5	71104	20253	108950	23,464,285.71		115 000
OTHER ANALYSES														
Fluoride	UG/KG	6	0	6	6	100%	99000	68666.7	68667	17818	93750	4,692,857.143		
Nitrate/Nitrite	UG/KG	19	0	19	18	95%	900	274.7	261	263	720			
Total Petroleum Hydrocarbon	UG/KG	10	0	10	8	80%	112000	65125.0	55275	32468	106150			

Notes
(1) Number detected / number of valid analyses.
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				STUDY ID	RI Phase 1 Step 1	RI Phase 1 Step 1	RI Phase 1 Step 1	RI Phase 1 Step 1	RI Phase 1 Step 1
				SITE	Ash Landfill	Ash Landfill	Ash Landfill	Ash Landfill	Ash Landfill
				LOC ID	B-8-91	B-8-91	B-8-91	B-9-91	B-9-91
				LOC TYPE	BACKGROUND	BACKGROUND	BACKGROUND	BACKGROUND	BACKGROUND
				SAMP_ID	S1105-27SOIL1	S1105-24SOIL1	S1105-25SOIL1	S1105-30SOIL1	S1105-28SOIL1
				QC CODE	SA	SA	SA-AVG	SA	SA
				SAMP. DETH TOP	-1	0	2	-1	0
				SAMP. DEPTH BOT	-1	2	4	-1	2
				MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL
				SAMP. DATE	05-Nov-91	05-Nov-91	05-Nov-91	05-Nov-91	05-Nov-91
PARAMETER	UNIT	Minimum PRG Value	Ecological PRG	NYSDEC TAGM 4046	VALUE Q	VALUE Q	VALUE Q	VALUE Q	VALUE Q
VOLATILE ORGANICS									
1,1,1-Trichloroethane	UG/KG	2,737,500.	957,110.	800	5 U	6 U	5.5 U	5 U	6 U
1,1,2,2-Tetrachloroethane	UG/KG	31,937.5		600	5. U	6 U	5.5 U	5 U	6 U
1,1,2-Trichloroethane	UG/KG	11,206.14			5 U	6 U	5.5 U	5 U	6 U
1,1-Dichloroethane	UG/KG	7,821,428.571		200	5 U	6. U	5.5 U	5 U	6 U
1,1-Dichloroethene	UG/KG	1,064.583		400	5 U	6. U	5.5 U	5 U	6 U
1,2-Dichloroethane	UG/KG	7,019.231		100	5 U	6 U	5.5 U	5 U	6 U
1,2-Dichloroethene (total)	UG/KG				5. U	6. U	5.5 U	5 U	6 U
1,2-Dichloropropane	UG/KG	9,393.382			5. U	6 U	5.5 U	5 U	6 U
Acetone	UG/KG	7,821,428.571	34,270.	200	11 U	13 U	11 U	11 U	11 U
Benzene	UG/KG	22,025.862	247,370.	60	5. U	6 U	5.5 U	5 U	6 U
Bromodichloromethane	UG/KG	10,302.419			5 U	6 U	5.5 U	5 U	6 U
Bromoform	UG/KG	80,854.43			5 U	6 U	5.5 U	5 U	6 U
Carbon disulfide	UG/KG	7,821,428.571	53,000.	2,700	5. U	6 U	5.5 U	5 U	6 U
Carbon tetrachlonde	UG/KG	4,913.462		600	5 U	6 U	5.5 U	5 U	6 U
Chlorobenzene	UG/KG	1,564,285.714		1,700	5 U	6 U	5.5 U	5 U	6 U
Chlorodibromomethane	UG/KG	7,604.167			5. U	6 U	5.5 U	5 U	6 U
Chloroethane	UG/KG	31,285,714.29		1,900.	11 U	12 U	11 U	11 U	11 U
Chloroform	UG/KG	104,713.115	194,610	300	5 U	2 J	3.3 J	1 J	6 U
Cis-1,3-Dichloropropene	UG/KG				5 U	6 U	5.5 U	5 U	6 U
Ethyl benzene	UG/KG	7,821,428.571	1,720,290	5,500	5 U	6 U	5.5 U	5 U	6 U
Methyl Tertbutyl Ether	UG/KG								
Methyl bromide	UG/KG	111,846.429			11 U	12 U	11 U	11 U	11 U
Methyl butyl ketone	UG/KG				11 U	12 U	11. U	11 U	11 U
Methyl chloride	UG/KG	49,134.615			11 U	12 U	11 U	11 U	11 U
Methyl ethyl ketone	UG/KG		421,380.	300	11 U	12 U	11 U	11 U	11 U
Methyl isobutyl ketone	UG/KG	6,257,142.857		1,000	11 U	12 U	11. U	11 U	11 U
Methylene chlonde	UG/KG	85,166.667	132,030	100	5 U	6 U	5.5 U	5 U	6 U
Styrene	UG/KG				5 U	6 U	5.5 U	5 U	6 U
Tetrachloroethene	UG/KG	12,283.654	6,454,550.	1,400	5. U	6 U	5.5 U	5 U	6 U
Toluene	UG/KG	15,642,857.14	1,552,560.	1,500.	5 U	2 J	5.5 U	5 U	6 U
Total Xylenes	UG/KG	156,428,571.4	5,642,680	1,200	5. U	6 U	5.5 U	5 U	6 U
Trans-1,3-Dichloropropene	UG/KG				5. U	6 U	5.5 U	5 U	6 U
Trichloroethene	UG/KG	58,068.182		700	5. U	6 U	5.5 U	5 U	6 U
Vinyl acetate	UG/KG	78,214,285.71			11 U	12 U	11. U	11 U	11 U
Vinyl chloride	UG/KG	336.184		200	11. U	12. U	11. U	11 U	11 U
HERBICIDES									
2,4,5-T	UG/KG			1,900	5 UJ	6 UJ	6 UJ	5 UJ	6 UJ
2,4,5-TP/Silvex	UG/KG			700.	5 UJ	6 UJ	6. UJ	5 UJ	6 UJ
2,4-D	UG/KG			500.	53. UJ	58 UJ	56. UJ	54 UJ	60 UJ
2,4-DB	UG/KG				53. UJ	58 UJ	56. UJ	54 UJ	60 UJ
Dalapon	UG/KG				130 UJ	140 UJ	130 UJ	130 UJ	140 UJ
Dicamba	UG/KG		22,600.		5 UJ	6. UJ	6 UJ	5 UJ	6 UJ
Dichloroprop	UG/KG				53 UJ	58 UJ	56. UJ	54 UJ	60 UJ
Dinoseb	UG/KG				27 UJ	29 UJ	28 UJ	27 UJ	30 UJ
MCPA	UG/KG				5,300 UJ	5,800 UJ	5,600. UJ	5,400 UJ	6,000 UJ
MCPP	UG/KG		818,180.		5,300 UJ	5,800 UJ	5,600 UJ	5,400 UJ	6,000 UJ

				STUDY ID	RI Phase 1 Step 1	RI Phase 1 Step 1	RI Phase 1 Step 1	RI Phase 1 Step 1	RI Phase 1 Step 1
				SITE	Ash Landfill	Ash Landfill	Ash Landfill	Ash Landfill	Ash Landfill
				LOC ID	B-8-91	B-8-91	B-8-91	B-9-91	B-9-91
				LOC TYPE	BACKGROUND	BACKGROUND	BACKGROUND	BACKGROUND	BACKGROUND
				SAMP_ID	S1105-27SOIL1	S1105-24SOIL1	S1105-25SOIL1	S1105-30SOIL1	S1105-28SOIL1
				QC CODE:	SA	SA	SA-AVG	SA	SA
				SAMP. DETH TOP	-1	0	2	-1	0
				SAMP. DEPTH BOT	-1	2	4	-1	2
				MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL
				SAMP DATE.	05-Nov-91	05-Nov-91	05-Nov-91	05-Nov-91	05-Nov-91
PARAMETER	UNIT	Minimum PRG Value	Ecological PRG	NYSDEC TAGM 4046	VALUE Q	VALUE Q	VALUE Q	VALUE Q	VALUE Q
NITROAROMATICS									
1,3,5-Trinitrobenzene	UG/KG	3,910.714							
1,3-Dinitrobenzene	UG/KG	7,821.429							
2,4,6-Trinitrotoluene	UG/KG	21,291.667							
2,4-Dinitrotoluene	UG/KG	156,428.571	5,060.						
2,6-Dinitrotoluene	UG/KG	78,214.286		1,000					
2-amino-4,6-Dinitrotoluene	UG/KG								
4-amino-2,6-Dinitrotoluene	UG/KG								
HMX	UG/KG								
RDX	UG/KG								
Tetryl	UG/KG								
SEMIVOLATILE ORGANICS									
1,2,4-Trichlorobenzene	UG/KG	782,142.857	1,132,060.	3,400	700. U	760 U	735 U	710 U	780 U
1,2-Dichlorobenzene	UG/KG	7,039,285.714		7,900	700 U	760 U	735 U	710 U	780 U
1,3-Dichlorobenzene	UG/KG	6,961,071.429		1,600	700. U	760 U	735. U	710 U	780 U
1,4-Dichlorobenzene	UG/KG	26,614.583		8,500	700. U	760 U	735. U	710 U	780 U
2,2'-oxybis(1-Chloropropane)	UG/KG								
2,4,5-Trichlorophenol	UG/KG	7,821,428.571		100	3,400 U	3,700 U	3,550 U	3,400 U	3,800 U
2,4,6-Trichlorophenol	UG/KG	58,068.182			700 U	760 U	735 U	710 U	780 U
2,4-Dichlorophenol	UG/KG	234,642.857		400	700 U	760 U	735 U	710 U	780 U
2,4-Dimethylphenol	UG/KG	1,564,285.714			700. U	760 U	735. U	710 U	780 U
2,4-Dinitrophenol	UG/KG	156,428.571		200	3,400 U	3,700 U	3,550 U	3,400 U	3,800 U
2,4-Dinitrotoluene	UG/KG	156,428.571	5,060		700 U	760 U	735 U	710 U	780 U
2,6-Dinitrotoluene	UG/KG	78,214.286		1,000	700. U	760. U	735 U	710 U	780 U
2-Chloronaphthalene	UG/KG				700 U	760 U	735 U	710 U	780 U
2-Chlorophenol	UG/KG	391,071.429	83,200.	800	700. U	760 U	735 U	710 U	780 U
2-Methylnaphthalene	UG/KG		962,620	36,400	700 U	760 U	735 U	710 U	780 U
2-Methylphenol	UG/KG	3,910,714.286		100	700 U	760 U	735 U	710 U	780 U
2-Nitroaniline	UG/KG	4,692.857		430	3,400 U	3,700 U	3,550 U	3,400 U	3,800 U
2-Nitrophenol	UG/KG			330	700 U	760 U	735 U	710 U	780 U
3,3`-Dichlorobenzidine	UG/KG	1,419.444			1,400. U	1,500 U	1,450. U	1,400 U	1,600 U
3-Nitroaniline	UG/KG	234,642.857		500	3,400 U	3,700 U	3,550 U	3,400 U	3,800 U
4,6-Dinitro-2-methylphenol	UG/KG				3,400. U	3,700 U	3,550 U	3,400 U	3,800 U
4-Bromophenyl phenyl ether	UG/KG	4,536,428.571			700. U	760 U	735. U	710 U	780 U
4-Chloro-3-methylphenol	UG/KG			240.	700. U	760 U	735. U	710 U	780 U
4-Chloroaniline	UG/KG	312,857.143		220.	700. U	760 U	735 U	710 U	780 U
4-Chlorophenyl phenyl ether	UG/KG				700. U	760 U	735. U	710. U	780 U
4-Methylphenol	UG/KG			900	700. U	760 U	735 U	710 U	780 U
4-Nitroaniline	UG/KG	234,642.857			3,400. U	3,700. U	3,550. U	3,400 U	3,800 U
4-Nitrophenol	UG/KG	4,692,857.143	18,680.	100.	3,400 U	3,700 U	3,550 U	3,400 U	3,800 U
Acenaphthene	UG/KG		2,268,070.	50,000	700. U	760 U	735 U	710 U	780 U
Acenaphthylene	UG/KG		33,460.	41,000	700. U	760 U	735. U	710 U	780 U
Anthracene	UG/KG	23,464,285.71	1,269,040	50,000	700. U	760. U	735 U	710 U	780 U
Benzo[a]anthracene	UG/KG	875	1,476,040	224	700 U	760 U	735 U	710 U	780 U
Benzo[a]pyrene	UG/KG	87.5	562,720	61	700 U	760 U	735. U	710 U	780 U
Benzo[b]fluoranthene	UG/KG	875	59,750	1,100	700 U	760 U	735 U	710 U	780 U
Benzo[ghi]perylene	UG/KG		76,250.	50,000.	700 U	760 U	735 U	710 U	780 U
Benzo[k]fluoranthene	UG/KG	8,750.	72,640	1,100	700 U	760 U	735 U	710 U	780 U

				STUDY ID:	RI Phase 1 Step 1		RI Phase 1 Step 1		RI Phase 1 Step 1	
				SITE:	Ash Landfill		Ash Landfill		Ash Landfill	
				LOC ID:	B-8-91		B-8-91		B-9-91	
				LOC TYPE:	BACKGROUND		BACKGROUND		BACKGROUND	
				SAMP_ID:	S1105-27SOIL1		S1105-24SOIL1		S1105-25SOIL1	
				QC CODE:	SA		SA		SA-AVG	
				SAMP. DETH TOP:	-1		0		2	
				SAMP. DEPTH BOT:	-1		2		4	
				MATRIX:	SOIL		SOIL		SOIL	
				SAMP. DATE:	05-Nov-91		05-Nov-91		05-Nov-91	
PARAMETER	UNIT	Minimum PRG Value	Ecological PRG	NYSDEC TAGM 4046	VALUE	Q	VALUE	Q	VALUE	Q
Benzoic Acid	UG/KG	312,857,142.9		2,700.	3,400.	U	3,700.	U	3,550	U
Benzyl alcohol	UG/KG				700	U	760.	U	735	U
Bis(2-Chloroethoxy)methane	UG/KG				700	U	760	U	735.	U
Bis(2-Chloroethyl)ether	UG/KG	580.682			700	U	760.	U	735.	U
Bis(2-Chloroisopropyl)ether	UG/KG	9,125.			700.	U	760.	U	735.	U
Bis(2-Ethylhexyl)phthalate	UG/KG	45,625	39,350.	50,000.	700	U	760.	U	735	U
Butylbenzylphthalate	UG/KG	15,642,857.14		50,000.	700.	U	760.	U	735	U
Carbazole	UG/KG	31,937.5								
Chrysene	UG/KG	87,500	93,300.	400	700.	U	760	U	735	U
Di-n-butylphthalate	UG/KG		94,697,730.	8,100	700.	U	760.	U	735.	U
Di-n-octylphthalate	UG/KG	1,564,285.714		50,000	700	U	760	U	735	U
Dibenz[a,h]anthracene	UG/KG	87.5	53,680.	14.	700	U	760.	U	735	U
Dibenzofuran	UG/KG	312,857.143		6,200	700	U	760	U	735	U
Diethyl phthalate	UG/KG	62,571,428.57	7,665,910.	7,100	700.	U	760.	U	735	U
Dimethylphthalate	UG/KG	782,142,857.1		2,000.	700.	U	760	U	735	U
Fluoranthene	UG/KG	3,128,571.429	7,849,900	50,000	700	U	760	U	735	U
Fluorene	UG/KG	3,128,571.429	1,755,510.	50,000	700.	U	760	U	735	U
Hexachlorobenzene	UG/KG	399.219		410	700	U	760	U	735	U
Hexachlorobutadiene	UG/KG	8,189.103			700	U	760	U	735.	U
Hexachlorocyclopentadiene	UG/KG	547,500			700	U	760	U	735	U
Hexachloroethane	UG/KG	45,625			700	U	760	U	735	U
Indeno[1,2,3-cd]pyrene	UG/KG	875	47,630	3,200	700	U	760	U	735	U
Isophorone	UG/KG			4,400	700	U	760	U	735	U
N-Nitrosodiphenylamine	UG/KG	130,357.143			700	U	760	U	735	U
N-Nitrosodipropylamine	UG/KG	817.6	1,454,550		700	U	760	U	735	U
Naphthalene	UG/KG	3,128,571.429	149,740	13,000	700.	U	760.	U	735	U
Nitrobenzene	UG/KG	39,107.143		200	700.	U	760	U	735	U
Pentachlorophenol	UG/KG	5,322.917	1,415,560.	1,000	3,400.	U	3,700	U	3,550	U
Phenanthrene	UG/KG		325,820.	50,000	700	U	760.	U	735	U
Phenol	UG/KG	46,928,571.43	79,520	30	700.	U	760	U	735	U
Pyrene	UG/KG	2,346,428.571	2,420,460	50,000	700	U	760	U	735	U
PESTICIDES/PCBs										
4,4'-DDD	UG/KG	2,661.458	874,990.	2,900	34.	U	37.	U	35.5	U
4,4'-DDE	UG/KG	1,878.676	86,590	2,100	34.	U	37	U	35.5	U
4,4'-DDT	UG/KG	1,878.676	8,870.	2,100	34	U	37	U	35.5	U
Aldrin	UG/KG	37.574	2,750	41	17.	U	18.	U	18.	U
Alpha-BHC	UG/KG			110	17.	U	18.	U	18	U
Alpha-Chlordane	UG/KG		142,090.		170	U	180	U	180.	U
Aroclor-1016	UG/KG	5,475			170	U	180	U	180.	U
Aroclor-1221	UG/KG				170.	U	180	U	180	U
Aroclor-1232	UG/KG				170	U	180.	U	180.	U
Aroclor-1242	UG/KG		12,879,550.		170	U	180.	U	180.	U
Aroclor-1248	UG/KG				170.	U	180	U	180	U
Aroclor-1254	UG/KG	1,564.286	3,925,000.	10,000	340	U	370	U	355	U
Aroclor-1260	UG/KG		2,272,730	10,000	340	U	370	U	355	U
Beta-BHC	UG/KG		11,060	200	17	U	18	U	18	U
Delta-BHC	UG/KG			300	17	U	18	U	18	U
Dieldrin	UG/KG	39.922		44.	34	U	37	U	35.5	U
Endosulfan I	UG/KG	469,285.714	131,820.	900.	17	U	18	U	18	U

				STUDY ID:	RI Phase 1 Step 1		RI Phase 1 Step 1		RI Phase 1 Step 1	
				SITE:	Ash Landfill		Ash Landfill		Ash Landfill	
				LOC ID:	B-9-91		B-9-91		B-9-91	
				LOC TYPE:	BACKGROUND		BACKGROUND		BACKGROUND	
				SAMP_ID:	S1105-30SOIL1		S1105-28SOIL1			
				QC CODE:	SA		SA			
				SAMP. DETH TOP:	-1		0			
				SAMP. DEPTH BOT:	-1		2			
				MATRIX:	SOIL		SOIL			
				SAMP. DATE:	05-Nov-91		05-Nov-91			
PARAMETER	UNIT	Minimum PRG Value	Ecological PRG	NYSDEC TAGM 4046	VALUE	Q	VALUE	Q		
Benzoic Acid	UG/KG	312,857,142.9		2,700.	3,400	U	3,800	U		
Benzyl alcohol	UG/KG				710	U	780	U		
Bis(2-Chloroethoxy)methane	UG/KG				710	U	780	U		
Bis(2-Chloroethyl)ether	UG/KG	580.682			710	U	780	U		
Bis(2-Chloroisopropyl)ether	UG/KG	9,125.			710	U	780	U		
Bis(2-Ethylhexyl)phthalate	UG/KG	45,625	39,350.	50,000.	710	U	780	U		
Butylbenzylphthalate	UG/KG	15,642,857.14		50,000.	710	U	780	U		
Carbazole	UG/KG	31,937.5								
Chrysene	UG/KG	87,500	93,300.	400	710	U	780	U		
Di-n-butylphthalate	UG/KG		94,697,730.	8,100	710	U	780	U		
Di-n-octylphthalate	UG/KG	1,564,285.714		50,000	710	U	780	U		
Dibenz[a,h]anthracene	UG/KG	87.5	53,680.	14.	710	U	780	U		
Dibenzofuran	UG/KG	312,857.143		6,200	710	U	780	U		
Diethyl phthalate	UG/KG	62,571,428.57	7,665,910.	7,100	710	U	780	U		
Dimethylphthalate	UG/KG	782,142,857.1		2,000.	710	U	780	U		
Fluoranthene	UG/KG	3,128,571.429	7,849,900	50,000	710	U	780	U		
Fluorene	UG/KG	3,128,571.429	1,755,510.	50,000	710	U	780	U		
Hexachlorobenzene	UG/KG	399.219		410	710	U	780	U		
Hexachlorobutadiene	UG/KG	8,189.103			710	U	780	U		
Hexachlorocyclopentadiene	UG/KG	547,500			710	U	780	U		
Hexachloroethane	UG/KG	45,625			710	U	780	U		
Indeno[1,2,3-cd]pyrene	UG/KG	875	47,630	3,200	710	U	780	U		
Isophorone	UG/KG			4,400	710	U	780	U		
N-Nitrosodiphenylamine	UG/KG	130,357.143			710	U	780	U		
N-Nitrosodipropylamine	UG/KG	817.6	1,454,550		710	U	780	U		
Naphthalene	UG/KG	3,128,571.429	149,740	13,000	710	U	780	U		
Nitrobenzene	UG/KG	39,107.143		200	710	U	780	U		
Pentachlorophenol	UG/KG	5,322.917	1,415,560.	1,000	3,400	U	3,800	U		
Phenanthrene	UG/KG		325,820.	50,000	710	U	780	U		
Phenol	UG/KG	46,928,571.43	79,520	30	710	U	780	U		
Pyrene	UG/KG	2,346,428.571	2,420,460	50,000	710	U	780	U		
PESTICIDES/PCBs										
4,4'-DDD	UG/KG	2,661.458	874,990.	2,900	34	UJ	38	U		
4,4'-DDE	UG/KG	1,878.676	86,590	2,100	34	UJ	38	U		
4,4'-DDT	UG/KG	1,878.676	8,870.	2,100	34	UJ	38	U		
Aldrin	UG/KG	37.574	2,750	41	17	UJ	19	U		
Alpha-BHC	UG/KG			110	17.	UJ	19	U		
Alpha-Chlordane	UG/KG		142,090.		170	UJ	190	U		
Aroclor-1016	UG/KG	5,475			170	UJ	190	U		
Aroclor-1221	UG/KG				170	UJ	190	U		
Aroclor-1232	UG/KG				170	UJ	190	U		
Aroclor-1242	UG/KG		12,879,550.		170	UJ	190	U		
Aroclor-1248	UG/KG				170	UJ	190	U		
Aroclor-1254	UG/KG	1,564.286	3,925,000.	10,000	340	UJ	380	U		
Aroclor-1260	UG/KG		2,272,730	10,000	340	UJ	380	U		
Beta-BHC	UG/KG		11,060	200	17	UJ	19	U		
Delta-BHC	UG/KG			300	17	UJ	19	U		
Dieldrin	UG/KG	39.922		44.	34	UJ	38	U		
Endosulfan I	UG/KG	469,285.714	131,820.	900.	17	UJ	19	U		

				STUDY ID:	RI Phase 1 Step 1		RI Phase 1 Step 1		RI Phase 1 Step 1		RI Phase 1 Step 1		RI Phase 1 Step 1	
				SITE:	Ash Landfill		Ash Landfill		Ash Landfill		Ash Landfill		Ash Landfill	
				LOC ID:	B-8-91		B-8-91		B-8-91		B-9-91		B-9-91	
				LOC TYPE:	BACKGROUND		BACKGROUND		BACKGROUND		BACKGROUND		BACKGROUND	
				SAMP_ID:	S1105-27SOIL1		S1105-24SOIL1		S1105-25SOIL1		S1105-30SOIL1		S1105-28SOIL1	
				QC CODE:	SA		SA		SA-AVG		SA		SA	
				SAMP. DETH TOP:	-1		0		2		-1		0	
				SAMP. DEPTH BOT:	-1		2		4		-1		2	
				MATRIX:	SOIL		SOIL		SOIL		SOIL		SOIL	
				SAMP. DATE:	05-Nov-91		05-Nov-91		05-Nov-91		05-Nov-91		05-Nov-91	
PARAMETER	UNIT	Minimum PRG Value	Ecological PRG	NYSDEC TAGM 4046	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q
Endosulfan II	UG/KG	469,285.714		900.	34.	U	37.	U	35.5	U	34.	UJ	38.	U
Endosulfan sulfate	UG/KG		15,820.	1,000.	34.	U	37.	U	35.5	U	34.	UJ	38.	U
Endrin aldehyde	UG/KG	23,464.286	6,350.											
Endrin ketone	UG/KG	23,464.286	6,350.		34.	U	37.	U	35.5	U	34.	UJ	38.	U
Endrin	UG/KG	23,464.286	240,910.	100.	34.	U	37.	U	35.5	U	34.	UJ	38.	U
Gamma-BHC/Lindane	UG/KG	491.346		60.	17.	U	18.	U	18.	U	17.	UJ	19.	U
Gamma-Chlordane	UG/KG		47,360.	540.	170.	U	180.	U	180.	U	170.	UJ	190.	U
Heptachlor epoxide	UG/KG	70.192	10.	20.	17.	U	18.	U	18.	U	17.	UJ	19.	U
Heptachlor	UG/KG	141.944	28,620.	100.	17.	U	18.	U	18.	U	17.	UJ	19.	U
Methoxychlor	UG/KG	391,071.429			170.	U	180.	U	180.	U	170.	UJ	190.	U
Toxaphene	UG/KG				340.	U	370.	U	355.	U	340.	UJ	380.	U
METALS														
Aluminum	UG/KG	78,214,285.71		19,520,000.	12,700,000		19,200,000		19,100,000		7,160,000		14,800,000	
Antimony	UG/KG	31,285.714	18,437,230.	6,000.	8,400.	UJ	10,300.	UJ	8,500.	UJ	7,000.	UJ	9,900.	UJ
Arsenic	UG/KG	425.833	223,670.	8,900.	4,200.	J	5,100.	J	6,050.	J	4,400.	J	4,300.	J
Barium	UG/KG	5,475,000.	91,840.	300,000.	56,200.	J	136,000.	J	92,800.	J	39,900.	J	101,000.	J
Beryllium	UG/KG	148.547	6,570.	1,130.	780.	J	1,400.		1,100.		520.	J	1,100.	
Cadmium	UG/KG	39,107.143	737,770.	2,460.	1,900.		2,600.		2,650.		1,500.		2,300.	
Calcium	UG/KG			125,300,000.	85,900,000.		5,390,000.		4,215,000.		101,000,000.		45,600,000.	
Chromium	UG/KG	78,214,285.71	850,430.	30,000.	19,800.	J	27,400.	J	28,500.	J	11,200.	J	22,500.	J
Cobalt	UG/KG	4,692,857.143		30,000.	14,200.		13,800.		16,200.		8,100.		13,700.	
Copper	UG/KG	3,128,571.429	827,810.	33,000.	16,200.		22,300.		26,800.		19,300.		22,600.	
Cyanide	UG/KG		13,636,360.	350.	580.	U	600.	U	650.	U	620.	U	700.	U
Iron	UG/KG	23,464,285.71		37,410,000.	27,400,000.		37,200,000.		34,300,000.		17,300,000.		31,000,000.	
Lead	UG/KG		181,460.	24,400.	10,100.		14,500.		12,500.		7,800.		10,800.	
Magnesium	UG/KG			21,700,000.	6,720,000.		5,850,000.		6,895,000.		12,600,000.		8,860,000.	
Manganese	UG/KG	1,798,928.571	8,821,860.	1,100,000.	926,000.		1,130,000.		894,000.		514,000.		903,000.	
Mercury	UG/KG	23,464.286	1,710.	100.	50.	J	90.		60.	J	50.	J	80.	J
Nickel	UG/KG	1,564,285.714	2,833,820.	50,000.	30,400.		42,300.		46,550.		19,000.		38,400.	
Potassium	UG/KG			2,623,000.	1,430,000.		1,910,000.		1,935,000.		1,050,000.		1,320,000.	
Selenium	UG/KG	391,071.429	193,140.	2,000.	610.	UJ	170.	UJ	205.	UJ	210.	UJ	210.	UJ
Silver	UG/KG	391,071.429		800.	1,300.	U	1,600.	U	1,250.	U	1,100.	U	1,500.	U
Sodium	UG/KG			188,000.	75,300.	J	79,200.	U	65,050.	U	116,000.	J	84,200.	J
Thallium	UG/KG	6,257.143		855.	340.	U	470.	U	575.	U	600.	U	590.	U
Vanadium	UG/KG	547,500.		150,000.	15,700.		32,200.		25,900.		12,900.		19,700.	
Zinc	UG/KG	23,464,285.71		115,000.	75,000.	J	85,100.	J	89,600.	J	74,800.	J	126,000.	J
OTHER ANALYSES														
Fluoride	UG/KG	4,692,857.143												
Nitrate/Nitrite	UG/KG													
Total Petroleum Hydrocarbon	UG/KG													

				STUDY ID	RI Phase 1 Step 1	RI Phase 1 Step 1	RI Phase 1 Step 1	RI Phase 1 Step 1	RI Phase 1 Step 1
				SITE	Ash Landfill	Ash Landfill	Ash Landfill	OB Grounds	OB Grounds
				LOC ID	B-9-91	BK-1	BK-2	GB35	GB35
				LOC TYPE	BACKGROUND	BACKGROUND	BACKGROUND	BACKGROUND	BACKGROUND
				SAMP_ID	S1105-29SOIL1	BK-1SOIL3	BK-2SOIL3	GB35-1GRID	GB35-2GRID
				QC CODE	SA	SA	SA	SA-AVG	SA
				SAMP DETH TOP	2	0	0	0	2
				SAMP DEPTH BOT	4	2	2	2	4
				MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL
				SAMP DATE	05-Nov-91	16-Dec-92	16-Dec-92	20-Jan-93	20-Jan-93
PARAMETER	UNIT	Minimum PRG Value	Ecological PRG	NYSDEC TAGM 4046	VALUE Q	VALUE Q	VALUE Q	VALUE Q	VALUE Q
VOLATILE ORGANICS									
1,1,1-Trichloroethane	UG/KG	2,737,500	957,110.	800	6 U	14 U	13 U	12 5 U	11 U
1,1,2,2-Tetrachloroethane	UG/KG	31,937 5		600.	6 U	14 U	13 U	12 5 U	11 U
1,1,2-Trichloroethane	UG/KG	11,206 14			6 U	14 U	13 U	12 5 U	11 U
1,1-Dichloroethane	UG/KG	7,821,428 571		200	6 U	14 U	13 U	12 5 U	11 U
1,1-Dichloroethene	UG/KG	1,064 583		400	6 U	14 U	13 U	12 5 U	11 U
1,2-Dichloroethane	UG/KG	7,019 231		100.	6 U	14 U	13 U	12 5 U	11 U
1,2-Dichloroethene (total)	UG/KG				6 U	13 U	13 U	12 5 U	11 U
1,2-Dichloropropane	UG/KG	9,393 382			6 U	14 U	13 U	12 5 U	11 U
Acetone	UG/KG	7,821,428 571	34,270.	200	11 U	14 U	13 U	12 5 U	11 U
Benzene	UG/KG	22,025 862	247,370.	60	6 U	14 U	13 U	12 5 U	11 U
Bromodichloromethane	UG/KG	10,302 419			6 U	14 U	13 U	12 5 U	11 U
Bromoform	UG/KG	80,854 43			6 U	14 U	13 U	12 5 U	11 U
Carbon disulfide	UG/KG	7,821,428 571	53,000	2,700	6 U	14 U	13 U	12 5 U	11 U
Carbon tetrachloride	UG/KG	4,913 462		600	6 U	14 U	13 U	12 5 U	11 U
Chlorobenzene	UG/KG	1,564,285 714		1,700.	6 U	14 U	13 U	12 5 U	11 U
Chlorodibromomethane	UG/KG	7,604 167			6. U	14 U	13 U	12 5 U	11 U
Chloroethane	UG/KG	31,285,714 29		1,900	11 U	14 U	13 U	12 5 U	11 U
Chloroform	UG/KG	104,713 115	194,610	300	4 J	14 U	13 U	12 5 U	11 U
Cis-1,3-Dichloropropene	UG/KG				6 U	14 U	13 U	12 5 U	11 U
Ethyl benzene	UG/KG	7,821,428 571	1,720,290	5,500	6. U	14 U	13 U	12 5 U	11 U
Methyl Tertbutyl Ether	UG/KG								
Methyl bromide	UG/KG	111,846 429			11 U	14 U	13 U	12 5 U	11 U
Methyl butyl ketone	UG/KG				11 U	14 U	13 U	12 5 U	11 U
Methyl chloride	UG/KG	49,134 615			11 U	14 U	13 U	12 5 U	11 U
Methyl ethyl ketone	UG/KG		421,380	300	11 U	14 U	13 U	12 5 U	11 U
Methyl isobutyl ketone	UG/KG	6,257,142 857		1,000	11 U	14 U	13 U	12.5 U	11 U
Methylene chloride	UG/KG	85,166 667	132,030	100	6 U	14 U	13 U	12.5 U	11 U
Styrene	UG/KG				6 U	14 U	13. U	12 5 U	11 U
Tetrachloroethene	UG/KG	12,283 654	6,454,550	1,400	6 U	14 U	13 U	12 5 U	11 U
Toluene	UG/KG	15,642,857 14	1,552,560.	1,500	6. U	14 U	13 U	12 5 U	11 U
Total Xylenes	UG/KG	156,428,571 4	5,642,680	1,200	6 U	14 U	13 U	12 5 U	11 U
Trans-1,3-Dichloropropene	UG/KG				6 U	14 U	13 U	12 5 U	11 U
Trichloroethene	UG/KG	58,068 182		700	6. U	14 U	13 U	12 5 U	11 U
Vinyl acetate	UG/KG	78,214,285 71			11 U				
Vinyl chloride	UG/KG	336 184		200.	11. U	14 U	13 U	12 5 U	11 U
HERBICIDES									
2,4,5-T	UG/KG			1,900	6 UJ	6 4 U	6 5 U		
2,4,5-TP/Silvex	UG/KG			700.	6 UJ	6.4 U	6 5 U		
2,4-D	UG/KG			500	56 UJ	64 U	65. U		
2,4-DB	UG/KG				56 UJ	64 U	65 U		
Dalapon	UG/KG				130 UJ	150 U	160 U		
Dicamba	UG/KG		22,600.		6 UJ	6.4 U	6 5 U		
Dichloroprop	UG/KG				56 UJ	64 U	65 U		
Dinoseb	UG/KG				28 UJ	32 U	33 U		
MCPA	UG/KG				5,600 UJ	6,400 U	6,500 U		
MCPP	UG/KG		818,180		5,600 UJ	6,400 U	6,500 U		

				STUDY ID	RI Phase 1 Step 1	RI Phase 1 Step 1	RI Phase 1 Step 1	RI Phase 1 Step 1	RI Phase 1 Step 1
				SITE	Ash Landfill	Ash Landfill	Ash Landfill	OB Grounds	OB Grounds
				LOC ID	B-9-91	BK-1	BK-2	GB35	GB35
				LOC TYPE	BACKGROUND	BACKGROUND	BACKGROUND	BACKGROUND	BACKGROUND
				SAMP_ID	S1105-29SOIL1	BK-1SOIL3	BK-2SOIL3	GB35-1GRID	GB35-2GRID
				QC CODE	SA	SA	SA	SA-AVG	SA
				SAMP_DETH TOP	2	0	0	0	2
				SAMP_DEPTH BOT	4	2	2	2	4
				MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL
				SAMP_DATE	05-Nov-91	16-Dec-92	16-Dec-92	20-Jan-93	20-Jan-93
PARAMETER	UNIT	Minimum PRG Value	Ecological PRG	NYSDEC TAGM 4046	VALUE Q	VALUE Q	VALUE Q	VALUE Q	VALUE Q
NITROAROMATICS									
1,3,5-Trinitrobenzene	UG/KG	3,910 714						120 U	120 U
1,3-Dinitrobenzene	UG/KG	7,821.429						120 U	120 U
2,4,6-Trinitrotoluene	UG/KG	21,291.667						120 U	120 U
2,4-Dinitrotoluene	UG/KG	156,428 571	5,060.					120 U	120 U
2,6-Dinitrotoluene	UG/KG	78,214 286		1,000				120 U	120 U
2-amino-4,6-Dinitrotoluene	UG/KG							120 U	120 U
4-amino-2,6-Dinitrotoluene	UG/KG							120 U	120 U
HMX	UG/KG							67.5 J	120 U
RDX	UG/KG							120 U	120 U
Tetryl	UG/KG							120 U	120 U
SEMIVOLATILE ORGANICS									
1,2,4-Trichlorobenzene	UG/KG	782,142 857	1,132,060.	3,400.	730 UJ	420 U	430 UJ	420 U	360 U
1,2-Dichlorobenzene	UG/KG	7,039,285 714		7,900	730 UJ	420 U	430 UJ	420 U	360 U
1,3-Dichlorobenzene	UG/KG	6,961,071 429		1,600	730 UJ	420 U	430 UJ	420 U	360 U
1,4-Dichlorobenzene	UG/KG	26,614 583		8,500	730 UJ	420 U	430 UJ	420 U	360 U
2,2'-oxybis(1-Chloropropane)	UG/KG					420 U	430 UJ	420 U	360 U
2,4,5-Trichlorophenol	UG/KG	7,821,428 571		100	3,500 UJ	1,000 U	1,000 UJ	1,000 U	880 U
2,4,6-Trichlorophenol	UG/KG	58,068 182			730 UJ	420 U	430 UJ	420 U	360 U
2,4-Dichlorophenol	UG/KG	234,642 857		400	730 UJ	420 U	430 UJ	420 U	360 U
2,4-Dimethylphenol	UG/KG	1,564,285 714			730 UJ	420 U	430 UJ	420 U	360 U
2,4-Dinitrophenol	UG/KG	156,428 571		200	3,500 UJ	1,000 U	1,000 UJ	1,000 U	880 U
2,4-Dinitrotoluene	UG/KG	156,428 571	5,060		730 UJ	420 U	430 UJ	420 U	360 U
2,6-Dinitrotoluene	UG/KG	78,214 286		1,000	730 UJ	420 U	430 UJ	420 U	360 U
2-Chloronaphthalene	UG/KG				730 UJ	420 U	430 UJ	420 U	360 U
2-Chlorophenol	UG/KG	391,071 429	83,200	800	730 UJ	420 U	430 UJ	420 U	360 U
2-Methylnaphthalene	UG/KG		962,620.	36,400	730 UJ	420 U	430 UJ	420 U	360 U
2-Methylphenol	UG/KG	3,910,714 286		100	730 UJ	420 U	430 UJ	420 U	360 U
2-Nitroaniline	UG/KG	4,692 857		430	3,500 UJ	1,000 U	1,000 UJ	1,000 U	880 U
2-Nitrophenol	UG/KG			330	730 UJ	420 U	430 UJ	420 U	360 U
3,3'-Dichlorobenzidine	UG/KG	1,419 444			1,500 UJ	420 U	430 UJ	420 U	360 U
3-Nitroaniline	UG/KG	234,642 857		500.	3,500 UJ	1,000 U	1,000 UJ	1,000 U	880 U
4,6-Dinitro-2-methylphenol	UG/KG				3,500 UJ	1,000 U	1,000 UJ	1,000 U	880 U
4-Bromophenyl phenyl ether	UG/KG	4,536,428 571			730 UJ	420 U	430 UJ	420 U	360 U
4-Chloro-3-methylphenol	UG/KG			240	730 UJ	430 U	430 UJ	420 U	360 U
4-Chloroaniline	UG/KG	312,857 143		220	730 UJ	420 U	430 UJ	420 U	360 U
4-Chlorophenyl phenyl ether	UG/KG				730 UJ	420 U	430 UJ	420 U	360 U
4-Methylphenol	UG/KG			900	730 UJ	420 U	430 UJ	420 U	360 U
4-Nitroaniline	UG/KG	234,642 857			3,500 UJ	1,000 U	1,000 UJ	1,000 U	880 U
4-Nitrophenol	UG/KG	4,692,857 143	18,680	100	3,500 UJ	1,000 U	1,000 UJ	1,000 U	880 U
Acenaphthene	UG/KG		2,268,070.	50,000	730 UJ	420 U	430 UJ	420 U	360 U
Acenaphthylene	UG/KG		33,460	41,000	730 UJ	420 U	430 UJ	420 U	360 U
Anthracene	UG/KG	23,464,285 71	1,269,040	50,000	730 UJ	420 U	31 J	420 U	360 U
Benzo[a]anthracene	UG/KG	875	1,476,040.	224	730 UJ	420 U	77 J	420 U	360 U
Benzo[a]pyrene	UG/KG	87 5	562,720	61	730 UJ	420 U	48 J	420 U	360 U
Benzo[b]fluoranthene	UG/KG	875	59,750.	1,100	730 UJ	420 U	66 J	420 U	360 U
Benzo[ghi]perylene	UG/KG		76,250	50,000	730 UJ	420 U	430 UJ	420 U	360 U
Benzo[k]fluoranthene	UG/KG	8,750	72,640	1,100	730 UJ	420 U	70 J	420 U	360 U

				STUDY ID:	RI Phase 1 Step 1	RI Phase 1 Step 1	RI Phase 1 Step 1	RI Phase 1 Step 1	RI Phase 1 Step 1
				SITE:	Ash Landfill	Ash Landfill	Ash Landfill	OB Grounds	OB Grounds
				LOC ID:	B-9-91	BK-1	BK-2	GB35	GB35
				LOC TYPE:	BACKGROUND	BACKGROUND	BACKGROUND	BACKGROUND	BACKGROUND
				SAMP_ID:	S1105-29SOIL1	BK-1SOIL3	BK-2SOIL3	GB35-1GRID	GB35-2GRID
				QC CODE:	SA	SA	SA	SA-AVG.	SA
				SAMP. DETH TOP:	2	0	0	0	2
				SAMP. DEPTH BOT.	4	2	2	2	4
				MATRIX:	SOIL	SOIL	SOIL	SOIL	SOIL
				SAMP. DATE:	05-Nov-91	16-Dec-92	16-Dec-92	20-Jan-93	20-Jan-93
PARAMETER	UNIT	Minimum PRG Value	Ecological PRG	NYSDEC TAGM 4046	VALUE Q	VALUE Q	VALUE Q	VALUE Q	VALUE Q
Benzoic Acid	UG/KG	312,857,142.9		2,700.	3,500 UJ				
Benzyl alcohol	UG/KG				730 UJ				
Bis(2-Chloroethoxy)methane	UG/KG				730. UJ	420. U	430 UJ	420 U	360 U
Bis(2-Chloroethyl)ether	UG/KG	580.682			730. UJ	420 U	430 UJ	420 U	360 U
Bis(2-Chloroisopropyl)ether	UG/KG	9,125			730. UJ				
Bis(2-Ethylhexyl)phthalate	UG/KG	45,625	39,350.	50,000.	730. UJ	670 U	280 J	305. J	360 U
Butylbenzylphthalate	UG/KG	15,642,857.14		50,000.	730. UJ	420 U	430 UJ	420 U	360 U
Carbazole	UG/KG	31,937.5				420 U	37 J	420 U	360 U
Chrysene	UG/KG	87,500	93,300.	400.	730. UJ	420 U	80 J	420 U	360 U
Di-n-butylphthalate	UG/KG		94,697,730.	8,100.	730 UJ	420 U	430 UJ	112.5 J	12 J
Di-n-octylphthalate	UG/KG	1,564,285.714		50,000	730. UJ	420 U	430 J	420 U	360 U
Dibenz[a,h]anthracene	UG/KG	87.5	53,680.	14.	730. UJ	420. U	430. UJ	420 U	360 U
Dibenzofuran	UG/KG	312,857.143		6,200	730 UJ	420 U	430 UJ	420 U	360 U
Diethyl phthalate	UG/KG	62,571,428.57	7,665,910.	7,100.	730 UJ	420. U	430 UJ	420. U	360 U
Dimethylphthalate	UG/KG	782,142,857.1		2,000.	730 UJ	420. U	430 UJ	420 U	360 U
Fluoranthene	UG/KG	3,128,571.429	7,849,900.	50,000	730 UJ	23 J	190 J	117 J	360 U
Fluorene	UG/KG	3,128,571.429	1,755,510.	50,000.	730 UJ	420 U	430 UJ	420 U	360 U
Hexachlorobenzene	UG/KG	399.219		410.	730. UJ	420 U	430 UJ	420 U	360 U
Hexachlorobutadiene	UG/KG	8,189.103			730. UJ	420 U	430 UJ	420 U	360 U
Hexachlorocyclopentadiene	UG/KG	547,500			730 UJ	420 U	430 UJ	420 U	360 U
Hexachloroethane	UG/KG	45,625			730 UJ	420 U	430 UJ	420 U	360 U
Indeno[1,2,3-cd]pyrene	UG/KG	875	47,630.	3,200	730 UJ	420 U	34 J	420 U	360 U
Isophorone	UG/KG			4,400	730. UJ	420 U	430 UJ	420 U	360 U
N-Nitrosodiphenylamine	UG/KG	130,357.143			730 UJ	420 U	430 UJ	420 U	360 U
N-Nitrosodipropylamine	UG/KG	817.6	1,454,550.		730 UJ	420 U	430 UJ	420 U	360 U
Naphthalene	UG/KG	3,128,571.429	149,740.	13,000	730 UJ	420 U	430 UJ	420 U	360 U
Nitrobenzene	UG/KG	39,107.143		200	730 UJ	420 U	430 UJ	420 U	360 U
Pentachlorophenol	UG/KG	5,322.917	1,415,560.	1,000	3,500 UJ	1,000 U	1,000 UJ	1,000 U	880 U
Phenanthrene	UG/KG		325,820.	50,000	730 UJ	420 U	130 J	420 U	360 U
Phenol	UG/KG	46,928,571.43	79,520.	30.	730. UJ	420 U	430 UJ	420 U	360 U
Pyrene	UG/KG	2,346,428.571	2,420,460.	50,000	730 UJ	21 J	140 J	113 J	360 U
PESTICIDES/PCBs									
4,4'-DDD	UG/KG	2,661.458	874,990.	2,900.	35. UJ	4.3 U	4.3 U	4.2 U	3.6 U
4,4'-DDE	UG/KG	1,878.676	86,590.	2,100.	35. UJ	4.3 U	2.2 J	4.2 U	3.6 U
4,4'-DDT	UG/KG	1,878.676	8,870.	2,100	35. UJ	4.3 U	4.3 U	4.2 U	3.6 U
Aldrin	UG/KG	37.574	2,750.	41.	17. UJ	2.2 U	2.2 U	2.15 U	1.9 U
Alpha-BHC	UG/KG			110	17 UJ	2.2 U	2.2 U	2.15 U	1.9 U
Alpha-Chlordane	UG/KG		142,090.		170. UJ	2.2 U	1.3 J	2.15 U	1.9 U
Aroclor-1016	UG/KG	5,475.			170. UJ	43. U	43 U	42. U	36 U
Aroclor-1221	UG/KG				170 UJ	88 U	88. U	85. U	74 U
Aroclor-1232	UG/KG				170. UJ	43 U	43 U	42 U	36 U
Aroclor-1242	UG/KG		12,879,550.		170. UJ	43 U	43 U	42 U	36 U
Aroclor-1248	UG/KG				170. UJ	43 U	43 U	42. U	36 U
Aroclor-1254	UG/KG	1,564.286	3,925,000.	10,000	350 UJ	43 U	43 U	42 U	36 U
Aroclor-1260	UG/KG		2,272,730.	10,000	350 UJ	43 U	43 U	42 U	36 U
Beta-BHC	UG/KG		11,060.	200	17 UJ	2.2 U	2.2 U	2.15 U	1.9 U
Delta-BHC	UG/KG			300	17 UJ	2.2 U	2.2 U	2.15 U	1.9 U
Dieldrin	UG/KG	39.922		44.	35. UJ	4.3 U	4.3 U	4.2 U	3.6 U
Endosulfan I	UG/KG	469,285.714	131,820.	900	17 UJ	2.2 U	2.2 U	2.15 U	1.9 U

				STUDY ID	RI Phase 1 Step 1	RI Phase 1 Step 1	RI Phase 1 Step 1	RI Phase 1 Step 1	RI Phase 1 Step 1
				SITE	Ash Landfill	Ash Landfill	Ash Landfill	OB Grounds	OB Grounds
				LOC ID	B-9-91	BK-1	BK-2	GB35	GB35
				LOC TYPE	BACKGROUND	BACKGROUND	BACKGROUND	BACKGROUND	BACKGROUND
				SAMP_ID	S1105-29SOIL1	BK-1SOIL3	BK-2SOIL3	GB35-1GRID	GB35-2GRID
				QC CODE	SA	SA	SA	SA-AVG	SA
				SAMP_DETH TOP	2	0	0	0	2
				SAMP_DEPTH BOT	4	2	2	2	4
				MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL
				SAMP_DATE	05-Nov-91	16-Dec-92	16-Dec-92	20-Jan-93	20-Jan-93
PARAMETER	UNIT	Minimum PRG Value	Ecological PRG	NYSDEC TAGM 4046	VALUE Q	VALUE Q	VALUE Q	VALUE Q	VALUE Q
Endosulfan II	UG/KG	469,285 714		900.	35 UJ	4 3 U	4.3 U	4 2 U	3 6 U
Endosulfan sulfate	UG/KG		15,820.	1,000.	35 UJ	4 3 U	4 3 U	4 2 U	3 6 U
Endrin aldehyde	UG/KG	23,464 286	6,350.			4 3 U	4 3 U	4 2 U	3 6 U
Endrin ketone	UG/KG	23,464 286	6,350.		35 UJ	4 3 U	4 3 U	4 2 U	3 6 U
Endrin	UG/KG	23,464 286	240,910.	100	35 UJ	4 3 U	4 3 U	4 2 U	3 6 U
Gamma-BHC/Lindane	UG/KG	491 346		60	17 UJ	2 2 U	2.2 U	2.15 U	1 9 U
Gamma-Chlordane	UG/KG		47,360.	540	170. UJ	2 2 U	2.2 U	2.15 U	1 9 U
Heptachlor epoxide	UG/KG	70 192	10.	20.	17 UJ	2 2 U	2 2 U	2 15 U	1 9 U
Heptachlor	UG/KG	141 944	28,620.	100.	17 UJ	2 2 U	2 2 U	2 15 U	1 9 U
Methoxychlor	UG/KG	391,071 429			170 UJ	22 U	22. U	21 5 U	19 U
Toxaphene	UG/KG				350 UJ	220. U	220 U	215 U	190 U
METALS									
Aluminum	UG/KG	78,214,285 71		19,520,000	8,880,000	19,400,000	14,400,000	17,100,000	17,600,000
Antimony	UG/KG	31,285 714	18,437,230.	6,000	9,900 UJ	7,900 U	7,200 U	4,600 J	6,800 J
Arsenic	UG/KG	425 833	223,670.	8,900	3,800 J	3,000	2,700	5,750	7,700
Barium	UG/KG	5,475,000	91,840.	300,000.	110,000 J	159,000	106,000	77,650	61,700
Beryllium	UG/KG	148 547	6,570.	1,130.	760	1,100	810	810	740
Cadmium	UG/KG	39,107 143	737,770.	2,460.	1,700.	450 U	410 U	340 U	310 U
Calcium	UG/KG			125,300,000	104,000,000	4,590,000	22,500,000	1,480,000	17,700,000
Chromium	UG/KG	78,214 285 71	850,430.	30,000	13,800 J	30,000	22,300	24,300	29,300
Cobalt	UG/KG	4,692,857 143		30,000	10,700	14,400	12,300	9,850	16,300
Copper	UG/KG	3,128,571 429	827,810.	33,000	21,600	26,900	18,800	17,350	24,500
Cyanide	UG/KG		13,636,360.	350	630 U	570 U	610 U	800 U	710 U
Iron	UG/KG	23,464,285 71		37,410,000	19,600,000	38,600,000	26,600,000	28,000,000	34,200,000
Lead	UG/KG		181,460.	24,400.	10,100	15,800	18,900	16,750	5,400
Magnesium	UG/KG			21,700,000	17,000,000	5,980,000	7,910,000	4,170,000	7,790,000
Manganese	UG/KG	1,798,928 571	8,821,860.	1,100,000.	532,000	2,380,000	800,000	738,000	646,000
Mercury	UG/KG	23,464 286	1,710.	100	40 J	130 J	110	65 J	30 U
Nickel	UG/KG	1,564,285 714	2,833,820.	50,000	23,800	47,700	31,000	27,300	48,700
Potassium	UG/KG			2,623,000.	1,080,000	1,720,000	1,210,000	1,042,500	1,110,000
Selenium	UG/KG	391,071 429	193,140.	2,000	650. UJ	730 J	940.	220 UJ	230 UJ
Silver	UG/KG	391,071 429		800	1,500 U	470. U	430 U	350 U	320 U
Sodium	UG/KG			188,000.	112,000. J	49,100 J	61,100. J	35,100 J	77,500 J
Thallium	UG/KG	6,257 143		855.	360 U	420 U	380 U	525 U	540 U
Vanadium	UG/KG	547,500.		150,000	19,500	28,000	22,400	26,600	22,300
Zinc	UG/KG	23,464,285 71		115,000	84,300 J	98,600.	63,700	54,050	83,400
OTHER ANALYSES									
Fluoride	UG/KG	4,692,857 143							
Nitrate/Nitrite	UG/KG								
Total Petroleum Hydrocarbon	UG/KG								

				STUDY ID	RI Phase 1 Step 1	RI Phase 1 Step 1	RI Phase 1 Step 1	RI Phase 1 Step 1	RI Phase 1 Step 1
				SITE	OB Grounds	OB Grounds	OB Grounds	OB Grounds	OB Grounds
				LOC ID	GB36	GB36	MW-34	MW-36	MW-36
				LOC TYPE	BACKGROUND	BACKGROUND	BACKGROUND	BACKGROUND	BACKGROUND
				SAMP_ID	GB36-1GRID	GB36-2GRID	2011121MW34GRID	MW36-3GRID	MW36-1GRID
				QC CODE	SA	SA	SA	SA	SA-AVG
				SAMP. DETH TOP	0	2	0	-1	0
				SAMP. DEPTH BOT.	2	4	2	-1	2
				MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL
				SAMP. DATE.	20-Jan-93	20-Jan-93	20-Nov-91	11-Jan-93	11-Jan-93
PARAMETER	UNIT	Minimum PRG Value	Ecological PRG	NYSDEC TAGM 4046	VALUE Q	VALUE Q	VALUE Q	VALUE Q	VALUE Q
VOLATILE ORGANICS									
1,1,1-Trichloroethane	UG/KG	2,737,500	957,110	800.	12 U	11 U	6. U	11 U	12 U
1,1,2,2-Tetrachloroethane	UG/KG	31,937.5		600.	12 U	11 U	6 U	11 U	12 U
1,1,2-Trichloroethane	UG/KG	11,206.14			12. U	11 U	6 U	11 U	12 U
1,1-Dichloroethane	UG/KG	7,821,428.571		200.	12 U	11. U	6 U	11 U	12 U
1,1-Dichloroethene	UG/KG	1,064.583		400	12 U	11 U	6 U	11 U	12 U
1,2-Dichloroethane	UG/KG	7,019.231		100.	12 U	11 U	6 U	11 U	12 U
1,2-Dichloroethene (total)	UG/KG				12 U	11 U	6 U	11 U	12 U
1,2-Dichloropropane	UG/KG	9,393.382			12 U	11 U	6 U	11 U	12 U
Acetone	UG/KG	7,821,428.571	34,270.	200.	12. U	11. U	12 U	11 U	12 U
Benzene	UG/KG	22,025.862	247,370	60.	12 U	11 U	6 U	11 U	12 U
Bromodichloromethane	UG/KG	10,302.419			12. U	11 U	6 U	11 U	12 U
Bromoform	UG/KG	80,854.43			12. U	11 U	6 U	11 U	12 U
Carbon disulfide	UG/KG	7,821,428.571	53,000	2,700.	12 U	11 U	6 U	11 U	12 U
Carbon tetrachloride	UG/KG	4,913.462		600	12 U	11 U	6 U	11 U	12 U
Chlorobenzene	UG/KG	1,564,285.714		1,700.	12 U	11. U	6 U	11 U	12 U
Chlorodibromomethane	UG/KG	7,604.167			12 U	11 U	6 U	11 U	12 U
Chloroethane	UG/KG	31,285,714.29		1,900	12 U	11 U	12 U	11 U	12 U
Chloroform	UG/KG	104,713.115	194,610	300	12 U	11 U	6 U	11 U	12 U
Cis-1,3-Dichloropropene	UG/KG				12 U	11 U	6 U	11 U	12 U
Ethyl benzene	UG/KG	7,821,428.571	1,720,290	5,500	12 U	11 U	6 U	11 U	12 U
Methyl Tertbutyl Ether	UG/KG								
Methyl bromide	UG/KG	111,846.429			12 U	11 U	12 U	11 U	12 U
Methyl butyl ketone	UG/KG				12 U	11 U	12 U	11 U	12 U
Methyl chloride	UG/KG	49,134.615			12 U	11 U	12 U	11 U	12 U
Methyl ethyl ketone	UG/KG		421,380	300	12 U	11 U	12 U	11 U	12 U
Methyl isobutyl ketone	UG/KG	6,257,142.857		1,000	12 U	11 U	12 U	11 U	12 U
Methylene chloride	UG/KG	85,166.667	132,030	100	12 U	11 U	6 U	11 U	12 U
Styrene	UG/KG				12 U	11 U	6 U	11 U	12 U
Tetrachloroethene	UG/KG	12,283.654	6,454,550	1,400	12 U	11 U	6 U	11 U	12 U
Toluene	UG/KG	15,642,857.14	1,552,560	1,500	12 U	11 U	6 U	11 U	12 U
Total Xylenes	UG/KG	156,428,571.4	5,642,680.	1,200	12 U	11 U	6 U	11 U	12 U
Trans-1,3-Dichloropropene	UG/KG				12 U	11 U	6 U	11 U	12 U
Trichloroethene	UG/KG	58,068.182		700.	12 U	11 U	6 U	11 U	12 U
Vinyl acetate	UG/KG	78,214,285.71					12. U		
Vinyl chloride	UG/KG	336.184		200	12 U	11 U	12. U	11 U	12 U
HERBICIDES									
2,4,5-T	UG/KG			1,900.					
2,4,5-TP/Silvex	UG/KG			700					
2,4-D	UG/KG			500					
2,4-DB	UG/KG								
Dalapon	UG/KG								
Dicamba	UG/KG		22,600						
Dichloroprop	UG/KG								
Dinoseb	UG/KG								
MCPA	UG/KG								
MCPP	UG/KG		818,180						

				STUDY ID	RI Phase 1 Step 1	RI Phase 1 Step 1	RI Phase 1 Step 1	RI Phase 1 Step 1	RI Phase 1 Step 1
				SITE	OB Grounds	OB Grounds	OB Grounds	OB Grounds	OB Grounds
				LOC ID	GB36	GB36	MW-34	MW-36	MW-36
				LOC TYPE	BACKGROUND	BACKGROUND	BACKGROUND	BACKGROUND	BACKGROUND
				SAMP_ID	GB36-1GRID	GB36-2GRID	2011121MW34GRID	MW36-3GRID	MW36-1GRID
				QC CODE	SA	SA	SA	SA	SA-AVG
				SAMP. DETH TOP	0	2	0	-1	0
				SAMP. DEPTH BOT	2	4	2	-1	2
				MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL
				SAMP. DATE	20-Jan-93	20-Jan-93	20-Nov-91	11-Jan-93	11-Jan-93
PARAMETER	UNIT	Minimum PRG Value	Ecological PRG	NYSDEC TAGM 4046	VALUE Q	VALUE Q	VALUE Q	VALUE Q	VALUE Q
NITROAROMATICS									
1,3,5-Trinitrobenzene	UG/KG	3,910.714			120. U	120. U	120 U	120 U	120 U
1,3-Dinitrobenzene	UG/KG	7,821.429			120 U	120. U	120 U	120 U	120 U
2,4,6-Trinitrotoluene	UG/KG	21,291.667			120. U	120. U	120 U	120 U	120 U
2,4-Dinitrotoluene	UG/KG	156,428.571	5,060		120 U	120 U	120. U	120 U	120 U
2,6-Dinitrotoluene	UG/KG	78,214.286		1,000	120 U	120. U	120 U	120 U	120 U
2-amino-4,6-Dinitrotoluene	UG/KG				120 U	120. U	120 U	120 U	120 U
4-amino-2,6-Dinitrotoluene	UG/KG				120 U	120 U	120. U	120 U	120 U
HMX	UG/KG				120. U	120 U	120 U	120 U	120 U
RDX	UG/KG				120 U	120 U	120 U	120 U	120 U
Tetryl	UG/KG				120 U	120 U	120 U	120 U	120 U
SEMIVOLATILE ORGANICS									
1,2,4-Trichlorobenzene	UG/KG	782,142.857	1,132,060	3,400	390 U	350 U	730 U	350 U	380 U
1,2-Dichlorobenzene	UG/KG	7,039,285.714		7,900	390 U	350 U	730 U	350 U	380 U
1,3-Dichlorobenzene	UG/KG	6,961,071.429		1,600	390 U	350 U	730 U	350 U	380 U
1,4-Dichlorobenzene	UG/KG	26,614.583		8,500	390 U	350 U	730 U	350 U	380 U
2,2'-oxybis(1-Chloropropane)	UG/KG				390 U	350 U	730 U	350 U	380 U
2,4,5-Trichlorophenol	UG/KG	7,821,428.571		100	940 U	840 U	3,500 U	860 U	925 U
2,4,6-Trichlorophenol	UG/KG	58,068.182			390 U	350 U	730 U	350 U	380 U
2,4-Dichlorophenol	UG/KG	234,642.857		400	390 U	350 U	730 U	350 U	380 U
2,4-Dimethylphenol	UG/KG	1,564,285.714			390 U	350 U	730 U	350 U	380 U
2,4-Dinitrophenol	UG/KG	156,428.571		200	940 U	840 U	3,500 U	860 U	925 U
2,4-Dinitrotoluene	UG/KG	156,428.571	5,060		390 U	350 U	730 U	350 U	380 U
2,6-Dinitrotoluene	UG/KG	78,214.286		1,000	390 U	350 U	730 U	350 U	380 U
2-Chloronaphthalene	UG/KG				390 U	350 U	730 U	350 U	380 U
2-Chlorophenol	UG/KG	391,071.429	83,200	800	390 U	350 U	730 U	350 U	380 U
2-Methylnaphthalene	UG/KG		962,620	36,400	390 U	350 U	730 U	350 U	380 U
2-Methylphenol	UG/KG	3,910,714.286		100	390 U	350 U	730 U	350 U	380 U
2-Nitroaniline	UG/KG	4,692.857		430	940 U	840 U	3,500 U	860 U	925 U
2-Nitrophenol	UG/KG			330	390 U	350 U	730 U	350 U	380 U
3,3'-Dichlorobenzidine	UG/KG	1,419.444			390 U	350 U	1,500 U	350 U	380 U
3-Nitroaniline	UG/KG	234,642.857		500	940 U	840 U	3,500 U	860 U	925 U
4,6-Dinitro-2-methylphenol	UG/KG				940 U	840 U	3,500 U	860 U	925 U
4-Bromophenyl phenyl ether	UG/KG	4,536,428.571			390 U	350 U	730 U	350 U	380 U
4-Chloro-3-methylphenol	UG/KG			240	390 U	350 U	730 U	350 U	380 U
4-Chloroaniline	UG/KG	312,857.143		220	390 U	350 U	730 U	350 U	380 U
4-Chlorophenyl phenyl ether	UG/KG				390 U	350 U	730 U	350 U	380 U
4-Methylphenol	UG/KG			900	390 U	350 U	730 U	350 U	380 U
4-Nitroaniline	UG/KG	234,642.857			940 U	840 U	3,500 U	860 U	925 U
4-Nitrophenol	UG/KG	4,692,857.143	18,680	100	940 U	840 U	3,500 U	860 U	925 U
Acenaphthene	UG/KG		2,268,070	50,000	390 U	350 U	730 U	350 U	380 U
Acenaphthylene	UG/KG		33,460	41,000	390 U	350 U	730 U	350 U	380 U
Anthracene	UG/KG	23,464,285.71	1,269,040	50,000	390 U	350 U	730 U	350 U	380 U
Benzo[a]anthracene	UG/KG	875	1,476,040	224	390 U	350 U	730 U	350 U	380 U
Benzo[a]pyrene	UG/KG	87.5	562,720	61	390 U	350 U	730 U	350 U	380 U
Benzo[b]fluoranthene	UG/KG	875	59,750	1,100	390 U	350 U	730 U	350 U	380 U
Benzo[ghi]perylene	UG/KG		76,250	50,000	390 U	350 U	730 U	350 U	380 U
Benzo[k]fluoranthene	UG/KG	8,750	72,640	1,100	390 U	350 U	730 U	350 U	380 U

				STUDY ID	RI Phase 1 Step 1	RI Phase 1 Step 1	RI Phase 1 Step 1	RI Phase 1 Step 1	RI Phase 1 Step 1
				SITE	OB Grounds	OB Grounds	OB Grounds	OB Grounds	OB Grounds
				LOC ID	GB36	GB36	MW-34	MW-36	MW-36
				LOC TYPE	BACKGROUND	BACKGROUND	BACKGROUND	BACKGROUND	BACKGROUND
				SAMP_ID	GB36-1GRID	GB36-2GRID	2011121MW34GRID	MW36-3GRID	MW36-1GRID
				QC CODE	SA	SA	SA	SA	SA-AVG
				SAMP. DETH TOP	0	2	0	-1	0
				SAMP. DEPTH BOT	2	4	2	-1	2
				MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL
				SAMP. DATE	20-Jan-93	20-Jan-93	20-Nov-91	11-Jan-93	11-Jan-93
PARAMETER	UNIT	Minimum PRG Value	Ecological PRG	NYSDEC TAGM 4046	VALUE Q	VALUE Q	VALUE Q	VALUE Q	VALUE Q
Benzoic Acid	UG/KG	312,857,142.9		2,700			3,500 U		
Benzyl alcohol	UG/KG						730 U		
Bis(2-Chloroethoxy)methane	UG/KG				390 U	350 U	730 U	350 U	380 U
Bis(2-Chloroethyl)ether	UG/KG	580.682			390 U	350. U	730 U	350 U	380 U
Bis(2-Chloroisopropyl)ether	UG/KG	9,125							
Bis(2-Ethylhexyl)phthalate	UG/KG	45,625.	39,350.	50,000.	390 U	350 U	730 U	220 J	405 J
Butylbenzylphthalate	UG/KG	15,642,857.14		50,000	390 U	350 U	730 U	350 U	380 U
Carbazole	UG/KG	31,937.5			390. U	350 U		350 U	380 U
Chrysene	UG/KG	87,500.	93,300.	400.	390 U	350. U	730 U	350 U	380 U
Di-n-butylphthalate	UG/KG		94,697,730.	8,100.	390 U	350 U	730 U	350 U	380 U
Di-n-octylphthalate	UG/KG	1,564,285.714		50,000	390. U	350 U	730 U	350 U	380 U
Dibenz[a,h]anthracene	UG/KG	87.5	53,680.	14.	390. U	350 U	730 U	350 U	380 U
Dibenzofuran	UG/KG	312,857.143		6,200	390 U	350 U	730 U	350 U	380 U
Diethyl phthalate	UG/KG	62,571,428.57	7,665,910.	7,100.	390 U	350 U	730 U	350 U	380 U
Dimethylphthalate	UG/KG	782,142,857.1		2,000	390 U	350 U	730 U	350 U	380 U
Fluoranthene	UG/KG	3,128,571.429	7,849,900	50,000	390 U	350 U	730 U	350 U	380 U
Fluorene	UG/KG	3,128,571.429	1,755,510.	50,000.	390 U	350 U	730 U	350 U	380 U
Hexachlorobenzene	UG/KG	399.219		410	390 U	350 U	730 U	350 U	380 U
Hexachlorobutadiene	UG/KG	8,189.103			390 U	350 U	730 U	350 U	380 U
Hexachlorocyclopentadiene	UG/KG	547,500			390 U	350 U	730 U	350 U	380 U
Hexachloroethane	UG/KG	45,625			390 U	350. U	730 U	350 U	380 U
Indeno[1,2,3-cd]pyrene	UG/KG	875	47,630	3,200	390 U	350 U	730 U	350 U	380 U
Isophorone	UG/KG			4,400	390 U	350 U	730 U	350 U	380 U
N-Nitrosodiphenylamine	UG/KG	130,357.143			390 U	350 U	730 U	350 U	380 U
N-Nitrosodipropylamine	UG/KG	817.6	1,454,550		390. U	350 U	730 U	350 U	380 U
Naphthalene	UG/KG	3,128,571.429	149,740	13,000	390 U	350 U	730 U	350 U	380 U
Nitrobenzene	UG/KG	39,107.143		200	390 U	350 U	730 U	350 U	380 U
Pentachlorophenol	UG/KG	5,322.917	1,415,560	1,000	940 U	840 U	3,500 U	860 U	925 U
Phenanthrene	UG/KG		325,820	50,000	390 U	350 U	730 U	350 U	380 U
Phenol	UG/KG	46,928,571.43	79,520	30	390 U	350 U	730 U	350 U	380 U
Pyrene	UG/KG	2,346,428.571	2,420,460	50,000.	390 U	350 U	730 U	350 U	380 U
PESTICIDES/PCBs									
4,4'-DDD	UG/KG	2,661.458	874,990.	2,900	3.9 U	3.5 U	35 U	3.6 U	3.9 U
4,4'-DDE	UG/KG	1,878.676	86,590.	2,100.	3.9 U	3.5 U	35 U	3.6 U	3.9 U
4,4'-DDT	UG/KG	1,878.676	8,870	2,100.	3.9 U	3.5 U	35. U	3.6 U	3.9 U
Aldrin	UG/KG	37.574	2,750	41	2 U	1.8 U	18 U	1.9 U	2 U
Alpha-BHC	UG/KG			110	2 U	1.8 U	18. U	1.9 U	2 U
Alpha-Chlordane	UG/KG		142,090		2 U	1.8 U	180 U	1.9 U	2 U
Aroclor-1016	UG/KG	5,475			39 U	35 U	180 U	36 U	39 U
Aroclor-1221	UG/KG				79 U	71 U	180 U	73 U	78.5 U
Aroclor-1232	UG/KG				39 U	35 U	180 U	36 U	39 U
Aroclor-1242	UG/KG		12,879,550		39 U	35. U	1,400 U	36 U	39 U
Aroclor-1248	UG/KG				39 U	35 U	180 U	36 U	39 U
Aroclor-1254	UG/KG	1,564.286	3,925,000	10,000	39 U	35. U	350. U	36 U	39 U
Aroclor-1260	UG/KG		2,272,730	10,000	39 U	35 U	350 U	36 U	39 U
Beta-BHC	UG/KG		11,060	200.	2 U	1.8 U	18 U	1.9 U	2 U
Delta-BHC	UG/KG			300	2 U	1.8 U	18 U	1.9 U	2 U
Dieldrin	UG/KG	39.922		44	3.9 U	3.5 U	35 U	3.6 U	3.9 U
Endosulfan I	UG/KG	469,285.714	131,820	900	2 U	1.8 U	18 U	1.9 U	2 U

				STUDY ID	RI Phase 1 Step 1	RI Phase 1 Step 1	RI Phase 1 Step 1	RI Phase 1 Step 1	RI Phase 1 Step 1
				SITE	OB Grounds	OB Grounds	OB Grounds	OB Grounds	OB Grounds
				LOC ID	GB36	GB36	MW-34	MW-36	MW-36
				LOC TYPE	BACKGROUND	BACKGROUND	BACKGROUND	BACKGROUND	BACKGROUND
				SAMP_ID	GB36-1GRID	GB36-2GRID	2011121MW34GRID	MW36-3GRID	MW36-1GRID
				QC CODE	SA	SA	SA	SA	SA-AVG
				SAMP_DETH TOP	0	2	0	-1	0
				SAMP_DEPTH BOT	2	4	2	-1	2
				MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL
				SAMP_DATE	20-Jan-93	20-Jan-93	20-Nov-91	11-Jan-93	11-Jan-93
PARAMETER	UNIT	Minimum PRG Value	Ecological PRG	NYSDEC TAGM 4046	VALUE Q	VALUE Q	VALUE Q	VALUE Q	VALUE Q
Endosulfan II	UG/KG	469,285 714		900	3.9 U	3 5 U	35 U	3 6 U	3 9 U
Endosulfan sulfate	UG/KG		15,820	1,000	3.9 U	3 5 U	35 U	3 6 U	3 9 U
Endrin aldehyde	UG/KG	23,464 286	6,350		3.9 U	3 5 U		3 6 U	3 9 U
Endrin ketone	UG/KG	23,464 286	6,350		3.9 U	3 5 U	35 U	3 6 U	3 9 U
Endrin	UG/KG	23,464.286	240,910	100	3.9 U	3 5 U	35 U	3 6 U	3 9 U
Gamma-BHC/Lindane	UG/KG	491 346		60	2 U	1 8 U	18 U	1 9 U	2 U
Gamma-Chlordane	UG/KG		47,360	540	2 U	1.8 U	180 U	1.9 U	2 U
Heptachlor epoxide	UG/KG	70 192	10	20	2 U	1.8 U	18 U	1 9 U	2 U
Heptachlor	UG/KG	141 944	28,620	100	2 U	1 8 U	18 U	1.9 U	2 U
Methoxychlor	UG/KG	391,071 429			20 U	18 U	180 U	19 U	20 U
Toxaphene	UG/KG				200 U	180 U	350 U	190 U	200 U
METALS									
Aluminum	UG/KG	78,214,285 71		19,520,000	18,100,000	16,200,000	16,100,000	12,700,000	17,900,000
Antimony	UG/KG	31,285 714	18,437,230	6,000	5,900 J	5,800 UJ	5,700 J	5,700 UJ	6 400 UJ
Arsenic	UG/KG	425 833	223,670	8,900	4,600	9,700	6,300 U	2,900 J	5,300 J
Barium	UG/KG	5,475,000	91,840	300,000	74,800	50,800	67,500	46,900 J	106,800 J
Beryllium	UG/KG	148 547	6,570	1,130	770	650	860	590	875
Cadmium	UG/KG	39,107 143	737,770	2,460	300 U	330 U	2,300	330 U	365 U
Calcium	UG/KG			125,300,000	1,660,000	22,900,000	28,600,000	4,170,000	14,760,000
Chromium	UG/KG	78,214,285 71	850,430	30,000	24,800	27,400	26,600	23,300 J	26,200 J
Cobalt	UG/KG	4,692,857 143		30,000	20,400	13,200	17,000	18,600	10,900
Copper	UG/KG	3,128,571 429	827,810	33,000	17,700	17,500	32,700	19,200 J	28,550 J
Cyanide	UG/KG		13,636,360	350	700 U	680 U	540 U	560 U	580 U
Iron	UG/KG	23,464,285 71		37,410,000	26,100,000	30,700,000	35,000,000	27,500,000	33,250,000
Lead	UG/KG		181,460	24,400	12,700	6,200	11,900	20,200	15,200
Magnesium	UG/KG			21,700,000	4,490,000	7,150,000	6,850,000	5,750,000	5,930,000
Manganese	UG/KG	1,798,928 571	8,821,860	1,100,000	426,000	507,000	803,000	540,000	459,500
Mercury	UG/KG	23,464 286	1,710	100	20 J	20 J	70 R	20 J	55 J
Nickel	UG/KG	1,564,285 714	2,833,820	50,000	28,300	42,800	49,300 J	43,300 J	37,150 J
Potassium	UG/KG			2,623,000	1,400,000	1,100,000	1,290,000	754,000	1,285,000
Selenium	UG/KG	391,071 429	193,140	2,000	200 UJ	180 UJ	180 UJ	190 UJ	205 UJ
Silver	UG/KG	391,071 429		800	310 U	340 U	870 J	340 U	285 J
Sodium	UG/KG			188,000	46,600 J	97,600 J	55,200 J	31,600 U	36,900 J
Thallium	UG/KG	6,257 143		855	460 U	430 U	510 U	450 U	490 U
Vanadium	UG/KG	547,500		150,000	27,800	19,700	22,300	16,200 J	30,000 J
Zinc	UG/KG	23,464,285 71		115,000	59,200	74,100	95,700	34,700 J	76,800 J
OTHER ANALYSES									
Fluoride	UG/KG	4,692,857 143							
Nitrate/Nitrite	UG/KG								
Total Petroleum Hydrocarbon	UG/KG								

				STUDY ID	ESI	ESI	ESI	ESI	ESI
				SITE	SEAD-11	SEAD-11	SEAD-11	SEAD-13	SEAD-13
				LOC ID	MW11-1	MW11-1	MW11-1	MW13-1	MW13-1
				LOC TYPE	BACKGROUND	BACKGROUND	BACKGROUND	BACKGROUND	BACKGROUND
				SAMP_ID	SB11-3-1	SB11-3-2	SB11-3-6	SB13-1-1	SB13-1-3
				QC CODE	SA	SA	SA	SA	SA
				SAMP DETH TOP	0	2	10	0	6
				SAMP DEPTH BOT	2	4	12	2	8
				MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL
				SAMP DATE	02-Nov-93	02-Nov-93	03-Nov-93	08-Dec-93	08-Dec-93
PARAMETER	UNIT	Minimum PRG Value	Ecological PRG	NYSDEC TAGM 4046	VALUE Q	VALUE Q	VALUE Q	VALUE Q	VALUE Q
VOLATILE ORGANICS									
1,1,1-Trichloroethane	UG/KG	2,737,500	957,110	800.	12 U	11 U	11 U	12 U	11 UJ
1,1,2,2-Tetrachloroethane	UG/KG	31,937.5		600	12 U	11 U	11 U	12 U	11 UJ
1,1,2-Trichloroethane	UG/KG	11,206 14			12 U	11 U	11 U	12 U	11 UJ
1,1-Dichloroethane	UG/KG	7,821,428 571		200	12 U	11 U	11 U	12 U	11 UJ
1,1-Dichloroethene	UG/KG	1,064 583		400.	12 U	11 U	11 U	12 U	11 UJ
1,2-Dichloroethane	UG/KG	7,019 231		100	12 U	11 U	11 U	12 U	11 UJ
1,2-Dichloroethene (total)	UG/KG				12 U	11 U	11 U	12 U	11 UJ
1,2-Dichloropropane	UG/KG	9,393 382			12 U	11 U	11 U	12 U	11 UJ
Acetone	UG/KG	7,821,428.571	34,270	200.	12 U	11 U	11 U	12 U	13 UJ
Benzene	UG/KG	22,025 862	247,370	60	12 U	11 U	11 U	12 U	11 UJ
Bromodichloromethane	UG/KG	10,302 419			12 U	11 U	11 U	12 U	11 UJ
Bromoform	UG/KG	80,854 43			12 U	11 U	11 U	12 U	11 UJ
Carbon disulfide	UG/KG	7,821,428 571	53,000	2,700	12 U	11 U	11 U	12 U	11 UJ
Carbon tetrachloride	UG/KG	4,913 462		600	12 U	11 U	11 U	12 U	11 UJ
Chlorobenzene	UG/KG	1,564,285 714		1,700	12 U	11 U	11 U	12 U	11 UJ
Chlorodibromomethane	UG/KG	7,604 167			12 U	11 U	11 U	12 U	11 UJ
Chloroethane	UG/KG	31,285,714 29		1,900	12 U	11 U	11 U	12 U	11 UJ
Chloroform	UG/KG	104,713 115	194,610	300	12 U	11 U	11 U	12 U	11 UJ
Cis-1,3-Dichloropropene	UG/KG				12 U	11 U	11 U	12 U	11 UJ
Ethyl benzene	UG/KG	7,821,428 571	1,720,290	5,500	12 U	11 U	11 U	12 U	11 UJ
Methyl Tertbutyl Ether	UG/KG								
Methyl bromide	UG/KG	111,846 429			12 U	11 U	11 U	12 U	11 UJ
Methyl butyl ketone	UG/KG				12 U	11 U	11 U	12 U	11 UJ
Methyl chloride	UG/KG	49,134 615			12 U	11 U	11 U	12 U	11 UJ
Methyl ethyl ketone	UG/KG		421,380	300	12 U	11 U	11 U	12 U	11 UJ
Methyl isobutyl ketone	UG/KG	6,257,142 857		1,000	12 U	11 U	11 U	12 U	11 UJ
Methylene chloride	UG/KG	85,166 667	132,030	100	12 U	11 U	11 U	12 U	2 J
Styrene	UG/KG				12 U	11 U	11 U	12 U	11 UJ
Tetrachloroethene	UG/KG	12,283 654	6,454,550	1,400.	12 U	11 U	11 U	12 U	11 UJ
Toluene	UG/KG	15,642,857 14	1,552,560.	1,500.	12 U	2 J	3 J	12 U	11 UJ
Total Xylenes	UG/KG	156,428,571 4	5,642,680	1,200.	12 U	11 U	11 U	12 U	11 UJ
Trans-1,3-Dichloropropene	UG/KG				12 U	11 U	11 U	12 U	11 UJ
Trichloroethene	UG/KG	58,068 182		700	12 U	11 U	11 U	12 U	11 UJ
Vinyl acetate	UG/KG	78,214,285.71							
Vinyl chloride	UG/KG	336 184		200	12 U	11 U	11 U	12 U	11 UJ
HERBICIDES									
2,4,5-T	UG/KG			1,900	6.2 U	5.6 U	5.4 U	6.1 U	5.5 U
2,4,5-TP/Silvex	UG/KG			700	6.2 U	5.6 U	5.4 U	6.1 U	5.5 U
2,4-D	UG/KG			500	62. U	56 U	54 U	61 U	55 U
2,4-DB	UG/KG				62. U	56 U	54 U	61 U	55 U
Dalapon	UG/KG				150 U	140. U	130 U	150 U	130 U
Dicamba	UG/KG		22,600		6.2 U	5.6 U	5.4 U	6.1 U	5.5 U
Dichloroprop	UG/KG				62 U	56 U	54 U	61 U	55 U
Dinoseb	UG/KG				31 U	28. U	27 U	31 U	28 U
MCPA	UG/KG				6,200 U	5,600 U	5,400 U	6,100 U	5,500 U
MCPP	UG/KG		818,180		6,200 U	5,600. U	5,400 U	6,100 U	5,500 U

				STUDY ID	ESI	ESI	ESI	ESI	ESI
				SITE	SEAD-11	SEAD-11	SEAD-11	SEAD-13	SEAD-13
				LOC ID	MW11-1	MW11-1	MW11-1	MW13-1	MW13-1
				LOC TYPE	BACKGROUND	BACKGROUND	BACKGROUND	BACKGROUND	BACKGROUND
				SAMP_ID	SB11-3-1	SB11-3-2	SB11-3-6	SB13-1-1	SB13-1-3
				QC CODE	SA	SA	SA	SA	SA
				SAMP_DETH TOP	0	2	10	0	6
				SAMP_DEPTH BOT	2	4	12	2	8
				MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL
				SAMP. DATE.	02-Nov-93	02-Nov-93	03-Nov-93	08-Dec-93	08-Dec-93
PARAMETER	UNIT	Minimum PRG Value	Ecological PRG	NYSDEC TAGM 4046	VALUE Q	VALUE Q	VALUE Q	VALUE Q	VALUE Q
NITROAROMATICS									
1,3,5-Trinitrobenzene	UG/KG	3,910 714			130 U	130 U	130 U		
1,3-Dinitrobenzene	UG/KG	7,821 429			130 U	130 U	130 U		
2,4,6-Trinitrotoluene	UG/KG	21,291 667			130 U	130 U	130 U		
2,4-Dinitrotoluene	UG/KG	156,428 571	5,060		130 U	130 U	130 U		
2,6-Dinitrotoluene	UG/KG	78,214 286		1,000	130 U	130 U	130 U		
2-amino-4,6-Dinitrotoluene	UG/KG				130 U	130 U	130 U		
4-amino-2,6-Dinitrotoluene	UG/KG				130 U	130 U	130 U		
HMX	UG/KG				130 U	130 U	130 U		
RDX	UG/KG				130 U	130 U	130 U		
Tetryl	UG/KG				130 U	130 U	130 U		
SEMIVOLATILE ORGANICS									
1,2,4-Trichlorobenzene	UG/KG	782,142 857	1,132,060	3,400	410 U	370 UR	350 UR	400 U	360 U
1,2-Dichlorobenzene	UG/KG	7,039,285 714		7,900	410 U	370 UR	350 UR	400 U	360 U
1,3-Dichlorobenzene	UG/KG	6,961,071 429		1,600	410 U	370 UR	350 UR	400 U	360 U
1,4-Dichlorobenzene	UG/KG	26,614 583		8,500	410 U	370 UR	350 UR	400 U	360 U
2,2'-oxybis(1-Chloropropane)	UG/KG				410 U	370 UR	350 UR	400 U	360 U
2,4,5-Trichlorophenol	UG/KG	7,821,428 571		100	990 U	890 UR	860 UR	980 U	870 U
2,4,6-Trichlorophenol	UG/KG	58 068 182			410 U	370 UR	350 UR	400 U	360 U
2,4-Dichlorophenol	UG/KG	234,642 857		400	410 U	370 UR	350 UR	400 U	360 U
2,4-Dimethylphenol	UG/KG	1,564,285 714			410 U	370 UR	350 UR	400 U	360 U
2,4-Dinitrophenol	UG/KG	156,428 571		200	990 U	890 UR	860 UR	980 U	870 U
2,4-Dinitrotoluene	UG/KG	156,428 571	5,060		410 U	370 UR	350 UR	400 U	360 U
2,6-Dinitrotoluene	UG/KG	78,214 286		1,000	410 U	370 UR	350 UR	400 U	360 U
2-Chloronaphthalene	UG/KG				410 U	370 UR	350 UR	400 U	360 U
2-Chlorophenol	UG/KG	391,071 429	83,200	800	410 U	370 UR	350 UR	400 U	360 U
2-Methylnaphthalene	UG/KG		962,620	36,400	410 U	370 UR	350 UR	400 U	360 U
2-Methylphenol	UG/KG	3,910,714 286		100	410 U	370 UR	350 UR	400 U	360 U
2-Nitroaniline	UG/KG	4,692 857		430	990 U	890 UR	860 UR	980 U	870 U
2-Nitrophenol	UG/KG			330	410 U	370 UR	350 UR	400 U	360 U
3,3'-Dichlorobenzidine	UG/KG	1,419 444			410 U	370 UR	350 UR	400 U	360 U
3-Nitroaniline	UG/KG	234,642 857		500	990 U	890 UR	860 UR	980 U	870 U
4,6-Dinitro-2-methylphenol	UG/KG				990 U	890 UR	860 UR	980 U	870 U
4-Bromophenyl phenyl ether	UG/KG	4,536,428 571			410 U	370 UR	350 UR	400 U	360 U
4-Chloro-3-methylphenol	UG/KG			240	410 U	370 UR	350 UR	400 U	360 U
4-Chloroaniline	UG/KG	312,857 143		220	410 U	370 UR	350 UR	400 U	360 U
4-Chlorophenyl phenyl ether	UG/KG				410 U	370 UR	350 UR	400 U	360 U
4-Methylphenol	UG/KG			900	410 U	370 UR	350 UR	400 U	360 U
4-Nitroaniline	UG/KG	234,642 857			990 U	890 UR	860 UR	980 U	870 U
4-Nitrophenol	UG/KG	4,692,857 143	18,680	100	990 U	890 UR	860 UR	980 U	870 U
Acenaphthene	UG/KG		2,268,070	50,000	410 U	370 UR	350 UR	400 U	360 U
Acenaphthylene	UG/KG		33,460	41,000	410 U	370 UR	350 UR	400 U	360 U
Anthracene	UG/KG	23,464,285 71	1,269,040	50,000	410 U	370 UR	350 UR	400 U	360 U
Benzo[a]anthracene	UG/KG	875	1,476,040	224	410 U	370 UR	350 UR	400 U	360 U
Benzo[a]pyrene	UG/KG	87 5	562,720	61	410 U	370 UR	350 UR	400 U	360 U
Benzo[b]fluoranthene	UG/KG	875	59,750	1,100	410 U	370 UR	350 UR	400 U	360 U
Benzo[ghi]perylene	UG/KG		76,250	50,000	410 U	370 UR	350 UR	400 U	360 U
Benzo[k]fluoranthene	UG/KG	8,750	72,640	1,100	410 U	370 UR	350 UR	400 U	360 U

				STUDY ID	ESI	ESI	ESI	ESI	ESI
				SITE	SEAD-11	SEAD-11	SEAD-11	SEAD-13	SEAD-13
				LOC ID	MW11-1	MW11-1	MW11-1	MW13-1	MW13-1
				LOC TYPE	BACKGROUND	BACKGROUND	BACKGROUND	BACKGROUND	BACKGROUND
				SAMP_ID.	SB11-3-1	SB11-3-2	SB11-3-6	SB13-1-1	SB13-1-3
				QC CODE	SA	SA	SA	SA	SA
				SAMP DETH TOP	0	2	10	0	6
				SAMP DEPTH BOT	2	4	12	2	8
				MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL
				SAMP DATE:	02-Nov-93	02-Nov-93	03-Nov-93	08-Dec-93	08-Dec-93
PARAMETER	UNIT	Minimum PRG Value	Ecological PRG	NYSDEC TAGM 4046	VALUE Q	VALUE Q	VALUE Q	VALUE Q	VALUE Q
Benzoic Acid	UG/KG	312,857,142 9		2,700					
Benzyl alcohol	UG/KG								
Bis(2-Chloroethoxy)methane	UG/KG				410 U	370 UR	350 UR	400 U	360 U
Bis(2-Chloroethyl)ether	UG/KG	580 682			410 U	370 UR	350 UR	400 U	360 U
Bis(2-Chloroisopropyl)ether	UG/KG	9,125							
Bis(2-Ethylhexyl)phthalate	UG/KG	45,625	39,350.	50,000.	740 U	480 UR	350 UR	400 U	360 U
Butylbenzylphthalate	UG/KG	15,642,857 14		50,000	410 U	370 UR	350 UR	400 U	360 U
Carbazole	UG/KG	31,937.5			410 U	370 UR	350 UR	400 U	360 U
Chrysene	UG/KG	87,500	93,300.	400	410. U	370 UR	350 UR	400 U	360 U
Di-n-butylphthalate	UG/KG		94,697,730.	8,100.	410 U	370 UR	350 UR	400 U	360 U
Di-n-octylphthalate	UG/KG	1,564,285 714		50,000.	410 U	370 UR	350 UR	210 J	360 U
Dibenz[a,h]anthracene	UG/KG	87 5	53,680	14.	410 U	370 UR	350 UR	400 U	360 U
Dibenzofuran	UG/KG	312,857.143		6,200	410 U	370 UR	350 UR	400 U	360 U
Diethyl phthalate	UG/KG	62,571,428 57	7,665,910.	7,100	410 U	370 UR	350 UR	400 U	360 U
Dimethylphthalate	UG/KG	782,142,857 1		2,000	410 U	370 UR	350 UR	400 U	360 U
Fluoranthene	UG/KG	3,128,571 429	7,849,900	50,000	410 U	370 UR	350 UR	400 U	360 U
Fluorene	UG/KG	3,128,571 429	1,755,510	50,000	410 U	370 UR	350 UR	400 U	360 U
Hexachlorobenzene	UG/KG	399 219		410	410. U	370 UR	350 UR	400 U	360 U
Hexachlorobutadiene	UG/KG	8,189 103			410 U	370 UR	350 UR	400 U	360 U
Hexachlorocyclopentadiene	UG/KG	547,500			410 U	370 UR	350 UR	400 U	360 U
Hexachloroethane	UG/KG	45,625			410 U	370 UR	350 UR	400 U	360 U
Indeno[1,2,3-cd]pyrene	UG/KG	875	47,630	3,200	410 U	370 UR	350 UR	400 U	360 U
Isophorone	UG/KG			4,400	410 U	370 UR	350 UR	400 U	360 U
N-Nitrosodiphenylamine	UG/KG	130,357 143			410 U	370 UR	350 UR	400 U	360 U
N-Nitrosodipropylamine	UG/KG	817 6	1,454,550		410 U	370 UR	350 UR	400 U	360 U
Naphthalene	UG/KG	3,128,571 429	149,740	13,000	410 U	370 UR	350 UR	400 U	360 U
Nitrobenzene	UG/KG	39,107 143		200	410 U	370 UR	350 UR	400 U	360 U
Pentachlorophenol	UG/KG	5,322 917	1,415,560	1,000	990 U	890 UR	860 UR	980 U	870 U
Phenanthrene	UG/KG		325,820	50,000	410 U	370 UR	350 UR	400 U	360 U
Phenol	UG/KG	46,928,571 43	79,520	30	410. U	370 UR	350 UR	400 U	360 U
Pyrene	UG/KG	2,346,428 571	2,420,460.	50,000	410 U	370 UR	350 UR	400 U	360 U
PESTICIDES/PCBs									
4,4`-DDD	UG/KG	2,661 458	874,990	2,900.	4 1 U	3 7 U	3 6 U	4 U	3 6 U
4,4`-DDE	UG/KG	1,878 676	86,590.	2,100.	4 1 U	3.7 U	3.6 U	4 U	3 6 U
4,4`-DDT	UG/KG	1,878 676	8,870.	2,100.	4.1 U	35 U	30. U	4 U	3 6 U
Aldrin	UG/KG	37 574	2,750.	41	21 U	18 U	15 U	2 1 U	1 8 U
Alpha-BHC	UG/KG			110	2.1 U	1 9 U	1.8 U	2 1 U	1 8 U
Alpha-Chlordane	UG/KG		142,090		2.1 U	1 9 U	1.8 U	2 1 U	1 8 U
Aroclor-1016	UG/KG	5,475			41 U	37 U	36. U	40 U	36 U
Aroclor-1221	UG/KG				83 U	75 U	73. U	82 U	73 U
Aroclor-1232	UG/KG				41 U	37 U	36. U	40 U	36 U
Aroclor-1242	UG/KG		12,879,550		41 U	37. U	36 U	40 U	36 U
Aroclor-1248	UG/KG				41 U	37. U	36 U	40 U	36 U
Aroclor-1254	UG/KG	1,564 286	3,925,000.	10,000	41 U	37. U	36 U	40 U	36 U
Aroclor-1260	UG/KG		2,272,730	10,000	41 U	37 U	36 U	40 U	36 U
Beta-BHC	UG/KG		11,060	200	2 1 U	1 9 U	1.8 U	2 1 U	1 8 U
Delta-BHC	UG/KG			300	2.1 U	1 9 U	1 8 U	2 1 U	1 8 U
Dieldrin	UG/KG	39 922		44	41 U	36 U	30 U	4 U	3 6 U
Endosulfan I	UG/KG	469,285 714	131,820	900	2 1 U	1 9 U	1 8 U	2 1 U	1 8 U

				STUDY ID	ESI	ESI	ESI	ESI	ESI
				SITE	SEAD-11	SEAD-11	SEAD-11	SEAD-13	SEAD-13
				LOC ID	MW11-1	MW11-1	MW11-1	MW13-1	MW13-1
				LOC TYPE	BACKGROUND	BACKGROUND	BACKGROUND	BACKGROUND	BACKGROUND
				SAMP_ID	SB11-3-1	SB11-3-2	SB11-3-6	SB13-1-1	SB13-1-3
				QC CODE	SA	SA	SA	SA	SA
				SAMP. DETH TOP	0	2	10	0	6
				SAMP. DEPTH BOT	2	4	12	2	8
				MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL
				SAMP. DATE	02-Nov-93	02-Nov-93	03-Nov-93	08-Dec-93	08-Dec-93
PARAMETER	UNIT	Minimum PRG Value	Ecological PRG	NYSDEC TAGM 4046	VALUE Q	VALUE Q	VALUE Q	VALUE Q	VALUE Q
Endosulfan II	UG/KG	469,285.714		900	4.1 U	3.7 U	3.6 U	4 U	3.6 U
Endosulfan sulfate	UG/KG		15,820.	1,000	4.1 U	3.7 U	3.6 U	4 U	3.6 U
Endrin aldehyde	UG/KG	23,464.286	6,350.		4.1 U	3.7 U	3.6 U	4 U	3.6 U
Endrin ketone	UG/KG	23,464.286	6,350.		4.1 U	3.7 U	3.6 U	4 U	3.6 U
Endrin	UG/KG	23,464.286	240,910.	100	43 U	37. U	31 U	4 U	3.6 U
Gamma-BHC/Lindane	UG/KG	491.346		60	21 U	18 U	15. U	2.1 U	1.8 U
Gamma-Chlordane	UG/KG		47,360.	540	2.1 U	1.9 U	1.8 U	2.1 U	1.8 U
Heptachlor epoxide	UG/KG	70.192	10.	20	2.1 U	1.9 U	1.8 U	2.1 U	1.8 U
Heptachlor	UG/KG	141.944	28,620.	100	20. U	17. U	15 U	2.1 U	1.8 U
Methoxychlor	UG/KG	391,071.429			21. U	19. U	18 U	21. U	18 U
Toxaphene	UG/KG				210 U	190 U	180. U	210 U	180 U
METALS									
Aluminum	UG/KG	78,214,285.71		19,520,000	17,600,000	6,330,000	10,900,000	18,300,000	8,250,000
Antimony	UG/KG	31,285.714	18,437,230.	6,000	10,800 UJ	8,000 UJ	7,600 UJ	5,100 J	3,700 UJ
Arsenic	UG/KG	425.833	223,670.	8,900	5,600 R	3,400 R	6,000 R	7,000	6,200
Barium	UG/KG	5,475,000.	91,840.	300,000	113,000	57,400.	62,700	106,000	88,100
Beryllium	UG/KG	148.547	6,570.	1,130	850 J	340 J	470 J	920 J	420 J
Cadmium	UG/KG	39,107.143	737,770.	2,460	670 U	500 U	480 U	450 U	360 U
Calcium	UG/KG			125,300,000	4,950,000	91,300,000.	48,600,000	3,570,000	87,700,000
Chromium	UG/KG	78,214,285.71	850,430.	30,000	24,000	11,100	18,600	29,400	13,300
Cobalt	UG/KG	4,692,857.143		30,000	11,300	6,500 J	10,100	12,000	7,200 J
Copper	UG/KG	3,128,571.429	827,810.	33,000	20,000	12,200	21,700	11,600	18,400
Cyanide	UG/KG		13,636,360.	350	570. U	470 U	530 U	610 U	500 U
Iron	UG/KG	23,464,285.71		37,410,000	27,200,000	13,200,000	28,300,000	32,500,000	17,400,000
Lead	UG/KG		181,460.	24,400	27,900	11,400	10,100	15,000 R	9,000 R
Magnesium	UG/KG			21,700,000	4,160,000	12,900,000	10,100,000	5,890,000	20,800,000
Manganese	UG/KG	1,798,928.571	8,821,860.	1,100,000	674,000.	356,000	434,000	451,000	517,000
Mercury	UG/KG	23,464.286	1,710.	100	50 J	40 U	30 U	30 J	70 J
Nickel	UG/KG	1,564,285.714	2,833,820.	50,000	28,300.	16,700	29,500	34,900	24,000
Potassium	UG/KG			2,623,000	2,110,000	1,110,000	1,230,000	2,190,000	1,390,000
Selenium	UG/KG	391,071.429	193,140.	2,000	240. J	130 UJ	210 UJ	260 J	560 J
Silver	UG/KG	391,071.429		800	1,400. UJ	1,000 UJ	970 UJ	900 U	710 U
Sodium	UG/KG			188,000.	66,300 J	136,000 J	146,000 J	80,600 J	155,000 J
Thallium	UG/KG	6,257.143		855	190 U	1,500 U	230 U	430 J	430 J
Vanadium	UG/KG	547,500		150,000	31,800	13,300.	17,000.	32,700	13,300
Zinc	UG/KG	23,464,285.71		115,000	83,200 R	65,000 R	77,300. R	81,900.	56,200
OTHER ANALYSES									
Fluoride	UG/KG	4,692,857.143						68,000	55,000
Nitrate/Nitrite	UG/KG				470.	270	50	100	20
Total Petroleum Hydrocarbon	UG/KG				64,000	65,000	67,000		

				STUDY ID	ESI	ESI	ESI	ESI	ESI
				SITE	SEAD-13	SEAD-13	SEAD-13	SEAD-13	SEAD-17
				LOC ID	MW13-1	MW13-6	MW13-6	MW13-6	MW17-1
				LOC TYPE	BACKGROUND	BACKGROUND	BACKGROUND	BACKGROUND	BACKGROUND
				SAMP_ID	SB13-1-4	SB13-6-1	SB13-6-3	SB13-6-4	SB17-1-2
				QC CODE	SA	SA	SA	SA	SA
				SAMP DETH TOP	8	0	4	6	2
				SAMP DEPTH BOT	10	2	6	8	4
				MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL
				SAMP DATE	08-Dec-93	15-Dec-93	15-Dec-93	15-Dec-93	01-Dec-93
PARAMETER	UNIT	Minimum PRG Value	Ecological PRG	NYSDEC TAGM 4046	VALUE Q	VALUE Q	VALUE Q	VALUE Q	VALUE Q
VOLATILE ORGANICS									
1,1,1-Trichloroethane	UG/KG	2,737,500	957,110	800	11 UR	13 U	11 U	11 U	12 U
1,1,2,2-Tetrachloroethane	UG/KG	31,937.5		600	11 UR	13 U	11 U	11 U	12 U
1,1,2-Trichloroethane	UG/KG	11,206.14			11 UR	13 U	11 U	11 U	12 U
1,1-Dichloroethane	UG/KG	7,821,428.571		200	11 UR	13 U	11 U	11 U	12 U
1,1-Dichloroethene	UG/KG	1,064.583		400	11 UR	13 U	11 U	11 U	12 U
1,2-Dichloroethane	UG/KG	7,019.231		100	11 UR	13 U	11 U	11 U	12 U
1,2-Dichloroethene (total)	UG/KG				11 UR	13 U	11 U	11 U	12 U
1,2-Dichloropropane	UG/KG	9,393.382			11 UR	13 U	11 U	11 U	12 U
Acetone	UG/KG	7,821,428.571	34,270	200	15 UR	86	11 U	11 U	12 U
Benzene	UG/KG	22,025.862	247,370	60	11 UR	13 U	11 U	11 U	12 U
Bromodichloromethane	UG/KG	10,302.419			11 UR	13 U	11 U	11 U	12 U
Bromoform	UG/KG	80,854.43			11 UR	13 U	11 U	11 U	12 U
Carbon disulfide	UG/KG	7,821,428.571	53,000	2,700	2 J	13 U	11 U	11 U	12 U
Carbon tetrachloride	UG/KG	4,913.462		600	11 UR	13 U	11 U	11 U	12 U
Chlorobenzene	UG/KG	1,564,285.714		1,700	11 UR	13 U	11 U	11 U	12 U
Chlorodibromomethane	UG/KG	7,604.167			11 UR	13 U	11 U	11 U	12 U
Chloroethane	UG/KG	31,285,714.29		1,900	11 UR	13 U	11 U	11 U	12 U
Chloroform	UG/KG	104,713.115	194,610	300	11 UR	13 U	11 U	11 U	12 U
Cis-1,3-Dichloropropene	UG/KG				11 UR	13 U	11 U	11 U	12 U
Ethyl benzene	UG/KG	7,821,428.571	1,720,290	5,500	11 UR	13 U	11 U	11 U	12 U
Methyl Tertbutyl Ether	UG/KG								
Methyl bromide	UG/KG	111,846.429			11 UR	13 U	11 U	11 U	12 U
Methyl butyl ketone	UG/KG				11 UR	13 U	11 U	11 U	12 U
Methyl chloride	UG/KG	49,134.615			11 UR	13 U	11 U	11 U	12 U
Methyl ethyl ketone	UG/KG		421,380	300	11 UR	26	11 U	11 U	12 U
Methyl isobutyl ketone	UG/KG	6,257,142.857		1,000	11 UR	13 U	11 U	11 U	12 U
Methylene chloride	UG/KG	85,166.667	132,030	100	4 J	13 U	11 U	11 U	12 U
Styrene	UG/KG				11 UR	13 U	11 U	11 U	12 U
Tetrachloroethene	UG/KG	12,283.654	6,454,550	1,400	11 UR	13 U	11 U	11 U	12 U
Toluene	UG/KG	15,642,857.14	1,552,560	1,500	11 UR	13 U	11 U	11 U	12 U
Total Xylenes	UG/KG	156,428,571.4	5,642,680	1,200	11 UR	13 U	11 U	11 U	12 U
Trans-1,3-Dichloropropene	UG/KG				11 UR	13 U	11 U	11 U	12 U
Trichloroethene	UG/KG	58,068.182		700	11 UR	13 U	11 U	11 U	12 U
Vinyl acetate	UG/KG	78,214,285.71							
Vinyl chloride	UG/KG	336.184		200	11 UR	13 U	11 U	11 U	12 U
HERBICIDES									
2,4,5-T	UG/KG			1,900	5.4 U	6.3 U	5.6 U	5.4 U	5.8 U
2,4,5-TP/Silvex	UG/KG			700	5.4 U	6.3 U	5.6 U	5.4 U	5.8 U
2,4-D	UG/KG			500	54 U	63 U	56 U	54 U	58 U
2,4-DB	UG/KG				54 U	63 U	56 U	54 U	58 U
Dalapon	UG/KG				130 U	150 U	140 U	130 U	140 U
Dicamba	UG/KG		22,600		5.4 U	6.3 U	5.6 U	5.4 U	5.8 U
Dichloroprop	UG/KG				54 U	63 U	56 U	54 U	58 U
Dinoseb	UG/KG				27 U	32 U	28 U	27 U	29 U
MCPA	UG/KG				5,400 U	6,300 U	5,600 U	5,400 U	5,800 U
MCPP	UG/KG		818,180		5,400 U	6,300 U	5,600 U	5,400 U	5,800 U

				STUDY ID	ESI	ESI	ESI	ESI	ESI
				SITE	SEAD-13	SEAD-13	SEAD-13	SEAD-13	SEAD-17
				LOC ID	MW13-1	MW13-6	MW13-6	MW13-6	MW17-1
				LOC TYPE	BACKGROUND	BACKGROUND	BACKGROUND	BACKGROUND	BACKGROUND
				SAMP_ID	SB13-1-4	SB13-6-1	SB13-6-3	SB13-6-4	SB17-1-2
				QC CODE	SA	SA	SA	SA	SA
				SAMP_DETH TOP	8	0	4	6	2
				SAMP_DEPTH BOT	10	2	6	8	4
				MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL
				SAMP_DATE	08-Dec-93	15-Dec-93	15-Dec-93	15-Dec-93	01-Dec-93
PARAMETER	UNIT	Minimum PRG Value	Ecological PRG	NYSDEC TAGM 4046	VALUE Q	VALUE Q	VALUE Q	VALUE Q	VALUE Q
NITROAROMATICS									
1,3,5-Trinitrobenzene	UG/KG	3,910 714							130 U
1,3-Dinitrobenzene	UG/KG	7,821 429							130 U
2,4,6-Trinitrotoluene	UG/KG	21,291 667							130 U
2,4-Dinitrotoluene	UG/KG	156,428 571	5,060						130 U
2,6-Dinitrotoluene	UG/KG	78,214 286		1,000					130 U
2-amino-4,6-Dinitrotoluene	UG/KG								130 U
4-amino-2,6-Dinitrotoluene	UG/KG								130 U
HMX	UG/KG								130 U
RDX	UG/KG								130 U
Tetryl	UG/KG								130 U
SEMIVOLATILE ORGANICS									
1,2,4-Trichlorobenzene	UG/KG	782,142 857	1,132,060	3,400	350 U	410 U	370 U	350 U	380 U
1,2-Dichlorobenzene	UG/KG	7,039,285 714		7,900	350 U	410 U	370 U	350 U	380 U
1,3-Dichlorobenzene	UG/KG	6,961,071 429		1,600	350 U	410 U	370 U	350 U	380 U
1,4-Dichlorobenzene	UG/KG	26,614 583		8,500	350 U	410 U	370 U	350 U	380 U
2,2'-oxybis(1-Chloropropane)	UG/KG				350 U	410 U	370 U	350 U	380 U
2,4,5-Trichlorophenol	UG/KG	7,821,428 571		100	860 U	990 U	890 U	860 U	920 U
2,4,6-Trichlorophenol	UG/KG	58,068 182			350 U	410 U	370 U	350 U	380 U
2,4-Dichlorophenol	UG/KG	234,642 857		400	350 U	410 U	370 U	350 U	380 U
2,4-Dimethylphenol	UG/KG	1,564,285 714			350 U	410 U	370 U	350 U	380 U
2,4-Dinitrophenol	UG/KG	156,428 571		200	860 U	990 U	890 U	860 U	920 U
2,4-Dinitrotoluene	UG/KG	156,428 571	5,060		350 U	410 U	370 U	350 U	380 U
2,6-Dinitrotoluene	UG/KG	78,214 286		1,000	350 U	410 U	370 U	350 U	380 U
2-Chloronaphthalene	UG/KG				350 U	410 U	370 U	350 U	380 U
2-Chlorophenol	UG/KG	391,071 429	83,200	800	350 U	410 U	370 U	350 U	380 U
2-Methylnaphthalene	UG/KG		962,620	36,400	350 U	410 U	370 U	350 U	380 U
2-Methylphenol	UG/KG	3,910,714 286		100	350 U	410 U	370 U	350 U	380 U
2-Nitroaniline	UG/KG	4,692 857		430	860 U	990 U	890 U	860 U	920 U
2-Nitrophenol	UG/KG			330	350 U	410 U	370 U	350 U	380 U
3,3'-Dichlorobenzidine	UG/KG	1,419 444			350 U	410 U	370 U	350 U	380 U
3-Nitroaniline	UG/KG	234,642 857		500	860 U	990 U	890 U	860 U	920 U
4,6-Dinitro-2-methylphenol	UG/KG				860 U	990 U	890 U	860 U	920 U
4-Bromophenyl phenyl ether	UG/KG	4,536,428 571			350 U	410 U	370 U	350 U	380 U
4-Chloro-3-methylphenol	UG/KG			240	350 U	410 U	370 U	350 U	380 U
4-Chloroaniline	UG/KG	312,857 143		220	350 U	410 U	370 U	350 U	380 U
4-Chlorophenyl phenyl ether	UG/KG				350 U	410 U	370 U	350 U	380 U
4-Methylphenol	UG/KG			900	350 U	410 U	370 U	350 U	380 U
4-Nitroaniline	UG/KG	234,642 857			860 U	990 U	890 U	860 U	920 U
4-Nitrophenol	UG/KG	4,692,857 143	18,680	100	860 U	990 U	890 U	860 U	920 U
Acenaphthene	UG/KG		2,268,070	50,000	350 U	410 U	370 U	350 U	380 U
Acenaphthylene	UG/KG		33,460	41,000	350 U	410 U	370 U	350 U	380 U
Anthracene	UG/KG	23,464,285 71	1,269,040	50,000	350 U	410 U	370 U	350 U	380 U
Benzo[a]anthracene	UG/KG	875	1,476,040	224	350 U	410 U	370 U	350 U	380 U
Benzo[a]pyrene	UG/KG	87 5	562,720	61	350 U	410 U	370 U	350 U	380 U
Benzo[b]fluoranthene	UG/KG	875	59,750	1,100	350 U	410 U	370 U	350 U	380 U
Benzo[ghi]perylene	UG/KG		76,250	50,000	350 U	410 U	370 U	350 U	380 U
Benzo[k]fluoranthene	UG/KG	8,750	72,640	1,100	350 U	410 U	370 U	350 U	380 U

				STUDY ID	ESI	ESI	ESI	ESI	ESI
				SITE	SEAD-13	SEAD-13	SEAD-13	SEAD-13	SEAD-17
				LOC ID.	MW13-1	MW13-6	MW13-6	MW13-6	MW17-1
				LOC TYPE.	BACKGROUND	BACKGROUND	BACKGROUND	BACKGROUND	BACKGROUND
				SAMP_ID.	SB13-1-4	SB13-6-1	SB13-6-3	SB13-6-4	SB17-1-2
				QC CODE.	SA	SA	SA	SA	SA
				SAMP. DETH TOP	8	0	4	6	2
				SAMP. DEPTH BOT	10	2	6	8	4
				MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL
				SAMP. DATE	08-Dec-93	15-Dec-93	15-Dec-93	15-Dec-93	01-Dec-93
PARAMETER	UNIT	Minimum PRG Value	Ecological PRG	NYSDEC TAGM 4046	VALUE Q	VALUE Q	VALUE Q	VALUE Q	VALUE Q
Benzoic Acid	UG/KG	312,857,142 9		2,700					
Benzyl alcohol	UG/KG								
Bis(2-Chloroethoxy)methane	UG/KG				350 U	410 U	370 U	350 U	380 U
Bis(2-Chloroethyl)ether	UG/KG	580.682			350 U	410 U	370 U	350 U	380 U
Bis(2-Chloroisopropyl)ether	UG/KG	9,125.							
Bis(2-Ethylhexyl)phthalate	UG/KG	45,625	39,350.	50,000	350 U	56 J	370 U	24 J	380 U
Butylbenzylphthalate	UG/KG	15,642,857 14		50,000.	350 U	410 U	370 U	350 U	380 U
Carbazole	UG/KG	31,937 5			350 U	410 U	370 U	350 U	380 U
Chrysene	UG/KG	87,500.	93,300.	400	350 U	410 U	370 U	350 U	380 U
Di-n-butylphthalate	UG/KG		94,697,730.	8,100.	20 J	410 U	370 U	350 U	380 U
Di-n-octylphthalate	UG/KG	1,564,285 714		50,000.	110 J	410 U	370 U	350 U	380 U
Dibenz[a,h]anthracene	UG/KG	87 5	53,680.	14.	350 U	410 U	370 U	350 U	380 U
Dibenzofuran	UG/KG	312,857 143		6,200	350 U	410 U	370 U	350 U	380 U
Diethyl phthalate	UG/KG	62,571,428 57	7,665,910.	7,100	350 U	410 U	370 U	350 U	380 U
Dimethylphthalate	UG/KG	782,142,857 1		2,000	350 U	410 U	370 U	350 U	380 U
Fluoranthene	UG/KG	3,128,571 429	7,849,900	50,000	350 U	410 U	370 U	350 U	380 U
Fluorene	UG/KG	3,128,571 429	1,755,510	50,000	350 U	410 U	370 U	350 U	380 U
Hexachlorobenzene	UG/KG	399 219		410	350 U	410 U	370 U	350 U	380 U
Hexachlorobutadiene	UG/KG	8,189 103			350 U	410 U	370 U	350 U	380 U
Hexachlorocyclopentadiene	UG/KG	547,500			350 U	410 U	370 U	350 U	380 U
Hexachloroethane	UG/KG	45 625			350 U	410 U	370 U	350 U	380 U
Indeno[1,2,3-cd]pyrene	UG/KG	875	47,630	3,200	350 U	410 U	370 U	350 U	380 U
Isophorone	UG/KG			4,400	350 U	410 U	370 U	350 U	380 U
N-Nitrosodiphenylamine	UG/KG	130 357 143			350 U	410 U	370 U	350 U	380 U
N-Nitrosodipropylamine	UG/KG	817 6	1,454,550		350 U	410 U	370 U	350 U	380 U
Naphthalene	UG/KG	3 128,571 429	149,740	13,000	350 U	410 U	370 U	350 U	380 U
Nitrobenzene	UG/KG	39,107 143		200	350 U	410 U	370 U	350 U	380 U
Pentachlorophenol	UG/KG	5,322 917	1,415,560	1,000	860 U	990 U	890 U	860 U	920 U
Phenanthrene	UG/KG		325,820	50,000	350 U	410 U	370 U	350 U	380 U
Phenol	UG/KG	46,928,571 43	79,520.	30	350 U	410 U	370 U	350 U	380 U
Pyrene	UG/KG	2,346,428 571	2,420,460.	50,000	350 U	410 U	370 U	350 U	380 U
PESTICIDES/PCBs									
4,4'-DDD	UG/KG	2,661 458	874,990.	2,900	3 5 U	4 1 U	3 7 U	3 5 U	3 8 U
4,4'-DDE	UG/KG	1,878 676	86,590	2,100	3 5 U	4 1 U	3 7 U	3 5 U	3 8 U
4,4'-DDT	UG/KG	1,878 676	8,870.	2,100.	3.5 U	4 1 U	3 7 U	3 5 U	3 8 U
Aldrin	UG/KG	37 574	2,750	41	1 8 U	2 1 U	1 9 U	1 8 U	1 9 U
Alpha-BHC	UG/KG			110.	1 8 U	2 1 U	1 9 U	1 8 U	1 9 U
Alpha-Chlordane	UG/KG		142,090		1 8 U	2 1 U	1 9 U	1 8 U	1 9 U
Aroclor-1016	UG/KG	5,475			35 U	41 U	37 U	35 U	38 U
Aroclor-1221	UG/KG				72 U	84 U	74 U	72 U	76 U
Aroclor-1232	UG/KG				35 U	41 U	37 U	35 U	38 U
Aroclor-1242	UG/KG		12,879,550.		35 U	41 U	37 U	35 U	38 U
Aroclor-1248	UG/KG				35 U	41 U	37 U	35 U	38 U
Aroclor-1254	UG/KG	1,564 286	3,925,000	10,000	35 U	41 U	37 U	35 U	61
Aroclor-1260	UG/KG		2,272,730	10,000	35 U	41 U	37 U	35 U	38 U
Beta-BHC	UG/KG		11,060	200	1 8 U	2 1 U	1 9 U	1 8 U	1 9 U
Delta-BHC	UG/KG			300.	1 8 U	2 1 U	1 9 U	1 8 U	1 9 U
Dieldrin	UG/KG	39 922		44	3 5 U	4 1 U	3 7 U	3 5 U	3 8 U
Endosulfan I	UG/KG	469,285 714	131,820	900	1 8 U	2 1 U	1 9 U	1 8 U	1 9 U

				STUDY ID	ESI	ESI	ESI	ESI	ESI
				SITE	SEAD-13	SEAD-13	SEAD-13	SEAD-13	SEAD-17
				LOC ID	MW13-1	MW13-6	MW13-6	MW13-6	MW17-1
				LOC TYPE	BACKGROUND	BACKGROUND	BACKGROUND	BACKGROUND	BACKGROUND
				SAMP_ID	SB13-1-4	SB13-6-1	SB13-6-3	SB13-6-4	SB17-1-2
				QC CODE	SA	SA	SA	SA	SA
				SAMP. DETH TOP	8	0	4	6	2
				SAMP. DEPTH BOT	10	2	6	8	4
				MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL
				SAMP. DATE	08-Dec-93	15-Dec-93	15-Dec-93	15-Dec-93	01-Dec-93
PARAMETER	UNIT	Minimum PRG Value	Ecological PRG	NYSDEC TAGM 4046	VALUE Q	VALUE Q	VALUE Q	VALUE Q	VALUE Q
Endosulfan II	UG/KG	469,285 714		900.	3 5 U	4 1 U	3 7 U	3 5 U	3 8 U
Endosulfan sulfate	UG/KG		15,820.	1,000	3 5 U	4 1 U	3 7 U	3 5 U	3 8 U
Endrin aldehyde	UG/KG	23,464 286	6,350		3 5 U	4 1 U	3.7 U	3 5 U	3 8 U
Endrin ketone	UG/KG	23,464 286	6,350		3 5 U	4 1 U	3 7 U	3 5 U	3 8 U
Endrin	UG/KG	23,464 286	240,910.	100	3 5 U	4.1 U	3 7 U	3 5 U	3 8 U
Gamma-BHC/Lindane	UG/KG	491 346		60	1 8 U	2 1 U	1 9 U	1 8 U	1 9 U
Gamma-Chlordane	UG/KG		47,360	540.	1 8 U	2 1 U	1 9 U	1 8 U	1 9 U
Heptachlor epoxide	UG/KG	70 192	10.	20.	1 8 U	2 1 U	1 9 U	1 8 U	1 9 U
Heptachlor	UG/KG	141 944	28,620.	100	1 8 U	2 1 U	1 9 U	1 8 U	1 9 U
Methoxychlor	UG/KG	391,071 429			18. U	21 U	19. U	18 U	19 U
Toxaphene	UG/KG				180 U	210 U	190 U	180 U	190 U
METALS									
Aluminum	UG/KG	78,214,285 71		19,520,000	11,700,000	16,000,000	13,500,000	10,200,000	18,100,000
Antimony	UG/KG	31,285 714	18,437,230.	6,000.	2,800. UJ	3,200 UJ	2,500 UJ	2,900 UJ	11,800 UJ
Arsenic	UG/KG	425 833	223,670.	8,900.	5,700	4,600	2,700	2,300	5,200
Barium	UG/KG	5,475,000	91,840.	300,000	33,900	103,000	60,400	56,800	114,000
Beryllium	UG/KG	148 547	6,570	1,130	540 J	920	710	580 J	900 J
Cadmium	UG/KG	39,107 143	737,770	2,460	270 U	310 U	250 U	280 U	740 U
Calcium	UG/KG			125,300,000	50,300,000	5,140,000	31,800,000	45,200,000	20,900,000
Chromium	UG/KG	78,214,285 71	850,430	30,000	19,600	21,500	23,500	17,800	25,100
Cobalt	UG/KG	4,692,857 143		30,000	11,100	10,600	15,000	11,300	13,300
Copper	UG/KG	3,128,571 429	827,810	33,000	17,600	16,000	27,400	14,500	26,900
Cyanide	UG/KG		13,636,360	350	530 U	600 U	530 U	510 U	
Iron	UG/KG	23,464,285 71		37,410,000	24,700,000	25,300,000	26,900,000	20,700,000	29,900,000
Lead	UG/KG		181,460	24,400	11,700 R	13,800	11,600	11,700	11,400 J
Magnesium	UG/KG			21,700,000.	12,600,000	3,750,000	6,640,000	5,220,000	8,490,000
Manganese	UG/KG	1,798,928 571	8,821,860	1,100,000.	404,000	934,000	508,000	556,000	487,000
Mercury	UG/KG	23,464 286	1,710.	100	20 U	30 J	10 U	10 U	60 J
Nickel	UG/KG	1,564,285 714	2,833,820.	50,000	33,100.	22,700	41,900	33,000	42,000
Potassium	UG/KG			2,623,000.	1,270,000.	1,330,000.	1,120,000	1,000,000	1,560,000
Selenium	UG/KG	391,071.429	193,140	2,000.	510 J	1,200	110 J	240 J	240 UJ
Silver	UG/KG	391,071.429		800	540 U	620 U	490 U	560 U	1,500 U
Sodium	UG/KG			188,000	134,000. J	61,900. J	116,000 J	141,000 J	74,600 J
Thallium	UG/KG	6,257 143		855	640. J	180 U	140 U	230 U	260 UJ
Vanadium	UG/KG	547,500.		150,000.	16,300.	29,900.	18,500.	13,800	27,000
Zinc	UG/KG	23,464,285.71		115,000.	45,800.	62,500	64,700.	39,300	80,200
OTHER ANALYSES									
Fluoride	UG/KG	4,692,857 143			99,000	78,000	50,000	62,000	
Nitrate/Nitrite	UG/KG				20	550.	900.	90	330
Total Petroleum Hydrocarbon	UG/KG								

				STUDY ID	ESI	ESI	ESI	ESI	ESI
				SITE	SEAD-17	SEAD-24	SEAD-24	SEAD-24	SEAD-25
				LOC ID	MW17-1	SB24-5	SB24-5	SB24-5	MW25-1
				LOC TYPE.	BACKGROUND	BACKGROUND	BACKGROUND	BACKGROUND	BACKGROUND
				SAMP_ID.	SB17-1-3	SB24-5-1	SB24-5-3	SB24-5-5	SB25-6-01
				QC CODE.	SA	SA	SA	SA	SA
				SAMP. DETH TOP	4	-1	-1	-1	0
				SAMP. DEPTH BOT	6	-1	-1	-1	2
				MATRIX.	SOIL	SOIL	SOIL	SOIL	SOIL
				SAMP. DATE:	01-Dec-93	01-Jan-80	01-Jan-80	01-Jan-80	03-Dec-93
PARAMETER	UNIT	Minimum PRG Value	Ecological PRG	NYSDEC TAGM 4046	VALUE Q	VALUE Q	VALUE Q	VALUE Q	VALUE Q
VOLATILE ORGANICS									
1,1,1-Trichloroethane	UG/KG	2,737,500	957,110	800	11 U	12 U	11 U	11 U	11 U
1,1,2,2-Tetrachloroethane	UG/KG	31,937.5		600	11 U	12 U	11 U	11 U	11 U
1,1,2-Trichloroethane	UG/KG	11,206.14			11 U	12 U	11 U	11 U	11 U
1,1-Dichloroethane	UG/KG	7,821,428.571		200	11 U	12 U	11 U	11 U	11 U
1,1-Dichloroethene	UG/KG	1,064 583		400	11 U	12 U	11 U	11 U	11 U
1,2-Dichloroethane	UG/KG	7,019.231		100	11 U	12 U	11 U	11 U	11 U
1,2-Dichloroethene (total)	UG/KG				11 U	12 U	11 U	11 U	11 U
1,2-Dichloropropane	UG/KG	9,393 382			11 U	12 U	11 U	11 U	11 U
Acetone	UG/KG	7,821,428.571	34,270	200	11 U	12 U	11 U	11 U	11 U
Benzene	UG/KG	22,025 862	247,370	60	11 U	12 U	11 U	1 J	11 U
Bromodichloromethane	UG/KG	10,302 419			11 U	12 U	11 U	11 U	11 U
Bromoform	UG/KG	80,854.43			11 U	12 U	11 U	11 U	11 U
Carbon disulfide	UG/KG	7,821,428 571	53,000	2,700	11 U	12 U	11 U	11 U	11 U
Carbon tetrachloride	UG/KG	4,913 462		600	11 U	12 U	11 U	11 U	11 U
Chlorobenzene	UG/KG	1,564,285 714		1,700	11 U	12 U	11 U	1 J	11 U
Chlorodibromomethane	UG/KG	7,604 167			11 U	12 U	11 U	11 U	11 U
Chloroethane	UG/KG	31,285,714 29		1,900	11 U	12 U	11 U	11 U	11 U
Chloroform	UG/KG	104,713 115	194,610	300	11 U	12 U	2 J	11 U	11 U
Cis-1,3-Dichloropropene	UG/KG				11 U	12 U	11 U	11 U	11 U
Ethyl benzene	UG/KG	7,821,428 571	1,720,290	5,500	11 U	12 U	11 U	11 U	11 U
Methyl Tertbutyl Ether	UG/KG								11 U
Methyl bromide	UG/KG	111,846 429			11 U	12 U	11 U	11 U	11 U
Methyl butyl ketone	UG/KG				11 U	12 U	11 U	11 U	11 U
Methyl chloride	UG/KG	49,134 615			11 U	12 U	11 U	11 U	11 U
Methyl ethyl ketone	UG/KG		421,380	300	11 U	12 U	11 U	11 U	11 U
Methyl isobutyl ketone	UG/KG	6,257,142 857		1,000	11 U	12 U	11 U	11 U	11 U
Methylene chloride	UG/KG	85,166 667	132,030	100	11 U	12 U	11 U	2 J	11 U
Styrene	UG/KG				11 U	12 U	11 U	11 U	11 U
Tetrachloroethene	UG/KG	12,283 654	6,454,550	1,400	11 U	12 U	11 U	11 U	11 U
Toluene	UG/KG	15,642,857 14	1,552,560	1,500	11 U	12 U	11 U	2 J	11 U
Total Xylenes	UG/KG	156,428,571 4	5,642,680	1,200	11 U	12 U	11 U	11 U	11 U
Trans-1,3-Dichloropropene	UG/KG				11 U	12 U	11 U	11 U	11 U
Trichloroethene	UG/KG	58,068.182		700	11 U	12 U	11 U	1 J	11 U
Vinyl acetate	UG/KG	78,214,285 71							
Vinyl chloride	UG/KG	336.184		200	11 U	12 U	11 U	11 U	11 U
HERBICIDES									
2,4,5-T	UG/KG			1,900	5 4 U	6 3 U	5 4 U	5 7 U	5 6 U
2,4,5-TP/Silvex	UG/KG			700	5.4 U	6 3 U	5.4 U	5 7 U	5 6 U
2,4-D	UG/KG			500	54 U	63 U	54 U	57 U	56 U
2,4-DB	UG/KG				54 U	63 U	54 U	57 U	56 U
Dalapon	UG/KG				130 U	150 U	130 U	140 U	140 U
Dicamba	UG/KG		22,600		5.4 U	6.3 U	5 4 U	5 7 U	5 6 U
Dichloroprop	UG/KG				54 U	63 U	54 U	57 U	56 U
Dinoseb	UG/KG				27 U	32 U	27 U	29 U	28 U
MCPA	UG/KG				5,400 U	6,300 U	5,400 U	5,700 U	5,600 U
MCPP	UG/KG		818,180		5,400 U	6,300 U	5,400 U	5,400 U	5,600 U

				STUDY ID	ESI	ESI	ESI	ESI	ESI
				SITE	SEAD-17	SEAD-24	SEAD-24	SEAD-24	SEAD-25
				LOC ID	MW17-1	SB24-5	SB24-5	SB24-5	MW25-1
				LOC TYPE	BACKGROUND	BACKGROUND	BACKGROUND	BACKGROUND	BACKGROUND
				SAMP_ID	SB17-1-3	SB24-5-1	SB24-5-3	SB24-5-5	SB25-6-01
				QC CODE	SA	SA	SA	SA	SA
				SAMP. DETH TOP	4	-1	-1	-1	0
				SAMP. DEPTH BOT	6	-1	-1	-1	2
				MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL
				SAMP DATE	01-Dec-93	01-Jan-80	01-Jan-80	01-Jan-80	03-Dec-93
PARAMETER	UNIT	Minimum PRG Value	Ecological PRG	NYSDEC TAGM 4046	VALUE Q	VALUE Q	VALUE Q	VALUE Q	VALUE Q
NITROAROMATICS									
1,3,5-Trinitrobenzene	UG/KG	3,910 714			130 U	130 U	130 U	130 U	
1,3-Dinitrobenzene	UG/KG	7,821 429			130 U	130 U	130 U	130 U	
2,4,6-Trinitrotoluene	UG/KG	21,291 667			130 U	130 U	130 U	130 U	
2,4-Dinitrotoluene	UG/KG	156,428 571	5,060		130 U	130 U	130 U	130 U	
2,6-Dinitrotoluene	UG/KG	78,214 286		1,000	130 U	130 U	130 U	130 U	
2-amino-4,6-Dinitrotoluene	UG/KG				130 U	130 U	130 U	130 U	
4-amino-2,6-Dinitrotoluene	UG/KG				130 U	130 U	130 U	130 U	
HMX	UG/KG				130 U	130 U	130 U	130 U	
RDX	UG/KG				130 U	130 U	130 U	130 U	
Tetryl	UG/KG				130 U	730 U	960 U	1,700 U	
SEMIVOLATILE ORGANICS									
1,2,4-Trichlorobenzene	UG/KG	782,142 857	1,132,060	3,400	360 U	410 U	350 U	380 U	360 U
1,2-Dichlorobenzene	UG/KG	7,039,285 714		7,900	360 U	410 U	350 U	380 U	360 U
1,3-Dichlorobenzene	UG/KG	6,961,071 429		1,600	360 U	410 U	350 U	380 U	360 U
1,4-Dichlorobenzene	UG/KG	26,614 583		8,500	360 U	410 U	350 U	380 U	360 U
2,2'-oxybis(1-Chloropropane)	UG/KG				360 U	410 U	350 U	380 U	360 U
2,4,5-Trichlorophenol	UG/KG	7,821,428 571		100	870 U	1,000 U	860 U	910 U	880 U
2,4,6-Trichlorophenol	UG/KG	58,068 182			360 U	410 U	350 U	380 U	360 U
2,4-Dichlorophenol	UG/KG	234,642 857		400	360 U	410 U	350 U	380 U	360 U
2,4-Dimethylphenol	UG/KG	1,564,285 714			360 U	410 U	350 U	380 U	360 U
2,4-Dinitrophenol	UG/KG	156,428 571		200	870 U	1,000 U	860 U	910 U	880 U
2,4-Dinitrotoluene	UG/KG	156,428 571	5,060		360 U	410 U	350 U	380 U	360 U
2,6-Dinitrotoluene	UG/KG	78,214 286		1,000	360 U	410 U	350 U	380 U	360 U
2-Chloronaphthalene	UG/KG				360 U	410 U	350 U	380 U	360 U
2-Chlorophenol	UG/KG	391,071 429	83,200	800	360 U	410 U	350 U	380 U	360 U
2-Methylnaphthalene	UG/KG		962,620	36,400	360 U	410 U	350 U	380 U	360 U
2-Methylphenol	UG/KG	3,910,714 286		100	360 U	410 U	350 U	380 U	360 U
2-Nitroaniline	UG/KG	4,692 857		430	870 U	1,000 U	860 U	910 U	880 U
2-Nitrophenol	UG/KG			330	360 U	410 U	350 U	380 U	360 U
3,3'-Dichlorobenzidine	UG/KG	1,419 444			360 U	410 U	350 U	380 U	360 U
3-Nitroaniline	UG/KG	234,642 857		500	870 U	1,000 U	860 U	910 U	880 U
4,6-Dinitro-2-methylphenol	UG/KG				870 U	1,000 U	860 U	910 U	880 U
4-Bromophenyl phenyl ether	UG/KG	4,536,428 571			360 U	410 U	350 U	380 U	360 U
4-Chloro-3-methylphenol	UG/KG			240	360 U	410 U	350 U	380 U	360 U
4-Chloroaniline	UG/KG	312,857 143		220	360 U	410 U	350 U	380 U	360 U
4-Chlorophenyl phenyl ether	UG/KG				360 U	410 U	350 U	380 U	360 U
4-Methylphenol	UG/KG			900	360 U	410 U	350 U	380 U	360 U
4-Nitroaniline	UG/KG	234,642 857			870 U	1,000 U	860 U	910 U	880 U
4-Nitrophenol	UG/KG	4,692,857 143	18,680	100	870 U	1,000 U	860 U	910 U	880 U
Acenaphthene	UG/KG		2,268,070	50,000	360 U	410 U	350 U	380 U	360 U
Acenaphthylene	UG/KG		33,460	41,000	360 U	410 U	350 U	380 U	32 J
Anthracene	UG/KG	23,464,285 71	1,269,040	50,000	360 U	410 U	350 U	380 U	42 J
Benzo[a]anthracene	UG/KG	875	1,476,040	224	360 U	410 U	350 U	380 U	230 J
Benzo[a]pyrene	UG/KG	87 5	562,720	61	360 U	410 U	350 U	380 U	250 J
Benzo[b]fluoranthene	UG/KG	875	59,750	1,100	360 U	410 U	350 U	380 U	240 J
Benzo[ghi]perylene	UG/KG		76,250	50,000	360 U	410 U	350 U	380 U	200 J
Benzo[k]fluoranthene	UG/KG	8,750	72,640	1,100	360 U	410 U	350 U	380 U	260 J

				STUDY ID	ESI	ESI	ESI	ESI	ESI
				SITE	SEAD-17	SEAD-24	SEAD-24	SEAD-24	SEAD-25
				LOC ID	MW17-1	SB24-5	SB24-5	SB24-5	MW25-1
				LOC TYPE	BACKGROUND	BACKGROUND	BACKGROUND	BACKGROUND	BACKGROUND
				SAMP_ID	SB17-1-3	SB24-5-1	SB24-5-3	SB24-5-5	SB25-6-01
				QC CODE	SA	SA	SA	SA	SA
				SAMP. DETH TOP	4	-1	-1	-1	0
				SAMP. DEPTH BOT.	6	-1	-1	-1	2
				MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL
				SAMP. DATE	01-Dec-93	01-Jan-80	01-Jan-80	01-Jan-80	03-Dec-93
PARAMETER	UNIT	Minimum PRG Value	Ecological PRG	NYSDEC TAGM 4046	VALUE Q	VALUE Q	VALUE Q	VALUE Q	VALUE Q
Benzoic Acid	UG/KG	312,857,142.9		2,700					
Benzyl alcohol	UG/KG								
Bis(2-Chloroethoxy)methane	UG/KG				360. U	410 U	350 U	380 U	360 U
Bis(2-Chloroethyl)ether	UG/KG	580.682			360. U	410 U	350. U	380 U	360 U
Bis(2-Chloroisopropyl)ether	UG/KG	9,125.							
Bis(2-Ethylhexyl)phthalate	UG/KG	45,625.	39,350.	50,000	21. J	53 J	350 U	120. J	360 U
Butylbenzylphthalate	UG/KG	15,642,857.14		50,000.	360 U	410 U	350 U	380 U	360 U
Carbazole	UG/KG	31,937.5			360 U	410 U	350 U	380 U	26 J
Chrysene	UG/KG	87,500	93,300.	400	360 U	410. U	350 U	380 U	350 J
Di-n-butylphthalate	UG/KG		94,697,730.	8,100	360. U	67. J	350 U	380 U	360 U
Di-n-octylphthalate	UG/KG	1,564,285.714		50,000	360. U	410 U	350. U	380 U	360 U
Dibenz[a,h]anthracene	UG/KG	87.5	53,680.	14	360. U	410 U	350 U	380 U	72 J
Dibenzofuran	UG/KG	312,857.143		6,200	360. U	410. U	350 U	380 U	360 U
Diethyl phthalate	UG/KG	62,571,428.57	7,665,910	7,100.	360 U	410 U	350 U	380 U	360 U
Dimethylphthalate	UG/KG	782,142,857.1		2,000	360 U	410 U	350 U	380 U	360 U
Fluoranthene	UG/KG	3,128,571.429	7,849,900	50,000	360. U	410 U	350 U	380 U	570
Fluorene	UG/KG	3,128,571.429	1,755,510	50,000	360 U	410 U	350 U	380 U	28 J
Hexachlorobenzene	UG/KG	399.219		410	360 U	410 U	350 U	380 U	360 U
Hexachlorobutadiene	UG/KG	8,189.103			360 U	410 U	350 U	380 U	360 U
Hexachlorocyclopentadiene	UG/KG	547,500			360. U	410 U	350 U	380 U	360 U
Hexachloroethane	UG/KG	45,625			360 U	410 U	350 U	380 U	360 U
Indeno[1,2,3-cd]pyrene	UG/KG	875	47,630	3,200	360 U	410 U	350 U	380 U	170 J
Isophorone	UG/KG			4,400	360 U	410 U	350 U	380 U	360 U
N-Nitrosodiphenylamine	UG/KG	130,357.143			360 U	410 U	350 U	380 U	360 U
N-Nitrosodipropylamine	UG/KG	817.6	1,454,550		360 U	410 U	350 U	380 U	360 U
Naphthalene	UG/KG	3,128,571.429	149,740	13,000	360 U	410. U	350. U	380 U	360 U
Nitrobenzene	UG/KG	39,107.143		200	360 U	410. U	350 U	380 U	360 U
Pentachlorophenol	UG/KG	5,322.917	1,415,560	1,000	870. U	1,000 U	860 U	910 U	880 U
Phenanthrene	UG/KG		325,820	50,000	360. U	410 U	350 U	380 U	370
Phenol	UG/KG	46,928,571.43	79,520	30	360. U	410 U	350 U	380 U	360 U
Pyrene	UG/KG	2,346,428.571	2,420,460	50,000	360. U	410 U	350. U	380 U	560
PESTICIDES/PCBs									
4,4'-DDD	UG/KG	2,661.458	874,990	2,900	3.6 U	4.1 U	3.5 U	3.7 U	3.7 U
4,4'-DDE	UG/KG	1,878.676	86,590	2,100	3.6 U	4.1 U	3.5 U	3.7 U	3.7 U
4,4'-DDT	UG/KG	1,878.676	8,870	2,100	3.6 U	4.1 U	3.5 U	3.7 U	4.3
Aldrin	UG/KG	37.574	2,750	41	1.8 U	2.1 U	1.8 U	1.9 U	1.9 U
Alpha-BHC	UG/KG			110.	1.8 U	2.1 U	1.8 U	1.9 U	1.9 U
Alpha-Chlordane	UG/KG		142,090		1.8 U	2.1 U	1.8 U	1.9 U	1.9 U
Aroclor-1016	UG/KG	5,475.			36 U	41 U	35 U	37 U	37 U
Aroclor-1221	UG/KG				72 U	84 U	72. U	76 U	74 U
Aroclor-1232	UG/KG				36 U	41 U	35. U	37 U	37 U
Aroclor-1242	UG/KG		12,879,550.		36. U	41 U	35. U	37 U	37 U
Aroclor-1248	UG/KG				36. U	41. U	35. U	37. U	37 U
Aroclor-1254	UG/KG	1,564.286	3,925,000	10,000	36 U	41 U	35. U	37 U	37 U
Aroclor-1260	UG/KG		2,272,730	10,000	36 U	41 U	35 U	37 U	37 U
Beta-BHC	UG/KG		11,060	200	1.8 U	2.1 U	1.8 U	1.9 U	1.9 U
Delta-BHC	UG/KG			300	1.8 U	2.1 U	1.8 U	1.9 U	1.9 U
Dieldrin	UG/KG	39.922		44	3.6 U	4.1 U	3.5 U	3.7 U	3.7 U
Endosulfan I	UG/KG	469,285.714	131,820	900	1.8 U	2.1 U	1.8 U	1.9 U	1.9 U

				STUDY ID	ESI		ESI		ESI		ESI		ESI	
				SITE	SEAD-17		SEAD-24		SEAD-24		SEAD-24		SEAD-25	
				LOC ID	MW17-1		SB24-5		SB24-5		SB24-5		MW25-1	
				LOC TYPE	BACKGROUND		BACKGROUND		BACKGROUND		BACKGROUND		BACKGROUND	
				SAMP_ID	SB17-1-3		SB24-5-1		SB24-5-3		SB24-5-5		SB25-6-01	
				QC CODE	SA		SA		SA		SA		SA	
				SAMP_DETH TOP	4		-1		-1		-1		0	
				SAMP_DEPTH BOT	6		-1		-1		-1		2	
				MATRIX	SOIL		SOIL		SOIL		SOIL		SOIL	
				SAMP_DATE	01-Dec-93		01-Jan-80		01-Jan-80		01-Jan-80		03-Dec-93	
PARAMETER	UNIT	Minimum PRG Value	Ecological PRG	NYSDEC TAGM 4046	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q
Endosulfan II	UG/KG	469,285.714		900	3.6	U	4.1	U	3.5	U	3.7	U	3.7	U
Endosulfan sulfate	UG/KG		15,820.	1,000.	3.6	U	4.1	U	3.5	U	3.7	U	3.7	U
Endrin aldehyde	UG/KG	23,464.286	6,350.		3.6	U	4.1	U	3.5	U	3.7	U	3.7	U
Endrin ketone	UG/KG	23,464.286	6,350.		3.6	U	4.1	U	3.5	U	3.7	U	3.7	U
Endrin	UG/KG	23,464.286	240,910.	100	3.6	U	4.1	U	3.5	U	3.7	U	3.7	U
Gamma-BHC/Lindane	UG/KG	491.346		60	1.8	U	2.1	U	1.8	U	1.9	U	1.9	U
Gamma-Chlordane	UG/KG		47,360.	540	1.8	U	2.1	U	1.8	U	1.9	U	1.9	U
Heptachlor epoxide	UG/KG	70.192	10.	20	1.8	U	2.1	U	1.8	U	1.9	U	1.9	U
Heptachlor	UG/KG	141.944	28,620.	100	1.8	U	2.1	U	1.8	U	1.9	U	1.9	U
Methoxychlor	UG/KG	391,071.429			18.	U	21.	U	18.	U	19.	U	19.	U
Toxaphene	UG/KG				180.	U	210.	U	180.	U	190.	U	190.	U
METALS														
Aluminum	UG/KG	78,214,285.71		19,520,000	8,700,000		16,200,000		10,100,000		13,700,000		10,600,000	
Antimony	UG/KG	31,285.714	18,437,230.	6,000	9,000.	UJ	12,500.	UJ	5,800.	UJ	11,300.	UJ	4,200.	U
Arsenic	UG/KG	425.833	223,670.	8,900	3,400		4,200		3,300		5,000		8,300	
Barium	UG/KG	5,475,000.	91,840.	300,000	59,400		117,000		58,300		67,200		59,100	
Beryllium	UG/KG	148.547	6,570.	1,130	420.	J	980.	J	480.	J	620.	J	480.	J
Cadmium	UG/KG	39,107.143	737,770.	2,460	560.	U	780.	U	360.	U	700.	U	410.	U
Calcium	UG/KG			125,300,000	72,800,000		4,540,000		74,200,000		49,000,000		82,500,000	
Chromium	UG/KG	78,214,285.71	850,430.	30,000	13,900		24,500		16,900		23,100		16,900	
Cobalt	UG/KG	4,692,857.143		30,000	8,800		16,000		8,200		12,000		11,200	
Copper	UG/KG	3,128,571.429	827.810	33,000	20,000		28,400		20,900		22,200		20,200.	J
Cyanide	UG/KG		13,636,360.	350			600.	U	510.	U	570.	U	580.	U
Iron	UG/KG	23,464,285.71		37,410,000	18,800,000		33,600,000		21,300,000		26,700,000		21,400,000	
Lead	UG/KG		181.460	24,400	7,500.	J	45,500.	J	8,700.	J	7,900.	J	9,500	
Magnesium	UG/KG			21,700,000	18,100,000		5,150,000		12,100,000		11,400,000		19,600,000	
Manganese	UG/KG	1,798,928.571	8,821,860.	1,100,000	391,000		1,080,000		400,000		450,000		722,000.	J
Mercury	UG/KG	23.464.286	1,710.	100	30.	UJ	70.	JR	60.	JR	40.	JR	30.	J
Nickel	UG/KG	1,564,285.714	2,833,820.	50,000	25,200		37,300		26,400		35,200		26,800	
Potassium	UG/KG			2,623,000	1,090,000		1,170,000.	J	993,000		1,660,000		1,480,000	
Selenium	UG/KG	391,071.429	193,140.	2,000	140.	UJ	150.	UJ	230.	UJ	220.	UJ	970.	J
Silver	UG/KG	391,071.429		800	1,100.	U	1,600.	U	730.	U	1,400.	U	820.	U
Sodium	UG/KG			188,000	137,000.	J	50,900.	J	153,000.	J	139,000.	J	269,000.	J
Thallium	UG/KG	6,257.143		855	150.	UJ	160.	U	250.	U	240.	U	240.	UJ
Vanadium	UG/KG	547,500.		150,000	13,900		29,900		14,400		19,500.		18,500	
Zinc	UG/KG	23,464,285.71		115,000	57,100		85,700		62,800		63,200.		71,600.	J
OTHER ANALYSES														
Fluoride	UG/KG	4,692,857.143												
Nitrate/Nitrite	UG/KG				240								170	
Total Petroleum Hydrocarbon	UG/KG												99,000	

				STUDY ID	ESI	RI Phase 1 Step 1	RI Phase 1 Step 1	RI Phase 1 Step 1	ESI
				SITE	SEAD-25	SEAD-25	SEAD-25	SEAD-25	SEAD-26
				LOC ID	MW25-1	MW25-6	MW25-6	MW25-6	SB26-1
				LOC TYPE	BACKGROUND	BACKGROUND	BACKGROUND	BACKGROUND	BACKGROUND
				SAMP_ID.	SB25-6-02	SB25-7-00	SB25-7-03	SB25-7-04	SB26-1-1
				QC CODE	SA	SA-AVG	SA	SA	SA
				SAMP DETH TOP	2	0	4	6	0
				SAMP. DEPTH BOT	4	0 17	6	8	2
				MATRIX.	SOIL	SOIL	SOIL	SOIL	SOIL
				SAMP DATE	03-Dec-93	25-Sep-95	25-Sep-95	25-Sep-95	17-Nov-93
PARAMETER	UNIT	Minimum PRG Value	Ecological PRG	NYSDEC TAGM 4046	VALUE Q	VALUE Q	VALUE Q	VALUE Q	VALUE Q
VOLATILE ORGANICS									
1,1,1-Trichloroethane	UG/KG	2,737,500	957,110.	800	11 U	11 U	11 U	11 U	11 U
1,1,2,2-Tetrachloroethane	UG/KG	31,937.5		600.	11 U	11 U	11 U	11 U	11 U
1,1,2-Trichloroethane	UG/KG	11,206 14			11 U	11 U	11 U	11 U	11 U
1,1-Dichloroethane	UG/KG	7,821,428 571		200	11 U	11 U	11 U	11 U	11 U
1,1-Dichloroethene	UG/KG	1,064.583		400.	11 U	11 U	11. U	11 U	11 U
1,2-Dichloroethane	UG/KG	7,019 231		100	11 U	11 U	11 U	11 U	11 U
1,2-Dichloroethene (total)	UG/KG				11 U	11 U	11 U	11 U	11 U
1,2-Dichloropropane	UG/KG	9,393 382			11 U	11 U	11 U	11 U	11 U
Acetone	UG/KG	7,821,428 571	34,270	200	7 J	5 J	4 J	11 UJ	11 U
Benzene	UG/KG	22,025 862	247,370	60	11 U	11 U	11 U	11 U	11 U
Bromodichloromethane	UG/KG	10,302 419			11 U	11 U	11 U	11 U	11 U
Bromoform	UG/KG	80,854.43			11 U	11 U	11 U	11 U	11 U
Carbon disulfide	UG/KG	7,821,428 571	53,000	2,700	11 U	11 U	11 U	11 U	11 U
Carbon tetrachloride	UG/KG	4,913 462		600	11 U	11 U	11 U	11 U	11 U
Chlorobenzene	UG/KG	1,564,285 714		1,700	11 U	11 U	11 U	11 U	11 U
Chlorodibromomethane	UG/KG	7,604 167			11 U	11 U	11 U	11 U	11 U
Chloroethane	UG/KG	31,285,714 29		1,900	11 U	11 U	11 U	11 U	11 U
Chloroform	UG/KG	104,713 115	194,610	300	11 U	11 U	11 U	11 U	11 U
Cis-1 3-Dichloropropene	UG/KG				11 U	11 U	11 U	11 U	11 U
Ethyl benzene	UG/KG	7,821,428 571	1,720,290	5,500	11 U	11 U	11 U	11 U	11 U
Methyl Tertbutyl Ether	UG/KG				11 U				
Methyl bromide	UG/KG	111,846 429			11 U	11 U	11 U	11 U	11 U
Methyl butyl ketone	UG/KG				11 U	11 U	11 U	11 U	11 U
Methyl chloride	UG/KG	49,134 615			11 U	11 U	11 U	11 U	11 U
Methyl ethyl ketone	UG/KG		421,380	300	11 U	11 UJ	11 UJ	11 UJ	11 U
Methyl isobutyl ketone	UG/KG	6,257 142 857		1,000	11 U	11 U	11 U	11 U	11 U
Methylene chloride	UG/KG	85,166 667	132,030	100	11 U	11 U	11 U	11 U	11 U
Styrene	UG/KG				11 U	11 U	11 U	11 U	11 U
Tetrachloroethene	UG/KG	12,283 654	6,454,550	1,400	11 U	11 U	11 U	11 U	11 U
Toluene	UG/KG	15,642,857.14	1,552,560	1,500	11 U	11 U	11 U	11 U	11 U
Total Xylenes	UG/KG	156,428,571 4	5,642,680	1,200	11. U	11. U	11. U	11 U	11 U
Trans-1,3-Dichloropropene	UG/KG				11 U	11 U	11 U	11 U	11 U
Trichloroethene	UG/KG	58,068 182		700	11 U	11 U	11. U	11 U	11 U
Vinyl acetate	UG/KG	78,214,285 71							
Vinyl chloride	UG/KG	336 184		200.	11 U	11. U	11 U	11 U	11 U
HERBICIDES									
2,4,5-T	UG/KG			1,900	5 4 U				5 5 U
2,4,5-TP/Silvex	UG/KG			700	5 4 U				5 5 U
2,4-D	UG/KG			500	54 U				55 U
2,4-DB	UG/KG				54 U				55 U
Dalapon	UG/KG				130 U				140 U
Dicamba	UG/KG		22,600		5 4 U				5 5 U
Dichloroprop	UG/KG				54 U				55 U
Dinoseb	UG/KG				27 U				28 U
MCPA	UG/KG				5,400 U				5,500 U
MCPP	UG/KG		818,180		5,400 U				5,500 U

				STUDY ID	ESI	RI Phase 1 Step 1	RI Phase 1 Step 1	RI Phase 1 Step 1	ESI
				SITE	SEAD-25	SEAD-25	SEAD-25	SEAD-25	SEAD-26
				LOC ID	MW25-1	MW25-6	MW25-6	MW25-6	SB26-1
				LOC TYPE	BACKGROUND	BACKGROUND	BACKGROUND	BACKGROUND	BACKGROUND
				SAMP_ID	SB25-6-02	SB25-7-00	SB25-7-03	SB25-7-04	SB26-1-1
				QC CODE	SA	SA-AVG	SA	SA	SA
				SAMP DETH TOP	2	0	4	6	0
				SAMP DEPTH BOT	4	0 17	6	8	2
				MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL
				SAMP DATE	03-Dec-93	25-Sep-95	25-Sep-95	25-Sep-95	17-Nov-93
PARAMETER	UNIT	Minimum PRG Value	Ecological PRG	NYSDEC TAGM 4046	VALUE Q	VALUE Q	VALUE Q	VALUE Q	VALUE Q
NITROAROMATICS									
1,3,5-Trinitrobenzene	UG/KG	3,910 714							
1,3-Dinitrobenzene	UG/KG	7,821 429							
2,4,6-Trinitrotoluene	UG/KG	21,291 667							
2,4-Dinitrotoluene	UG/KG	156,428 571	5,060.						
2,6-Dinitrotoluene	UG/KG	78,214 286		1,000					
2-amino-4,6-Dinitrotoluene	UG/KG								
4-amino-2,6-Dinitrotoluene	UG/KG								
HMX	UG/KG								
RDX	UG/KG								
Tetryl	UG/KG								
SEMIVOLATILE ORGANICS									
1,2,4-Trichlorobenzene	UG/KG	782,142 857	1,132,060	3,400	360 U	380 U	350 U	360 U	360 U
1,2-Dichlorobenzene	UG/KG	7,039,285 714		7,900	360 U	380 U	350 U	360 U	360 U
1,3-Dichlorobenzene	UG/KG	6,961,071 429		1,600	360 U	380 U	350 U	360 U	360 U
1,4-Dichlorobenzene	UG/KG	26,614 583		8,500	360 U	380 U	350 U	360 U	360 U
2,2'-oxybis(1-Chloropropane)	UG/KG				360 U				360 U
2,4,5-Trichlorophenol	UG/KG	7,821,428 571		100	870 U	920 U	850 U	870 U	880 U
2,4,6-Trichlorophenol	UG/KG	58,068 182			360 U	380 U	350 U	360 U	360 U
2,4-Dichlorophenol	UG/KG	234,642 857		400	360 U	380 U	350 U	360 U	360 U
2,4-Dimethylphenol	UG/KG	1,564,285 714			360 U	380 U	350 U	360 U	360 U
2,4-Dinitrophenol	UG/KG	156,428 571		200	870 U	920 U	850 U	870 U	880 U
2,4-Dinitrotoluene	UG/KG	156,428 571	5,060		360 U	380. U	350 U	360 UJ	360 U
2,6-Dinitrotoluene	UG/KG	78,214 286		1,000	360. U	380 U	350 U	360 U	360 U
2-Chloronaphthalene	UG/KG				360 U	380 U	350 U	360 U	360 U
2-Chlorophenol	UG/KG	391,071 429	83,200	800	360 U	380 U	350 U	360 U	360 U
2-Methylnaphthalene	UG/KG		962,620	36,400	360 U	380 U	350 U	360 U	360 U
2-Methylphenol	UG/KG	3,910,714 286		100.	360 U	380 U	350 U	360 U	360 U
2-Nitroaniline	UG/KG	4,692.857		430	870 U	920. U	850 U	870 U	880 U
2-Nitrophenol	UG/KG			330	360 U	380 U	350 U	360 U	360 U
3,3'-Dichlorobenzidine	UG/KG	1,419 444			360. U	380 U	350 U	360 UJ	360 U
3-Nitroaniline	UG/KG	234,642.857		500.	870. U	920 U	850 U	870 U	880 U
4,6-Dinitro-2-methylphenol	UG/KG				870. U	920. U	850 U	870 U	880 U
4-Bromophenyl phenyl ether	UG/KG	4,536,428.571			360. U	380 U	350. U	360 U	360 U
4-Chloro-3-methylphenol	UG/KG			240	360 U	380 U	350. U	360 U	360 U
4-Chloroaniline	UG/KG	312,857.143		220	360. U	380 U	350 U	360 U	360 U
4-Chlorophenyl phenyl ether	UG/KG				360. U	380 U	350 U	360 U	360 U
4-Methylphenol	UG/KG			900	360. U	380 U	350 U	360 U	360 U
4-Nitroaniline	UG/KG	234,642.857			870 U	920 U	850 U	870 U	880 U
4-Nitrophenol	UG/KG	4,692,857 143	18,680	100	870. U	920 U	850. U	870. U	880 U
Acenaphthene	UG/KG		2,268,070	50,000	360. U	380 U	350 U	360 U	360 U
Acenaphthylene	UG/KG		33,460	41,000	360 U	380 U	350 U	360 U	360 U
Anthracene	UG/KG	23,464,285 71	1,269,040	50,000	360 U	380. U	350 U	360 U	360 U
Benzo[a]anthracene	UG/KG	875	1,476,040	224.	360 U	380 U	350 U	360 U	31 J
Benzo[a]pyrene	UG/KG	87 5	562,720	61	360 U	380 U	350 U	360 U	34 J
Benzo[b]fluoranthene	UG/KG	875	59,750	1,100	360 U	380 U	350 U	360 U	36 J
Benzo[ghi]perylene	UG/KG		76,250	50,000	360 U	380 U	350 U	360 UJ	360 U
Benzo[k]fluoranthene	UG/KG	8,750	72,640	1,100	360 U	380 U	350 U	360 U	36 J

				STUDY ID	ESI	RI Phase 1 Step 1	RI Phase 1 Step 1	RI Phase 1 Step 1	ESI
				SITE	SEAD-25	SEAD-25	SEAD-25	SEAD-25	SEAD-26
				LOC ID	MW25-1	MW25-6	MW25-6	MW25-6	SB26-1
				LOC TYPE	BACKGROUND	BACKGROUND	BACKGROUND	BACKGROUND	BACKGROUND
				SAMP_ID	SB25-6-02	SB25-7-00	SB25-7-03	SB25-7-04	SB26-1-1
				QC CODE	SA	SA-AVG.	SA	SA	SA
				SAMP_DETH TOP	2	0	4	6	0
				SAMP_DEPTH BOT	4	0 17	6	8	2
				MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL
				SAMP. DATE	03-Dec-93	25-Sep-95	25-Sep-95	25-Sep-95	17-Nov-93
PARAMETER	UNIT	Minimum PRG Value	Ecological PRG	NYSDEC TAGM 4046	VALUE Q	VALUE Q	VALUE Q	VALUE Q	VALUE Q
Benzoic Acid	UG/KG	312,857,142 9		2,700					
Benzyl alcohol	UG/KG								
Bis(2-Chloroethoxy)methane	UG/KG				360 U	380 U	350 U	360 U	360 U
Bis(2-Chloroethyl)ether	UG/KG	580 682			360 U	380 U	350 U	360 U	360 U
Bis(2-Chloroisopropyl)ether	UG/KG	9,125.				380 U	350 U	360 U	
Bis(2-Ethylhexyl)phthalate	UG/KG	45,625	39,350	50,000.	360 U	380 U	350 U	360 U	360 U
Butylbenzylphthalate	UG/KG	15,642,857 14		50,000.	360 U	380 U	350 U	360 U	360 U
Carbazole	UG/KG	31,937.5			360 U	380 U	350 U	360 U	360 U
Chrysene	UG/KG	87,500	93,300	400	360 U	380 U	350 U	360 U	42 J
Di-n-butylphthalate	UG/KG		94,697,730	8,100.	360 U	380 U	350 U	360 U	360 U
Di-n-octylphthalate	UG/KG	1,564,285.714		50,000.	360 U	380 U	350 U	360 U	360 U
Dibenz[a,h]anthracene	UG/KG	87.5	53,680.	14	360 U	380 U	350 U	360 U	360 U
Dibenzofuran	UG/KG	312,857.143		6,200	360 U	380 U	350 U	360 U	360 U
Diethyl phthalate	UG/KG	62,571,428 57	7,665,910	7,100	360 U	380 U	350 U	360 U	360 U
Dimethylphthalate	UG/KG	782,142,857 1		2,000.	360 U	380 U	350 U	360 U	360 U
Fluoranthene	UG/KG	3,128,571 429	7,849,900	50,000	360 U	380 U	350 U	360 U	69 J
Fluorene	UG/KG	3,128,571 429	1,755,510	50,000.	360 U	380 U	350 U	360 U	360 U
Hexachlorobenzene	UG/KG	399 219		410	360 U	380 U	350 U	360 U	360 U
Hexachlorobutadiene	UG/KG	8,189 103			360 U	380 U	350 U	360 U	360 U
Hexachlorocyclopentadiene	UG/KG	547,500			360 U	380 U	350 U	360 U	360 U
Hexachloroethane	UG/KG	45,625			360 U	380 U	350 U	360 U	360 U
Indeno[1,2,3-cd]pyrene	UG/KG	875	47,630	3,200	360 U	380 U	350 U	360 UJ	360 U
Isophorone	UG/KG			4,400	360 U	380 U	350 U	360 U	360 U
N-Nitrosodiphenylamine	UG/KG	130,357 143			360 U	380 U	350 U	360 U	360 U
N-Nitrosodipropylamine	UG/KG	817 6	1,454,550		360 U	380 U	350 U	360 U	360 U
Naphthalene	UG/KG	3,128,571 429	149,740	13,000	360 U	380 U	350 U	360 U	360 U
Nitrobenzene	UG/KG	39,107 143		200	360 U	380 U	350 U	360 U	360 U
Pentachlorophenol	UG/KG	5,322 917	1,415,560	1,000.	870 U	920 U	850 U	870 U	880 U
Phenanthrene	UG/KG		325,820	50,000	360 U	380 U	350 U	360 U	24 J
Phenol	UG/KG	46,928,571 43	79,520	30	360 U	380 U	350 U	360 U	360 U
Pyrene	UG/KG	2,346,428 571	2,420,460	50,000	360 U	380 U	350 U	360 U	56 J
PESTICIDES/PCBs									
4,4`-DDD	UG/KG	2,661 458	874,990	2,900	3 6 U	3.8 U	3.5 U	3 6 U	3 6 U
4,4`-DDE	UG/KG	1,878 676	86,590	2,100	3 6 U	3 8 U	3.5 U	3 6 U	3 J
4,4`-DDT	UG/KG	1,878 676	8,870.	2,100.	3.6 U	3.8 U	3 5 U	3 6 U	3 5 J
Aldrin	UG/KG	37.574	2,750	41.	1 8 U	2. U	1 8 U	1 8 U	1 9 U
Alpha-BHC	UG/KG			110.	1 8 U	2 U	1 8 U	1 8 U	1 9 U
Alpha-Chlordane	UG/KG		142,090		1 8 U	2. U	1 8 U	1 8 U	1 9 U
Aroclor-1016	UG/KG	5,475			36 U	38 U	35 U	36 U	36 U
Aroclor-1221	UG/KG				73 U	77 U	71 U	73 U	74 U
Aroclor-1232	UG/KG				36	38 U	35 U	36. U	36 U
Aroclor-1242	UG/KG		12,879,550.		36 U	38 U	35 U	36 U	36 U
Aroclor-1248	UG/KG				36 U	38. U	35 U	36 U	36 U
Aroclor-1254	UG/KG	1,564 286	3,925,000	10,000	36 U	38 U	35 U	36 U	36 U
Aroclor-1260	UG/KG		2,272,730	10,000	36 U	38 U	35 U	36 U	36 U
Beta-BHC	UG/KG		11,060	200	1 8 U	2 U	1 8 U	1 8 U	1 9 U
Delta-BHC	UG/KG			300	1 8 U	2 U	1 8 U	1 8 U	1 9 U
Dieldrin	UG/KG	39 922		44	3 6 U	3 8 U	3 5 U	3 6 U	3 6 U
Endosulfan I	UG/KG	469,285 714	131,820	900	1 8 U	2 U	1 8 U	1 8 U	1 9 U

				STUDY ID:	ESI	RI Phase 1 Step 1	RI Phase 1 Step 1	RI Phase 1 Step 1	ESI
				SITE:	SEAD-25	SEAD-25	SEAD-25	SEAD-25	SEAD-26
				LOC ID.	MW25-1	MW25-6	MW25-6	MW25-6	SB26-1
				LOC TYPE:	BACKGROUND	BACKGROUND	BACKGROUND	BACKGROUND	BACKGROUND
				SAMP_ID:	SB25-6-02	SB25-7-00	SB25-7-03	SB25-7-04	SB26-1-1
				QC CODE:	SA	SA-AVG	SA	SA	SA
				SAMP_DETH TOP:	2	0	4	6	0
				SAMP_DEPTH BOT.	4	0.17	6	8	2
				MATRIX.	SOIL	SOIL	SOIL	SOIL	SOIL
				SAMP_DATE	03-Dec-93	25-Sep-95	25-Sep-95	25-Sep-95	17-Nov-93
PARAMETER	UNIT	Minimum PRG Value	Ecological PRG	NYSDEC TAGM 4046	VALUE Q	VALUE Q	VALUE Q	VALUE Q	VALUE Q
Endosulfan II	UG/KG	469,285.714		900.	3.6 U	3.8 U	3.5 U	3.6 U	3.6 U
Endosulfan sulfate	UG/KG		15,820.	1,000.	3.6 U	3.8 U	3.5 U	3.6 U	3.6 U
Endrin aldehyde	UG/KG	23,464.286	6,350.		3.6 U	3.8 U	3.5 U	3.6 U	3.6 U
Endrin ketone	UG/KG	23,464.286	6,350.		3.6 U	3.8 U	3.5 U	3.6 U	3.6 U
Endrin	UG/KG	23,464.286	240,910.	100.	3.6 U	3.8 U	3.5 U	3.6 U	3.6 U
Gamma-BHC/Lindane	UG/KG	491.346		60.	1.8 U	2 U	1.8 U	1.8 U	1.9 U
Gamma-Chlordane	UG/KG		47,360.	540.	1.8 U	2 U	1.8 U	1.8 U	1.9 U
Heptachlor epoxide	UG/KG	70.192	10.	20.	1.8 U	2 U	1.8 U	1.8 U	1.9 U
Heptachlor	UG/KG	141.944	28,620.	100.	1.8 U	2 U	1.8 U	1.8 U	1.9 U
Methoxychlor	UG/KG	391,071.429			18 U	20 U	18 U	18 U	19 U
Toxaphene	UG/KG				180. U	200. U	180 U	180 U	190 U
METALS									
Aluminum	UG/KG	78,214,285.71		19,520,000.	7,070,000.	12,500,000	8,020,000	7,550,000	5,560,000
Antimony	UG/KG	31,285.714	18,437,230.	6,000.	3,000 U	300 J	420 UJ	440 U	7,300 UJ
Arsenic	UG/KG	425.833	223,670.	8,900.	4,800	4,300	4,100	3,400	3,200
Barium	UG/KG	5,475,000.	91,840.	300,000.	35,000	71,300	58,000	52,000	73,200
Beryllium	UG/KG	148.547	6,570.	1,130.	350 J	560	430	390	350 J
Cadmium	UG/KG	39,107.143	737,770.	2,460.	290 U	50 U	60 U	60 U	460 U
Calcium	UG/KG			125,300,000.	122,000,000	47,400,000 J	120,000,000 J	133,000,000 J	293,000,000
Chromium	UG/KG	78,214,285.71	850,430.	30,000.	11,300	16,900 J	13,700 J	12,400 J	10,300
Cobalt	UG/KG	4,692,857.143		30,000.	6,600 J	8,000	8,200	6,900	5,900 J
Copper	UG/KG	3,128,571.429	827,810.	33,000.	12,000 J	15,700	17,700	16,400	9,700
Cyanide	UG/KG		13,636,360.	350.	640 U	442 U	570 U	510 U	480 U
Iron	UG/KG	23,464,285.71		37,410,000.	15,800,000	20,500,000	18,900,000	15,400,000	8,770,000
Lead	UG/KG		181,460.	24,400.	13,800	11,100	7,000	6,500	6,330
Magnesium	UG/KG			21,700,000.	22,800,000	11,700,000	17,400,000	20,700,000	29,100,000
Manganese	UG/KG	1,798,928.571	8,821,860.	1,100,000.	610,000 J	452,000	735,000	402,000	309,000
Mercury	UG/KG	23,464.286	1,710.	100.	40 U	30	20	10	20 U
Nickel	UG/KG	1,564,285.714	2,833,820.	50,000.	18,000	22,300	26,400	22,400	31,600 R
Potassium	UG/KG			2,623,000.	1,060,000	1,110,000	1,280,000	1,430,000	1,710,000
Selenium	UG/KG	391,071.429	193,140.	2,000.	630 J	645 U	700 U	740 U	130 UJ
Silver	UG/KG	391,071.429		800.	590 U	905 U	980 U	1,000 U	920 UJ
Sodium	UG/KG			188,000.	186,000 J	58,700	89,100	110,000.	192,000 J
Thallium	UG/KG	6,257.143		855.	210 UJ	1,200	1,100	600 U	730 U
Vanadium	UG/KG	547,500.		150,000.	12,000	21,000	13,400	13,700	12,700
Zinc	UG/KG	23,464,285.71		115,000.	40,600 J	54,100	64,900	65,100.	283,000 R
OTHER ANALYSES									
Fluoride	UG/KG	4,692,857.143							
Nitrate/Nitrite	UG/KG				10 U				430
Total Petroleum Hydrocarbon	UG/KG				112,000	31,500. U	33,000.	32,000 U	43,000

				STUDY ID	ESI	ESI	ESI	ESI	ESI
				SITE	SEAD-26	SEAD-4	SEAD-4	SEAD-4	SEAD-57
				LOC ID	SB26-1	MW4-1	MW4-1	MW4-1	TP57-11
				LOC TYPE	BACKGROUND	BACKGROUND	BACKGROUND	BACKGROUND	BACKGROUND
				SAMP_ID	SB26-1-2	SB4-1-1	SB4-1-3	SB4-1-6	TP57-11
				QC CODE	SA	SA-AVG	SA	SA	SA
				SAMP. DETH TOP	2	0	4	8	3
				SAMP. DEPTH BOT	4	2	6	10	3
				MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL
				SAMP. DATE:	17-Nov-93	06-Dec-93	06-Dec-93	06-Dec-93	08-Nov-93
PARAMETER	UNIT	Minimum PRG Value	Ecological PRG	NYSDEC TAGM 4046	VALUE Q	VALUE Q	VALUE Q	VALUE Q	VALUE Q
VOLATILE ORGANICS									
1,1,1-Trichloroethane	UG/KG	2,737,500	957,110.	800	11 U	12 U	12 U	11 U	11 U
1,1,2,2-Tetrachloroethane	UG/KG	31,937 5		600	11 U	12 U	12 U	11 U	11 U
1,1,2-Trichloroethane	UG/KG	11,206 14			11 U	12 U	12 U	11 U	11 U
1,1-Dichloroethane	UG/KG	7,821,428 571		200	11 U	12 U	12 U	11 U	11 U
1,1-Dichloroethene	UG/KG	1,064 583		400	11 U	12. U	12 U	11 U	11 U
1,2-Dichloroethane	UG/KG	7,019 231		100.	11 U	12 U	12 U	11 U	11 U
1,2-Dichloroethene (total)	UG/KG				11 U	12 U	12 U	11 U	11 U
1,2-Dichloropropane	UG/KG	9,393 382			11 U	12. U	12 U	11 U	11 U
Acetone	UG/KG	7,821,428 571	34,270.	200	11 U	12 U	12 U	11 U	11 U
Benzene	UG/KG	22,025.862	247,370.	60	11 U	12 U	12 U	11 U	11 U
Bromodichloromethane	UG/KG	10,302 419			11 U	12 U	12 U	11 U	11 U
Bromoform	UG/KG	80,854 43			11 U	12 U	12 U	11 U	11 U
Carbon disulfide	UG/KG	7,821,428 571	53,000	2,700	11 U	12 U	12 U	11 U	11 U
Carbon tetrachloride	UG/KG	4,913 462		600.	11 U	12 U	12 U	11 U	11 U
Chlorobenzene	UG/KG	1,564,285 714		1,700	11 U	12 U	12 U	11 U	11 U
Chlorodibromomethane	UG/KG	7,604 167			11 U	12 U	12 U	11 U	11 U
Chloroethane	UG/KG	31,285,714 29		1,900	11 U	12 U	12 U	11 U	11 U
Chloroform	UG/KG	104,713 115	194,610	300	11 U	12 U	12 U	11 U	11 U
Cis-1 3-Dichloropropene	UG/KG				11 U	12 U	12 U	11 U	11 U
Ethyl benzene	UG/KG	7 821 428 571	1,720,290	5,500	11 U	12 U	12 U	11 U	11 U
Methyl Tertbutyl Ether	UG/KG								
Methyl bromide	UG/KG	111 846 429			11 U	12 U	12 U	11 U	11 U
Methyl butyl ketone	UG/KG				11 U	12 U	12 U	11 U	11 U
Methyl chloride	UG/KG	49 134 615			11 U	12 U	12 U	11 U	11 U
Methyl ethyl ketone	UG/KG		421,380	300	11 U	12 U	12 U	11 U	11 U
Methyl isobutyl ketone	UG/KG	6,257,142 857		1,000	11 U	12 U	12 U	11 U	11 U
Methylene chloride	UG/KG	85,166 667	132,030	100	11 U	12 U	12 U	11 U	11 U
Styrene	UG/KG				11 U	12 U	12 U	11 U	11 U
Tetrachloroethene	UG/KG	12,283 654	6,454,550	1,400	11 U	12 U	12 U	11 U	11 U
Toluene	UG/KG	15,642,857 14	1,552,560	1,500.	11 U	12 U	12 U	11 U	11 U
Total Xylenes	UG/KG	156,428,571 4	5,642,680.	1,200	11 U	12 U	12 U	11 U	11 U
Trans-1,3-Dichloropropene	UG/KG				11 U	12 U	12 U	11 U	11 U
Trichloroethene	UG/KG	58,068.182		700	11 U	12 U	12 U	11 U	11 U
Vinyl acetate	UG/KG	78,214,285.71							
Vinyl chloride	UG/KG	336 184		200	11 U	12 U	12 U	11 U	11 U
HERBICIDES									
2,4,5-T	UG/KG			1,900	5 7 U	5 95 U	5 9 U	5 5 U	6 2 U
2,4,5-TP/Silvex	UG/KG			700	5 7 U	5 95 U	5 9 U	5 5 U	6 2 U
2,4-D	UG/KG			500.	57 U	59 5 U	59 U	55 U	62 U
2,4-DB	UG/KG				57 U	59 5 U	59. U	55 U	62 U
Dalapon	UG/KG				140 U	150 U	150 U	140 U	150 U
Dicamba	UG/KG		22,600		5 7 U	5 95 U	5 9 U	5 5 U	6 2 U
Dichloroprop	UG/KG				57 U	59 5 U	59 U	55 U	62 U
Dinoseb	UG/KG				29 U	30 U	30 U	28 U	31 U
MCPA	UG/KG				5,700 U	5,950 U	5,900 U	5,500 U	6,200 U
MCPP	UG/KG		818,180		5,700 U	5,950 U	5,900 U	5,500 U	6,200 U

				STUDY ID	ESI	ESI	ESI	ESI	ESI
				SITE	SEAD-26	SEAD-4	SEAD-4	SEAD-4	SEAD-57
				LOC ID.	SB26-1	MW4-1	MW4-1	MW4-1	TP57-11
				LOC TYPE	BACKGROUND	BACKGROUND	BACKGROUND	BACKGROUND	BACKGROUND
				SAMP_ID	SB26-1-2	SB4-1-1	SB4-1-3	SB4-1-6	TP57-11
				QC CODE	SA	SA-AVG	SA	SA	SA
				SAMP. DETH TOP.	2	0	4	8	3
				SAMP. DEPTH BOT.	4	2	6	10	3
				MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL
				SAMP. DATE.	17-Nov-93	06-Dec-93	06-Dec-93	06-Dec-93	08-Nov-93
PARAMETER	UNIT	Minimum PRG Value	Ecological PRG	NYSDEC TAGM 4046	VALUE Q	VALUE Q	VALUE Q	VALUE Q	VALUE Q
NITROAROMATICS									
1,3,5-Trinitrobenzene	UG/KG	3,910.714				130 U	130 U	130 U	130 U
1,3-Dinitrobenzene	UG/KG	7,821.429				130 U	130 U	130 U	130 U
2,4,6-Trinitrotoluene	UG/KG	21,291.667				130 U	130 U	130 U	130 U
2,4-Dinitrotoluene	UG/KG	156,428.571	5,060.			130 U	130 U	130 U	130 U
2,6-Dinitrotoluene	UG/KG	78,214.286		1,000		130 U	130 U	130 U	130 U
2-amino-4,6-Dinitrotoluene	UG/KG					130 U	130 U	130 U	130 U
4-amino-2,6-Dinitrotoluene	UG/KG					130 U	130 U	130 U	130 U
HMX	UG/KG					130 U	130 U	130 U	130 U
RDX	UG/KG					130. U	130 U	130 U	130 U
Tetryl	UG/KG					130 U	130 U	130 U	130 U
SEMIVOLATILE ORGANICS									
1,2,4-Trichlorobenzene	UG/KG	782,142.857	1,132,060	3,400	380 U	390 U	390 U	360 U	410 U
1,2-Dichlorobenzene	UG/KG	7,039,285.714		7,900	380 U	390 U	390 U	360 U	410 U
1,3-Dichlorobenzene	UG/KG	6,961,071.429		1,600	380 U	390 U	390 U	360 U	410 U
1,4-Dichlorobenzene	UG/KG	26,614.583		8,500	380 U	390 U	390 U	360 U	410 U
2,2'-oxybis(1-Chloropropane)	UG/KG				380 U	390 U	390 U	360 U	410 U
2,4,5-Trichlorophenol	UG/KG	7,821,428.571		100	920 U	945 U	940 U	880 U	990 U
2,4,6-Trichlorophenol	UG/KG	58,068.182			380 U	390 U	390 U	360 U	410 U
2,4-Dichlorophenol	UG/KG	234,642.857		400	380 U	390 U	390 U	360 U	410 U
2,4-Dimethylphenol	UG/KG	1,564,285.714			380 U	390 U	390 U	360 U	410 U
2,4-Dinitrophenol	UG/KG	156,428.571		200	920 U	945 U	940 U	880 U	990 U
2,4-Dinitrotoluene	UG/KG	156,428.571	5,060		380 U	390 U	390 U	360 U	410 U
2,6-Dinitrotoluene	UG/KG	78,214.286		1,000	380 U	390 U	390 U	360 U	410 U
2-Chloronaphthalene	UG/KG				380 U	390 U	390 U	360 U	410 U
2-Chlorophenol	UG/KG	391,071.429	83,200	800	380 U	390 U	390 U	360 U	410 U
2-Methylnaphthalene	UG/KG		962,620	36,400	380 U	390 U	390 U	360 U	410 U
2-Methylphenol	UG/KG	3,910,714.286		100	380 U	390 U	390 U	360 U	410 U
2-Nitroaniline	UG/KG	4,692.857		430	920 U	945 U	940 U	880 U	990 U
2-Nitrophenol	UG/KG			330	380 U	390 U	390 U	360 U	410 U
3,3`-Dichlorobenzidine	UG/KG	1,419.444			380 U	390 U	390 U	360 U	410 U
3-Nitroaniline	UG/KG	234,642.857		500.	920 U	945 U	940 U	880 U	990 U
4,6-Dinitro-2-methylphenol	UG/KG				920 U	945 U	940 U	880 U	990 U
4-Bromophenyl phenyl ether	UG/KG	4,536,428.571			380. U	390. U	390. U	360 U	410 U
4-Chloro-3-methylphenol	UG/KG			240.	380. U	390 U	390 U	360 U	410 U
4-Chloroaniline	UG/KG	312,857.143		220	380 U	390 U	390 U	360 U	410 U
4-Chlorophenyl phenyl ether	UG/KG				380 U	390 U	390. U	360 U	410 U
4-Methylphenol	UG/KG			900	380 U	390 U	390 U	360 U	410 U
4-Nitroaniline	UG/KG	234,642.857			920 U	945 U	940 U	880 U	990 U
4-Nitrophenol	UG/KG	4,692,857.143	18,680	100	920. U	945 U	940 U	880 U	990 U
Acenaphthene	UG/KG		2,268,070	50,000	380. U	390 U	390 U	360 U	410 U
Acenaphthylene	UG/KG		33,460	41,000	380 U	390 U	390 U	360 U	410 U
Anthracene	UG/KG	23,464,285.71	1,269,040	50,000	380 U	390 U	390 U	360 U	410 U
Benzo[a]anthracene	UG/KG	875	1,476,040	224	380 U	390 U	390 U	360 U	410 U
Benzo[a]pyrene	UG/KG	87.5	562,720	61	380 U	390 U	390 U	360 U	410 U
Benzo[b]fluoranthene	UG/KG	875	59,750	1,100	380 U	390 U	390 U	360 U	410 U
Benzo[ghi]perylene	UG/KG		76,250	50,000	380 U	390 U	390 U	360 U	410 U
Benzo[k]fluoranthene	UG/KG	8,750	72,640	1,100	380 U	390 U	390 U	360 U	410 U

				STUDY ID	ESI	ESI	ESI	ESI	ESI
				SITE	SEAD-26	SEAD-4	SEAD-4	SEAD-4	SEAD-57
				LOC ID	SB26-1	MW4-1	MW4-1	MW4-1	TP57-11
				LOC TYPE	BACKGROUND	BACKGROUND	BACKGROUND	BACKGROUND	BACKGROUND
				SAMP_ID	SB26-1-2	SB4-1-1	SB4-1-3	SB4-1-6	TP57-11
				QC CODE	SA	SA-AVG	SA	SA	SA
				SAMP_DETH TOP	2	0	4	8	3
				SAMP_DEPTH BOT	4	2	6	10	3
				MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL
				SAMP_DATE	17-Nov-93	06-Dec-93	06-Dec-93	06-Dec-93	08-Nov-93
PARAMETER	UNIT	Minimum PRG Value	Ecological PRG	NYSDEC TAGM 4046	VALUE Q	VALUE Q	VALUE Q	VALUE Q	VALUE Q
Benzoic Acid	UG/KG	312,857,142 9		2,700					
Benzyl alcohol	UG/KG								
Bis(2-Chloroethoxy)methane	UG/KG				380 U	390 U	390 U	360 U	410 U
Bis(2-Chloroethyl)ether	UG/KG	580 682			380 U	390 U	390 U	360 U	410 U
Bis(2-Chloroisopropyl)ether	UG/KG	9,125							
Bis(2-Ethylhexyl)phthalate	UG/KG	45,625	39,350.	50,000	380 U	390 U	390 U	360 U	410 U
Butylbenzylphthalate	UG/KG	15,642,857 14		50,000	380 U	390 U	390 U	360 U	410 U
Carbazole	UG/KG	31,937 5			380 U	390 U	390 U	360 U	410 U
Chrysene	UG/KG	87,500	93,300.	400.	380 U	390 U	390 U	360 U	410 U
Di-n-butylphthalate	UG/KG		94,697,730.	8,100	380 U	53 J	52 J	48 J	410 U
Di-n-octylphthalate	UG/KG	1,564,285 714		50,000	380 U	390 U	390 U	360 U	410 U
Dibenz[a,h]anthracene	UG/KG	87 5	53,680	14	380 U	390 U	390 U	360 U	410 U
Dibenzofuran	UG/KG	312,857 143		6,200	380 U	390 U	390 U	360 U	410 U
Diethyl phthalate	UG/KG	62,571,428 57	7,665,910	7,100	380 U	390 U	390 U	360 U	410 U
Dimethylphthalate	UG/KG	782,142,857 1		2,000	380 U	390 U	390 U	360 U	410 U
Fluoranthene	UG/KG	3,128,571 429	7,849,900	50,000.	380 U	390 U	390 U	360 U	410 U
Fluorene	UG/KG	3,128,571 429	1,755,510	50,000	380 U	390 U	390 U	360 U	410 U
Hexachlorobenzene	UG/KG	399 219		410	380 U	390 U	390 U	360 U	410 U
Hexachlorobutadiene	UG/KG	8,189 103			380 U	390 U	390 U	360 U	410 U
Hexachlorocyclopentadiene	UG/KG	547,500			380 U	390 U	390 U	360 U	410 U
Hexachloroethane	UG/KG	45,625			380 U	390 U	390 U	360 U	410 U
Indeno[1,2,3-cd]pyrene	UG/KG	875	47,630	3,200.	380 U	390 U	390 U	360 U	410 U
Isophorone	UG/KG			4,400	380 U	390 U	390 U	360 U	410 U
N-Nitrosodiphenylamine	UG/KG	130,357 143			380 U	390. U	390 U	360 U	410 U
N-Nitrosodipropylamine	UG/KG	817 6	1,454,550		380 U	390 U	390 U	360 U	410 U
Naphthalene	UG/KG	3,128,571 429	149,740	13,000	380 U	390 U	390 U	360 U	410 U
Nitrobenzene	UG/KG	39,107 143		200	380 U	390 U	390 U	360 U	410 U
Pentachlorophenol	UG/KG	5,322 917	1,415,560.	1,000	920 U	945 U	940 U	880 U	990 U
Phenanthrene	UG/KG		325,820	50,000.	380 U	390 U	390 U	360 U	410 U
Phenol	UG/KG	46,928,571 43	79,520	30	380 U	390 U	390 U	360 U	410 U
Pyrene	UG/KG	2,346,428 571	2,420,460.	50,000	380 U	390 U	390 U	360 U	410 U
PESTICIDES/PCBs									
4,4'-DDD	UG/KG	2,661 458	874,990.	2,900	3.8 U	3 9 UJ	3 9 U	3 6 UJ	4 1 U
4,4'-DDE	UG/KG	1,878 676	86,590	2,100	3.8 U	3.9 UJ	3.9 U	3.6 UJ	4 1 U
4,4'-DDT	UG/KG	1,878.676	8,870.	2,100	3.8 U	3.9 UJ	3.9 U	3 6 UJ	4 1 U
Aldrin	UG/KG	37 574	2,750.	41.	2 U	2 UJ	2 U	1 9 UJ	2 1 U
Alpha-BHC	UG/KG			110.	2 U	2 UJ	2 U	1 9 UJ	2 1 U
Alpha-Chlordane	UG/KG		142,090		2 U	2 UJ	2 U	1 9 UJ	2 1 U
Aroclor-1016	UG/KG	5,475			38 U	39 UJ	39 U	36 UJ	41 U
Aroclor-1221	UG/KG				77 U	79 5 UJ	79 U	74 UJ	83 U
Aroclor-1232	UG/KG				38 U	39 UJ	39 U	36 UJ	41 U
Aroclor-1242	UG/KG		12,879,550		38 U	39 UJ	39 U	36 UJ	41 U
Aroclor-1248	UG/KG				38 U	39 UJ	39 U	36 UJ	41 U
Aroclor-1254	UG/KG	1,564 286	3,925,000	10,000	38 U	39. UJ	39 U	36 UJ	41 U
Aroclor-1260	UG/KG		2,272,730.	10,000	38 U	39 UJ	39 U	36 UJ	41 U
Beta-BHC	UG/KG		11,060	200	2 U	2 UJ	2 U	1 9 UJ	2 1 U
Delta-BHC	UG/KG			300.	2 U	2 UJ	2. U	1 9 UJ	2 1 U
Dieldrin	UG/KG	39 922		44	3 8 U	3 9 UJ	3 9 U	3 6 UJ	4 1 U
Endosulfan I	UG/KG	469,285 714	131,820	900	2 U	2 UJ	2 U	1 9 UJ	2 1 U

				STUDY ID	ESI	ESI	ESI	ESI	ESI	
				SITE	SEAD-26	SEAD-4	SEAD-4	SEAD-4	SEAD-57	
				LOC ID	SB26-1	MW4-1	MW4-1	MW4-1	TP57-11	
				LOC TYPE	BACKGROUND	BACKGROUND	BACKGROUND	BACKGROUND	BACKGROUND	
				SAMP_ID	SB26-1-2	SB4-1-1	SB4-1-3	SB4-1-6	TP57-11	
				QC CODE	SA	SA-AVG	SA	SA	SA	
				SAMP_DETH TOP	2	0	4	8	3	
				SAMP_DEPTH BOT	4	2	6	10	3	
				MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	
				SAMP_DATE	17-Nov-93	06-Dec-93	06-Dec-93	06-Dec-93	08-Nov-93	
PARAMETER	UNIT	Minimum PRG Value	Ecological PRG	NYSDEC TAGM 4046	VALUE Q	VALUE Q	VALUE Q	VALUE Q	VALUE Q	
Endosulfan II	UG/KG	469,285.714		900	3.8 U	3.9 UJ	3.9 U	3.6 UJ	4.1 U	
Endosulfan sulfate	UG/KG		15,820.	1,000	3.8 U	3.9 UJ	3.9 U	3.6 UJ	4.1 U	
Endrin aldehyde	UG/KG	23,464.286	6,350.		3.8 U	3.9 UJ	3.9 U	3.6 UJ	4.1 U	
Endrin ketone	UG/KG	23,464.286	6,350.		3.8 U	3.9 UJ	3.9 U	3.6 UJ	4.1 U	
Endrin	UG/KG	23,464.286	240,910.	100	3.8 U	3.9 UJ	3.9 U	3.6 UJ	4.1 U	
Gamma-BHC/Lindane	UG/KG	491.346		60	2 U	2 UJ	2 U	1.9 UJ	2.1 U	
Gamma-Chlordane	UG/KG		47,360.	540	2. U	2 UJ	2 U	1.9 UJ	2.1 U	
Heptachlor epoxide	UG/KG	70.192	10.	20.	2. U	2 UJ	2 U	1.9 UJ	2.1 U	
Heptachlor	UG/KG	141.944	28,620.	100.	2 U	2. UJ	2 U	1.9 UJ	2.1 U	
Methoxychlor	UG/KG	391,071.429			20 U	20 UJ	20 U	19 UJ	21 U	
Toxaphene	UG/KG				200 U	200 UJ	200 U	190 UJ	210 U	
METALS										
Aluminum	UG/KG	78,214,285.71		19,520,000.	9,040,000	17,900,000	15,300,000	19,200,000	14,600,000	
Antimony	UG/KG	31,285.714	18,437,230.	6,000.	6,700 UJ	4,300 UJ	5,000 UJ	2,800 UJ	11,300 UJ	
Arsenic	UG/KG	425.833	223,670.	8,900	5,300	5,200	3,900	21,500	5,900	
Barium	UG/KG	5,475,000.	91,840.	300,000	43,700.	84,850	40,400 J	81,200	120,000	
Beryllium	UG/KG	148.547	6,570.	1,130	410. J	685 J	740 J	1,000	810 J	
Cadmium	UG/KG	39,107.143	737,770.	2,460	420 U	420 U	490 U	270 U	710 U	
Calcium	UG/KG			125,300,000	47,300,000	3,370,000	30,900,000	14,400,000	22,300,000	
Chromium	UG/KG	78,214,285.71	850,430.	30,000	15,700	25,550	27,600	32,700	20,100	
Cobalt	UG/KG	4,692,857.143		30,000	9,500	8,600	16,500	29,100	8,800 J	
Copper	UG/KG	3,128,571.429	827,810.	33,000	14,300	14,600	62,800	21,600	21,700	
Cyanide	UG/KG		13,636,360.	350	570. U	525 U	530 U	470 U	540 U	
Iron	UG/KG	23,464,285.71		37,410,000	19,100,000	23,500,000	34,300,000	37,900,000	24,900,000	
Lead	UG/KG		181,460.	24,400	8,500.	13,750 J	7,500 J	9,100 J	11,300	
Magnesium	UG/KG			21,700,000	9,160,000	4,365,000	7,130,000	8,040,000	5,360,000	
Manganese	UG/KG	1,798,928.571	8,821,860.	1,100,000	551,000	367,000 JR	337,000 R	795,000 R	329,000	
Mercury	UG/KG	23,464.286	1,710.	100	20 U	45 J	40 J	40 J	40 J	
Nickel	UG/KG	1,564,285.714	2,833,820.	50,000.	23,900	26,450	47,600	62,300	25,700	
Potassium	UG/KG			2,623,000	901,000.	1,870,000	1,300,000	2,030,000	1,430,000	
Selenium	UG/KG	391,071.429	193,140.	2,000	260 J	315 J	90 U	140 U	460 J	
Silver	UG/KG	391,071.429		800	850. UJ	835 U	980 U	640 J	1,400 UJ	
Sodium	UG/KG			188,000	108,000. J	30,550. J	105,000 J	91,600 J	93,000 J	
Thallium	UG/KG	6,257.143		855	170. U	230. U	160 U	240 U	170 U	
Vanadium	UG/KG	547,500.		150,000	14,400.	29,800.	22,200	29,300	27,800	
Zinc	UG/KG	23,464,285.71		115,000.	90,600	75,850.	102,000	115,000	57,900	
OTHER ANALYSES										
Fluoride	UG/KG	4,692,857.143								
Nitrate/Nitrite	UG/KG				480.	55	50	20	700	
Total Petroleum Hydrocarbon	UG/KG				38,000					

				STUDY ID	ESI	ESI	ESI	ESI	ESI
				SITE	SEAD-64A	SEAD-64A	SEAD-64A	SEAD-64B	SEAD-64B
				LOC ID.	MW64A-1	MW64A-1	MW64A-1	MW64B-1	MW64B-1
				LOC TYPE:	BACKGROUND	BACKGROUND	BACKGROUND	BACKGROUND	BACKGROUND
				SAMP_ID:	MW64A-1-00	MW64A-1-02	MW64A-1-03	MW64B-1-00	MW64B-1-1
				QC CODE	SA	SA	SA	SA	SA
				SAMP. DETH TOP:	0	2	4	0	0
				SAMP. DEPTH BOT.	0 2	4	6	0 2	0 2
				MATRIX.	SOIL	SOIL	SOIL	SOIL	SOIL
				SAMP. DATE.	02-Apr-94	02-Apr-94	02-Apr-94	13-May-94	13-May-94
PARAMETER	UNIT	Minimum PRG Value	Ecological PRG	NYSDEC TAGM 4046	VALUE Q	VALUE Q	VALUE Q	VALUE Q	VALUE Q
VOLATILE ORGANICS									
1,1,1-Trichloroethane	UG/KG	2,737,500	957,110.	800.	13 U	12. U	12 U	15 U	15 U
1,1,2,2-Tetrachloroethane	UG/KG	31,937 5		600.	13 U	12. U	12 U	15 U	15 U
1,1,2-Trichloroethane	UG/KG	11,206.14			13 U	12. U	12 U	15 U	15 U
1,1-Dichloroethane	UG/KG	7,821,428 571		200.	13. U	12. U	12 U	15 U	15 U
1,1-Dichloroethene	UG/KG	1,064 583		400	13 U	12. U	12 U	15 U	15 U
1,2-Dichloroethane	UG/KG	7,019 231		100	13 U	12. U	12 U	15 U	15 U
1,2-Dichloroethene (total)	UG/KG				13 U	12 U	12 U	15 U	15 U
1,2-Dichloropropane	UG/KG	9,393.382			13 U	12 U	12 U	15 U	15 U
Acetone	UG/KG	7,821,428 571	34,270.	200.	13 U	12 U	12 U	57	57
Benzene	UG/KG	22,025.862	247,370.	60.	13 U	12. U	12 U	15 U	15 U
Bromodichloromethane	UG/KG	10,302.419			13 U	12 U	12 U	15 U	15 U
Bromoform	UG/KG	80,854 43			13 U	12 U	12 U	15 U	15 U
Carbon disulfide	UG/KG	7,821,428 571	53,000	2,700	13 U	12 U	12 U	15 U	15 U
Carbon tetrachloride	UG/KG	4,913 462		600	13 U	12 U	12 U	15 U	15 U
Chlorobenzene	UG/KG	1,564,285 714		1,700	13 U	12 U	12 U	15 U	15 U
Chlorodibromomethane	UG/KG	7,604 167			13 U	12 U	12 U	15 U	15 U
Chloroethane	UG/KG	31,285,714 29		1,900	13 U	12 U	12 U	15 U	15 U
Chloroform	UG/KG	104,713 115	194,610	300	13 U	12 U	12 U	15 U	15 U
Cis-1,3-Dichloropropene	UG/KG				13 U	12 U	12 U	15 U	15 U
Ethyl benzene	UG/KG	7,821,428 571	1,720,290	5,500	13. U	12 U	12 U	15 U	15 U
Methyl Tertbutyl Ether	UG/KG								
Methyl bromide	UG/KG	111,846 429			13 U	12 U	12 U	15 U	15 U
Methyl butyl ketone	UG/KG				13 U	12 U	12 U	15 U	15 U
Methyl chloride	UG/KG	49,134 615			13 U	12. U	12 U	15 U	15 U
Methyl ethyl ketone	UG/KG		421,380	300	13 U	12 U	12 U	22	22
Methyl isobutyl ketone	UG/KG	6,257,142 857		1,000	13 U	12. U	12 U	15 U	15 U
Methylene chloride	UG/KG	85,166 667	132,030.	100	13 U	12 U	12 U	15 U	15 U
Styrene	UG/KG				13. U	12 U	12 U	15 U	15 U
Tetrachloroethene	UG/KG	12,283 654	6,454,550.	1,400.	13. U	12 U	12 U	15 U	15 U
Toluene	UG/KG	15,642,857 14	1,552,560	1,500	13 U	12 U	12 U	15 U	15 U
Total Xylenes	UG/KG	156,428,571.4	5,642,680.	1,200.	13 U	12 U	12 U	15. U	15 U
Trans-1,3-Dichloropropene	UG/KG				13. U	12. U	12. U	15 U	15 U
Trichloroethene	UG/KG	58,068 182		700.	13 U	12. U	12 U	15 U	15 U
Vinyl acetate	UG/KG	78,214,285 71							
Vinyl chloride	UG/KG	336 184		200.	13 U	12. U	12 U	15 U	15 U
HERBICIDES									
2,4,5-T	UG/KG			1,900.					
2,4,5-TP/Silvex	UG/KG			700.					
2,4-D	UG/KG			500					
2,4-DB	UG/KG								
Dalapon	UG/KG								
Dicamba	UG/KG		22,600.						
Dichloroprop	UG/KG								
Dinoseb	UG/KG								
MCPA	UG/KG								
MCPP	UG/KG		818,180						

				STUDY ID	ESI	ESI	ESI	ESI	ESI
				SITE	SEAD-64A	SEAD-64A	SEAD-64A	SEAD-64B	SEAD-64B
				LOC ID	MW64A-1	MW64A-1	MW64A-1	MW64B-1	MW64B-1
				LOC TYPE	BACKGROUND	BACKGROUND	BACKGROUND	BACKGROUND	BACKGROUND
				SAMP_ID	MW64A-1-00	MW64A-1-02	MW64A-1-03	MW64B-1-00	MW64B-1-1
				QC CODE	SA	SA	SA	SA	SA
				SAMP. DETH TOP	0	2	4	0	0
				SAMP. DEPTH BOT	0 2	4	6	0 2	0 2
				MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL
				SAMP DATE	02-Apr-94	02-Apr-94	02-Apr-94	13-May-94	13-May-94
PARAMETER	UNIT	Minimum PRG Value	Ecological PRG	NYSDEC TAGM 4046	VALUE Q	VALUE Q	VALUE Q	VALUE Q	VALUE Q
NITROAROMATICS									
1,3,5-Trinitrobenzene	UG/KG	3,910 714							
1,3-Dinitrobenzene	UG/KG	7,821 429							
2,4,6-Trinitrotoluene	UG/KG	21,291 667							
2,4-Dinitrotoluene	UG/KG	156,428 571	5,060						
2,6-Dinitrotoluene	UG/KG	78,214 286		1,000					
2-amino-4,6-Dinitrotoluene	UG/KG								
4-amino-2,6-Dinitrotoluene	UG/KG								
HMX	UG/KG								
RDX	UG/KG								
Tetryl	UG/KG								
SEMIVOLATILE ORGANICS									
1,2,4-Trichlorobenzene	UG/KG	782,142 857	1,132,060	3,400	450 U	390 U	370 U	520 U	520 U
1,2-Dichlorobenzene	UG/KG	7,039,285 714		7,900	450 U	390 U	370 U	520 U	520 U
1,3-Dichlorobenzene	UG/KG	6,961,071 429		1,600	450 U	390 U	370 U	520 U	520 U
1,4-Dichlorobenzene	UG/KG	26,614 583		8,500	450 U	390 U	370 U	520 U	520 U
2,2'-oxybis(1-Chloropropane)	UG/KG				450 U	390 U	370 U	520 U	520 U
2,4,5-Trichlorophenol	UG/KG	7 821,428 571		100	1,100 U	940 U	890 U	1,300 U	1,300 U
2 4 6-Trichlorophenol	UG/KG	58,068 182			450 U	390 U	370 U	520 U	520 U
2 4-Dichlorophenol	UG/KG	234 642 857		400	450 U	390 U	370 U	520 U	520 U
2 4-Dimethylphenol	UG/KG	1 564 285 714			450 U	390 U	370 U	520 U	520 U
2 4-Dinitrophenol	UG/KG	156 428 571		200	1,100 U	940 U	890 U	1,300 U	1,300 U
2,4-Dinitrotoluene	UG/KG	156 428 571	5,060		450 U	390 U	370 U	520 U	520 U
2,6-Dinitrotoluene	UG/KG	78,214 286		1,000	450 U	390 U	370 U	520 U	520 U
2-Chloronaphthalene	UG/KG				450 U	390 U	370 U	520 U	520 U
2-Chlorophenol	UG/KG	391,071 429	83,200	800	450 U	390 U	370 U	520 U	520 U
2-Methylnaphthalene	UG/KG		962,620	36,400	450 U	390 U	370 U	520 U	520 U
2-Methylphenol	UG/KG	3,910,714 286		100	450 U	390 U	370 U	520 U	520 U
2-Nitroaniline	UG/KG	4,692 857		430	1,100 U	940 U	890 U	1,300 U	1,300 U
2-Nitrophenol	UG/KG			330	450 U	390 U	370 U	520 U	520 U
3,3'-Dichlorobenzidine	UG/KG	1,419 444			450 U	390 U	370 U	520 U	520 U
3-Nitroaniline	UG/KG	234,642 857		500	1,100 U	940 U	890 U	1,300 U	1,300 U
4,6-Dinitro-2-methylphenol	UG/KG				1,100 U	940 U	890 U	1,300 U	1,300 U
4-Bromophenyl phenyl ether	UG/KG	4,536,428 571			450 U	390 U	370 U	520 U	520 U
4-Chloro-3-methylphenol	UG/KG			240	450 U	390 U	370 U	520 U	520 U
4-Chloroaniline	UG/KG	312,857 143		220	450 U	390 U	370 U	520 U	520 U
4-Chlorophenyl phenyl ether	UG/KG				450 U	390 U	370 U	520 U	520 U
4-Methylphenol	UG/KG			900	450 U	390 U	370 U	520 U	520 U
4-Nitroaniline	UG/KG	234,642 857			1,100 U	940 U	890 U	1,300 U	1,300 U
4-Nitrophenol	UG/KG	4,692,857 143	18,680	100	1,100 U	940 U	890 U	1,300 U	1,300 U
Acenaphthene	UG/KG		2,268,070	50,000	450 U	390 U	370 U	520 U	520 U
Acenaphthylene	UG/KG		33,460	41,000	450 U	390 U	370 U	520 U	520 U
Anthracene	UG/KG	23,464,285 71	1,269,040	50,000	450 U	390 U	370 U	520 U	520 U
Benzo[a]anthracene	UG/KG	875	1,476,040	224	450 U	390 U	370 U	38 J	38 J
Benzo[a]pyrene	UG/KG	87 5	562,720	61	450 U	390 U	370 U	34 J	34 J
Benzo[b]fluoranthene	UG/KG	875	59,750	1,100	450 U	390 U	370 U	28 J	28 J
Benzo[ghi]perylene	UG/KG		76,250	50,000	450 U	390 U	370 U	520 U	520 U
Benzo[k]fluoranthene	UG/KG	8,750	72,640	1,100	450 U	390 U	370 U	36 J	36 J

				STUDY ID:	ESI	ESI	ESI	ESI	ESI
				SITE:	SEAD-64A	SEAD-64A	SEAD-64A	SEAD-64B	SEAD-64B
				LOC ID:	MW64A-1	MW64A-1	MW64A-1	MW64B-1	MW64B-1
				LOC TYPE:	BACKGROUND	BACKGROUND	BACKGROUND	BACKGROUND	BACKGROUND
				SAMP_ID:	MW64A-1-00	MW64A-1-02	MW64A-1-03	MW64B-1-00	MW64B-1-1
				QC CODE:	SA	SA	SA	SA	SA
				SAMP. DETH TOP:	0	2	4	0	0
				SAMP. DEPTH BOT.	0 2	4	6	0 2	0 2
				MATRIX:	SOIL	SOIL	SOIL	SOIL	SOIL
				SAMP. DATE:	02-Apr-94	02-Apr-94	02-Apr-94	13-May-94	13-May-94
PARAMETER	UNIT	Minimum PRG Value	Ecological PRG	NYSDEC TAGM 4046	VALUE Q	VALUE Q	VALUE Q	VALUE Q	VALUE Q
Benzoic Acid	UG/KG	312,857,142 9		2,700					
Benzyl alcohol	UG/KG								
Bis(2-Chloroethoxy)methane	UG/KG				450 U	390 U	370 U	520 U	520 U
Bis(2-Chloroethyl)ether	UG/KG	580 682			450 U	390 U	370 U	520 U	520 U
Bis(2-Chloroisopropyl)ether	UG/KG	9,125							
Bis(2-Ethylhexyl)phthalate	UG/KG	45,625	39,350	50,000	750	280 J	320 J	520 U	520 U
Butylbenzylphthalate	UG/KG	15,642,857.14		50,000	450 U	390 U	370 U	520 U	520 U
Carbazole	UG/KG	31,937.5			450 U	390 U	370 U	520 U	520 U
Chrysene	UG/KG	87,500	93,300	400	450 U	390 U	370 U	40 J	40 J
Di-n-butylphthalate	UG/KG		94,697,730	8,100	290 J	390 U	370 U	520 U	520 U
Di-n-octylphthalate	UG/KG	1,564,285 714		50,000	450 U	390 U	370 U	520 U	520 U
Dibenz[a,h]anthracene	UG/KG	87 5	53,680	14	450 U	390 U	370 U	520 U	520 U
Dibenzofuran	UG/KG	312,857 143		6,200	450 U	390 U	370 U	520 U	520 U
Diethyl phthalate	UG/KG	62,571,428 57	7,665,910	7,100	450 U	390 U	370 U	520 U	520 U
Dimethylphthalate	UG/KG	782,142,857 1		2,000	450 U	390 U	370 U	520 U	520 U
Fluoranthene	UG/KG	3,128,571 429	7,849,900	50,000	450 U	390 U	370 U	28 J	28 J
Fluorene	UG/KG	3,128,571 429	1,755,510	50,000	450 U	390 U	370 U	520 U	520 U
Hexachlorobenzene	UG/KG	399 219		410	450 U	390 U	370 U	520 U	520 U
Hexachlorobutadiene	UG/KG	8,189 103			450 U	390 U	370 U	520 U	520 U
Hexachlorocyclopentadiene	UG/KG	547,500			450 U	390 U	370 U	520 U	520 U
Hexachloroethane	UG/KG	45,625			450 U	390 U	370 U	520 U	520 U
Indeno[1,2,3-cd]pyrene	UG/KG	875	47,630	3,200	450 U	390 U	370 U	520 U	520 U
Isophorone	UG/KG			4,400	450 U	390 U	370 U	520 U	520 U
N-Nitrosodiphenylamine	UG/KG	130,357 143			450 U	390 U	370 U	520 U	520 U
N-Nitrosodipropylamine	UG/KG	817 6	1,454,550		450 U	390 U	370 U	520 U	520 U
Naphthalene	UG/KG	3,128,571 429	149,740	13,000	450 U	390 U	370 U	520 U	520 U
Nitrobenzene	UG/KG	39,107 143		200	450 U	390 U	370 U	520 U	520 U
Pentachlorophenol	UG/KG	5,322 917	1,415,560	1,000	1,100 U	940 U	890 U	1,300 U	1,300 U
Phenanthrene	UG/KG		325,820	50,000	450 U	390 U	370 U	30 J	30 J
Phenol	UG/KG	46,928,571 43	79,520	30	450 U	390 U	370 U	520 U	520 U
Pyrene	UG/KG	2,346,428 571	2,420,460	50,000	450 U	390 U	370 U	36 J	36 J
PESTICIDES/PCBs									
4,4'-DDD	UG/KG	2,661 458	874,990	2,900	4 5 U	3 9 U	3 7 U	5 2 U	5 2 U
4,4'-DDE	UG/KG	1,878 676	86,590	2,100	4 5 U	3 9 U	3 7 U	5 2 U	5 2 U
4,4'-DDT	UG/KG	1,878 676	8,870	2,100	4 5 U	3 9 U	3 7 U	5 2 U	5 2 U
Aldrin	UG/KG	37 574	2,750	41	2 3 U	2 U	1 9 U	2 7 U	2 7 U
Alpha-BHC	UG/KG			110	2 3 U	2 U	1 9 U	2 7 U	2 7 U
Alpha-Chlordane	UG/KG		142,090		2 3 U	2 U	1 9 U	2 7 U	2 7 U
Aroclor-1016	UG/KG	5,475			45 U	39 U	37 U	52 U	52 U
Aroclor-1221	UG/KG				91 U	80 U	74 U	100 U	100 U
Aroclor-1232	UG/KG				45 U	39 U	37 U	52 U	52 U
Aroclor-1242	UG/KG		12,879,550		45 U	39 U	37 U	52 U	52 U
Aroclor-1248	UG/KG				45 U	39 U	37 U	52 U	52 U
Aroclor-1254	UG/KG	1,564 286	3,925,000	10,000	45 U	39 U	37 U	52 U	52 U
Aroclor-1260	UG/KG		2,272,730	10,000	45 U	39 U	37 U	52 U	52 U
Beta-BHC	UG/KG		11,060	200	2 3 U	2 U	1 9 U	2 7 U	2 7 U
Delta-BHC	UG/KG			300	2 3 U	2 U	1 9 U	2 7 U	2 7 U
Dieldrin	UG/KG	39 922		44	4 5 U	3 9 U	3 7 U	5 2 U	5 2 U
Endosulfan I	UG/KG	469,285 714	131,820	900	2 3 U	2 U	1 9 U	2 7 U	2 7 U

				STUDY ID	ESI	ESI	ESI	ESI	ESI
				SITE	SEAD-64A	SEAD-64A	SEAD-64A	SEAD-64B	SEAD-64B
				LOC ID.	MW64A-1	MW64A-1	MW64A-1	MW64B-1	MW64B-1
				LOC TYPE	BACKGROUND	BACKGROUND	BACKGROUND	BACKGROUND	BACKGROUND
				SAMP_ID.	MW64A-1-00	MW64A-1-02	MW64A-1-03	MW64B-1-00	MW64B-1-1
				QC CODE	SA	SA	SA	SA	SA
				SAMP DETH TOP	0	2	4	0	0
				SAMP DEPTH BOT	0 2	4	6	0 2	0 2
				MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL
				SAMP DATE	02-Apr-94	02-Apr-94	02-Apr-94	13-May-94	13-May-94
PARAMETER	UNIT	Minimum PRG Value	Ecological PRG	NYSDEC TAGM 4046	VALUE Q	VALUE Q	VALUE Q	VALUE Q	VALUE Q
Endosulfan II	UG/KG	469,285 714		900	4 5 U	3 9 U	3 7 U	5 2 U	5 2 U
Endosulfan sulfate	UG/KG		15,820.	1,000	4 5 U	3 9 U	3 7 U	5 2 U	5 2 U
Endrin aldehyde	UG/KG	23,464.286	6,350		4 5 U	3 9 U	3 7 U	5 2 U	5 2 U
Endrin ketone	UG/KG	23,464.286	6,350.		4 5 U	3 9 U	3 7 U	5 2 U	5 2 U
Endrin	UG/KG	23,464 286	240,910	100	4 5 U	3 9 U	3 7 U	5 2 U	5 2 U
Gamma-BHC/Lindane	UG/KG	491.346		60	2.3 U	2 U	1.9 U	2 7 U	2 7 U
Gamma-Chlordane	UG/KG		47,360	540	2 3 U	2 U	1 9 U	2 7 U	2 7 U
Heptachlor epoxide	UG/KG	70 192	10	20	2.3 U	2 U	1 9 U	1 4 J	1 4 J
Heptachlor	UG/KG	141 944	28,620.	100	2.3 U	2 U	1 9 U	2 7 U	2 7 U
Methoxychlor	UG/KG	391,071 429			23. U	20. U	19. U	27 U	27 U
Toxaphene	UG/KG				230 U	200. U	190 U	270 U	270 U
METALS									
Aluminum	UG/KG	78,214,285 71		19,520,000.	16,100,000	19,800,000	12,600,000	13,400,000	13,400,000
Antimony	UG/KG	31,285 714	18,437,230.	6,000	230 J	200 UJ	200 UJ	300 J	300 J
Arsenic	UG/KG	425 833	223,670	8,900	7,100	8,200	5,000	5,500	5,500
Barium	UG/KG	5,475,000	91,840	300,000.	83,700	91,200	62,300	75,500	75,500
Beryllium	UG/KG	148 547	6,570.	1,130	680 J	740 J	530 J	560 J	560 J
Cadmium	UG/KG	39 107 143	737,770	2,460	110 J	20. U	120 J	630 J	630 J
Calcium	UG/KG			125,300,000.	7,210,000	4,300,000	72,400,000	5,530,000	5,530,000
Chromium	UG/KG	78 214.285 71	850.430	30,000	23,000	25,000	19,000	17,500	17,500
Cobalt	UG/KG	4,692,857 143		30,000	11,800	11,300	9,100 J	7,200 J	7,200 J
Copper	UG/KG	3,128,571 429	827,810	33,000	25,500	21,000	23,700	18,900	18,900
Cyanide	UG/KG		13,636,360.	350	660 U	560 U	550 U	600 U	600 U
Iron	UG/KG	23,464,285 71		37,410,000	28,500,000	28,000,000	22,600,000	20,900,000	20,900,000
Lead	UG/KG		181,460	24,400	21,600.	13,600	15,400	21,400	21,400
Magnesium	UG/KG			21,700,000	5,480,000	5,010,000	14,800,000	3,720,000	3,720,000
Manganese	UG/KG	1 798,928 571	8,821,860	1,100,000	558,000	604,000	402,000	207,000	207,000
Mercury	UG/KG	23,464 286	1,710	100	50 J	30 J	20 J	50 J	50 J
Nickel	UG/KG	1,564,285 714	2,833,820	50,000	32,200	28,600	26,700	19,800	19,800
Potassium	UG/KG			2,623,000	2,590,000 J	2,260,000 J	2,700,000 J	1,700,000	1,700,000
Selenium	UG/KG	391,071 429	193,140	2,000	960	1,700	340 U	990 J	990 J
Silver	UG/KG	391,071 429		800	120. U	140 U	140 U	160 UJ	160 UJ
Sodium	UG/KG			188,000	27,500 U	31,800. U	92,100 J	35,900 U	35,900 U
Thallium	UG/KG	6,257 143		855	420. J	320 U	320 U	410 J	410 J
Vanadium	UG/KG	547,500		150,000	27,600.	32,200	22,800.	23,300	23,300
Zinc	UG/KG	23,464,285.71		115,000.	104,000.	87,100	64,900.	72,200	72,200
OTHER ANALYSES									
Fluoride	UG/KG	4,692,857 143							
Nitrate/Nitrite	UG/KG								
Total Petroleum Hydrocarbon	UG/KG								

				STUDY ID	ESI	ESI	ESI	ESI	ESI
				SITE	SEAD-64B	SEAD-64B	SEAD-64B	SEAD-64B	SEAD-67
				LOC ID	MW64B-1	MW64B-1	MW64B-1	MW64B-1	MW67-2
				LOC TYPE	BACKGROUND	BACKGROUND	BACKGROUND	BACKGROUND	BACKGROUND
				SAMP_ID	MW64B-1-03	MW64B-1-2	MW64B-1-04	MW64B-1-3	MW67-2-00
				QC CODE	SA	SA	SA	SA	SA
				SAMP_DETH TOP	4	4	6	6	0
				SAMP_DEPTH BOT	6	6	8	8	0 2
				MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL
				SAMP_DATE	13-May-94	13-May-94	13-May-94	13-May-94	30-Mar-94
PARAMETER	UNIT	Minimum PRG Value	Ecological PRG	NYSDEC TAGM 4046	VALUE Q	VALUE Q	VALUE Q	VALUE Q	VALUE Q
VOLATILE ORGANICS									
1,1,1-Trichloroethane	UG/KG	2,737,500	957,110	800	11 U	11 U	11 U	11 U	14 U
1,1,2,2-Tetrachloroethane	UG/KG	31,937 5		600	11 U	11 U	11 U	11 U	14 U
1,1,2-Trichloroethane	UG/KG	11,206 14			11 U	11 U	11 U	11 U	14 U
1,1-Dichloroethane	UG/KG	7,821,428 571		200	11 U	11 U	11 U	11 U	14 U
1,1-Dichloroethene	UG/KG	1,064 583		400	11 U	11 U	11 U	11 U	14 U
1,2-Dichloroethane	UG/KG	7,019 231		100	11 U	11 U	11 U	11 U	14 U
1,2-Dichloroethene (total)	UG/KG				11 U	11 U	11 U	11 U	14 U
1,2-Dichloropropane	UG/KG	9,393 382			11 U	11 U	11 U	11 U	14 U
Acetone	UG/KG	7,821,428 571	34,270	200	11 U	11 U	11 U	11 U	14 U
Benzene	UG/KG	22,025 862	247,370	60	11 U	11 U	11 U	11 U	14 U
Bromodichloromethane	UG/KG	10,302 419			11 U	11 U	11 U	11 U	14 U
Bromoform	UG/KG	80,854 43			11 U	11 U	11 U	11 U	14 U
Carbon disulfide	UG/KG	7,821,428 571	53,000	2,700	11 U	11 U	11 U	11 U	14 U
Carbon tetrachloride	UG/KG	4,913 462		600	11 U	11 U	11 U	11 U	14 U
Chlorobenzene	UG/KG	1,564,285 714		1,700	11 U	11 U	11 U	11 U	14 U
Chlorodibromomethane	UG/KG	7,604 167			11 U	11 U	11 U	11 U	14 U
Chloroethane	UG/KG	31,285,714 29		1,900	11 U	11 U	11 U	11 U	14 U
Chloroform	UG/KG	104,713 115	194,610	300	11 U	11 U	11 U	11 U	14 U
Cis-1,3-Dichloropropene	UG/KG				11 U	11 U	11 U	11 U	14 U
Ethyl benzene	UG/KG	7,821,428 571	1,720,290	5,500	11 U	11 U	11 U	11 U	14 U
Methyl Tertbutyl Ether	UG/KG								
Methyl bromide	UG/KG	111,846 429			11 U	11 U	11 U	11 U	14 U
Methyl butyl ketone	UG/KG				11 U	11 U	11 U	11 U	14 U
Methyl chloride	UG/KG	49,134 615			11 U	11 U	11 U	11 U	14 U
Methyl ethyl ketone	UG/KG		421,380	300	11 U	11 U	11 U	11 U	14 U
Methyl isobutyl ketone	UG/KG	6,257,142 857		1,000	11 U	11 U	11 U	11 U	14 U
Methylene chloride	UG/KG	85,166 667	132,030	100	11 U	11 U	11 U	11 U	14 U
Styrene	UG/KG				11 U	11 U	11 U	11 U	14 U
Tetrachloroethene	UG/KG	12,283 654	6,454,550	1,400	11 U	11 U	11 U	11 U	14 U
Toluene	UG/KG	15,642,857 14	1,552,560	1,500	11 U	11 U	11 U	11 U	14 U
Total Xylenes	UG/KG	156,428,571 4	5,642,680	1,200	11 U	11 U	11 U	11 U	14 U
Trans-1,3-Dichloropropene	UG/KG				11 U	11 U	11 U	11 U	14 U
Trichloroethene	UG/KG	58,068 182		700	11 U	11 U	11 U	11 U	14 U
Vinyl acetate	UG/KG	78,214,285 71							
Vinyl chloride	UG/KG	336 184		200	11 U	11 U	11 U	11 U	14 U
HERBICIDES									
2,4,5-T	UG/KG			1,900					
2,4,5-TP/Silvex	UG/KG			700					
2,4-D	UG/KG			500					
2,4-DB	UG/KG								
Dalapon	UG/KG								
Dicamba	UG/KG		22,600						
Dichloroprop	UG/KG								
Dinoseb	UG/KG								
MCPA	UG/KG								
MCPP	UG/KG		818,180						

				STUDY ID	ESI	ESI	ESI	ESI	ESI
				SITE	SEAD-64B	SEAD-64B	SEAD-64B	SEAD-64B	SEAD-67
				LOC ID	MW64B-1	MW64B-1	MW64B-1	MW64B-1	MW67-2
				LOC TYPE	BACKGROUND	BACKGROUND	BACKGROUND	BACKGROUND	BACKGROUND
				SAMP_ID	MW64B-1-03	MW64B-1-2	MW64B-1-04	MW64B-1-3	MW67-2-00
				QC CODE	SA	SA	SA	SA	SA
				SAMP DETH TOP	4	4	6	6	0
				SAMP DEPTH BOT.	6	6	8	8	0 2
				MATRIX:	SOIL	SOIL	SOIL	SOIL	SOIL
				SAMP DATE	13-May-94	13-May-94	13-May-94	13-May-94	30-Mar-94
PARAMETER	UNIT	Minimum PRG Value	Ecological PRG	NYSDEC TAGM 4046	VALUE Q	VALUE Q	VALUE Q	VALUE Q	VALUE Q
NITROAROMATICS									
1,3,5-Trinitrobenzene	UG/KG	3,910 714							
1,3-Dinitrobenzene	UG/KG	7,821 429							
2,4,6-Trinitrotoluene	UG/KG	21,291 667							
2,4-Dinitrotoluene	UG/KG	156,428.571	5,060						
2,6-Dinitrotoluene	UG/KG	78,214.286		1,000.					
2-amino-4,6-Dinitrotoluene	UG/KG								
4-amino-2,6-Dinitrotoluene	UG/KG								
HMX	UG/KG								
RDX	UG/KG								
Tetryl	UG/KG								
SEMIVOLATILE ORGANICS									
1,2,4-Trichlorobenzene	UG/KG	782.142 857	1,132,060	3,400	360 U	360 U	360 U	360 U	480 U
1,2-Dichlorobenzene	UG/KG	7,039,285 714		7,900	360 U	360 U	360 U	360 U	480 U
1,3-Dichlorobenzene	UG/KG	6,961,071 429		1,600.	360 U	360 U	360 U	360 U	480 U
1,4-Dichlorobenzene	UG/KG	26,614 583		8,500	360 U	360 U	360 U	360 U	480 U
2,2'-oxybis(1-Chloropropane)	UG/KG				360 U	360 U	360 U	360 U	480 U
2 4,5-Trichlorophenol	UG/KG	7,821,428 571		100	880 U	880 U	880 U	880 U	1,200 U
2,4,6-Trichlorophenol	UG/KG	58,068 182			360 U	360 U	360 U	360 U	480 U
2,4-Dichlorophenol	UG/KG	234,642 857		400	360 U	360 U	360 U	360 U	480 U
2,4-Dimethylphenol	UG/KG	1,564,285 714			360 U	360 U	360 U	360 U	480 U
2,4-Dinitrophenol	UG/KG	156 428 571		200	880 U	880 U	880 U	880 U	1,200 U
2,4-Dinitrotoluene	UG/KG	156,428 571	5,060		360 U	360 U	360 U	360 U	480 U
2,6-Dinitrotoluene	UG/KG	78,214 286		1,000	360 U	360 U	360 U	360 U	480 U
2-Chloronaphthalene	UG/KG				360 U	360 U	360 U	360 U	480 U
2-Chlorophenol	UG/KG	391,071 429	83,200	800	360 U	360 U	360 U	360 U	480 U
2-Methylnaphthalene	UG/KG		962,620	36,400	360 U	360 U	360 U	360 U	480 U
2-Methylphenol	UG/KG	3,910,714 286		100	360. U	360. U	360 U	360 U	480 U
2-Nitroaniline	UG/KG	4,692 857		430	880 U	880 U	880. U	880 U	1,200 U
2-Nitrophenol	UG/KG			330	360 U	360 U	360. U	360 U	480 U
3,3'-Dichlorobenzidine	UG/KG	1,419.444			360 U	360 U	360. U	360 U	480 U
3-Nitroaniline	UG/KG	234,642.857		500	880 U	880 U	880 U	880 U	1,200 U
4,6-Dinitro-2-methylphenol	UG/KG				880. U	880 U	880. U	880 U	1,200 U
4-Bromophenyl phenyl ether	UG/KG	4,536,428 571			360 U	360 U	360 U	360 U	480 U
4-Chloro-3-methylphenol	UG/KG			240	360. U	360 U	360. U	360 U	480 U
4-Chloroaniline	UG/KG	312,857 143		220	360 U	360 U	360 U	360 U	480 U
4-Chlorophenyl phenyl ether	UG/KG				360. U	360 U	360 U	360 U	480 U
4-Methylphenol	UG/KG			900	360 U	360 U	360. U	360 U	480 U
4-Nitroaniline	UG/KG	234,642 857			880 U	880 U	880 U	880 U	1,200 U
4-Nitrophenol	UG/KG	4,692,857 143	18,680.	100	880 U	880 U	880 U	880 U	1,200 U
Acenaphthene	UG/KG		2,268,070	50,000	360 U	360 U	360 U	360 U	480 U
Acenaphthylene	UG/KG		33,460	41,000	360. U	360 U	360 U	360 U	480 U
Anthracene	UG/KG	23,464,285 71	1,269,040	50,000	360 U	360 U	360 U	360 U	480 U
Benzo[a]anthracene	UG/KG	875	1,476,040.	224	36 J	36 J	360 U	360 U	480 U
Benzo[a]pyrene	UG/KG	87 5	562,720	61	39 J	39 J	360 U	360 U	480 U
Benzo[b]fluoranthene	UG/KG	875	59,750	1,100	29 J	29 J	360 U	360 U	480 U
Benzo[ghi]perylene	UG/KG		76,250	50,000	110 J	110 J	360 U	360 U	480 U
Benzo[k]fluoranthene	UG/KG	8,750	72,640	1,100	31 J	31 J	360 U	360 U	480 U

				STUDY ID	ESI	ESI	ESI	ESI	ESI
				SITE	SEAD-64B	SEAD-64B	SEAD-64B	SEAD-64B	SEAD-67
				LOC ID	MW64B-1	MW64B-1	MW64B-1	MW64B-1	MW67-2
				LOC TYPE	BACKGROUND	BACKGROUND	BACKGROUND	BACKGROUND	BACKGROUND
				SAMP_ID	MW64B-1-03	MW64B-1-2	MW64B-1-04	MW64B-1-3	MW67-2-00
				QC CODE	SA	SA	SA	SA	SA
				SAMP. DETH TOP	4	4	6	6	0
				SAMP. DEPTH BOT	6	6	8	8	0 2
				MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL
				SAMP. DATE	13-May-94	13-May-94	13-May-94	13-May-94	30-Mar-94
PARAMETER	UNIT	Minimum PRG Value	Ecological PRG	NYSDEC TAGM 4046	VALUE Q	VALUE Q	VALUE Q	VALUE Q	VALUE Q
Benzoic Acid	UG/KG	312,857,142 9		2,700					
Benzyl alcohol	UG/KG								
Bis(2-Chloroethoxy)methane	UG/KG				360 U	360 U	360 U	360 U	480 U
Bis(2-Chloroethyl)ether	UG/KG	580.682			360 U	360 U	360 U	360 U	480 U
Bis(2-Chloroisopropyl)ether	UG/KG	9,125							
Bis(2-Ethylhexyl)phthalate	UG/KG	45,625	39,350	50,000	360 U	360 U	360 U	360 U	480 U
Butylbenzylphthalate	UG/KG	15,642,857 14		50,000	360 U	360 U	360 U	360 U	480 U
Carbazole	UG/KG	31,937 5			360 U	360 U	360 U	360 U	480 U
Chrysene	UG/KG	87,500	93,300	400	34 J	34 J	360 U	360 U	480 U
Di-n-butylphthalate	UG/KG		94,697,730	8,100	360 U	360 U	360 U	360 U	480 U
Di-n-octylphthalate	UG/KG	1,564,285 714		50,000	360 U	360 U	360 U	360 U	480 U
Dibenz[a,h]anthracene	UG/KG	87 5	53,680	14	360 U	360 U	360 U	360 U	480 U
Dibenzofuran	UG/KG	312,857 143		6,200	360 U	360 U	360 U	360 U	480 U
Diethyl phthalate	UG/KG	62,571,428 57	7,665,910	7,100	360 U	360 U	360 U	360 U	480 U
Dimethylphthalate	UG/KG	782,142,857 1		2,000	360 U	360 U	360 U	360 U	480 U
Fluoranthene	UG/KG	3,128,571 429	7,849,900	50,000	46 J	46 J	360 U	360 U	36 J
Fluorene	UG/KG	3,128,571 429	1,755,510	50,000	360 U	360 U	360 U	360 U	480 U
Hexachlorobenzene	UG/KG	399 219		410	360 U	360 U	360 U	360 U	480 U
Hexachlorobutadiene	UG/KG	8 189 103			360 U	360 U	360 U	360 U	480 U
Hexachlorocyclopentadiene	UG/KG	547,500			360 U	360 U	360 U	360 U	480 U
Hexachloroethane	UG/KG	45 625			360 U	360 U	360 U	360 U	480 U
Indeno[1 2 3 cd]pyrene	UG/KG	875	47,630	3,200	29 J	29 J	360 U	360 U	480 U
Isophorone	UG/KG			4,400	360 U	360 U	360 U	360 U	480 U
N-Nitrosodiphenylamine	UG/KG	130 357 143			360 U	360 U	360 U	360 U	480 U
N-Nitrosodipropylamine	UG/KG	817 6	1 454,550		360 U	360 U	360 U	360 U	480 U
Naphthalene	UG/KG	3,128 571 429	149,740	13,000	360 U	360 U	360 U	360 U	480 U
Nitrobenzene	UG/KG	39,107 143		200	360 U	360 U	360 U	360 U	480 U
Pentachlorophenol	UG/KG	5,322 917	1,415,560	1,000	880 U	880 U	880 U	880 U	1,200 U
Phenanthrene	UG/KG		325,820	50,000	26 J	26 J	360 U	360 U	480 U
Phenol	UG/KG	46,928,571 43	79,520	30	360 U	360 U	360 U	360 U	480 U
Pyrene	UG/KG	2,346,428 571	2,420,460	50,000	64 J	64 J	360 U	360 U	31 J
PESTICIDES/PCBs									
4,4'-DDD	UG/KG	2,661 458	874,990	2,900	3 6 U	3 6 U	3 6 U	3 6 U	4 8 U
4,4'-DDE	UG/KG	1,878 676	86,590	2,100	3 6 U	3 6 U	3 6 U	3 6 U	4 8 U
4,4'-DDT	UG/KG	1,878 676	8,870	2,100	3 6 U	3 6 U	3 6 U	3 6 U	4 8 U
Aldrin	UG/KG	37 574	2,750	41	1 9 U	1 9 U	1 6 J	1 6 J	2 5 U
Alpha-BHC	UG/KG			110	1 9 U	1 9 U	1 9 U	1 9 U	2 5 U
Alpha-Chlordane	UG/KG		142,090		1 9 U	1 9 U	1 9 U	1 9 U	2 5 U
Aroclor-1016	UG/KG	5,475			36 U	36 U	36 U	36 U	48 U
Aroclor-1221	UG/KG				74 U	74 U	74 U	74 U	97 U
Aroclor-1232	UG/KG				36 U	36 U	36 U	36 U	48 U
Aroclor-1242	UG/KG		12,879,550		36 U	36 U	36 U	36 U	48 U
Aroclor-1248	UG/KG				36 U	36 U	36 U	36 U	48 U
Aroclor-1254	UG/KG	1,564 286	3,925,000	10,000	36 U	36 U	36 U	36 U	48 U
Aroclor-1260	UG/KG		2,272,730	10,000	36 U	36 U	36 U	36 U	48 U
Beta-BHC	UG/KG		11,060	200	1 9 U	1 9 U	1 9 U	1 9 U	2 5 U
Delta-BHC	UG/KG			300	1 9 U	1 9 U	1 9 U	1 9 U	2 5 U
Dieldrin	UG/KG	39 922		44	3 6 U	3 6 U	3 6 U	3 6 U	4 8 U
Endosulfan I	UG/KG	469,285 714	131,820	900	1 9 U	1 9 U	1 9 U	1 9 U	4

				STUDY ID	ESI	ESI	ESI	ESI	ESI
				SITE	SEAD-64B	SEAD-64B	SEAD-64B	SEAD-64B	SEAD-67
				LOC ID	MW64B-1	MW64B-1	MW64B-1	MW64B-1	MW67-2
				LOC TYPE	BACKGROUND	BACKGROUND	BACKGROUND	BACKGROUND	BACKGROUND
				SAMP_ID	MW64B-1-03	MW64B-1-2	MW64B-1-04	MW64B-1-3	MW67-2-00
				QC CODE	SA	SA	SA	SA	SA
				SAMP DETH TOP	4	4	6	6	0
				SAMP DEPTH BOT	6	6	8	8	0 2
				MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL
				SAMP DATE	13-May-94	13-May-94	13-May-94	13-May-94	30-Mar-94
PARAMETER	UNIT	Minimum PRG Value	Ecological PRG	NYSDEC TAGM 4046	VALUE Q	VALUE Q	VALUE Q	VALUE Q	VALUE Q
Endosulfan II	UG/KG	469,285 714		900	3 6 U	3 6 U	3 6 U	3 6 U	4 8 U
Endosulfan sulfate	UG/KG		15,820	1,000	3 6 U	3 6 U	3 6 U	3 6 U	4 8 U
Endrin aldehyde	UG/KG	23,464 286	6,350		3.6 U	3.6 U	3 6 U	3 6 U	4 8 U
Endrin ketone	UG/KG	23,464 286	6,350		3.6 U	3 6 U	3 6 U	3 6 U	4 8 U
Endrin	UG/KG	23,464 286	240,910	100	3 6 U	3 6 U	3 6 U	3 6 U	4 8 U
Gamma-BHC/Lindane	UG/KG	491 346		60	1 9 U	1 9 U	1 9 U	1 9 U	2 5 U
Gamma-Chlordane	UG/KG		47,360	540	1 9 U	1 9 U	1 9 U	1 9 U	2 5 U
Heptachlor epoxide	UG/KG	70 192	10	20	1 9 U	1 9 U	1 9 U	1 9 U	5 5
Heptachlor	UG/KG	141 944	28,620	100	1.9 U	1 9 U	1.9 U	1 9 U	2 5 U
Methoxychlor	UG/KG	391,071 429			19 U	19 U	19 U	19 U	25 U
Toxaphene	UG/KG				190 U	190 U	190 U	190 U	250 U
METALS									
Aluminum	UG/KG	78,214,285 71		19,520,000	8,870,000	8,870,000	7,620,000	7,620,000	16,700,000
Antimony	UG/KG	31,285 714	18,437,230	6,000	150 UJ	150 UJ	150 UJ	150 UJ	270 J
Arsenic	UG/KG	425 833	223,670	8,900	4,300	4,300	5,500	5,500	4,400
Barium	UG/KG	5,475,000	91,840	300,000	70,800	70,800	76,700	76,700	114,000
Beryllium	UG/KG	148 547	6,570	1,130	430 J	430 J	370 J	370 J	670 J
Cadmium	UG/KG	39,107 143	737,770	2,460	640 J	640 J	540 J	540 J	200 J
Calcium	UG/KG			125,300,000	70,000,000	70,000,000	75,900,000	75,900,000	3,580,000
Chromium	UG/KG	78,214,285 71	850,430	30,000	14,100	14,100	13,500	13,500	19,500
Cobalt	UG/KG	4,692,857 143		30,000	10,000	10,000	7,400 J	7,400 J	7,500 J
Copper	UG/KG	3,128,571 429	827,810	33,000	20,200	20,200	17,600	17,600	16,500
Cyanide	UG/KG		13,636,360	350	500 U	500 U	480 U	480 U	640 U
Iron	UG/KG	23,464,285 71		37,410,000	18,400,000	18,400,000	17,100,000	17,100,000	20,500,000
Lead	UG/KG		181,460	24,400	8,800	8,800	8,300	8,300	17,500
Magnesium	UG/KG			21,700,000	18,900,000	18,900,000	21,500,000	21,500,000	3,590,000
Manganese	UG/KG	1 798,928 571	8,821,860	1,100,000	434,000	434,000	389,000	389,000	438,000
Mercury	UG/KG	23,464 286	1,710	100	20 J	20 J	10 U	10 U	40
Nickel	UG/KG	1,564,285 714	2,833,820	50,000	28,200	28,200	22,600	22,600	18,700
Potassium	UG/KG			2,623,000	1,630,000	1,630,000	1,650,000	1,650,000	1,780,000 J
Selenium	UG/KG	391,071 429	193,140	2,000	260 U	260 U	570 J	570 J	810
Silver	UG/KG	391,071 429		800	110 UJ	110 UJ	110 UJ	110 UJ	110 U
Sodium	UG/KG			188,000	96,800 J	96,800 J	79,600 J	79,600 J	25,100 U
Thallium	UG/KG	6,257 143		855	240 U	240 U	240 U	240 U	480 J
Vanadium	UG/KG	547,500		150,000	14,800	14,800	14,200	14,200	28,200
Zinc	UG/KG	23,464,285 71		115,000	59,000	59,000	45,600	45,600	64,800
OTHER ANALYSES									
Fluoride	UG/KG	4,692,857 143							
Nitrate/Nitrite	UG/KG								
Total Petroleum Hydrocarbon	UG/KG								

				STUDY ID	ESI	ESI	ESI	ESI	ESI
				SITE	SEAD-67	SEAD-67	SEAD-70	SEAD-70	SEAD-70
				LOC ID	MW67-2	MW67-2	MW70-1	MW70-1	MW70-1
				LOC TYPE	BACKGROUND	BACKGROUND	BACKGROUND	BACKGROUND	BACKGROUND
				SAMP_ID	MW67-2-02	MW67-2-03	MW70-1-00	MW70-1-02	MW70-1-03
				QC CODE	SA	SA	SA	SA	SA
				SAMP DETH TOP	2	4	0	2	4
				SAMP DEPTH BOT	4	5	0.2	4	6
				MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL
				SAMP DATE	30-Mar-94	30-Mar-94	11-May-94	11-May-94	11-May-94
PARAMETER	UNIT	Minimum PRG Value	Ecological PRG	NYSDEC TAGM 4046	VALUE Q	VALUE Q	VALUE Q	VALUE Q	VALUE Q
VOLATILE ORGANICS									
1,1,1-Trichloroethane	UG/KG	2,737,500	957,110	800	12 U	11 U	14 U	12 U	11 U
1,1,2,2-Tetrachloroethane	UG/KG	31,937.5		600	12 U	11 U	14 U	12 U	11 U
1,1,2-Trichloroethane	UG/KG	11,206.14			12 U	11 U	14 U	12 U	11 U
1,1-Dichloroethane	UG/KG	7,821,428.571		200	12 U	11 U	14 U	12 U	11 U
1,1-Dichloroethene	UG/KG	1,064.583		400	12 U	11 U	14 U	12 U	11 U
1,2-Dichloroethane	UG/KG	7,019.231		100	12 U	11 U	14 U	12 U	11 U
1,2-Dichloroethene (total)	UG/KG				12 U	11 U	14 U	12 U	11 U
1,2-Dichloropropane	UG/KG	9,393.382			12 U	11 U	14 U	12 U	11 U
Acetone	UG/KG	7,821,428.571	34,270	200	12 U	11 U	14 U	14 U	11 U
Benzene	UG/KG	22,025.862	247,370	60	12 U	11 U	14 U	12 U	11 U
Bromodichloromethane	UG/KG	10,302.419			12 U	11 U	14 U	12 U	11 U
Bromoform	UG/KG	80,854.43			12 U	11 U	14 U	12 U	11 U
Carbon disulfide	UG/KG	7,821,428.571	53,000	2,700	12 U	11 U	14 U	12 U	11 U
Carbon tetrachloride	UG/KG	4,913.462		600	12 U	11 U	14 U	12 U	11 U
Chlorobenzene	UG/KG	1,564,285.714		1,700	12 U	11 U	14 U	12 U	11 U
Chlorodibromomethane	UG/KG	7,604.167			12 U	11 U			
Chloroethane	UG/KG	31,285,714.29		1,900	12 U	11 U	14 U	12 U	11 U
Chloroform	UG/KG	104,713.115	194,610	300	12 U	11 U	14 U	12 U	11 U
Cis-1,3-Dichloropropene	UG/KG				12 U	11 U	14 U	12 U	11 U
Ethyl benzene	UG/KG	7,821,428.571	1,720,290	5,500	12 U	11 U	14 U	12 U	11 U
Methyl Tertbutyl Ether	UG/KG								
Methyl bromide	UG/KG	111,846.429			12 U	11 U			
Methyl butyl ketone	UG/KG				12 U	11 U			
Methyl chloride	UG/KG	49,134.615			12 U	11 U			
Methyl ethyl ketone	UG/KG		421,380	300	12 U	11 U			
Methyl isobutyl ketone	UG/KG	6,257,142.857		1,000	12 U	11 U			
Methylene chloride	UG/KG	85,166.667	132,030	100	12 U	11 U	14 U	12 U	11 U
Styrene	UG/KG				12 U	11 U	14 U	12 U	11 U
Tetrachloroethene	UG/KG	12,283.654	6,454,550	1,400	12 U	11 U	14 U	12 U	11 U
Toluene	UG/KG	15,642,857.14	1,552,560	1,500	12 U	11 U	14 U	12 U	11 U
Total Xylenes	UG/KG	156,428,571.4	5,642,680	1,200	12 U	11 U	14 U	12 U	11 U
Trans-1,3-Dichloropropene	UG/KG				12 U	11 U	14 U	12 U	11 U
Trichloroethene	UG/KG	58,068.182		700	12 U	11 U	14 U	12 U	11 U
Vinyl acetate	UG/KG	78,214,285.71							
Vinyl chloride	UG/KG	336.184		200	12 U	11 U	14 U	12 U	11 U
HERBICIDES									
2,4,5-T	UG/KG			1,900					
2,4,5-TP/Silvex	UG/KG			700					
2,4-D	UG/KG			500					
2,4-DB	UG/KG								
Dalapon	UG/KG								
Dicamba	UG/KG		22,600						
Dichloroprop	UG/KG								
Dinoseb	UG/KG								
MCPA	UG/KG								
MCPP	UG/KG		818,180						

				STUDY ID	ESI	ESI	ESI	ESI	ESI
				SITE	SEAD-67	SEAD-67	SEAD-70	SEAD-70	SEAD-70
				LOC ID	MW67-2	MW67-2	MW70-1	MW70-1	MW70-1
				LOC TYPE	BACKGROUND	BACKGROUND	BACKGROUND	BACKGROUND	BACKGROUND
				SAMP_ID	MW67-2-02	MW67-2-03	MW70-1-00	MW70-1-02	MW70-1-03
				QC CODE	SA	SA	SA	SA	SA
				SAMP DETH TOP	2	4	0	2	4
				SAMP DEPTH BOT	4	5	0 2	4	6
				MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL
				SAMP DATE	30-Mar-94	30-Mar-94	11-May-94	11-May-94	11-May-94
PARAMETER	UNIT	Minimum PRG Value	Ecological PRG	NYSDEC TAGM 4046	VALUE Q	VALUE Q	VALUE Q	VALUE Q	VALUE Q
NITROAROMATICS									
1,3,5-Trinitrobenzene	UG/KG	3,910 714							
1,3-Dinitrobenzene	UG/KG	7,821 429							
2,4,6-Trinitrotoluene	UG/KG	21,291.667							
2,4-Dinitrotoluene	UG/KG	156,428 571	5,060						
2,6-Dinitrotoluene	UG/KG	78,214 286		1,000					
2-amino-4,6-Dinitrotoluene	UG/KG								
4-amino-2,6-Dinitrotoluene	UG/KG								
HMX	UG/KG								
RDX	UG/KG								
Tetryl	UG/KG								
SEMIVOLATILE ORGANICS									
1,2,4-Trichlorobenzene	UG/KG	782,142 857	1,132,060	3,400	380 U	370 U	490 U	400 U	370 U
1,2-Dichlorobenzene	UG/KG	7,039,285 714		7,900	380 U	370 U	490 U	400 U	370 U
1,3-Dichlorobenzene	UG/KG	6,961,071 429		1,600	380 U	370 U	490 U	400 U	370 U
1,4-Dichlorobenzene	UG/KG	26,614 583		8,500	380 U	370 U	490 U	400 U	370 U
2,2'-oxybis(1-Chloropropane)	UG/KG				380 U	370 U	490 U	400 U	370 U
2,4,5-Trichlorophenol	UG/KG	7,821,428 571		100	930 U	890 U	1,200 U	960 U	890 U
2,4,6-Trichlorophenol	UG/KG	58,068 182			380 U	370 U	490 U	400 U	370 U
2,4-Dichlorophenol	UG/KG	234,642 857		400	380 U	370 U	490 U	400 U	370 U
2,4-Dimethylphenol	UG/KG	1,564,285 714			380 U	370 U	490 U	400 U	370 U
2,4-Dinitrophenol	UG/KG	156,428 571		200	930 U	890 U	1,200 U	960 U	890 U
2,4-Dinitrotoluene	UG/KG	156,428 571	5,060		380 U	370 U	490 U	400 U	370 U
2,6-Dinitrotoluene	UG/KG	78,214 286		1,000	380 U	370 U	490 U	400 U	370 U
2-Chloronaphthalene	UG/KG				380 U	370 U	490 U	400 U	370 U
2-Chlorophenol	UG/KG	391,071 429	83,200	800	380 U	370 U	490 U	400 U	370 U
2-Methylnaphthalene	UG/KG		962,620	36,400	380 U	370 U	490 U	400 U	370 U
2-Methylphenol	UG/KG	3,910,714 286		100	380 U	370 U	490 U	400 U	370 U
2-Nitroaniline	UG/KG	4,692 857		430	930 U	890 U	1,200 U	960 U	890 U
2-Nitrophenol	UG/KG			330	380 U	370 U	490 U	400 U	370 U
3,3'-Dichlorobenzidine	UG/KG	1,419 444			380 U	370 U			
3-Nitroaniline	UG/KG	234,642 857		500	930 U	890 U	1,200 U	960 U	890 U
4,6-Dinitro-2-methylphenol	UG/KG				930 U	890 U	1,200 U	960 U	890 U
4-Bromophenyl phenyl ether	UG/KG	4,536,428 571			380 U	370 U	490 U	400 U	370 U
4-Chloro-3-methylphenol	UG/KG			240	380 U	370 U	490 U	400 U	370 U
4-Chloroaniline	UG/KG	312 857 143		220	380 U	370 U	490 U	400 U	370 U
4-Chlorophenyl phenyl ether	UG/KG				380 U	370 U	490 U	400 U	370 U
4-Methylphenol	UG/KG			900	380 U	370 U	490 U	400 U	370 U
4-Nitroaniline	UG/KG	234,642 857			930 U	890 U	1,200 U	960 U	890 U
4-Nitrophenol	UG/KG	4,692,857 143	18,680	100	930 U	890 U	1,200 U	960 U	890 U
Acenaphthene	UG/KG		2,268,070	50,000	380 U	370 U	490 U	400 U	370 U
Acenaphthylene	UG/KG		33,460	41,000	380 U	370 U	490 U	400 U	370 U
Anthracene	UG/KG	23,464,285 71	1,269,040	50,000	380 U	370 U	490 U	400 U	370 U
Benzo[a]anthracene	UG/KG	875	1,476,040	224	380 U	370 U	490 U	400 U	370 U
Benzo[a]pyrene	UG/KG	87 5	562,720	61	380 U	370 U	490 U	400 U	370 U
Benzo[b]fluoranthene	UG/KG	875	59,750	1,100	380 U	370 U	490 U	400 U	370 U
Benzo[ghi]perylene	UG/KG		76,250	50,000	380 U	370 U	490 U	400 U	370 U
Benzo[k]fluoranthene	UG/KG	8,750	72,640	1,100	380 U	370 U			

				STUDY ID	ESI	ESI	ESI	ESI	ESI
				SITE	SEAD-67	SEAD-67	SEAD-70	SEAD-70	SEAD-70
				LOC ID	MW67-2	MW67-2	MW70-1	MW70-1	MW70-1
				LOC TYPE	BACKGROUND	BACKGROUND	BACKGROUND	BACKGROUND	BACKGROUND
				SAMP_ID	MW67-2-02	MW67-2-03	MW70-1-00	MW70-1-02	MW70-1-03
				QC CODE	SA	SA	SA	SA	SA
				SAMP_DETH TOP	2	4	0	2	4
				SAMP_DEPTH BOT	4	5	0.2	4	6
				MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL
				SAMP_DATE	30-Mar-94	30-Mar-94	11-May-94	11-May-94	11-May-94
PARAMETER	UNIT	Minimum PRG Value	Ecological PRG	NYSDEC TAGM 4046	VALUE Q	VALUE Q	VALUE Q	VALUE Q	VALUE Q
Benzoic Acid	UG/KG	312,857,142.9		2,700					
Benzyl alcohol	UG/KG								
Bis(2-Chloroethoxy)methane	UG/KG				380 U	370 U	490 U	400 U	370 U
Bis(2-Chloroethyl)ether	UG/KG	580.682			380 U	370 U	490 U	400 U	370 U
Bis(2-Chloroisopropyl)ether	UG/KG	9,125							
Bis(2-Ethylhexyl)phthalate	UG/KG	45,625	39,350.	50,000	250 J	230 J	78 J	550	610
Butylbenzylphthalate	UG/KG	15,642,857.14		50,000.	380 U	370 U	490 U	400 U	370 U
Carbazole	UG/KG	31,937.5			380 U	370 U	490 U	400 U	370 U
Chrysene	UG/KG	87,500	93,300.	400.	380 U	370 U	490 U	400 U	370 U
Di-n-butylphthalate	UG/KG		94,697,730.	8,100	47 J	370 U	490 U	400 U	370 U
Di-n-octylphthalate	UG/KG	1,564,285.714		50,000	380 U	370 U	490 U	400 U	370 U
Dibenz[a,h]anthracene	UG/KG	87.5	53,680.	14	380 U	370 U	490 U	400 U	370 U
Dibenzofuran	UG/KG	312,857.143		6,200	380 U	370 U	490 U	400 U	370 U
Diethyl phthalate	UG/KG	62,571,428.57	7,665,910.	7,100.	380 U	370 U	490 U	400 U	370 U
Dimethylphthalate	UG/KG	782,142,857.1		2,000	380 U	370 U	490 U	400 U	370 U
Fluoranthene	UG/KG	3,128,571.429	7,849,900.	50,000	380 U	370 U	490 U	400 U	370 U
Fluorene	UG/KG	3,128,571.429	1,755,510.	50,000	380 U	370 U	490 U	400 U	370 U
Hexachlorobenzene	UG/KG	399.219		410	380 U	370 U	490 U	400 U	370 U
Hexachlorobutadiene	UG/KG	8,189.103			380 U	370 U	490 U	400 U	370 U
Hexachlorocyclopentadiene	UG/KG	547,500			380 U	370 U	490 U	400 U	370 U
Hexachloroethane	UG/KG	45,625			380 U	370 U	490 U	400 U	370 U
Indeno[1,2,3-cd]pyrene	UG/KG	875	47,630	3,200	380 U	370 U	490 U	400 U	370 U
Isophorone	UG/KG			4,400	380 U	370 U	490 U	400 U	370 U
N-Nitrosodiphenylamine	UG/KG	130,357.143			380 U	370 U	490 U	400 U	370 U
N-Nitrosodipropylamine	UG/KG	817.6	1,454,550		380 U	370 U	490 U	400 U	370 U
Naphthalene	UG/KG	3,128,571.429	149,740	13,000	380 U	370 U	490 U	400 U	370 U
Nitrobenzene	UG/KG	39,107.143		200	380 U	370 U	490 U	400 U	370 U
Pentachlorophenol	UG/KG	5,322.917	1,415,560	1,000	930 U	890 U	1,200 U	960 U	890 U
Phenanthrene	UG/KG		325,820	50,000	380 U	370 U	490 U	400 U	370 U
Phenol	UG/KG	46,928,571.43	79,520	30	380 U	370 U	490 U	400 U	370 U
Pyrene	UG/KG	2,346,428.571	2,420,460	50,000	380 U	370 U	490 U	400 U	370 U
PESTICIDES/PCBs									
4,4'-DDD	UG/KG	2,661.458	874,990	2,900	3.8 U	3.7 U			
4,4'-DDE	UG/KG	1,878.676	86,590.	2,100	3.8 U	3.7 U			
4,4'-DDT	UG/KG	1,878.676	8,870.	2,100	3.8 U	3.7 U			
Aldrin	UG/KG	37.574	2,750.	41	2 U	1.9 U	2.5 U	2 U	1.9 U
Alpha-BHC	UG/KG			110	2 U	1.9 U	2.5 U	2 U	1.9 U
Alpha-Chlordane	UG/KG		142,090		2 U	1.9 U	2.5 U	2 U	1.9 U
Aroclor-1016	UG/KG	5,475			38 U	37 U	49 U	40 U	37 U
Aroclor-1221	UG/KG				78 U	74 U	99 U	81 U	74 U
Aroclor-1232	UG/KG				38 U	37 U	49 U	40 U	37 U
Aroclor-1242	UG/KG		12,879,550		38 U	37 U	49 U	40 U	37 U
Aroclor-1248	UG/KG				38 U	37 U	49 U	40 U	37 U
Aroclor-1254	UG/KG	1,564.286	3,925,000	10,000	38 U	37 U	49 U	40 U	37 U
Aroclor-1260	UG/KG		2,272,730	10,000	38 U	37 U	49 U	40 U	37 U
Beta-BHC	UG/KG		11,060	200	2 U	1.9 U	2.5 U	2 U	1.9 U
Delta-BHC	UG/KG			300	2 U	1.9 U	2.5 U	2 U	1.9 U
Dieldrin	UG/KG	39.922		44	3.8 U	3.7 U	4.9 U	4 U	3.7 U
Endosulfan I	UG/KG	469,285.714	131,820	900	2 U	1.9 U	2.5 U	2 U	1.9 U

				STUDY ID	ESI		ESI		ESI		ESI		ESI	
				SITE	SEAD-67		SEAD-67		SEAD-70		SEAD-70		SEAD-70	
				LOC ID	MW67-2		MW67-2		MW70-1		MW70-1		MW70-1	
				LOC TYPE	BACKGROUND		BACKGROUND		BACKGROUND		BACKGROUND		BACKGROUND	
				SAMP_ID	MW67-2-02		MW67-2-03		MW70-1-00		MW70-1-02		MW70-1-03	
				QC CODE	SA		SA		SA		SA		SA	
				SAMP. DEPTH TOP	2		4		0		2		4	
				SAMP. DEPTH BOT	4		5		0 2		4		6	
				MATRIX	SOIL		SOIL		SOIL		SOIL		SOIL	
				SAMP. DATE	30-Mar-94		30-Mar-94		11-May-94		11-May-94		11-May-94	
PARAMETER	UNIT	Minimum PRG Value	Ecological PRG	NYSDEC TAGM 4046	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q
Endosulfan II	UG/KG	469,285 714		900	3 8	U	3 7	U	4 9	U	4	U	3 7	U
Endosulfan sulfate	UG/KG		15,820	1,000	3 8	U	3 7	U	4 9	U	4	U	3 7	U
Endrin aldehyde	UG/KG	23,464 286	6,350		3 8	U	3 7	U	4 9	U	4	U	3 7	U
Endrin ketone	UG/KG	23,464 286	6,350		3 8	U	3 7	U	4 9	U	4	U	3 7	U
Endrin	UG/KG	23,464 286	240,910	100	3 8	U	3 7	U	4 9	U	4	U	3 7	U
Gamma-BHC/Lindane	UG/KG	491.346		60	2	U	1 9	U	2 5	U	2	U	1 9	U
Gamma-Chlordane	UG/KG		47,360	540	2	U	1 9	U	2 5	U	2	U	1 9	U
Heptachlor epoxide	UG/KG	70 192	10	20	2	U	1 9	U	2 5	U	2	U	1 9	U
Heptachlor	UG/KG	141 944	28,620	100	2	U	1 9	U	2 5	U	2	U	1 9	U
Methoxychlor	UG/KG	391,071 429			20	U	19	U	25	U	20	U	19	U
Toxaphene	UG/KG				200	U	190	U	250	U	200	U	190	U
METALS														
Aluminum	UG/KG	78,214,285 71		19,520,000	14,900,000		9,460,000		12,200,000		9,480,000		11,000,000	
Antimony	UG/KG	31,285 714	18,437,230	6,000	220	J	200	UJ	230	UJ	210	UJ	190	UJ
Arsenic	UG/KG	425 833	223,670	8,900	4,500		4,200		5,400		4,100		5,700	
Barium	UG/KG	5,475 000	91,840	300,000	105,000		80,800		67,500		56,600		79,900	
Beryllium	UG/KG	148 547	6,570	1,130	610	J	400	J	440	J	410	J	540	J
Cadmium	UG/KG	39,107 143	737,770	2,460	110	J	120	J	570	J	430	J	800	J
Calcium	UG/KG			125,300,000	79,000,000		77,800,000		3,600,000		51,600,000		48,600,000	
Chromium	UG/KG	78,214,285 71	850,430	30,000	22,500		14,800		13,700		14,700		17,800	
Cobalt	UG/KG	4,692,857 143		30,000	10,400	J	9,700	J	5,500	J	7,100	J	21,000	
Copper	UG/KG	3,128,571,429	827,810	33,000	20,300		20,500		12,400		19,700		33,500	
Cyanide	UG/KG		13,636,360	350	500	U	540	U	640	U	590	U	480	U
Iron	UG/KG	23,464,285 71		37,410,000	24,400,000		18,700,000		17,700,000		16,000,000		26,400,000	
Lead	UG/KG		181,460	24,400	9,300		8,500		20,700		9,100		13,600	
Magnesium	UG/KG			21,700,000	15,600,000		20,900,000		2,830,000		13,600,000		7,980,000	
Manganese	UG/KG	1,798,928 571	8,821,860	1,100,000	528,000		411,000		233,000		470,000		1,040,000	
Mercury	UG/KG	23,464 286	1,710	100	10	J	20	J	100		30	J	20	J
Nickel	UG/KG	1,564,285 714	2,833,820	50,000	32,300		25,900		12,300		17,600		52,400	
Potassium	UG/KG			2,623,000	3,160,000	J	1,970,000	J	982,000	J	1,590,000		1,350,000	
Selenium	UG/KG	391,071 429	193,140	2,000	360	U	340	U	1,000	J	640	J	320	U
Silver	UG/KG	391,071 429		800	150	U	140	U	160	UJ	140	UJ	130	UJ
Sodium	UG/KG			188,000	112,000	J	107,000	J	36,400	U	126,000	J	165,000	J
Thallium	UG/KG	6,257 143		855	340	U	320	U	370	U	330	U	310	U
Vanadium	UG/KG	547,500		150,000	24,800		16,500		23,300		17,200		17,600	
Zinc	UG/KG	23,464,285 71		115,000	62,000		60,100		55,400		42,400		116,000	
OTHER ANALYSES														
Fluoride	UG/KG	4,692,857 143												
Nitrate/Nitrite	UG/KG													
Total Petroleum Hydrocarbon	UG/KG													

				STUDY ID	
				SITE	
				LOC ID.	
				LOC TYPE	
				SAMP_ID	
				QC CODE	
				SAMP. DETH TOP	
				SAMP. DEPTH BOT	
				MATRIX	
				SAMP. DATE	
PARAMETER	UNIT	Minimum PRG Value	Ecological PRG	NYSDEC TAGM 4046	
VOLATILE ORGANICS					
1,1,1-Trichloroethane	UG/KG	2,737,500	957,110	800	14
1,1,2,2-Tetrachloroethane	UG/KG	31,937 5		600.	
1,1,2-Trichloroethane	UG/KG	11,206 14			
1,1-Dichloroethane	UG/KG	7,821,428 571		200	
1,1-Dichloroethene	UG/KG	1,064 583		400	
1,2-Dichloroethane	UG/KG	7,019 231		100	
1,2-Dichloroethene (total)	UG/KG				
1,2-Dichloropropane	UG/KG	9,393 382			
Acetone	UG/KG	7,821,428 571	34,270	200.	
Benzene	UG/KG	22,025 862	247,370	60	
Bromodichloromethane	UG/KG	10,302 419			
Bromoform	UG/KG	80,854 43			
Carbon disulfide	UG/KG	7,821,428 571	53,000	2,700	
Carbon tetrachloride	UG/KG	4,913 462		600	
Chlorobenzene	UG/KG	1,564,285 714		1,700.	
Chlorodibromomethane	UG/KG	7,604 167			
Chloroethane	UG/KG	31,285,714 29		1,900	
Chloroform	UG/KG	104,713 115	194,610	300	
Cis-1,3-Dichloropropene	UG/KG				
Ethyl benzene	UG/KG	7,821 428 571	1,720,290	5,500	
Methyl Tertbutyl Ether	UG/KG				
Methyl bromide	UG/KG	111 846 429			
Methyl butyl ketone	UG/KG				
Methyl chloride	UG/KG	49 134 615			
Methyl ethyl ketone	UG/KG		421,380	300	
Methyl isobutyl ketone	UG/KG	6,257 142 857		1,000	
Methylene chloride	UG/KG	85,166 667	132,030	100	
Styrene	UG/KG				
Tetrachloroethene	UG/KG	12,283 654	6,454,550	1,400	
Toluene	UG/KG	15,642,857 14	1,552,560	1,500	
Total Xylenes	UG/KG	156,428,571 4	5,642,680.	1,200.	
Trans-1,3-Dichloropropene	UG/KG				
Trichloroethene	UG/KG	58,068 182		700	
Vinyl acetate	UG/KG	78,214,285 71			
Vinyl chloride	UG/KG	336 184		200	
HERBICIDES					
2,4,5-T	UG/KG			1,900	
2,4,5-TP/Silvex	UG/KG			700	
2,4-D	UG/KG			500	
2,4-DB	UG/KG				
Dalapon	UG/KG				
Dicamba	UG/KG		22,600		
Dichloroprop	UG/KG				
Dinoseb	UG/KG				
MCPA	UG/KG				
MCPP	UG/KG		818,180		

STUDY ID	
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LOC TYPE	
SAMP_ID	
QC CODE	
SAMP_DETH TOP	
SAMP_DEPTH BOT	
MATRIX	
SAMP_DATE	

PARAMETER	UNIT	Minimum PRG Value	Ecological PRG	NYSDEC TAGM 4046
NITROAROMATICS				
1,3,5-Trinitrobenzene	UG/KG	3,910 714		
1,3-Dinitrobenzene	UG/KG	7,821 429		
2,4,6-Trinitrotoluene	UG/KG	21,291 667		
2,4-Dinitrotoluene	UG/KG	156,428 571	5,060.	
2,6-Dinitrotoluene	UG/KG	78,214 286		1,000
2-amino-4,6-Dinitrotoluene	UG/KG			
4-amino-2,6-Dinitrotoluene	UG/KG			
HMX	UG/KG			
RDX	UG/KG			
Tetryl	UG/KG			
SEMIVOLATILE ORGANICS				
1,2,4-Trichlorobenzene	UG/KG	782,142 857	1,132,060	3,400
1,2-Dichlorobenzene	UG/KG	7,039,285 714		7,900
1,3-Dichlorobenzene	UG/KG	6 961,071 429		1,600
1,4-Dichlorobenzene	UG/KG	26,614 583		8,500.
2,2'-oxybis(1-Chloropropane)	UG/KG			
2,4,5-Trichlorophenol	UG/KG	7,821 428 571		100
2,4,6-Trichlorophenol	UG/KG	58 068 182		
2,4-Dichlorophenol	UG/KG	234,642 857		400
2,4-Dimethylphenol	UG/KG	1,564,285 714		
2,4-Dinitrophenol	UG/KG	156,428 571		200
2,4-Dinitrotoluene	UG/KG	156,428 571	5,060	
2,6-Dinitrotoluene	UG/KG	78,214 286		1,000
2-Chloronaphthalene	UG/KG			
2-Chlorophenol	UG/KG	391,071 429	83,200	800
2-Methylnaphthalene	UG/KG		962,620	36,400
2-Methylphenol	UG/KG	3,910,714 286		100
2-Nitroaniline	UG/KG	4,692 857		430
2-Nitrophenol	UG/KG			330
3,3'-Dichlorobenzidine	UG/KG	1,419 444		
3-Nitroaniline	UG/KG	234,642 857		500
4,6-Dinitro-2-methylphenol	UG/KG			
4-Bromophenyl phenyl ether	UG/KG	4,536,428 571		
4-Chloro-3-methylphenol	UG/KG			240
4-Chloroaniline	UG/KG	312 857 143		220
4-Chlorophenyl phenyl ether	UG/KG			
4-Methylphenol	UG/KG			900.
4-Nitroaniline	UG/KG	234,642 857		
4-Nitrophenol	UG/KG	4,692,857 143	18,680	100.
Acenaphthene	UG/KG		2,268,070	50,000
Acenaphthylene	UG/KG		33,460	41,000
Anthracene	UG/KG	23,464,285 71	1,269,040	50,000
Benzo[a]anthracene	UG/KG	875	1,476,040	224
Benzo[a]pyrene	UG/KG	87 5	562,720	61
Benzo[b]fluoranthene	UG/KG	875	59,750	1,100
Benzo[ghi]perylene	UG/KG		76,250	50,000
Benzo[k]fluoranthene	UG/KG	8 750	72,640	1,100

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SAMP_DETH TOP	
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PARAMETER	UNIT	Minimum PRG Value	Ecological PRG	NYSDEC TAGM 4046
Benzoic Acid	UG/KG	312,857,142 9		2,700
Benzyl alcohol	UG/KG			
Bis(2-Chloroethoxy)methane	UG/KG			
Bis(2-Chloroethyl)ether	UG/KG	580 682		
Bis(2-Chloroisopropyl)ether	UG/KG	9,125		
Bis(2-Ethylhexyl)phthalate	UG/KG	45,625	39,350	50,000.
Butylbenzylphthalate	UG/KG	15,642,857 14		50,000
Carbazole	UG/KG	31,937 5		
Chrysene	UG/KG	87,500	93,300	400
Di-n-butylphthalate	UG/KG		94,697,730	8,100
Di-n-octylphthalate	UG/KG	1,564,285 714		50,000
Dibenz[a,h]anthracene	UG/KG	87 5	53,680.	14.
Dibenzofuran	UG/KG	312,857 143		6,200
Diethyl phthalate	UG/KG	62,571,428.57	7,665,910	7,100
Dimethylphthalate	UG/KG	782,142,857 1		2,000
Fluoranthene	UG/KG	3,128,571 429	7,849,900	50,000
Fluorene	UG/KG	3,128,571 429	1,755,510	50,000
Hexachlorobenzene	UG/KG	399 219		410
Hexachlorobutadiene	UG/KG	8,189 103		
Hexachlorocyclopentadiene	UG/KG	547,500		
Hexachloroethane	UG/KG	45,625		
Indeno[1,2,3-cd]pyrene	UG/KG	875	47,630	3,200
Isophorone	UG/KG			4,400
N-Nitrosodiphenylamine	UG/KG	130,357 143		
N-Nitrosodipropylamine	UG/KG	817 6	1,454,550	
Naphthalene	UG/KG	3,128,571 429	149,740.	13,000
Nitrobenzene	UG/KG	39,107 143		200
Pentachlorophenol	UG/KG	5,322 917	1,415,560	1,000.
Phenanthrene	UG/KG		325,820	50,000
Phenol	UG/KG	46,928,571 43	79,520	30
Pyrene	UG/KG	2,346,428 571	2,420,460	50,000
PESTICIDES/PCBs				
4,4'-DDD	UG/KG	2,661 458	874,990	2,900
4,4'-DDE	UG/KG	1,878 676	86,590.	2,100.
4,4'-DDT	UG/KG	1,878 676	8,870	2,100.
Aldrin	UG/KG	37 574	2,750	41
Alpha-BHC	UG/KG			110
Alpha-Chlordane	UG/KG		142,090.	
Aroclor-1016	UG/KG	5,475		
Aroclor-1221	UG/KG			
Aroclor-1232	UG/KG			
Aroclor-1242	UG/KG		12,879,550	
Aroclor-1248	UG/KG			
Aroclor-1254	UG/KG	1,564 286	3,925,000	10,000
Aroclor-1260	UG/KG		2,272,730.	10,000
Beta-BHC	UG/KG		11,060	200
Delta-BHC	UG/KG			300
Dieldrin	UG/KG	39 922		44
Endosulfan I	UG/KG	469,285 714	131,820	900

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QC CODE	
SAMP. DETH TOP	
SAMP. DEPTH BOT.	
MATRIX	
SAMP. DATE	

PARAMETER	UNIT	Minimum PRG Value	Ecological PRG	NYSDEC TAGM 4046
Endosulfan II	UG/KG	469,285 714		900
Endosulfan sulfate	UG/KG		15,820	1,000
Endrin aldehyde	UG/KG	23,464 286	6,350	
Endrin ketone	UG/KG	23,464 286	6,350	
Endrin	UG/KG	23,464 286	240,910.	100
Gamma-BHC/Lindane	UG/KG	491 346		60.
Gamma-Chlordane	UG/KG		47,360	540
Heptachlor epoxide	UG/KG	70 192	10	20
Heptachlor	UG/KG	141 944	28,620	100
Methoxychlor	UG/KG	391,071 429		
Toxaphene	UG/KG			
METALS				
Aluminum	UG/KG	78,214,285 71		19,520,000
Antimony	UG/KG	31,285 714	18,437,230	6,000
Arsenic	UG/KG	425 833	223,670	8,900
Barium	UG/KG	5,475,000	91,840	300,000
Beryllium	UG/KG	148 547	6,570	1,130
Cadmium	UG/KG	39 107 143	737,770	2,460
Calcium	UG/KG			125,300,000
Chromium	UG/KG	78 214 285 71	850,430	30,000
Cobalt	UG/KG	4,692,857 143		30,000
Copper	UG/KG	3 128 571 429	827,810	33,000
Cyanide	UG/KG		13,636,360	350
Iron	UG/KG	23,464,285 71		37,410,000
Lead	UG/KG		181,460	24,400
Magnesium	UG/KG			21,700,000
Manganese	UG/KG	1,798,928 571	8,821,860	1,100,000
Mercury	UG/KG	23,464 286	1,710	100
Nickel	UG/KG	1,564,285 714	2,833,820	50,000
Potassium	UG/KG			2,623,000
Selenium	UG/KG	391,071 429	193,140	2,000
Silver	UG/KG	391,071 429		800
Sodium	UG/KG			188,000
Thallium	UG/KG	6,257 143		855
Vanadium	UG/KG	547,500		150,000.
Zinc	UG/KG	23,464,285 71		115,000
OTHER ANALYSES				
Fluonde	UG/KG	4,692,857 143		
Nitrate/Nitnte	UG/KG			
Total Petroleum Hydrocarbon	UG/KG			

Seneca Army Depot Activity
Background Data
Sample and Duplicate Pair data

					STUDY ID	RI Phase 1 Step 1		RI Phase 1 Step 1	
					SITE	Ash Landfill		OB Grounds	
					LOC ID	B-8-91		GB35	
					LOC TYPE	BACKGROUND		BACKGROUND	
					SAMP_ID	S1105-26(1)SOIL1	S1105-25SOIL1	GB35-6DUGRID	GB35-1GRID
					QC CODE	DU	SA	DU	SA
					SAMP_DETH TOP	2	2	0	0
					SAMP_DEPTH BOT	4	4	2	2
					MATRIX	SOIL	SOIL	SOIL	SOIL
					SAMP_DATE	05-Nov-91	05-Nov-91	20-Jan-93	20-Jan-93
PARAMETER	UNIT	Minimum PRG Type	Minimum PRG Value	Ecological PRG	NYSDEC TAGM 4046	VALUE Q	VALUE Q	VALUE Q	VALUE Q
VOLATILE ORGANICS									
1,1,1-Trichloroethane	UG/KG	RESIDENTIAL (NON-CARCINOGE	2,737,500.	957,110.	800	6 U	5 U	13 U	12 U
1,1,2,2-Tetrachloroethane	UG/KG	RESIDENTIAL (CARCINOGEN)	31,937.5		600	6 U	5 U	13 U	12 U
1,1,2-Trichloroethane	UG/KG	RESIDENTIAL (CARCINOGEN)	11,206.14			6 U	5 U	13 U	12 U
1,1-Dichloroethane	UG/KG	RESIDENTIAL (NON-CARCINOGE	7,821,428.571		200	6 U	5 U	13 U	12 U
1,1-Dichloroethene	UG/KG	RESIDENTIAL (CARCINOGEN)	1,064.583		400	6 U	5 U	13 U	12 U
1,2-Dichloroethane	UG/KG	RESIDENTIAL (CARCINOGEN)	7,019.231		100	6 U	5 U	13 U	12 U
1,2-Dichloroethene (total)	UG/KG					6 U	5 U	13 U	12 U
1,2-Dichloropropane	UG/KG	RESIDENTIAL (CARCINOGEN)	9,393.382			6 U	5 U	13 U	12 U
Acetone	UG/KG	RESIDENTIAL (NON-CARCINOGE	7,821,428.571	34,270.	200	11 U	11 U	13 U	12 U
Benzene	UG/KG	RESIDENTIAL (CARCINOGEN)	22,025.862	247,370	60	6 U	5 U	13 U	12 U
Bromodichloromethane	UG/KG	RESIDENTIAL (CARCINOGEN)	10,302.419			6 U	5 U	13 U	12 U
Bromoform	UG/KG	RESIDENTIAL (CARCINOGEN)	80,854.43			6 U	5 U	13 U	12 U
Carbon disulfide	UG/KG	RESIDENTIAL (NON-CARCINOGE	7,821,428.571	53,000	2,700	6 U	5 U	13 U	12 U
Carbon tetrachloride	UG/KG	RESIDENTIAL (CARCINOGEN)	4,913.462		600	6 U	5 U	13 U	12 U
Chlorobenzene	UG/KG	RESIDENTIAL (NON-CARCINOGE	1,564,285.714		1,700	6 U	5 U	13 U	12 U
Chlorodibromomethane	UG/KG	RESIDENTIAL (CARCINOGEN)	7,604.167			6 U	5 U	13 U	12 U
Chloroethane	UG/KG	RESIDENTIAL (NON-CARCINOGE	31,285,714.29		1,900	11 U	11 U	13 U	12 U
Chloroform	UG/KG	RESIDENTIAL (CARCINOGEN)	104,713.115	194,610	300	4 J	5 U	13 U	12 U
Cis-1,3-Dichloropropene	UG/KG					6 U	5 U	13 U	12 U
Ethyl benzene	UG/KG	RESIDENTIAL (NON-CARCINOGE	7,821,428.571	1,720,290	5,500.	6 U	5 U	13 U	12 U
Methyl Tertbutyl Ether	UG/KG								
Methyl bromide	UG/KG	RESIDENTIAL (NON-CARCINOGE	111,846.429			11 U	11 U	13 U	12 U
Methyl butyl ketone	UG/KG					11 U	11 U	13 U	12 U
Methyl chloride	UG/KG	RESIDENTIAL (CARCINOGEN)	49,134.615			11 U	11 U	13 U	12 U
Methyl ethyl ketone	UG/KG			421,380	300	11 U	11 U	13 U	12 U
Methyl isobutyl ketone	UG/KG	RESIDENTIAL (NON-CARCINOGE	6,257,142.857		1,000	11 U	11 U	13 U	12 U
Methylene chloride	UG/KG	RESIDENTIAL (CARCINOGEN)	85,166.667	132,030	100	6 U	5 U	13 U	12 U
Styrene	UG/KG					6 U	5 U	13 U	12 U
Tetrachloroethene	UG/KG	RESIDENTIAL (CARCINOGEN)	12,283.654	6,454,550	1,400	6 U	5 U	13 U	12 U
Toluene	UG/KG	RESIDENTIAL (NON-CARCINOGE	15,642,857.14	1,552,560	1,500	6 U	5 U	13 U	12 U
Total Xylenes	UG/KG	RESIDENTIAL (NON-CARCINOGE	156,428,571.4	5,642,680	1,200	6 U	5 U	13 U	12 U
Trans-1,3-Dichloropropene	UG/KG					6 U	5 U	13 U	12 U
Trichloroethene	UG/KG	RESIDENTIAL (CARCINOGEN)	58,068.182		700	6 U	5 U	13 U	12 U
Vinyl acetate	UG/KG	RESIDENTIAL (NON-CARCINOGE	78,214,285.71			11 U	11 U		
Vinyl chloride	UG/KG	RESIDENTIAL (CARCINOGEN)	336.184		200.	11 U	11 U	13 U	12 U
HERBICIDES									
2,4,5-T	UG/KG				1,900	6 UJ	6 UJ		
2,4,5-TP/Silvex	UG/KG				700	6 UJ	6 UJ		
2,4-D	UG/KG				500	56 UJ	56 UJ		
2,4-DB	UG/KG					56 UJ	56 UJ		
Dalapon	UG/KG					130 UJ	130 UJ		
Dicamba	UG/KG			22,600		6 UJ	6 UJ		
Dichloroprop	UG/KG					56 UJ	56 UJ		
Dinoseb	UG/KG					28 UJ	28 UJ		
MCPA	UG/KG					5,600 UJ	5,600 UJ		
MCPP	UG/KG			818,180		5,600 UJ	5,600 UJ		

Seneca Army Depot Activity
Background Data
Sample and Duplicate Pair data

					STUDY ID	RI Phase 1 Step 1	RI Phase 1 Step 1	RI Phase 1 Step 1	RI Phase 1 Step 1
					SITE	Ash Landfill	Ash Landfill	OB Grounds	OB Grounds
					LOC ID	B-8-91	B-8-91	GB35	GB35
					LOC TYPE	BACKGROUND	BACKGROUND	BACKGROUND	BACKGROUND
					SAMP_ID	S1105-26(1)SOIL1	S1105-25SOIL1	GB35-6DUGRID	GB35-1GRID
					QC CODE	DU	SA	DU	SA
					SAMP DETH TOP	2	2	0	0
					SAMP DEPTH BOT	4	4	2	2
					MATRIX	SOIL	SOIL	SOIL	SOIL
					SAMP DATE	05-Nov-91	05-Nov-91	20-Jan-93	20-Jan-93
PARAMETER	UNIT	Minimum PRG Type	Minimum PRG Value	Ecological PRG	NYSDEC TAGM 4046	VALUE Q	VALUE Q	VALUE Q	VALUE Q
NITROAROMATICS									
1,3,5-Trinitrobenzene	UG/KG	RESIDENTIAL (NON-CARCINOGE	3,910.714					120 U	120 U
1,3-Dinitrobenzene	UG/KG	RESIDENTIAL (NON-CARCINOGE	7,821 429					120 U	120 U
2,4,6-Trinitrotoluene	UG/KG	RESIDENTIAL (CARCINOGEN)	21,291 667					120 U	120 U
2,4-Dinitrotoluene	UG/KG	RESIDENTIAL (NON-CARCINOGE	156,428 571	5,060				120 U	120 U
2,6-Dinitrotoluene	UG/KG	RESIDENTIAL (NON-CARCINOGE	78,214.286		1,000			120 U	120 U
2-amino-4,6-Dinitrotoluene	UG/KG							120 U	120 U
4-amino-2,6-Dinitrotoluene	UG/KG							120 U	120 U
HMX	UG/KG							120 U	75 J
RDX	UG/KG							120 U	120 U
Tetryl	UG/KG							120 U	120 U
SEMIVOLATILE ORGANICS									
1,2,4-Trichlorobenzene	UG/KG	RESIDENTIAL (NON-CARCINOGE	782,142 857	1,132,060	3,400	720 U	750 U	420 U	420 U
1,2-Dichlorobenzene	UG/KG	RESIDENTIAL (NON-CARCINOGE	7,039,285 714		7,900	720 U	750 U	420 U	420 U
1,3-Dichlorobenzene	UG/KG	RESIDENTIAL (NON CARCINOGE	6,961,071 429		1,600	720 U	750 U	420 U	420 U
1,4-Dichlorobenzene	UG/KG	RESIDENTIAL (CARCINOGEN)	26,614 583		8,500	720 U	750 U	420 U	420 U
2,2'-oxybis(1-Chloropropane)	UG/KG					#VALUE!	#VALUE!	420 U	420 U
2,4,5-Trichlorophenol	UG/KG	RESIDENTIAL (NON CARCINOGE	7,821,428 571		100	3,500 U	3,600 U	1,000 U	1,000 U
2,4,6-Trichlorophenol	UG/KG	RESIDENTIAL (CARCINOGEN)	58 068 182			720 U	750 U	420 U	420 U
2,4-Dichlorophenol	UG/KG	RESIDENTIAL (NON CARCINOGE	234,642 857		400	720 U	750 U	420 U	420 U
2,4-Dimethylphenol	UG/KG	RESIDENTIAL (NON CARCINOGE	1,564,285 714			720 U	750 U	420 U	420 U
2,4-Dinitrophenol	UG/KG	RESIDENTIAL (NON CARCINOGE	156,428 571		200	3,500 U	3,600 U	1,000 U	1,000 U
2,4-Dinitrotoluene	UG/KG	RESIDENTIAL (NON-CARCINOGE	156,428 571	5,060		720 U	750 U	420 U	420 U
2,6-Dinitrotoluene	UG/KG	RESIDENTIAL (NON-CARCINOGE	78,214 286		1,000	720 U	750 U	420 U	420 U
2-Chloronaphthalene	UG/KG					720 U	750 U	420 U	420 U
2-Chlorophenol	UG/KG	RESIDENTIAL (NON-CARCINOGE	391,071 429	83,200	800	720 U	750 U	420 U	420 U
2-Methylnaphthalene	UG/KG			962,620	36,400	720 U	750 U	420 U	420 U
2-Methylphenol	UG/KG	RESIDENTIAL (NON-CARCINOGE	3,910,714 286		100	720 U	750 U	420 U	420 U
2-Nitroaniline	UG/KG	RESIDENTIAL (NON-CARCINOGE	4,692.857		430	3,500 U	3,600 U	1,000 U	1,000 U
2-Nitrophenol	UG/KG				330	720 U	750 U	420 U	420 U
3,3`-Dichlorobenzidine	UG/KG	RESIDENTIAL (CARCINOGEN)	1,419 444			1,400 U	1,500 U	420 U	420 U
3-Nitroaniline	UG/KG	RESIDENTIAL (NON-CARCINOGE	234,642 857		500	3,500 U	3,600 U	1,000 U	1,000 U
4,6-Dinitro-2-methylphenol	UG/KG					3,500 U	3,600 U	1,000 U	1,000 U
4-Bromophenyl phenyl ether	UG/KG	RESIDENTIAL (NON-CARCINOGE	4,536,428 571			720 U	750 U	420 U	420 U
4-Chloro-3-methylphenol	UG/KG				240	720 U	750 U	420 U	420 U
4-Chloroaniline	UG/KG	RESIDENTIAL (NON-CARCINOGE	312,857 143		220	720 U	750 U	420 U	420 U
4-Chlorophenyl phenyl ether	UG/KG					720 U	750 U	420 U	420 U
4-Methylphenol	UG/KG				900	720 U	750 U	420 U	420 U
4-Nitroaniline	UG/KG	RESIDENTIAL (NON-CARCINOGE	234,642 857			3,500 U	3,600 U	1,000 U	1,000 U
4-Nitrophenol	UG/KG	RESIDENTIAL (NON-CARCINOGE	4,692,857 143	18,680	100	3,500 U	3,600 U	1,000 U	1,000 U
Acenaphthene	UG/KG			2,268,070	50,000	720 U	750 U	420 U	420 U
Acenaphthylene	UG/KG			33,460	41,000	720 U	750 U	420 U	420 U
Anthracene	UG/KG	RESIDENTIAL (NON-CARCINOGE	23,464,285 71	1,269,040	50,000	720 U	750 U	420 U	420 U
Benzo[a]anthracene	UG/KG	RESIDENTIAL (CARCINOGEN)	875	1,476,040	224	720 U	750 U	420 U	420 U
Benzo[a]pyrene	UG/KG	RESIDENTIAL (CARCINOGEN)	87 5	562,720	61	720 U	750 U	420 U	420 U
Benzo[b]fluoranthene	UG/KG	RESIDENTIAL (CARCINOGEN)	875	59,750	1,100	720 U	750 U	420 U	420 U
Benzo[ghi]perylene	UG/KG			76,250	50,000	720 U	750 U	420 U	420 U
Benzo[k]fluoranthene	UG/KG	RESIDENTIAL (CARCINOGEN)	8,750	72,640	1,100	720 U	750 U	420 U	420 U
Benzoic Acid	UG/KG	RESIDENTIAL (NON CARCINOGE	312,857,142 9		2,700	3,500 U	3,600 U		

Seneca Army Depot Activity
Background Data
Sample and Duplicate Pair data

					STUDY ID	RI Phase 1 Step 1	RI Phase 1 Step 1	RI Phase 1 Step 1	RI Phase 1 Step 1
					SITE	Ash Landfill	Ash Landfill	OB Grounds	OB Grounds
					LOC ID	B-8-91	B-8-91	GB35	GB35
					LOC TYPE	BACKGROUND	BACKGROUND	BACKGROUND	BACKGROUND
					SAMP_ID	S1105-26(1)SOIL1	S1105-25SOIL1	GB35-6DUGRID	GB35-1GRID
					QC CODE	DU	SA	DU	SA
					SAMP_DEPTH TOP	2	2	0	0
					SAMP_DEPTH BOT	4	4	2	2
					MATRIX	SOIL	SOIL	SOIL	SOIL
					SAMP_DATE	05-Nov-91	05-Nov-91	20-Jan-93	20-Jan-93
PARAMETER	UNIT	Minimum PRG Type	Minimum PRG Value	Ecological PRG	NYSDEC TAGM 4046	VALUE Q	VALUE Q	VALUE Q	VALUE Q
Benzyl alcohol	UG/KG					720 U	750 U		
Bis(2-Chloroethoxy)methane	UG/KG					720 U	750 U	420 U	420 U
Bis(2-Chloroethyl)ether	UG/KG	RESIDENTIAL (CARCINOGEN)	580.682			720 U	750 U	420 U	420 U
Bis(2-Chloroisopropyl)ether	UG/KG	RESIDENTIAL (CARCINOGEN)	9,125			720 U	750 U		
Bis(2-Ethylhexyl)phthalate	UG/KG	RESIDENTIAL (CARCINOGEN)	45,625	39,350	50,000	720 U	750 U	420 U	400 J
Butylbenzylphthalate	UG/KG	RESIDENTIAL (NON-CARCINOGE	15,642,857.14		50,000	720 U	750 U	420 U	420 U
Carbazole	UG/KG	RESIDENTIAL (CARCINOGEN)	31,937.5					420 U	420 U
Chrysene	UG/KG	RESIDENTIAL (CARCINOGEN)	87,500	93,300	400	720 U	750 U	420 U	420 U
Di-n-butylphthalate	UG/KG			94,697,730	8,100	720 U	750 U	15 J	420 U
Di-n-octylphthalate	UG/KG	RESIDENTIAL (NON-CARCINOGE	1,564,285.714		50,000	720 U	750 U	420 U	420 U
Dibenz[a,h]anthracene	UG/KG	RESIDENTIAL (CARCINOGEN)	87.5	53,680	14	720 U	750 U	420 U	420 U
Dibenzofuran	UG/KG	RESIDENTIAL (NON-CARCINOGE	312,857.143		6,200	720 U	750 U	420 U	420 U
Diethyl phthalate	UG/KG	RESIDENTIAL (NON-CARCINOGE	62,571,428.57	7,665,910	7,100	720 U	750 U	420 U	420 U
Dimethylphthalate	UG/KG	RESIDENTIAL (NON-CARCINOGE	782,142,857.1		2,000	720 U	750 U	420 U	420 U
Fluoranthene	UG/KG	RESIDENTIAL (NON-CARCINOGE	3,128,571.429	7,849,900	50,000	720 U	750 U	24 J	420 U
Fluorene	UG/KG	RESIDENTIAL (NON-CARCINOGE	3,128,571.429	1,755,510	50,000	720 U	750 U	420 U	420 U
Hexachlorobenzene	UG/KG	RESIDENTIAL (CARCINOGEN)	399.219		410	720 U	750 U	420 U	420 U
Hexachlorobutadiene	UG/KG	RESIDENTIAL (CARCINOGEN)	8,189.103			720 U	750 U	420 U	420 U
Hexachlorocyclopentadiene	UG/KG	RESIDENTIAL (NON-CARCINOGE	547,500			720 U	750 U	420 U	420 U
Hexachloroethane	UG/KG	RESIDENTIAL (CARCINOGEN)	45,625			720 U	750 U	420 U	420 U
Indeno(1,2,3-cd)pyrene	UG/KG	RESIDENTIAL (CARCINOGEN)	875	47,630	3,200	720 U	750 U	420 U	420 U
Isophorone	UG/KG				4,400	720 U	750 U	420 U	420 U
N-Nitrosodiphenylamine	UG/KG	RESIDENTIAL (CARCINOGEN)	130,357.143			720 U	750 U	420 U	420 U
N-Nitrosodipropylamine	UG/KG	INDUSTRIAL (CARCINOGEN)	817.6	1,454,550		720 U	750 U	420 U	420 U
Naphthalene	UG/KG	RESIDENTIAL (NON-CARCINOGE	3,128,571.429	149,740	13,000	720 U	750 U	420 U	420 U
Nitrobenzene	UG/KG	RESIDENTIAL (NON CARCINOGE	39,107.143		200	720 U	750 U	420 U	420 U
Pentachlorophenol	UG/KG	RESIDENTIAL (CARCINOGEN)	5,322.917	1,415,560	1,000	3,500 U	3,600 U	1,000 U	1,000 U
Phenanthrene	UG/KG			325,820	50,000	720 U	750 U	420 U	420 U
Phenol	UG/KG	RESIDENTIAL (NON-CARCINOGE	46,928,571.43	79,520	30	720 U	750 U	420 U	420 U
Pyrene	UG/KG	RESIDENTIAL (NON CARCINOGE	2,346,428.571	2,420,460	50,000	720 U	750 U	16 J	420 U
PESTICIDES/PCBs									
4,4'-DDD	UG/KG	RESIDENTIAL (CARCINOGEN)	2,661.458	874,990	2,900	35 U	36 U	4.2 U	4.2 U
4,4'-DDE	UG/KG	RESIDENTIAL (CARCINOGEN)	1,878.676	86,590	2,100	35 U	36 U	4.2 U	4.2 U
4,4'-DDT	UG/KG	RESIDENTIAL (CARCINOGEN)	1,878.676	8,870	2,100	35 U	36 U	4.2 U	4.2 U
Aldrin	UG/KG	RESIDENTIAL (CARCINOGEN)	37.574	2,750	41	18 U	18 U	2.2 U	2.1 U
Alpha-BHC	UG/KG				110	18 U	18 U	2.2 U	2.1 U
Alpha-Chlordane	UG/KG			142,090		180 U	180 U	2.2 U	2.1 U
Aroclor-1016	UG/KG	RESIDENTIAL (NON-CARCINOGE	5.475			180 U	180 U	42 U	42 U
Aroclor-1221	UG/KG					180 U	180 U	85 U	85 U
Aroclor-1232	UG/KG					180 U	180 U	42 U	42 U
Aroclor-1242	UG/KG			12,879,550		180 U	180 U	42 U	42 U
Aroclor-1248	UG/KG					180 U	180 U	42 U	42 U
Aroclor-1254	UG/KG	RESIDENTIAL (NON-CARCINOGE	1,564.286	3,925,000	10,000	350 U	360 U	42 U	42 U
Aroclor-1260	UG/KG			2,272,730	10,000	350 U	360 U	42 U	42 U
Beta-BHC	UG/KG			11,060	200	18 U	18 U	2.2 U	2.1 U
Delta-BHC	UG/KG				300	18 U	18 U	2.2 U	2.1 U
Dieldrin	UG/KG	RESIDENTIAL (CARCINOGEN)	39.922		44	35 U	36 U	4.2 U	4.2 U
Endosulfan I	UG/KG	RESIDENTIAL (NON CARCINOGE	469,285.714	131,820	900	18 U	18 U	2.2 U	2.1 U
Endosulfan II	UG/KG	RESIDENTIAL (NON CARCINOGE	469,285.714		900	35 U	36 U	4.2 U	4.2 U

Seneca Army Depot Activity
Background Data
Sample and Duplicate Pair data

					STUDY ID	RI Phase 1 Step 1	RI Phase 1 Step 1	RI Phase 1 Step 1	RI Phase 1 Step 1
					SITE	Ash Landfill	Ash Landfill	OB Grounds	OB Grounds
					LOC ID.	B-8-91	B-8-91	GB35	GB35
					LOC TYPE	BACKGROUND	BACKGROUND	BACKGROUND	BACKGROUND
					SAMP_ID	S1105-26(1)SOIL1	S1105-25SOIL1	GB35-6DUGRID	GB35-1GRID
					QC CODE	DU	SA	DU	SA
					SAMP DETH TOP	2	2	0	0
					SAMP DEPTH BOT	4	4	2	2
					MATRIX	SOIL	SOIL	SOIL	SOIL
					SAMP. DATE	05-Nov-91	05-Nov-91	20-Jan-93	20-Jan-93
PARAMETER	UNIT	Minimum PRG Type	Minimum PRG Value	Ecological PRG	NYSDEC TAGM 4046	VALUE Q	VALUE Q	VALUE Q	VALUE Q
Endosulfan sulfate	UG/KG			15,820	1,000	35 U	36 U	4.2 U	4.2 U
Endrin aldehyde	UG/KG	RESIDENTIAL (NON-CARCINOGE	23,464.286	6,350.				4.2 U	4.2 U
Endrin ketone	UG/KG	RESIDENTIAL (NON-CARCINOGE	23,464.286	6,350		35 U	36 U	4.2 U	4.2 U
Endrin	UG/KG	RESIDENTIAL (NON-CARCINOGE	23,464.286	240,910	100.	35 U	36 U	4.2 U	4.2 U
Gamma-BHC/Lindane	UG/KG	RESIDENTIAL (CARCINOGEN)	491.346		60.	18 U	18 U	2.2 U	2.1 U
Gamma-Chlordane	UG/KG			47,360	540	180. U	180 U	2.2 U	2.1 U
Heptachlor epoxide	UG/KG	RESIDENTIAL (CARCINOGEN)	70.192	10	20	18 U	18 U	2.2 U	2.1 U
Heptachlor	UG/KG	RESIDENTIAL (CARCINOGEN)	141.944	28,620.	100.	18 U	18. U	2.2 U	2.1 U
Methoxychlor	UG/KG	RESIDENTIAL (NON-CARCINOGE	391,071.429			180 U	180 U	22 U	21 U
Toxaphene	UG/KG					350 U	360 U	220 U	210 U
METALS									
Aluminum	UG/KG	RESIDENTIAL (NON-CARCINOGE	78,214,285.71		19,520,000	17,700,000.	20,500,000	16,200,000.	18,000,000
Antimony	UG/KG	RESIDENTIAL (NON-CARCINOGE	31,285 714	18,437,230	6,000.	8,200 UJ	8,800 UJ	6,300 J	5,800 UJ
Arsenic	UG/KG	RESIDENTIAL (CARCINOGEN)	425 833	223,670.	8,900	6,000. J	6,100 J	5,300	6,200
Barium	UG/KG	RESIDENTIAL (NON-CARCINOGE	5,475,000	91,840.	300,000.	86,700 J	98,900 J	61,700	93,600
Beryllium	UG/KG	RESIDENTIAL (CARCINOGEN)	148 547	6,570.	1,130	1,000	1,200	770	850
Cadmium	UG/KG	RESIDENTIAL (NON CARCINOGE	39,107 143	737,770.	2,460	2,400	2,900	350 U	330 U
Calcium	UG/KG				125,300,000	3,560,000.	4,870,000	1,370,000	1,590,000
Chromium	UG/KG	RESIDENTIAL (NON CARCINOGE	78,214,285 71	850,430	30,000	26,900 J	30,100 J	25,100	23,500
Cobalt	UG/KG	RESIDENTIAL (NON CARCINOGE	4,692,857 143		30,000	14,000	18,400	10,300	9,400
Copper	UG/KG	RESIDENTIAL (NON CARCINOGE	3,128,571 429	827,810	33,000	26,000	27,600	17,200	17,500
Cyanide	UG/KG			13,636,360	350	670 U	630 U	820 U	780 U
Iron	UG/KG	RESIDENTIAL (NON CARCINOGE	23,464,285 71		37,410,000	32,500,000	36,100,000	30,800,000	25,200,000
Lead	UG/KG			181,460.	24,400.	13,600	11,400	19,100	14,400
Magnesium	UG/KG				21,700,000	6,490,000	7,300,000	4,490,000	3,850,000
Manganese	UG/KG	RESIDENTIAL (NON-CARCINOGE	1,798,928 571	8,821,860	1,100,000	832,000.	956,000	775,000	701,000
Mercury	UG/KG	RESIDENTIAL (NON-CARCINOGE	23,464 286	1,710	100	60 J	60 J	70 J	60 J
Nickel	UG/KG	RESIDENTIAL (NON-CARCINOGE	1,564,285 714	2,833,820	50,000.	44,400	48,700	28,300	26,300
Potassium	UG/KG				2,623,000.	1,760,000	2,110,000	975,000	1,110,000
Selenium	UG/KG	RESIDENTIAL (NON-CARCINOGE	391,071 429	193,140.	2,000.	200 UJ	210 UJ	210 UJ	230 UJ
Silver	UG/KG	RESIDENTIAL (NON-CARCINOGE	391,071 429		800.	1,200 U	1,300 U	360 U	340 U
Sodium	UG/KG				188,000.	62,600 U	67,500 U	34,600 J	35,600 J
Thallium	UG/KG	RESIDENTIAL (NON-CARCINOGE	6,257 143		855	570 U	580 U	500 U	550 U
Vanadium	UG/KG	RESIDENTIAL (NON-CARCINOGE	547,500		150,000.	26,400	25,400	26,100	27,100
Zinc	UG/KG	RESIDENTIAL (NON-CARCINOGE	23,464,285.71		115,000.	85,000 J	94,200 J	53,100	55,000
OTHER ANALYSES									
Fluonde	UG/KG	RESIDENTIAL (NON-CARCINOGE	4,692,857 143						
Nitrate/Nitnte	UG/KG								
Total Petroleum Hydrocarbon	UG/KG								

Seneca Army Depot Activity
Background Data
Sample and Duplicate Pair data

PARAMETER	UNIT	Minimum PRG Type	Minimum PRG Value	Ecological PRG	NYSDEC TAGM 4046
STUDY ID					
SITE					
LOC ID					
LOC TYPE					
SAMP_ID					
QC CODE					
SAMP. DETH TOP					
SAMP. DEPTH BOT					
MATRIX					
SAMP. DATE					
VOLATILE ORGANICS					
1,1,1-Trichloroethane	UG/KG	RESIDENTIAL (NON-CARCINOGE	2,737,500	957,110	800
1,1,2,2-Tetrachloroethane	UG/KG	RESIDENTIAL (CARCINOGEN)	31,937.5		600
1,1,2-Trichloroethane	UG/KG	RESIDENTIAL (CARCINOGEN)	11,206.14		
1,1-Dichloroethane	UG/KG	RESIDENTIAL (NON-CARCINOGE	7,821,428.571		200
1,1-Dichloroethene	UG/KG	RESIDENTIAL (CARCINOGEN)	1,064.583		400
1,2-Dichloroethane	UG/KG	RESIDENTIAL (CARCINOGEN)	7,019.231		100
1,2-Dichloroethene (total)	UG/KG				
1,2-Dichloropropane	UG/KG	RESIDENTIAL (CARCINOGEN)	9,393.382		
Acetone	UG/KG	RESIDENTIAL (NON-CARCINOGE	7,821,428.571	34,270.	200
Benzene	UG/KG	RESIDENTIAL (CARCINOGEN)	22,025.862	247,370.	60.
Bromodichloromethane	UG/KG	RESIDENTIAL (CARCINOGEN)	10,302.419		
Bromoform	UG/KG	RESIDENTIAL (CARCINOGEN)	80,854.43		
Carbon disulfide	UG/KG	RESIDENTIAL (NON-CARCINOGE	7,821,428.571	53,000.	2,700
Carbon tetrachlonde	UG/KG	RESIDENTIAL (CARCINOGEN)	4,913.462		600
Chlorobenzene	UG/KG	RESIDENTIAL (NON-CARCINOGE	1,564,285.714		1,700
Chlorodibromomethane	UG/KG	RESIDENTIAL (CARCINOGEN)	7,604.167		
Chloroethane	UG/KG	RESIDENTIAL (NON-CARCINOGE	31,285,714.29		1,900
Chloroform	UG/KG	RESIDENTIAL (CARCINOGEN)	104,713.115	194,610.	300
Cis-1,3-Dichloropropene	UG/KG				
Ethyl benzene	UG/KG	RESIDENTIAL (NON-CARCINOGE	7,821,428.571	1,720,290.	5,500
Methyl Tertbutyl Ether	UG/KG				
Methyl bromide	UG/KG	RESIDENTIAL (NON-CARCINOGE	111,846.429		
Methyl butyl ketone	UG/KG				
Methyl chlonde	UG/KG	RESIDENTIAL (CARCINOGEN)	49,134.615		
Methyl ethyl ketone	UG/KG			421,380.	300
Methyl isobutyl ketone	UG/KG	RESIDENTIAL (NON-CARCINOGE	6,257,142.857		1,000
Methylene chlonde	UG/KG	RESIDENTIAL (CARCINOGEN)	85,166.667	132,030.	100.
Styrene	UG/KG				
Tetrachloroethene	UG/KG	RESIDENTIAL (CARCINOGEN)	12,283.654	6,454,550.	1,400
Toluene	UG/KG	RESIDENTIAL (NON-CARCINOGE	15,642,857.14	1,552,560.	1,500
Total Xylenes	UG/KG	RESIDENTIAL (NON-CARCINOGE	156,428,571.4	5,642,680.	1,200.
Trans-1,3-Dichloropropene	UG/KG				
Trichloroethene	UG/KG	RESIDENTIAL (CARCINOGEN)	58,068.182		700
Vinyl acetate	UG/KG	RESIDENTIAL (NON-CARCINOGE	78,214,285.71		
Vinyl chlonde	UG/KG	RESIDENTIAL (CARCINOGEN)	336.184		200
HERBICIDES					
2,4,5-T	UG/KG				1,900
2,4,5-TP/Silvex	UG/KG				700.
2,4-D	UG/KG				500.
2,4-DB	UG/KG				
Dalapon	UG/KG				
Dicamba	UG/KG			22,600.	
Dichloroprop	UG/KG				
Dinoseb	UG/KG				
MCPA	UG/KG				
MCPP	UG/KG			818,180	

RI Phase 1 Step 1	RI Phase 1 Step 1	RI Phase 1 Step 1	RI Phase 1 Step 1
OB Grounds	OB Grounds	SEAD-25	SEAD-25
MW-36	MW-36	MW25-6	MW25-6
BACKGROUND	BACKGROUND	BACKGROUND	BACKGROUND
MW36-6DUGRID	MW36-1GRID	SB25-7-10	SB25-7-00
DU	SA	DU	SA
0	0	0	0
2	2	0 17	0 17
SOIL	SOIL	SOIL	SOIL
11-Jan-93	11-Jan-93	25-Sep-95	25-Sep-95
VALUE Q	VALUE Q	VALUE Q	VALUE Q
12. U	12 U	11 U	11 U
12 U	12 U	11 U	11 U
12 U	12 U	11 U	11 U
12 U	12 U	11 U	11 U
12 U	12 U	11 U	11 U
12 U	12 U	11 U	11 U
12 U	12 U	11 U	11 U
12. U	12 U	11 U	11 U
12 U	12 U	11 UJ	5 J
12 U	12 U	11 U	11 U
12 U	12 U	11 U	11 U
12 U	12 U	11 U	11 U
12 U	12 U	11 U	11 U
12 U	12 U	11 U	11 U
12 U	12 U	11 U	11 U
12 U	12 U	11 U	11 U
12 U	12 U	11 U	11 U
12 U	12 U	11 U	11 U
12 U	12 U	11 U	11 U
12 U	12 U	11 U	11 U
12 U	12 U	11 U	11 U
12 U	12 U	11 U	11 U
12 U	12 U	11 U	11 U
12 U	12 U	11 U	11 UJ
12 U	12 U	11 U	11 U
12 U	12 U	11 U	11 U
12. U	12 U	11 U	11 U
12. U	12 U	11 U	11 U
12. U	12 U	11 U	11 U
12. U	12 U	11 U	11 U
12 U	12 U	11 U	11 U
12 U	12. U	11 U	11 U

Seneca Army Depot Activity
Background Data
Sample and Duplicate Pair data

					STUDY ID	RI Phase 1 Step 1	RI Phase 1 Step 1	RI Phase 1 Step 1	RI Phase 1 Step 1
					SITE	OB Grounds	OB Grounds	SEAD-25	SEAD-25
					LOC ID	MW-36	MW-36	MW25-6	MW25-6
					LOC TYPE	BACKGROUND	BACKGROUND	BACKGROUND	BACKGROUND
					SAMP_ID	MW36-6DUGRID	MW36-1GRID	SB25-7-10	SB25-7-00
					QC CODE	DU	SA	DU	SA
					SAMP DETH TOP	0	0	0	0
					SAMP DEPTH BOT	2	2	0 17	0 17
					MATRIX	SOIL	SOIL	SOIL	SOIL
					SAMP DATE	11-Jan-93	11-Jan-93	25-Sep-95	25-Sep-95
PARAMETER	UNIT	Minimum PRG Type	Minimum PRG Value	Ecological PRG	NYSDEC TAGM 4046	VALUE Q	VALUE Q	VALUE Q	VALUE Q
NITROAROMATICS									
1,3,5-Trinitrobenzene	UG/KG	RESIDENTIAL (NON-CARCINOGE	3,910 714			120 U	120. U		
1,3-Dinitrobenzene	UG/KG	RESIDENTIAL (NON-CARCINOGE	7,821 429			120 U	120 U		
2,4,6-Trinitrotoluene	UG/KG	RESIDENTIAL (CARCINOGEN)	21,291.667			120 U	120. U		
2,4-Dinitrotoluene	UG/KG	RESIDENTIAL (NON-CARCINOGE	156,428.571	5,060		120 U	120 U		
2,6-Dinitrotoluene	UG/KG	RESIDENTIAL (NON-CARCINOGE	78,214.286		1,000	120 U	120 U		
2-amino-4,6-Dinitrotoluene	UG/KG					120 U	120 U		
4-amino-2,6-Dinitrotoluene	UG/KG					120 U	120 U		
HMX	UG/KG					120 U	120 U		
RDX	UG/KG					120 U	120 U		
Tetryl	UG/KG					120 U	120 U		
SEMIVOLATILE ORGANICS									
1,2,4-Trichlorobenzene	UG/KG	RESIDENTIAL (NON-CARCINOGE	782,142 857	1,132,060	3,400.	400 U	360 U	380 U	380 U
1,2-Dichlorobenzene	UG/KG	RESIDENTIAL (NON CARCINOGE	7,039,285 714		7,900	400 U	360 U	380 U	380 U
1,3-Dichlorobenzene	UG/KG	RESIDENTIAL (NON-CARCINOGE	6,961,071 429		1,600	400 U	360 U	380 U	380 U
1,4-Dichlorobenzene	UG/KG	RESIDENTIAL (CARCINOGEN)	26,614 583		8,500	400 U	360 U	380 U	380 U
2 2'-oxybis(1-Chloropropane)	UG/KG					400 U	360 U	#VALUE!	#VALUE!
2 4,5-Trichlorophenol	UG/KG	RESIDENTIAL (NON-CARCINOGE	7,821,428 571		100	970 U	880 U	920 U	920 U
2 4 6-Trichlorophenol	UG/KG	RESIDENTIAL (CARCINOGEN)	58,068 182			400 U	360 U	380 U	380 U
2 4-Dichlorophenol	UG/KG	RESIDENTIAL (NON-CARCINOGE	234,642 857		400	400 U	360 U	380 UJ	380 U
2 4-Dimethylphenol	UG/KG	RESIDENTIAL (NON-CARCINOGE	1,564,285 714			400 U	360 U	380 U	380 U
2,4-Dinitrophenol	UG/KG	RESIDENTIAL (NON-CARCINOGE	156,428 571		200	970 U	880 U	920 U	920 U
2,4-Dinitrotoluene	UG/KG	RESIDENTIAL (NON-CARCINOGE	156,428 571	5,060		400 U	360 U	380 U	380 U
2,6-Dinitrotoluene	UG/KG	RESIDENTIAL (NON-CARCINOGE	78,214 286		1,000	400 U	360 U	380 U	380 U
2-Chloronaphthalene	UG/KG					400 U	360 U	380 U	380 U
2-Chlorophenol	UG/KG	RESIDENTIAL (NON-CARCINOGE	391,071 429	83,200	800	400. U	360 U	380 U	380 U
2-Methylnaphthalene	UG/KG			962,620	36,400	400 U	360 U	380 U	380 U
2-Methylphenol	UG/KG	RESIDENTIAL (NON-CARCINOGE	3,910,714 286		100	400 U	360 U	380 U	380 U
2-Nitroaniline	UG/KG	RESIDENTIAL (NON-CARCINOGE	4,692 857		430	970 U	880 U	920 U	920 U
2-Nitrophenol	UG/KG				330	400 U	360 U	380 U	380 U
3,3 -Dichlorobenzidine	UG/KG	RESIDENTIAL (CARCINOGEN)	1,419 444			400 U	360 U	380 UJ	380 U
3-Nitroaniline	UG/KG	RESIDENTIAL (NON-CARCINOGE	234,642 857		500	970 U	880 U	920 U	920 U
4,6-Dinitro-2-methylphenol	UG/KG					970 U	880 U	920 U	920 U
4-Bromophenyl phenyl ether	UG/KG	RESIDENTIAL (NON-CARCINOGE	4,536,428 571			400 U	360 U	380 U	380 U
4-Chloro-3-methylphenol	UG/KG				240	400 U	360 U	380 U	380 U
4-Chloroaniline	UG/KG	RESIDENTIAL (NON-CARCINOGE	312,857 143		220	400 U	360 U	380 U	380 U
4-Chlorophenyl phenyl ether	UG/KG					400 U	360 U	380 U	380 U
4-Methylphenol	UG/KG				900	400 U	360 U	380 U	380 U
4-Nitroaniline	UG/KG	RESIDENTIAL (NON-CARCINOGE	234,642.857			970 U	880 U	920 U	920 U
4-Nitrophenol	UG/KG	RESIDENTIAL (NON-CARCINOGE	4,692,857 143	18,680	100	970 U	880 U	920 U	920 U
Acenaphthene	UG/KG			2,268,070	50,000	400 U	360 U	380 U	380 U
Acenaphthylene	UG/KG			33,460	41,000.	400 U	360 U	380 U	380 U
Anthracene	UG/KG	RESIDENTIAL (NON-CARCINOGE	23,464,285.71	1,269,040	50,000.	400 U	360 U	380 U	380 U
Benzo[a]anthracene	UG/KG	RESIDENTIAL (CARCINOGEN)	875	1,476,040	224	400 U	360 U	380 U	380 U
Benzo[a]pyrene	UG/KG	RESIDENTIAL (CARCINOGEN)	87 5	562,720	61	400 U	360 U	380 U	380 U
Benzo[b]fluoranthene	UG/KG	RESIDENTIAL (CARCINOGEN)	875	59,750	1,100	400 U	360 U	380 U	380 U
Benzo[ghi]perylene	UG/KG			76,250	50,000	400 U	360 U	380 UJ	380 U
Benzo[k]fluoranthene	UG/KG	RESIDENTIAL (CARCINOGEN)	8,750	72,640	1,100	400 U	360 U	380 U	380 U
Benzoic Acid	UG/KG	RESIDENTIAL (NON-CARCINOGE	312,857.142 9		2,700				

Seneca Army Depot Activity
Background Data
Sample and Duplicate Pair data

					STUDY ID	RI Phase 1 Step 1	RI Phase 1 Step 1	RI Phase 1 Step 1	RI Phase 1 Step 1
					SITE	OB Grounds	OB Grounds	SEAD-25	SEAD-25
					LOC ID	MW-36	MW-36	MW25-6	MW25-6
					LOC TYPE	BACKGROUND	BACKGROUND	BACKGROUND	BACKGROUND
					SAMP_ID	MW36-6DUGRID	MW36-1GRID	SB25-7-10	SB25-7-00
					QC CODE	DU	SA	DU	SA
					SAMP DETH TOP	0	0	0	0
					SAMP DEPTH BOT.	2	2	0 17	0 17
					MATRIX	SOIL	SOIL	SOIL	SOIL
					SAMP DATE.	11-Jan-93	11-Jan-93	25-Sep-95	25-Sep-95
PARAMETER	UNIT	Minimum PRG Type	Minimum PRG Value	Ecological PRG	NYSDEC TAGM 4046	VALUE Q	VALUE Q	VALUE Q	VALUE Q
Benzyl alcohol	UG/KG					400 U	360 U	380 U	380 U
Bis(2-Chloroethoxy)methane	UG/KG					400 U	360 U	380 U	380 U
Bis(2-Chloroethyl)ether	UG/KG	RESIDENTIAL (CARCINOGEN)	580.682					380 U	380 U
Bis(2-Chloroisopropyl)ether	UG/KG	RESIDENTIAL (CARCINOGEN)	9,125					380 U	380 U
Bis(2-Ethylhexyl)phthalate	UG/KG	RESIDENTIAL (CARCINOGEN)	45,625	39,350	50,000	520.	290 J	380 U	380 U
Butylbenzylphthalate	UG/KG	RESIDENTIAL (NON-CARCINOGE	15,642,857.14		50,000	400 U	360 U	380 U	380 U
Carbazole	UG/KG	RESIDENTIAL (CARCINOGEN)	31,937.5			400 U	360 U	380 U	380 U
Chrysene	UG/KG	RESIDENTIAL (CARCINOGEN)	87,500.	93,300.	400	400 U	360 U	380 U	380 U
Di-n-butylphthalate	UG/KG			94,697,730	8,100	400 U	360 U	380 U	380 U
Di-n-octylphthalate	UG/KG	RESIDENTIAL (NON-CARCINOGE	1,564,285.714		50,000	400 U	360 U	380 U	380 U
Dibenz[a,h]anthracene	UG/KG	RESIDENTIAL (CARCINOGEN)	87.5	53,680	14.	400 U	360 U	380 U	380 U
Dibenzofuran	UG/KG	RESIDENTIAL (NON-CARCINOGE	312,857.143		6,200.	400 U	360 U	380 U	380 U
Diethyl phthalate	UG/KG	RESIDENTIAL (NON-CARCINOGE	62,571,428 57	7,665,910	7,100.	400 U	360 U	380 U	380 U
Dimethylphthalate	UG/KG	RESIDENTIAL (NON-CARCINOGE	782,142,857.1		2,000	400 U	360 U	380 U	380 U
Fluoranthene	UG/KG	RESIDENTIAL (NON-CARCINOGE	3,128,571 429	7,849,900	50,000	400 U	360 U	380 U	380 U
Fluorene	UG/KG	RESIDENTIAL (NON-CARCINOGE	3,128,571 429	1,755,510	50,000	400 U	360 U	380 U	380 U
Hexachlorobenzene	UG/KG	RESIDENTIAL (CARCINOGEN)	399 219		410	400 U	360 U	380 U	380 U
Hexachlorobutadiene	UG/KG	RESIDENTIAL (CARCINOGEN)	8,189 103			400 U	360 U	380 U	380 U
Hexachlorocyclopentadiene	UG/KG	RESIDENTIAL (NON-CARCINOGE	547,500			400 U	360 U	380 U	380 U
Hexachloroethane	UG/KG	RESIDENTIAL (CARCINOGEN)	45,625			400 U	360 U	380 U	380 U
Indeno[1,2,3-cd]pyrene	UG/KG	RESIDENTIAL (CARCINOGEN)	875	47,630	3,200	400 U	360 U	380 UJ	380 U
Isophorone	UG/KG				4,400	400 U	360 U	380 U	380 U
N-Nitrosodiphenylamine	UG/KG	RESIDENTIAL (CARCINOGEN)	130,357 143			400 U	360 U	380 U	380 U
N-Nitrosodipropylamine	UG/KG	INDUSTRIAL (CARCINOGEN)	817.6	1,454,550		400 U	360 U	380 U	380 U
Naphthalene	UG/KG	RESIDENTIAL (NON-CARCINOGE	3,128,571 429	149,740	13,000	400 U	360 U	380 U	380 U
Nitrobenzene	UG/KG	RESIDENTIAL (NON-CARCINOGE	39,107 143		200	400 U	360 U	380 U	380 U
Pentachlorophenol	UG/KG	RESIDENTIAL (CARCINOGEN)	5,322 917	1,415,560	1,000.	970 U	880 U	920 U	920 U
Phenanthrene	UG/KG			325,820	50,000	400 U	360 U	380 U	380 U
Phenol	UG/KG	RESIDENTIAL (NON-CARCINOGE	46,928,571 43	79,520.	30	400 U	360 U	380 U	380 U
Pyrene	UG/KG	RESIDENTIAL (NON-CARCINOGE	2,346,428.571	2,420,460	50,000	400 U	360 U	380 U	380 U
PESTICIDES/PCBs									
4,4'-DDD	UG/KG	RESIDENTIAL (CARCINOGEN)	2,661.458	874,990	2,900	4 U	3 8 U	3 8 U	3 8 U
4,4'-DDE	UG/KG	RESIDENTIAL (CARCINOGEN)	1,878 676	86,590	2,100.	4 U	3.8 U	3 8 U	3 8 U
4,4'-DDT	UG/KG	RESIDENTIAL (CARCINOGEN)	1,878.676	8,870.	2,100	4 U	3 8 U	3 8 U	3 8 U
Aldrin	UG/KG	RESIDENTIAL (CARCINOGEN)	37.574	2,750	41	2 U	2 U	2 U	2 U
Alpha-BHC	UG/KG				110.	2 U	2 U	2 U	2 U
Alpha-Chlordane	UG/KG			142,090		2 U	2 U	2 U	2 U
Aroclor-1016	UG/KG	RESIDENTIAL (NON-CARCINOGE	5,475.			40 U	38 U	38 U	38 U
Aroclor-1221	UG/KG					80 U	77 U	77 U	77 U
Aroclor-1232	UG/KG					40 U	38 U	38 U	38 U
Aroclor-1242	UG/KG			12,879,550		40 U	38 U	38 U	38 U
Aroclor-1248	UG/KG					40 U	38 U	38 U	38 U
Aroclor-1254	UG/KG	RESIDENTIAL (NON-CARCINOGE	1,564 286	3,925,000	10,000	40. U	38 U	38 U	38 U
Aroclor-1260	UG/KG			2,272,730	10,000	40 U	38 U	38 U	38 U
Beta-BHC	UG/KG			11,060	200	2 U	2 U	2 U	2 U
Delta-BHC	UG/KG				300	2 U	2 U	2 U	2 U
Dieldrin	UG/KG	RESIDENTIAL (CARCINOGEN)	39 922		44	4 U	3 8 U	3 8 U	3 8 U
Endosulfan I	UG/KG	RESIDENTIAL (NON-CARCINOGE	469,285 714	131,820	900	2 U	2 U	2 U	2 U
Endosulfan II	UG/KG	RESIDENTIAL (NON-CARCINOGE	469,285 714		900	4 U	3 8 U	3 8 U	3 8 U

Seneca Army Depot Activity
Background Data
Sample and Duplicate Pair data

					STUDY ID	RI Phase 1 Step 1	RI Phase 1 Step 1	RI Phase 1 Step 1	RI Phase 1 Step 1
					SITE	OB Grounds	OB Grounds	SEAD-25	SEAD-25
					LOC ID	MW-36	MW-36	MW25-6	MW25-6
					LOC TYPE	BACKGROUND	BACKGROUND	BACKGROUND	BACKGROUND
					SAMP_ID	MW36-6DUGRID	MW36-1GRID	SB25-7-10	SB25-7-00
					QC CODE	DU	SA	DU	SA
					SAMP. DETH TOP	0	0	0	0
					SAMP. DEPTH BOT	2	2	0.17	0.17
					MATRIX	SOIL	SOIL	SOIL	SOIL
					SAMP. DATE	11-Jan-93	11-Jan-93	25-Sep-95	25-Sep-95
PARAMETER	UNIT	Minimum PRG Type	Minimum PRG Value	Ecological PRG	NYSDEC TAGM 4046	VALUE Q	VALUE Q	VALUE Q	VALUE Q
Endosulfan sulfate	UG/KG			15,820.	1,000	4. U	3.8 U	3.8 U	3.8 U
Endrin aldehyde	UG/KG	RESIDENTIAL (NON-CARCINOGE	23,464.286	6,350.		4. U	3.8 U	3.8 U	3.8 U
Endrin ketone	UG/KG	RESIDENTIAL (NON-CARCINOGE	23,464.286	6,350.		4. U	3.8 U	3.8 U	3.8 U
Endrin	UG/KG	RESIDENTIAL (NON-CARCINOGE	23,464.286	240,910.	100.	4. U	3.8 U	3.8 U	3.8 U
Gamma-BHC/Lindane	UG/KG	RESIDENTIAL (CARCINOGEN)	491.346		60.	2 U	2. U	2. U	2. U
Gamma-Chlordane	UG/KG			47,360.	540	2 U	2 U	2. U	2 U
Heptachlor epoxide	UG/KG	RESIDENTIAL (CARCINOGEN)	70.192	10.	20	2 U	2 U	2 U	2 U
Heptachlor	UG/KG	RESIDENTIAL (CARCINOGEN)	141.944	28,620.	100	2 U	2 U	2. U	2 U
Methoxychlor	UG/KG	RESIDENTIAL (NON-CARCINOGE	391,071.429			20 U	20 U	20 U	20 U
Toxaphene	UG/KG					200 U	200 U	200 U	200 U
METALS									
Aluminum	UG/KG	RESIDENTIAL (NON-CARCINOGE	78,214,285.71		19,520,000	17,900,000.	17,900,000	12,500,000	12,500,000
Antimony	UG/KG	RESIDENTIAL (NON-CARCINOGE	31,285.714	18,437,230.	6,000	6,400 UJ	6,400 UJ	400 UJ	400
Arsenic	UG/KG	RESIDENTIAL (CARCINOGEN)	425.833	223,670.	8,900	5,400 J	5,200 J	4,300.	4,300
Barium	UG/KG	RESIDENTIAL (NON-CARCINOGE	5,475,000.	91,840.	300,000.	95,600 J	118,000 J	71,300	71,300
Beryllium	UG/KG	RESIDENTIAL (CARCINOGEN)	148.547	6,570.	1,130	810.	940	560.	560
Cadmium	UG/KG	RESIDENTIAL (NON-CARCINOGE	39,107.143	737,770.	2,460	370 U	360 U	50 U	50 U
Calcium	UG/KG				125,300,000	9,720,000	19,800,000	47,400,000 J	47,400,000 J
Chromium	UG/KG	RESIDENTIAL (NON-CARCINOGE	78,214,285.71	850,430.	30,000	24,900 J	27,500 J	16,900 J	16,900 J
Cobalt	UG/KG	RESIDENTIAL (NON-CARCINOGE	4,692,857.143		30,000	8,200	13,600	8,000	8,000
Copper	UG/KG	RESIDENTIAL (NON-CARCINOGE	3,128,571.429	827,810	33,000.	26,800 J	30,300 J	15,700	15,700
Cyanide	UG/KG			13,636,360.	350	600 U	560 U	444 U	440 U
Iron	UG/KG	RESIDENTIAL (NON-CARCINOGE	23,464,285.71		37,410,000	32,800,000	33,700,000	20,500,000	20,500,000
Lead	UG/KG			181.460	24,400.	15,900	14,500	11,100	11,100
Magnesium	UG/KG				21,700,000	5,040,000.	6,820,000	11,700,000	11,700,000
Manganese	UG/KG	RESIDENTIAL (NON-CARCINOGE	1,798,928.571	8,821,860	1,100,000	311,000	608,000	452,000	452,000
Mercury	UG/KG	RESIDENTIAL (NON-CARCINOGE	23,464.286	1,710.	100	70 J	40 J	30	30
Nickel	UG/KG	RESIDENTIAL (NON-CARCINOGE	1,564,285.714	2,833,820.	50,000	28,200 J	46,100 J	22,300	22,300
Potassium	UG/KG				2,623,000	1,220,000	1,350,000	1,110,000	1,110,000
Selenium	UG/KG	RESIDENTIAL (NON-CARCINOGE	391,071.429	193,140.	2,000	220 UJ	190 UJ	660 U	630 U
Silver	UG/KG	RESIDENTIAL (NON-CARCINOGE	391,071.429		800.	380 U	380 J	920 U	890 U
Sodium	UG/KG				188,000	35,200. U	56,200. J	57,500.	59,900
Thallium	UG/KG	RESIDENTIAL (NON-CARCINOGE	6,257.143		855	530. U	450. U	1,200	1,200
Vanadium	UG/KG	RESIDENTIAL (NON-CARCINOGE	547,500.		150,000.	30,800 J	29,200. J	21,000	21,000
Zinc	UG/KG	RESIDENTIAL (NON-CARCINOGE	23,464,285.71		115,000.	56,000. J	97,600. J	54,100	54,100
OTHER ANALYSES									
Fluoride	UG/KG	RESIDENTIAL (NON-CARCINOGE	4,692,857.143						
Nitrate/Nitrite	UG/KG								
Total Petroleum Hydrocarbon	UG/KG							31,000 U	32,000 U

Seneca Army Depot Activity
Background Data
Sample and Duplicate Pair data

					STUDY ID:	ESI	ESI
					SITE:	SEAD-4	SEAD-4
					LOC ID:	MW4-1	MW4-1
					LOC TYPE:	BACKGROUND	BACKGROUND
					SAMP_ID:	SB4-1-5	SB4-1-1
					QC CODE:	DU	SA
					SAMP. DETH TOP:	0	0
					SAMP. DEPTH BOT:	2	2
					MATRIX:	SOIL	SOIL
					SAMP. DATE:	06-Dec-93	06-Dec-93
PARAMETER	UNIT	Minimum PRG Type	Minimum PRG Value	Ecological PRG	NYSDEC TAGM 4046	VALUE Q	VALUE Q
VOLATILE ORGANICS							
1,1,1-Trichloroethane	UG/KG	RESIDENTIAL (NON-CARCINOGE	2,737,500.	957,110.	800.	12 U	12 U
1,1,2,2-Tetrachloroethane	UG/KG	RESIDENTIAL (CARCINOGEN)	31,937.5		600.	12. U	12. U
1,1,2-Trichloroethane	UG/KG	RESIDENTIAL (CARCINOGEN)	11,206.14			12. U	12. U
1,1-Dichloroethane	UG/KG	RESIDENTIAL (NON-CARCINOGE	7,821,428.571		200	12 U	12 U
1,1-Dichloroethene	UG/KG	RESIDENTIAL (CARCINOGEN)	1,064.583		400.	12 U	12 U
1,2-Dichloroethane	UG/KG	RESIDENTIAL (CARCINOGEN)	7,019.231		100.	12. U	12. U
1,2-Dichloroethene (total)	UG/KG					12. U	12 U
1,2-Dichloropropane	UG/KG	RESIDENTIAL (CARCINOGEN)	9,393.382			12. U	12 U
Acetone	UG/KG	RESIDENTIAL (NON-CARCINOGE	7,821,428.571	34,270.	200.	12 U	12 U
Benzene	UG/KG	RESIDENTIAL (CARCINOGEN)	22,025.862	247,370.	60.	12. U	12. U
Bromodichloromethane	UG/KG	RESIDENTIAL (CARCINOGEN)	10,302.419			12. U	12 U
Bromoform	UG/KG	RESIDENTIAL (CARCINOGEN)	80,854.43			12. U	12 U
Carbon disulfide	UG/KG	RESIDENTIAL (NON-CARCINOGE	7,821,428.571	53,000.	2,700.	12. U	12 U
Carbon tetrachlonde	UG/KG	RESIDENTIAL (CARCINOGEN)	4,913.462		600	12. U	12 U
Chlorobenzene	UG/KG	RESIDENTIAL (NON-CARCINOGE	1,564,285.714		1,700.	12 U	12 U
Chlorodibromomethane	UG/KG	RESIDENTIAL (CARCINOGEN)	7,604.167			12 U	12 U
Chloroethane	UG/KG	RESIDENTIAL (NON-CARCINOGE	31,285,714.29		1,900.	12 U	12. U
Chloroform	UG/KG	RESIDENTIAL (CARCINOGEN)	104,713.115	194,610	300.	12 U	12 U
Cis-1,3-Dichloropropene	UG/KG					12 U	12 U
Ethyl benzene	UG/KG	RESIDENTIAL (NON-CARCINOGE	7,821,428.571	1,720,290.	5,500.	12 U	12 U
Methyl Tertbutyl Ether	UG/KG						
Methyl bromide	UG/KG	RESIDENTIAL (NON-CARCINOGE	111,846.429			12. U	12 U
Methyl butyl ketone	UG/KG					12 U	12 U
Methyl chlonde	UG/KG	RESIDENTIAL (CARCINOGEN)	49,134.615			12. U	12 U
Methyl ethyl ketone	UG/KG			421,380.	300.	12 U	12 U
Methyl isobutyl ketone	UG/KG	RESIDENTIAL (NON-CARCINOGE	6,257,142.857		1,000.	12 U	12 U
Methylene chlonde	UG/KG	RESIDENTIAL (CARCINOGEN)	85,166.667	132,030.	100.	12 U	12 U
Styrene	UG/KG					12 U	12 U
Tetrachloroethene	UG/KG	RESIDENTIAL (CARCINOGEN)	12,283.654	6,454,550.	1,400.	12. U	12 U
Toluene	UG/KG	RESIDENTIAL (NON-CARCINOGE	15,642,857.14	1,552,560.	1,500.	12. U	12 U
Total Xylenes	UG/KG	RESIDENTIAL (NON-CARCINOGE	156,428,571.4	5,642,680.	1,200.	12. U	12 U
Trans-1,3-Dichloropropene	UG/KG					12. U	12. U
Trichloroethene	UG/KG	RESIDENTIAL (CARCINOGEN)	58,068.182		700.	12. U	12 U
Vinyl acetate	UG/KG	RESIDENTIAL (NON-CARCINOGE	78,214,285.71				
Vinyl chloride	UG/KG	RESIDENTIAL (CARCINOGEN)	336.184		200.	12 U	12. U
HERBICIDES							
2,4,5-T	UG/KG				1,900.	6. U	5.9 U
2,4,5-TP/Silvex	UG/KG				700.	6 U	5.9 U
2,4-D	UG/KG				500.	60 U	59. U
2,4-DB	UG/KG					60. U	59. U
Dalapon	UG/KG					150 U	150. U
Dicamba	UG/KG			22,600.		6. U	5.9 U
Dichloroprop	UG/KG					60. U	59. U
Dinoseb	UG/KG					30. U	30 U
MCPA	UG/KG					6,000. U	5,900 U
MCPP	UG/KG			818,180.		6,000. U	5,900. U

Seneca Army Depot Activity
Background Data
Sample and Duplicate Pair data

					STUDY ID:	ESI	ESI
					SITE:	SEAD-4	SEAD-4
					LOC ID:	MW4-1	MW4-1
					LOC TYPE:	BACKGROUND	BACKGROUND
					SAMP_ID:	SB4-1-5	SB4-1-1
					QC CODE:	DU	SA
					SAMP. DETH TOP:	0	0
					SAMP. DEPTH BOT:	2	2
					MATRIX:	SOIL	SOIL
					SAMP. DATE:	06-Dec-93	06-Dec-93
PARAMETER	UNIT	Minimum PRG Type	Minimum PRG Value	Ecological PRG	NYSDEC TAGM 4046	VALUE Q	VALUE Q
NITROAROMATICS							
1,3,5-Trinitrobenzene	UG/KG	RESIDENTIAL (NON-CARCINOGE	3,910.714			130. U	130. U
1,3-Dinitrobenzene	UG/KG	RESIDENTIAL (NON-CARCINOGE	7,821.429			130. U	130. U
2,4,6-Trinitrotoluene	UG/KG	RESIDENTIAL (CARCINOGEN)	21,291.667			130. U	130. U
2,4-Dinitrotoluene	UG/KG	RESIDENTIAL (NON-CARCINOGE	156,428.571	5,060.		130. U	130. U
2,6-Dinitrotoluene	UG/KG	RESIDENTIAL (NON-CARCINOGE	78,214.286		1,000.	130. U	130. U
2-amino-4,6-Dinitrotoluene	UG/KG					130. U	130. U
4-amino-2,6-Dinitrotoluene	UG/KG					130. U	130. U
HMX	UG/KG					130. U	130. U
RDX	UG/KG					130. U	130. U
Tetryl	UG/KG					130. U	130. U
SEMIVOLATILE ORGANICS							
1,2,4-Trichlorobenzene	UG/KG	RESIDENTIAL (NON-CARCINOGE	782,142.857	1,132,060.	3,400.	390. U	390. U
1,2-Dichlorobenzene	UG/KG	RESIDENTIAL (NON-CARCINOGE	7,039,285.714		7,900.	390. U	390. U
1,3-Dichlorobenzene	UG/KG	RESIDENTIAL (NON-CARCINOGE	6,961,071.429		1,600.	390. U	390. U
1,4-Dichlorobenzene	UG/KG	RESIDENTIAL (CARCINOGEN)	26,614.583		8,500.	390. U	390. U
2,2'-oxybis(1-Chloropropane)	UG/KG					390. U	390. U
2,4,5-Trichlorophenol	UG/KG	RESIDENTIAL (NON-CARCINOGE	7,821,428.571		100.	950. U	940. U
2,4,6-Trichlorophenol	UG/KG	RESIDENTIAL (CARCINOGEN)	58,068.182			390. U	390. U
2,4-Dichlorophenol	UG/KG	RESIDENTIAL (NON-CARCINOGE	234,642.857		400.	390. U	390. U
2,4-Dimethylphenol	UG/KG	RESIDENTIAL (NON-CARCINOGE	1,564,285.714			390. U	390. U
2,4-Dinitrophenol	UG/KG	RESIDENTIAL (NON-CARCINOGE	156,428.571		200.	950. U	940. U
2,4-Dinitrotoluene	UG/KG	RESIDENTIAL (NON-CARCINOGE	156,428.571	5,060.		390. U	390. U
2,6-Dinitrotoluene	UG/KG	RESIDENTIAL (NON-CARCINOGE	78,214.286		1,000.	390. U	390. U
2-Chloronaphthalene	UG/KG					390. U	390. U
2-Chlorophenol	UG/KG	RESIDENTIAL (NON-CARCINOGE	391,071.429	83,200.	800.	390. U	390. U
2-Methylnaphthalene	UG/KG			962,620.	36,400.	390. U	390. U
2-Methylphenol	UG/KG	RESIDENTIAL (NON-CARCINOGE	3,910,714.286		100.	390. U	390. U
2-Nitroaniline	UG/KG	RESIDENTIAL (NON-CARCINOGE	4,692.857		430.	950. U	940. U
2-Nitrophenol	UG/KG				330.	390. U	390. U
3,3'-Dichlorobenzidine	UG/KG	RESIDENTIAL (CARCINOGEN)	1,419.444			390. U	390. U
3-Nitroaniline	UG/KG	RESIDENTIAL (NON-CARCINOGE	234,642.857		500.	950. U	940. U
4,6-Dinitro-2-methylphenol	UG/KG					950. U	940. U
4-Bromophenyl phenyl ether	UG/KG	RESIDENTIAL (NON-CARCINOGE	4,536,428.571			390. U	390. U
4-Chloro-3-methylphenol	UG/KG				240.	390. U	390. U
4-Chloroaniline	UG/KG	RESIDENTIAL (NON-CARCINOGE	312,857.143		220.	390. U	390. U
4-Chlorophenyl phenyl ether	UG/KG					390. U	390. U
4-Methylphenol	UG/KG				900.	390. U	390. U
4-Nitroaniline	UG/KG	RESIDENTIAL (NON-CARCINOGE	234,642.857			950. U	940. U
4-Nitrophenol	UG/KG	RESIDENTIAL (NON-CARCINOGE	4,692,857.143	18,680.	100.	950. U	940. U
Acenaphthene	UG/KG			2,268,070.	50,000.	390. U	390. U
Acenaphthylene	UG/KG			33,460.	41,000.	390. U	390. U
Anthracene	UG/KG	RESIDENTIAL (NON-CARCINOGE	23,464,285.71	1,269,040.	50,000.	390. U	390. U
Benzo[a]anthracene	UG/KG	RESIDENTIAL (CARCINOGEN)	875.	1,476,040.	224.	390. U	390. U
Benzo[a]pyrene	UG/KG	RESIDENTIAL (CARCINOGEN)	87.5	562,720.	61.	390. U	390. U
Benzo[b]fluoranthene	UG/KG	RESIDENTIAL (CARCINOGEN)	875.	59,750.	1,100.	390. U	390. U
Benzo[ghi]perylene	UG/KG			76,250.	50,000.	390. U	390. U
Benzo[k]fluoranthene	UG/KG	RESIDENTIAL (CARCINOGEN)	8,750.	72,640.	1,100.	390. U	390. U
Benzoic Acid	UG/KG	RESIDENTIAL (NON-CARCINOGE	312,857,142.9		2,700.		

Seneca Army Depot Activity
Background Data
Sample and Duplicate Pair data

					STUDY ID:	ESI	ESI
					SITE:	SEAD-4	SEAD-4
					LOC ID:	MW4-1	MW4-1
					LOC TYPE:	BACKGROUND	BACKGROUND
					SAMP_ID:	SB4-1-5	SB4-1-1
					QC CODE:	DU	SA
					SAMP. DETH TOP:	0	0
					SAMP. DEPTH BOT:	2	2
					MATRIX:	SOIL	SOIL
					SAMP. DATE:	06-Dec-93	06-Dec-93
PARAMETER	UNIT	Minimum PRG Type	Minimum PRG Value	Ecological PRG	NYSDEC TAGM 4046	VALUE Q	VALUE Q
Benzyl alcohol	UG/KG					390. U	390. U
Bis(2-Chloroethoxy)methane	UG/KG	RESIDENTIAL (CARCINOGEN)	580.682			390. U	390. U
Bis(2-Chloroethyl)ether	UG/KG	RESIDENTIAL (CARCINOGEN)	9,125.				
Bis(2-Chloroisopropyl)ether	UG/KG	RESIDENTIAL (CARCINOGEN)	45,625.	39,350.	50,000.	390. U	390. U
Bis(2-Ethylhexyl)phthalate	UG/KG	RESIDENTIAL (NON-CARCINOGE	15,642,857.14		50,000.	390. U	390. U
Butylbenzylphthalate	UG/KG	RESIDENTIAL (CARCINOGEN)	31,937.5			390. U	390. U
Carbazole	UG/KG	RESIDENTIAL (CARCINOGEN)	87,500.	93,300.	400.	390. U	390. U
Chrysene	UG/KG			94,697,730.	8,100.	50 J	56 J
Di-n-butylphthalate	UG/KG	RESIDENTIAL (NON-CARCINOGE	1,564,285.714		50,000.	390. U	390. U
Di-n-octylphthalate	UG/KG	RESIDENTIAL (CARCINOGEN)	87.5	53,680.	14.	390. U	390. U
Dibenz[a,h]anthracene	UG/KG	RESIDENTIAL (NON-CARCINOGE	312,857.143		6,200.	390. U	390. U
Dibenzofuran	UG/KG	RESIDENTIAL (NON-CARCINOGE	62,571,428.57	7,665,910.	7,100.	390. U	390. U
Diethyl phthalate	UG/KG	RESIDENTIAL (NON-CARCINOGE	782,142,857.1		2,000.	390. U	390. U
Dimethylphthalate	UG/KG	RESIDENTIAL (NON-CARCINOGE	3,128,571.429	7,849,900.	50,000.	390. U	390. U
Fluoranthene	UG/KG	RESIDENTIAL (NON-CARCINOGE	3,128,571.429	1,755,510.	50,000.	390. U	390. U
Fluorene	UG/KG	RESIDENTIAL (CARCINOGEN)	399.219		410.	390. U	390. U
Hexachlorobenzene	UG/KG	RESIDENTIAL (CARCINOGEN)	8,189.103			390. U	390. U
Hexachlorobutadiene	UG/KG	RESIDENTIAL (NON-CARCINOGE	547,500.			390. U	390. U
Hexachlorocyclopentadiene	UG/KG	RESIDENTIAL (CARCINOGEN)	45,625			390. U	390. U
Hexachloroethane	UG/KG	RESIDENTIAL (CARCINOGEN)	875	47,630.	3,200.	390. U	390. U
Indeno[1,2,3-cd]pyrene	UG/KG				4,400.	390. U	390. U
Isophorone	UG/KG	RESIDENTIAL (CARCINOGEN)	130,357.143			390. U	390. U
N-Nitrosodiphenylamine	UG/KG	INDUSTRIAL (CARCINOGEN)	817.6	1,454,550.		390. U	390. U
N-Nitrosodipropylamine	UG/KG	RESIDENTIAL (NON-CARCINOGE	3,128,571.429	149,740.	13,000.	390. U	390. U
Naphthalene	UG/KG	RESIDENTIAL (NON-CARCINOGE	39,107.143		200.	390. U	390. U
Nitrobenzene	UG/KG	RESIDENTIAL (CARCINOGEN)	5,322.917	1,415,560.	1,000.	950. U	940. U
Pentachlorophenol	UG/KG			325,820.	50,000.	390. U	390. U
Phenanthrene	UG/KG	RESIDENTIAL (NON-CARCINOGE	46,928,571.43	79,520.	30.	390. U	390. U
Phenol	UG/KG	RESIDENTIAL (NON-CARCINOGE	2,346,428.571	2,420,460.	50,000.	390. U	390. U
Pyrene	UG/KG						
PESTICIDES/PCBs							
4,4`-DDD	UG/KG	RESIDENTIAL (CARCINOGEN)	2,661.458	874,990.	2,900.	3.9 U	3.9 UJ
4,4`-DDE	UG/KG	RESIDENTIAL (CARCINOGEN)	1,878.676	86,590.	2,100.	3.9 U	3.9 UJ
4,4`-DDT	UG/KG	RESIDENTIAL (CARCINOGEN)	1,878.676	8,870.	2,100.	3.9 U	3.9 UJ
Aldrin	UG/KG	RESIDENTIAL (CARCINOGEN)	37.574	2,750.	41.	2 U	2. UJ
Alpha-BHC	UG/KG				110.	2 U	2. UJ
Alpha-Chlordane	UG/KG			142,090.		2. U	2. UJ
Aroclor-1016	UG/KG	RESIDENTIAL (NON-CARCINOGE	5,475.			39. U	39 UJ
Aroclor-1221	UG/KG					80 U	79 UJ
Aroclor-1232	UG/KG					39 U	39. UJ
Aroclor-1242	UG/KG			12,879,550.		39. U	39. UJ
Aroclor-1248	UG/KG					39. U	39. UJ
Aroclor-1254	UG/KG	RESIDENTIAL (NON-CARCINOGE	1,564.286	3,925,000.	10,000.	39. U	39 UJ
Aroclor-1260	UG/KG			2,272,730.	10,000.	39. U	39. UJ
Beta-BHC	UG/KG			11,060.	200.	2. U	2. UJ
Delta-BHC	UG/KG				300.	2. U	2. UJ
Dieldrin	UG/KG	RESIDENTIAL (CARCINOGEN)	39.922		44.	3.9 U	3.9 UJ
Endosulfan I	UG/KG	RESIDENTIAL (NON-CARCINOGE	469,285.714	131,820.	900.	2. U	2 UJ
Endosulfan II	UG/KG	RESIDENTIAL (NON-CARCINOGE	469,285.714		900.	3.9 U	3.9 UJ

Seneca Army Depot Activity
Background Data
Sample and Duplicate Pair data

					STUDY ID	ESI	ESI
					SITE	SEAD-4	SEAD-4
					LOC ID	MW4-1	MW4-1
					LOC TYPE	BACKGROUND	BACKGROUND
					SAMP_ID	SB4-1-5	SB4-1-1
					QC CODE	DU	SA
					SAMP. DETH TOP	0	0
					SAMP. DEPTH BOT	2	2
					MATRIX	SOIL	SOIL
					SAMP. DATE	06-Dec-93	06-Dec-93
PARAMETER	UNIT	Minimum PRG Type	Minimum PRG Value	Ecological PRG	NYSDEC TAGM 4046	VALUE Q	VALUE Q
Endosulfan sulfate	UG/KG			15,820.	1,000.	3.9 U	3.9 UJ
Endrin aldehyde	UG/KG	RESIDENTIAL (NON-CARCINOGE	23,464.286	6,350.		3.9 U	3.9 UJ
Endrin ketone	UG/KG	RESIDENTIAL (NON-CARCINOGE	23,464.286	6,350.		3.9 U	3.9 UJ
Endrin	UG/KG	RESIDENTIAL (NON-CARCINOGE	23,464.286	240,910.	100.	3.9 U	3.9 UJ
Gamma-BHC/Lindane	UG/KG	RESIDENTIAL (CARCINOGEN)	491.346		60.	2. U	2. UJ
Gamma-Chlordane	UG/KG			47,360.	540.	2. U	2. UJ
Heptachlor epoxide	UG/KG	RESIDENTIAL (CARCINOGEN)	70.192	10.	20.	2. U	2. UJ
Heptachlor	UG/KG	RESIDENTIAL (CARCINOGEN)	141.944	28,620.	100.	2. U	2. UJ
Methoxychlor	UG/KG	RESIDENTIAL (NON-CARCINOGE	391,071.429			20 U	20. UJ
Toxaphene	UG/KG					200. U	200 UJ
METALS							
Aluminum	UG/KG	RESIDENTIAL (NON-CARCINOGE	78,214,285.71		19,520,000.	21,000,000.	14,800,000
Antimony	UG/KG	RESIDENTIAL (NON-CARCINOGE	31,285.714	18,437,230.	6,000.	3,800. UJ	4,800 UJ
Arsenic	UG/KG	RESIDENTIAL (CARCINOGEN)	425.833	223,670.	8,900.	4,200	6,200
Barium	UG/KG	RESIDENTIAL (NON-CARCINOGE	5,475,000.	91,840.	300,000.	97,700.	72,000.
Beryllium	UG/KG	RESIDENTIAL (CARCINOGEN)	148.547	6,570.	1,130.	640 J	730 J
Cadmium	UG/KG	RESIDENTIAL (NON-CARCINOGE	39,107.143	737,770.	2,460.	370 U	470 U
Calcium	UG/KG				125,300,000	2,460,000	4,280,000
Chromium	UG/KG	RESIDENTIAL (NON-CARCINOGE	78,214,285.71	850,430.	30,000.	27,900	23,200
Cobalt	UG/KG	RESIDENTIAL (NON-CARCINOGE	4,692,857.143		30,000.	5,900 J	11,300
Copper	UG/KG	RESIDENTIAL (NON-CARCINOGE	3,128,571.429	827,810.	33,000.	15,100	14,100
Cyanide	UG/KG			13,636,360.	350.	530 U	520 U
Iron	UG/KG	RESIDENTIAL (NON-CARCINOGE	23,464,285.71		37,410,000.	19,500,000	27,500,000
Lead	UG/KG			181,460.	24,400.	9,800. J	17,700 J
Magnesium	UG/KG				21,700,000	4,460,000.	4,270,000
Manganese	UG/KG	RESIDENTIAL (NON-CARCINOGE	1,798,928.571	8,821,860.	1,100,000.	119,000 JR	615,000 JR
Mercury	UG/KG	RESIDENTIAL (NON-CARCINOGE	23,464.286	1,710.	100.	40. J	50 J
Nickel	UG/KG	RESIDENTIAL (NON-CARCINOGE	1,564,285.714	2,833,820.	50,000.	25,100.	27,800
Potassium	UG/KG				2,623,000.	2,490,000.	1,250,000
Selenium	UG/KG	RESIDENTIAL (NON-CARCINOGE	391,071.429	193,140.	2,000.	230. J	400 J
Silver	UG/KG	RESIDENTIAL (NON-CARCINOGE	391,071.429		800.	740. U	930. U
Sodium	UG/KG				188,000.	39,200. J	43,800. U
Thallium	UG/KG	RESIDENTIAL (NON-CARCINOGE	6,257.143		855.	230. U	230. U
Vanadium	UG/KG	RESIDENTIAL (NON-CARCINOGE	547,500.		150,000.	31,000.	28,600.
Zinc	UG/KG	RESIDENTIAL (NON-CARCINOGE	23,464,285.71		115,000.	72,100.	79,600.
OTHER ANALYSES							
Fluonde	UG/KG	RESIDENTIAL (NON-CARCINOGE	4,692,857.143				
Nitrate/Nitnte	UG/KG					40.	70.
Total Petroleum Hydrocarbon	UG/KG						

TABLE 6-8

CALCULATION OF TOTAL NONCARCINOGENIC AND CARCINOGENIC RISKS
REASONABLE MAXIMUM EXPOSURE (RME)
Completion Report - Mini Risk Assessment - SEAD-44B
Seneca Army Depot Activity

RECEPTOR	EXPOSURE ROUTE	EXPOSURE/RISK CALCULATIONS Table Number	HAZARD INDEX	CANCER RISK
FUTURE PRISONER	Inhalation of Dust in Ambient Air	Table I-2	1E-01	1E-06
	Ingestion of Onsite Soils	Table I-6	2E-01	1E-05
	Dermal Contact to Onsite Soils	Table I-8	1E-02	7E-07
	Ingestion of Groundwater	Table I-20	2E+00	0E+00
	Dermal Contact to Groundwater	Table I-22	3E-02	0E+00
	TOTAL RECEPTOR RISK (Nc & Car)		*2E+00*	*1E-05*
FUTURE SITE WORKER	Inhalation of Dust Ambient Air	Table I-4	5E-02	5E-07
	Ingestion of Onsite Soils	Table I-6	2E-01	9E-06
	Dermal Contact to Onsite Soils	Table I-8	7E-03	5E-07
	Ingestion of Groundwater	Table I-20	1E+00	0E+00
	Dermal Contact to Groundwater	Table I-22	2E-02	0E+00
	TOTAL RECEPTOR RISK (Nc & Car)		*2E+00*	*1E-05*
FUTURE ON-SITE CONSTRUCTION WORKERS	Inhalation of Dust in Ambient Air	Table I-2	6E-01	2E-07
	Ingestion of Onsite Soils	Table I-6	8E-01	2E-06
	Dermal Contact to Onsite Soils	Table I-8	7E-03	2E-08
	TOTAL RECEPTOR RISK (Nc & Car)		*1E+00*	*2E-06*
FUTURE DAY CARE CENTER CHILD	Inhalation of Dust in Ambient Air	Table I-2	1E-01	3E-07
	Ingestion of Onsite Soils	Table I-6	1E+00	2E-05
	Dermal Contact to Onsite Soils	Table I-8	1E-02	2E-07
	Ingestion of Groundwater	Table I-20	3E+00	0E+00
	TOTAL RECEPTOR RISK (Nc & Car)		*5E+00*	*2E-05*
FUTURE DAY CARE CENTER WORKER	Inhalation of Dust in Ambient Air	Table I-2	5E-02	5E-07
	Ingestion of Onsite Soils	Table I-6	2E-01	9E-06
	Dermal Contact to Onsite Soils	Table I-8	7E-03	5E-07
	Ingestion of Groundwater	Table I-20	1E+00	0E+00
	TOTAL RECEPTOR RISK (Nc & Car)		*2E+00*	*1E-05*

TABLE I-22
CALCULATION OF INTAKE AND RISK FROM DERMAL CONTACT TO GROUNDWATER (while Showering)
REASONABLE MAXIMUM EXPOSURE (RME)
Completion Report - Mini Risk Assessment - SEAD 44B
Seneca Army Depot Activity

Equation for Intake (mg/kg-day) = $\frac{DA \times SA \times EF \times ED}{BW \times AT}$

Variables (Assumptions for Each Receptor are Listed at the Bottom):
DA = Absorbed Dose per Event
SA = Surface Area Contact
EF = Exposure Frequency
ED = Exposure Duration
BW = Bodyweight
AT = Averaging Time

Equation for Absorbed Dose per Event (DA):

For organics:

For inorganics: DA = Kp x CW x ET x CF

Kp = Permeability Coefficient
CW = EPC Cderm
ET = Exposure Time
CF = Conversion Factor

Equation for Hazard Quotient = Chronic Daily Intake (Nc)/Reference Dose

Equation for Cancer Risk = Chronic Daily Intake (Car) x Slope Factor

Analyte	Dermal RfD (mg/kg-day)	Carc. Slope Dermal (mg/kg-day)-1	Permeability Coefficient Kp (cm/hr)	Tau (hours)	EPC - Cderm* Groundwater (mg/liter)	Absorbed Dose/Event (mg-cm²/event)	Future Prisoner Intake (mg/kg-day) (Nc)	Future Prisoner Intake (mg/kg-day) (Car)	Future Prisoner Hazard Quotient	Future Prisoner Cancer Risk	Future Site Worker Intake (mg/kg-day) (Nc)	Future Site Worker Intake (mg/kg-day) (Car)	Future Site Worker Hazard Quotient	Future Site Worker Cancer Risk	Future Construction Worker Intake (mg/kg-day) (Nc)	Future Construction Worker Intake (mg/kg-day) (Car)	Future Construction Worker Hazard Quotient	Future Construction Worker Cancer Risk
Metals																		
Aluminum	NA	NA	1.0E-03	NA	1.23E+00	3.08E-07												
Barium	3.5E-03	NA	1.0E-03	NA	7.77E-02	1.94E-08	6.12E-06		2E-03		4.37E-06		1E-03					
Calcium	NA	NA	1.0E-03	NA	1.20E+02	3.00E-05												
Chromium	1.0E-04	NA	2.0E-03	NA	2.50E-03	1.25E-09	3.94E-07		4E-03		2.81E-07		3E-03					
Cobalt	NA	NA	4.0E-04	NA	1.80E-03	1.80E-10												
Copper	2.4E-02	NA	1.0E-03	NA	2.40E-03	6.00E-10	1.89E-07		8E-06		1.35E-07		6E-06					
Iron	3.0E-01	NA	1.0E-03	NA	2.34E+00	5.85E-07	1.84E-04		6E-04		1.32E-04		4E-04					
Magnesium	NA	NA	1.0E-03	NA	3.29E+01	8.23E-06												
Manganese	1.5E-03	NA	1.0E-03	NA	2.19E-01	5.48E-08	1.73E-05		1E-02		1.23E-05		8E-03					
Nickel	8.0E-04	NA	1.0E-03	NA	4.40E-03	1.10E-09	3.47E-07		4E-04		2.48E-07		3E-04					
Potassium	NA	NA	1.0E-03	NA	2.91E+00	7.28E-07												
Silver	1.0E-03	NA	6.0E-04	NA	7.00E-04	1.05E-10	3.31E-08		3E-05		2.36E-08		2E-05					
Sodium	NA	NA	1.0E-03	NA	8.35E+00	2.09E-06												
Thallium	8.0E-05	NA	1.0E-03	NA	4.70E-03	1.18E-09	3.70E-07		5E-03		2.64E-07		3E-03					
Vanadium	7.0E-05	NA	1.0E-03	NA	2.70E-03	6.75E-10	2.13E-07		3E-03		1.52E-07		2E-03					
Zinc	7.5E-02	NA	6.0E-04	NA	1.04E-02	1.56E-09	4.92E-07		7E-06		3.51E-07		5E-06					
Total Hazard Quotient and Cancer Risk:									**3E-02**	**0E+00**			**2E-02**	**0E+00**				

Dermal Contact to Groundwater Not Applicable For Future Construction Worker

Assumptions for Future Prisoner

SA =	23000 cm2
CF =	0.001 l/cm3
EF =	350 days/year
ED =	24 years
BW =	70 kg
AT (Nc) =	8760 days
AT (Car) =	25550 days
ET =	0.25 hours/day

Assumptions for Future Site Worker

SA =	23000 cm2
CF =	0.001 l/cm3
EF =	250 days/year
ED =	25 years
BW =	70 kg
AT (Nc) =	9125 days
AT (Car) =	25550 days
ET =	0.25 hours/day

Note: Cells in this table were intentionally left blank due to a lack of toxicity data.
NA= Information not available
* Cderm is the concentration of chmeical available for dermal absorption after accounoting for partitioning between the air and water in the shower. The calculation of Cderm is shown in Table 6-40

TABLE I-22
CALCULATION OF INTAKE AND RISK FROM DERMAL CONTACT TO GROUNDWATER (while Showering)
REASONABLE MAXIMUM EXPOSURE (RME)
Completion Report - Mini Risk Assessment - SEAD 44B
Seneca Army Depot Activity

Equation for Intake (mg/kg-day) = $\frac{DA \times SA \times EF \times ED}{BW \times AT}$

Variables (Assumptions for Each Receptor are Listed at the Bottom).
DA = Absorbed Dose per Event
SA = Surface Area Contact
EF = Exposure Frequency
ED = Exposure Duration
BW = Bodyweight
AT = Averaging Time

Equation for Absorbed Dose per Event (DA):
For organics
For inorganics DA = Kp x CW x ET x CF
Kp = Permeability Coefficient
CW = EPC Cderm
ET = Exposure Time
CF = Conversion Factor

Equation for Hazard Quotient = Chronic Daily Intake (Ne)/Reference Dose

Equation for Cancer Risk = Chronic Daily Intake (Car) x Slope Factor

Analyte	Dermal RfD (mg/kg-day)	0.0E+00 Dermal 0.0E+00	Permeability Coefficient Kp (cm/hr)	Tau	EPC - Cderm* Groundwater (mg/liter)	Absorbed Dose/Event mg-cm²/event	Future Day Care Center Child Intake (mg/kg-day) (Ne)	(Car)	Hazard Quotient	Cancer Risk	Future Day Care Center Adult Intake (mg/kg-day) (Ne)	(Car)	Hazard Quotient	Cancer Risk
Metals														
Aluminum	NA	NA	1.0E-03	NA	1.23E+00	3.08E-07								
Barium	3.5E-03	NA	1.0E-03	NA	7.77E-02	1.94E-08								
Calcium	NA	NA	1.0E-03	NA	1.20E+02	0.00003								
Chromium	1.0E-04	NA	2.0E-03	NA	2.50E-03	1.25E-09								
Cobalt	NA	NA	4.0E-04	NA	1.80E-03	1.80E-10								
Copper	2.4E-02	NA	1.0E-03	NA	2.40E-03	6.00E-10								
Iron	3.0E-01	NA	1.0E-03	NA	2.34E+00	5.85E-07								
Magnesium	NA	NA	1.0E-03	NA	3.29E+01	8.23E-06								
Manganese	1.5E-03	NA	1.0E-03	NA	2.19E-01	5.48E-08								
Nickel	8.0E-04	NA	1.0E-03	NA	4.40E-03	1.10E-09								
Potassium	NA	NA	1.0E-03	NA	2.91E+00	7.28E-07								
Silver	1.0E-03	NA	6.0E-04	NA	7.00E-04	1.05E-10								
Sodium	NA	NA	1.0E-03	NA	8.35E+00	2.09E-06								
Thallium	8.0E-05	NA	1.0E-03	NA	4.70E-03	1.18E-09								
Vanadium	7.0E-05	NA	1.0E-03	NA	2.70E-03	6.75E-10								
Total Hazard Quotient and Cancer Risk:														

Dermal Contact to Groundwater Not Applicable For Future Day Care Center Child

Dermal Contact to Groundwater Not Applicable For Future Day Care Center Adult

Note: Cells in this table were intentionally left blank due to a lack of toxicity data
NA= Information not available
* Cderm is the concentration of chmeical available for dermal absorption after accounting for partitioning between the air and water in the shower. The calculation of Cderm is shown in Table 6-40

TABLE 6-40
CALCULATION OF AIR CONCENTRATION IN SHOWER
FROM VOLATILIZATION OF GROUNDWATER (daily)
REASONABLE MAXIMUM EXPOSURE (RME)
COMPLETION REPORT - MINI RISK ASSESSMENT - SEAD 44B
SENECA ARMY DEPOT, ROMULUS, NEW YORK

Analyte	EPC Air All-Site Wells (mg/m^3)	Time of Shower -Ts (min)	Flow Rate of Shower - Fw (L/min)	EPC - RME Groundwater (mg/l)	Flow Rate of Air in Shower-Fa (m^3/min)	Volume of Bathroom-Vb (m^3)	Henry Laws Constant-H (m^3-atm/mol)	Asymptotic Air Conc.-Cinf (mg/m^3)	Rate Constant-K (1/min)	Efficiency of Release-E (unitless)	Efficiency of Release for TCE E-TCE	Henry Laws Constant-TCE (m^3-atm/mol)	Fraction Emitted* (percent)	Cderm** (Water) (mg/l)
Metals														
Aluminum	0 00E+00	15	19	1.23E+00	2.4	12	NA	0 00E+00	0 20	0.00	0.6	0.0091	0 00%	1 23E+00
Barium	0 00E+00	15	19	7.77E-02	2 4	12	NA	0 00E+00	0 20	0.00	0 6	0 0091	0 00%	7 77E-02
Calcium	0 00E+00	15	19	1.20E+02	2 4	12	NA	0.00E+00	0.20	0 00	0.6	0 0091	0.00%	1 20E+02
Chromium	0 00E+00	15	19	2 50E-03	2.4	12	NA	0 00E+00	0.20	0 00	0 6	0 0091	0 00%	2 50E-03
Cobalt	0 00E+00	15	19	1 80E-03	2.4	12	NA	0.00E+00	0.20	0 00	0 6	0.0091	0 00%	1 80E-03
Copper	0 00E+00	15	19	2.40E-03	2 4	12	NA	0.00E+00	0.20	0.00	0 6	0.0091	0 00%	2 40E-03
Iron	0 00E+00	15	19	2 34E+00	2 4	12	NA	0.00E+00	0 20	0.00	0 6	0 0091	0 00%	2 34E+00
Magnesium	0 00E+00	15	19	3.29E+01	2 4	12	NA	0 00E+00	0 20	0 00	0.6	0 0091	0 00%	3 29E+01
Manganese	0 00E+00	15	19	2 19E-01	2 4	12	NA	0.00E+00	0 20	0 00	0 6	0.0091	0 00%	2 19E-01
Nickel	0 00E+00	15	19	4 40E-03	2 4	12	NA	0 00E+00	0.20	0 00	0.6	0.0091	0 00%	4 40E-03
Potassium	0 00E+00	15	19	2.91E+00	2 4	12	NA	0 00E+00	0 20	0 00	0 6	0 0091	0 00%	2 91E+00
Silver	0 00E+00	15	19	7.00E-04	2 4	12	NA	0.00E+00	0 20	0 00	0 6	0 0091	0 00%	7.00E-04
Sodium	0 00E+00	15	19	8 35E+00	2 4	12	NA	0 00E+00	0.20	0 00	0 6	0 0091	0 00%	8 35E+00
Thallium	0 00E+00	15	19	4.70E-03	2 4	12	NA	0.00E+00	0 20	0 00	0 6	0 0091	0 00%	4 70E-03
Vanadium	0 00E+00	15	19	2 70E-03	2.4	12	NA	0.00E+00	0.20	0.00	0 6	0 0091	0 00%	2 70E-03
Zinc	0 00E+00	15	19	1.04E-02	2.4	12	NA	0 00E+00	0.20	0 00	0.6	0 0091	0 00%	1 04E-02

Concentration in Air (mg/m^3) = Cinf[1+(1/(kTs)(exp(-kTs)-1)]

Asymptotic Air Conc. - Cinf (mg/m^3) = [(E)(Fw)(Ct)]/Fa

Rate Constant - k (L/min) = Fa/Vb

Efficiency of Release - E (unitless) = (E-tce)(H)/(H-tce)

* **Fraction Emitted (fe) = (EPCair x Fa) / (EPCgw x Fw)**

** **Cderm = EPCgw x (1 - fe)**

Variables:

CA = Chemical Concentration in Air (mg/m^3)
Ts = Time of Shower (minutes)
Fw = Flow Rate of Shower (L/min)
Fa = Flow Rate of Air in Shower (m^3/min)
Vb = Volume of Bathroom (m^3)

Assumptions:

EPC - Groundwater Data - RME
15 (RME default)
19 (Estimated RME)
2.4 (Average Air Flow)
12 (Average Bathroom Volume)

TABLE
CALCULATION OF INTAKE AND RISK FROM THE INGESTION OF GROUNDWATER
REASONABLE MAXIMUM EXPOSURE (RME)
Completion Report - Mini Risk Assessment - SEAD-44B
Seneca Army Depot Activity

Equation for Intake (mg/kg-day) = $\frac{CW \times IR \times EF \times ED}{BW \times AT}$

Variables (Assumptions for Each Receptor are Listed at the Bottom):

CW = Chemical Concentration in Groundwater, from Groundwater EPC Data
IR = Ingestion Rate
EF = Exposure Frequency
ED=Exposure Duration
BW=Bodyweight
AT=Averaging Time

Equation for Hazard Quotient = Chronic Daily Intake (Nc)/Reference Dose

Equation for Cancer Risk = Chronic Daily Intake (Car) x Slope Factor

Analyte	Oral RfD	Carc. Slope Oral	EPC Groundwater	Future Prisoner				Future Site Worker				Future Construction Worker			
				Intake (mg/kg-day)		Hazard Quotient	Cancer Risk	Intake (mg/kg-day)		Hazard Quotient	Cancer Risk	Intake (mg/kg-day)		Hazard Quotient	Cancer Risk
	(mg/kg-day)	(mg/kg-day)-1	(mg/liter)	(Nc)	(Car)			(Nc)	(Car)			(Nc)	(Car)		
Metals															
Aluminum	1.0E+00	NA	1.23E+00	3.37E-02		3E-02		2.41E-02		2E-02					
Barium	7.0E-02	NA	7.77E-02	2.13E-03		3E-02		1.52E-03		2E-02					
Calcium	NA	NA	1.20E+02												
Chromium	5.0E-03	NA	2.50E-03	6.85E-05		1E-02		4.89E-05		1E-02					
Cobalt	NA	NA	1.80E-03												
Copper	4.0E-02	NA	2.40E-03	6.58E-05		2E-03		4.70E-05		1E-03					
Iron	3.0E-01	NA	2.34E+00	6.41E-02		2E-01		4.58E-02		2E-01					
Magnesium	NA	NA	3.29E+01												
Manganese	5.0E-02	NA	2.19E-01	6.00E-03		1E-01		4.29E-03		9E-02					
Nickel	2.0E-02	NA	4.40E-03	1.21E-04		6E-03		8.61E-05		4E-03					
Potassium	NA	NA	2.91E+00												
Silver	5.0E-03	NA	7.00E-04	1.92E-05		4E-03		1.37E-05		3E-03					
Sodium	NA	NA	8.35E+00												
Thallium	8.0E-05	NA	4.70E-03	1.29E-04		2E+00		9.20E-05		1E+00					
Vanadium	7.0E-03	NA	2.70E-03	7.40E-05		1E-02		5.28E-05		8E-03					
Zinc	3.0E-01	NA	1.04E-02	2.85E-04		9E-04		2.04E-04		7E-04					
Total Hazard Quotient and Cancer Risk:						**2E+00**	**0E+00**			**1E+00**	**0E+00**				

Ingestion of Groundwater Not Applicable for Future Construction Worker

Assumptions for Future Prisoner		
IR =	2	liters/day
EF =	350	days/year
ED =	24	years
BW =	70	kg
AT (Nc) =	8760	days
AT (Car) =	25550	days

Assumptions for Future Site Worker		
IR =	2	liters/day
EF =	250	days/year
ED =	25	years
BW =	70	kg
AT (Nc) =	9125	days
AT (Car) =	25550	days

Note: Cells in this table were intentionally left blank due to a lack of toxicity data.
NA= Information not available

TABLE
CALCULATION OF INTAKE AND RISK FROM THE INGESTION OF GROUNDWATER
REASONABLE MAXIMUM EXPOSURE (RME)
Completion Report - Mini Risk Assessment - SEAD-44B
Seneca Army Depot Activity

Equation for Intake (mg/kg-day) = $\frac{CW \times IR \times EF \times ED}{BW \times AT}$

Variables (Assumptions for Each Receptor are Listed at the Bottom):
CW = Chemical Concentration in Groundwater, from Groundwater EPC Data
IR = Ingestion Rate
EF = Exposure Frequency
ED=Exposure Duration
BW=Bodyweight
AT=Averaging Time

Equation for Hazard Quotient = Chronic Daily Intake (Nc)/Reference Dose

Equation for Cancer Risk = Chronic Daily Intake (Car) x Slope Factor

Analyte	Oral RfD	Carc. Slope Oral	EPC Groundwater	Future Day Care Center Child				Future Day Care Center Adult			
				Intake (mg/kg-day)		Hazard Quotient	Cancer Risk	Intake (mg/kg-day)		Hazard Quotient	Cancer Risk
	(mg/kg-day)	(mg/kg-day)-1	(mg/liter)	(Nc)	(Car)			(Nc)	(Car)		
Metals											
Aluminum	1.0E+00	NA	1.23E+00	5.62E-02		6E-02		2.41E-02		2E-02	
Barium	7.0E-02	NA	7.77E-02	3.55E-03		5E-02		1.52E-03		2E-02	
Calcium	NA	NA	1.20E+02								
Chromium	5.0E-03	NA	2.50E-03	1.14E-04		2E-02		4.89E-05		1E-02	
Cobalt	NA	NA	1.80E-03								
Copper	4.0E-02	NA	2.40E-03	1.10E-04		3E-03		4.70E-05		1E-03	
Iron	3.0E-01	NA	2.34E+00	1.07E-01		4E-01		4.58E-02		2E-01	
Magnesium	NA	NA	3.29E+01								
Manganese	5.0E-02	NA	2.19E-01	1.00E-02		2E-01		4.29E-03		9E-02	
Nickel	2.0E-02	NA	4.40E-03	2.01E-04		1E-02		8.61E-05		4E-03	
Potassium	NA	NA	2.91E+00								
Silver	5.0E-03	NA	7.00E-04	3.20E-05		6E-03		1.37E-05		3E-03	
Sodium	NA	NA	8.35E+00								
Thallium	8.0E-05	NA	4.70E-03	2.15E-04		3E+00		9.20E-05		1E+00	
Vanadium	7.0E-03	NA	2.70E-03	1.23E-04		2E-02		5.28E-05		8E-03	
Zinc	3.0E-01	NA	1.04E-02	4.75E-04		2E-03		2.04E-04		7E-04	
Total Hazard Quotient and Cancer Risk:						**3E+00**	**0E+00**			**1E+00**	**0E+00**

Assumptions for Future Day Care Center Child		Assumptions for Future Day Care Center Adult	
IR =	1 liters/day	IR =	2 liters/day
EF =	250 days/year	EF =	250 days/year
ED =	6 years	ED =	25 years
BW =	15 kg	BW =	70 kg
AT (Nc) =	2190 days	AT (Nc) =	9125 days
AT (Car) =	25550 days	AT (Car) =	25550 days

Note: Cells in this table were intentionally left blank due to a lack of toxicity data.
NA= Information not available.

CALCULATION OF INTAKE AND RISK FROM THE INGESTION OF SOIL
REASONABLE MAXIMUM EXPOSURE (RME)
Completion Report - Mini Risk Assessment - SEAD 44B
Seneca Army Depot Activity

Equation for Intake (mg/kg-day) = $\frac{CS \times IR \times CF \times FI \times EF \times ED}{BW \times AT}$

Variables (Assumptions for Each Receptor are Listed at the Bottom):
CS = Chemical Concentration in Soil, Calculated from Soil EP
IR = Ingestion Rate
CF = Conversion Factor
FI = Fraction Ingested
EF = Exposure Frequency
ED = Exposure Duration
BW = Bodyweight
AT = Averaging Time

Equation for Hazard Quotient = Chronic Daily Intake (Nc)/Reference Dose

Equation for Cancer Risk = Chronic Daily Intake (Car) x Slope Factor

Analyte	Oral RfD (mg/kg-day)	Carc. Slope Oral (mg/kg-day)-1	EPC Surface Soil (mg/kg)	EPC from Total Soils (mg/kg)	Future Prisoner Intake (mg/kg-day) (Nc)	Future Prisoner Intake (mg/kg-day) (Car)	Future Prisoner Hazard Quotient	Future Prisoner Cancer Risk	Future Site Worker Intake (mg/kg-day) (Nc)	Future Site Worker Intake (mg/kg-day) (Car)	Future Site Worker Hazard Quotient	Future Site Worker Cancer Risk
Volatile Organics												
Acetone	1.0E-01	NA	4.70E-02	4.70E-02	6.44E-08		6E-07		4.60E-08		5E-07	
Butanone, 2-	6.0E-01	NA	1.00E-02	1.00E-02	1.37E-08		2E-08		9.78E-09		2E-08	
Semivolatile Organics												
Anthracene	3.0E-01	NA	3.50E-02	3.50E-02	4.79E-08		2E-07		3.42E-08		1E-07	
Benzo(a)anthracene	NA	7.3E-01	1.30E-01	1.30E-01		6.11E-08		4E-08		4.54E-08		3E-08
Benzo(a)pyrene	NA	7.3E+00	9.80E-02	9.80E-02		4.60E-08		3E-07		3.42E-08		3E-07
Benzo(b)fluoranthene	NA	7.3E-01	9.90E-02	9.90E-02		4.65E-08		3E-08		3.46E-08		3E-08
Benzo(g,h,i)perylene	NA	NA	5.60E-02	5.60E-02								
Benzo(k)fluoranthene	NA	7.3E-02	1.10E-01	1.10E-01		5.17E-08		4E-09		3.84E-08		3E-09
Chrysene	NA	7.3E-03	1.50E-01	1.50E-01		7.05E-08		5E-10		5.24E-08		4E-10
Dibenz(a,h)anthracene	NA	7.3E+00	2.80E-02	2.80E-02		1.32E-08		1E-07		9.78E-09		7E-08
Fluoranthene	4.0E-02	NA	3.50E-01	3.50E-01	4.79E-07		1E-05		3.42E-07		9E-06	
Indeno(1,2,3-cd)pyrene	NA	7.3E-01	6.40E-02	6.40E-02		3.01E-08		2E-08		2.24E-08		2E-08
Phenanthrene	NA	NA	3.30E-01	3.30E-01								
Pyrene	3.0E-02	NA	3.80E-01	3.80E-01	5.21E-07		2E-05		3.72E-07		1E-05	
bis(2-Ethylhexyl)phthalate	2.0E-02	1.4E-02	4.20E-02	4.20E-02	5.75E-08	1.97E-08	3E-06	3E-10	4.11E-08	1.47E-08	2E-06	2E-10
Pesticides/PCBs												
4,4'-DDD	NA	2.4E-01	2.80E-02	2.80E-02		1.32E-08		3E-09		9.78E-09		2E-09
4,4'-DDE	NA	3.4E-01	4.80E-02	4.80E-02		2.25E-08		8E-09		1.68E-08		6E-09
4,4'-DDT	5.0E-04	3.4E-01	2.70E-02	2.70E-02	3.70E-08	1.27E-08	7E-05	4E-09	2.64E-08	9.44E-09	5E-05	3E-09
Dieldrin	5.0E-05	1.6E+01	5.70E-02	5.70E-02	7.81E-08	2.68E-08	2E-03	4E-07	5.58E-08	1.99E-08	1E-03	3E-07
Endosulfan I	6.0E-03	NA	2.00E-03	2.00E-03	2.74E-09		5E-07		1.96E-09		3E-07	
Metals												
Aluminum	1.0E+00	NA	1.64E+04	1.64E+04	2.25E-02		2E-02		1.60E-02		2E-02	
Arsenic	3.0E-04	1.5E+00	1.31E+01	1.31E+01	1.79E-05	6.15E-06	6E-02	9E-06	1.28E-05	4.58E-06	4E-02	7E-06
Barium	7.0E-02	NA	1.36E+02	1.36E+02	1.86E-04		3E-03		1.33E-04		2E-03	
Beryllium	5.0E-03	4.3E+00	7.70E-01	7.70E-01	1.05E-06	3.62E-07	2E-04	2E-06	7.53E-07	2.69E-07	2E-04	1E-06
Cadmium	5.0E-04	NA	3.40E-01	3.40E-01	4.66E-07		9E-04		3.33E-07		7E-04	
Calcium	NA	NA	3.33E+04	3.33E+04								
Chromium	5.0E-03	NA	2.07E+01	2.07E+01	2.84E-05		6E-03		2.03E-05		4E-03	
Cobalt	NA	NA	1.08E+01	1.08E+01								
Copper	4.0E-02	NA	2.62E+01	2.62E+01	3.59E-05		9E-04		2.56E-05		6E-04	
Iron	3.0E-01	NA	2.41E+04	2.41E+04	3.30E-02		1E-01		2.36E-02		8E-02	
Lead	NA	NA	3.95E+01	3.95E+01								
Magnesium	NA	NA	9.66E+03	9.66E+03								
Manganese	5.0E-02	NA	3.72E+02	3.72E+02	5.10E-04		1E-02		3.64E-04		7E-03	
Mercury	3.0E-04	NA	4.00E-02	4.00E-02	5.48E-08		2E-04		3.91E-08		1E-04	
Nickel	2.0E-02	NA	3.48E+01	3.48E+01	4.77E-05		2E-03		3.41E-05		2E-03	
Potassium	NA	NA	1.88E+03	1.88E+03								
Selenium	5.0E-03	NA	1.20E+00	1.20E+00	1.64E-06		3E-04		1.17E-06		2E-04	
Sodium	NA	NA	4.32E+01	4.32E+01								
Vanadium	7.0E-03	NA	2.80E+01	2.80E+01	3.84E-05		5E-03		2.74E-05		4E-03	
Zinc	3.0E-01	NA	1.45E+02	1.45E+02	1.99E-04		7E-04		1.42E-04		5E-04	
Total Hazard Quotient and Cancer Risk:							**2E-01**	**1E-05**			**2E-01**	**9E-06**

Assumptions for Future Prisoner

CS =	EPC Surface Only
IR =	100 mg soil/day
CF =	1E-06 kg/mg
FI =	1 unitless
EF =	350 days/year
ED =	24 years
BW =	70 kg
AT (Nc) =	8760 days
AT (Car) =	25550 days

Assumptions for Future Site Worker

CS =	EPC Surface Only
IR =	100 mg soil/day
CF =	1E-06 kg/mg
FI =	1 unitless
EF =	250 days/year
ED =	25 years
BW =	70 kg
AT (Nc) =	9125 days
AT (Car) =	25550 days

Note Cells in this table were intentionally left blank due to a lack of toxicity data.
NA= Information not available.

CALCULATION OF INTAKE AND RISK FROM THE INGESTION OF SOIL
REASONABLE MAXIMUM EXPOSURE (RME)
Completion Report - Mini Risk Assessment - SEAD 44B
Seneca Army Depot Activity

Equation for Intake (mg/kg-day): $\frac{CS \times IR \times CF \times FI \times EF \times ED}{BW \times AT}$

Variables (Assumptions for Each Receptor are Listed at the Bottom)
CS = Chemical Concentration in Soil, Calculated from Soil EP
IR = Ingestion Rate
CF = Conversion Factor
FI = Fraction Ingested
EF = Exposure Frequency
ED = Exposure Duration
BW = Bodyweight
AT = Averaging Time

Equation for Hazard Quotient = Chronic Daily Intake (Nc)/Reference Dose

Equation for Cancer Risk = Chronic Daily Intake (Car) x Slope Factor

Analyte	Oral RfD	Canc. Slope Oral	EPC Surface Soil	EPC from Total Soils	Future Construction Worker				Future Day Care Center Child			
					Intake (mg/kg-day)		Hazard Quotient	Cancer Risk	Intake (mg/kg-day)		Hazard Quotient	Cancer Risk
	(mg/kg-day)	(mg/kg-day)-1	(mg/kg)	(mg/kg)	(Nc)	(Car)			(Nc)	(Car)		
Volatile Organics												
Acetone	1 0E-01	NA	4 70E-02	4 70E-02	2 21E-07		2E-06		4 29E-07		4E-06	
Butanone, 2-	6 0E-01	NA	1 00E-02	1 00E-02	4 70E-08		8E-08		9 13E-08		2E-07	
Semivolatile Organics												
Anthracene	3 0E-01	NA	3 50E-02	3 50E-02	1 64E-07		5E-07		3 20E-07		1E-06	
Benzo(a)anthracene	NA	7 3E-01	1 30E-01	1 30E-01		8 72E-09		6E-09		1 02E-07		7E-08
Benzo(a)pyrene	NA	7 3E+00	9 80E-02	9 80E-02		6 58E-09		5E-08		7 67E-08		6E-07
Benzo(b)fluoranthene	NA	7 3E-01	9 90E-02	9 90E-02		6 64E-09		5E-09		7 75E-08		6E-08
Benzo(g,h,i)perylene	NA	NA	5 60E-02	5 60E-02								
Benzo(k)fluoranthene	NA	7 3E-02	1 10E-01	1 10E-01		7 38E-09		5E-10		8 61E-08		6E-09
Chrysene	NA	7 3E-03	1 50E-01	1 50E-01		1 01E-08		7E-11		1 17E-07		9E-10
Dibenz(a,h)anthracene	NA	7 3E+00	2 80E-02	2 80E-02		1 88E-09		1E-08		2 19E-08		2E-07
Fluoranthene	4 0E-02	NA	3 50E-01	3 50E-01	1 64E-06		4E-05		3 20E-06		8E-05	
Indeno(1,2,3-cd)pyrene	NA	7 3E-01	6 40E-02	6 40E-02		4 29E-09		3E-09		5 01E-08		4E-08
Phenanthrene	NA	NA	3 30E-01	3 30E-01								
Pyrene	3 0E-02	NA	3 80E-01	3 80E-01	1 78E-06		6E-05		3 47E-06		1E-04	
bis(2-Ethylhexyl)phthalate	2 0E-02	1 4E-02	4 20E-02	4 20E-02	1 97E-07	2 82E-09	1E-05	4E-11	3 84E-07	3 29E-08	2E-05	5E-10
Pesticides/PCBs												
4,4'-DDD	NA	2 4E-01	2 80E-02	2 80E-02		1 88E-09		5E-10		2 19E-08		5E-09
4,4'-DDE	NA	3 4E-01	4 80E-02	4 80E-02		3 22E-09		1E-09		3 76E-08		1E-08
4,4'-DDT	5 0E-04	3 4E-01	2 70E-02	2 70E-02	1 27E-07	1 81E-09	3E-04	6E-10	2 47E-07	2 11E-08	5E-04	7E-09
Dieldrin	5 0E-05	1 6E+01	5 70E-02	5 70E-02	2 68E-07	3 82E-09	5E-03	6E-08	5 21E-07	4 46E-08	1E-02	7E-07
Endosulfan I	6 0E-03	NA	2 00E-03	2 00E-03	9 39E-09		2E-06		1 83E-08		3E-06	
Metals												
Aluminum	1 0E+00	NA	1 64E+04	1 64E+04	7 70E-02		8E-02		1 50E-01		1E-01	
Arsenic	3 0E-04	1 5E+00	1 31E+01	1 31E+01	6 15E-05	8 79E-07	2E-01	1E-06	1 20E-04	1 03E-05	4E-01	2E-05
Barium	7 0E-02	NA	1 36E+02	1 36E+02	6 39E-04		9E-03		1 24E-03		2E-02	
Beryllium	5 0E-03	4 3E+00	7 70E-01	7 70E-01	3 62E-06	5 17E-08	7E-04	2E-07	7 03E-06	6 03E-07	1E-03	3E-06
Cadmium	5 0E-04	NA	3 40E-01	3 40E-01	1 60E-06		3E-03		3 11E-06		6E-03	
Calcium	NA	NA	3 33E+04	3 33E+04								
Chromium	5 0E-03	NA	2 07E+01	2 07E+01	9 72E-05		2E-02		1 89E-04		4E-02	
Cobalt	NA	NA	1 08E+01	1 08E+01								
Copper	4 0E-02	NA	2 62E+01	2 62E+01	1 23E-04		3E-03		2 39E-04		6E-03	
Iron	3 0E-01	NA	2 41E+04	2 41E+04	1 13E-01		4E-01		2 20E-01		7E-01	
Lead	NA	NA	3 95E+01	3 95E+01								
Magnesium	NA	NA	9 66E+03	9 66E+03								
Manganese	5 0E-02	NA	3 72E+02	3 72E+02	1 75E-03		3E-02		3 40E-03		7E-02	
Mercury	3 0E-04	NA	4 00E-02	4 00E-02	1 88E-07		6E-04		3 65E-07		1E-03	
Nickel	2 0E-02	NA	3 48E+01	3 48E+01	1 63E-04		8E-03		3 18E-04		2E-02	
Potassium	NA	NA	1 88E+03	1 88E+03								
Selenium	5 0E-03	NA	1 20E+00	1 20E+00	5 64E-06		1E-03		1 10E-05		2E-03	
Sodium	NA	NA	4 32E+01	4 32E+01								
Vanadium	7 0E-03	NA	2 80E+01	2 80E+01	1 32E-04		2E-02		2 56E-04		4E-02	
Zinc	3 0E-01	NA	1 45E+02	1 45E+02	6 81E-04		2E-03		1 32E-03		4E-03	
Total Hazard Quotient and Cancer Risk:							**8E-01**	**2E-06**			**1E+00**	**2E-05**

Assumptions for Future Construction Worker

CS =	EPC Surface and Subsurface	
IR =	480	mg soil/day
CF =	1E-06	kg/mg
FI =	1	unitless
EF =	250	days/year
ED =	1	years
BW =	70	kg
AT (Nc) =	365	days
AT (Car) =	25550	days

Assumptions for Future Day Care Center Child

CS =	EPC Surface Only	
IR =	200	mg soil/day
CF =	1E-06	kg/mg
FI =	1	unitless
EF =	250	days/year
ED =	6	years
BW =	15	kg
AT (Nc) =	2190	days
AT (Car) =	25550	days

Note: Cells in this table were intentionally left blank due to a lack of toxicity data.
NA = Information not available

TABLE I-6
CALCULATION OF INTAKE AND RISK FROM THE INGESTION OF SOIL
REASONABLE MAXIMUM EXPOSURE (RME)
Completion Report - Mini Risk Assessment - SEAD 44B
Seneca Army Depot Activity

Equation for Intake (mg/kg-day) = $\frac{CS \times IR \times CF \times FI \times EF \times ED}{BW \times AT}$

Variables (Assumptions for Each Receptor are Listed at the Bottom)
CS = Chemical Concentration in Soil, Calculated from Soil EP
IR = Ingestion Rate
CF = Conversion Factor
FI = Fraction Ingested
EF = Exposure Frequency
ED = Exposure Duration
BW = Bodyweight
AT = Averaging Time

Equation for Hazard Quotient = Chronic Daily Intake (Nc)/Reference Dose

Equation for Cancer Risk = Chronic Daily Intake (Car) x Slope Factor

Analyte	Oral RfD	Carc. Slope Oral	EPC Surface Soil	EPC from Total Soils	Future Day Care Center Adult			
					Intake (mg/kg-day)		Hazard Quotient	Cancer Risk
	(mg/kg-day)	(mg/kg-day)-1	(mg/kg)	(mg/kg)	(Nc)	(Car)		
Volatile Organics								
Acetone	1 0E-01	NA	4.70E-02	4 70E-02	4.60E-08		5E-07	
Butanone, 2-	6 0E-01	NA	1 00E-02	1 00E-02	9.78E-09		2E-08	
Semivolatile Organics								
Anthracene	3 0E-01	NA	3 50E-02	3 50E-02	3.42E-08		1E-07	
Benzo(a)anthracene	NA	7.3E-01	1.30E-01	1 30E-01		4.54E-08		3E-08
Benzo(a)pyrene	NA	7 3E+00	9.80E-02	9 80E-02		3 42E-08		3E-07
Benzo(b)fluoranthene	NA	7.3E-01	9.90E-02	9.90E-02		3.46E-08		3E-08
Benzo(g,h,i)perylene	NA	NA	5.60E-02	5 60E-02				
Benzo(k)fluoranthene	NA	7 3E-02	1.10E-01	1.10E-01		3.84E-08		3E-09
Chrysene	NA	7 3E-03	1 50E-01	1.50E-01		5.24E-08		4E-10
Dibenz(a,h)anthracene	NA	7 3E+00	2 80E-02	2.80E-02		9.78E-09		7E-08
Fluoranthene	4.0E-02	NA	3 50E-01	3.50E-01	3.42E-07		9E-06	
Indeno(1,2,3-cd)pyrene	NA	7.3E-01	6 40E-02	6.40E-02		2.24E-08		2E-08
Phenanthrene	NA	NA	3 30E-01	3.30E-01				
Pyrene	3.0E-02	NA	3.80E-01	3.80E-01	3.72E-07		1E-05	
bis(2-Ethylhexyl)phthalate	2 0E-02	1.4E-02	4.20E-02	4.20E-02	4.11E-08	1.47E-08	2E-06	2E-10
Pesticides/PCBs								
4,4'-DDD	NA	2.4E-01	2 80E-02	2.80E-02		9.78E-09		2E-09
4,4'-DDE	NA	3 4E-01	4.80E-02	4 80E-02		1.68E-08		6E-09
4,4'-DDT	5 0E-04	3 4E-01	2.70E-02	2.70E-02	2.64E-08	9 44E-09	5E-05	3E-09
Dieldrin	5 0E-05	1.6E+01	5 70E-02	5.70E-02	5.58E-08	1 99E-08	1E-03	3E-07
Endosulfan I	6.0E-03	NA	2.00E-03	2 00E-03	1.96E-09		3E-07	
Metals								
Aluminum	1 0E+00	NA	1 64E+04	1 64E+04	1.60E-02		2E-02	
Arsenic	3 0E-04	1 5E+00	1.31E+01	1 31E+01	1.28E-05	4 58E-06	4E-02	7E-06
Barium	7.0E-02	NA	1.36E+02	1.36E+02	1 33E-04		2E-03	
Beryllium	5 0E-03	4.3E+00	7 70E-01	7.70E-01	7.53E-07	2 69E-07	2E-04	1E-06
Cadmium	5 0E-04	NA	3 40E-01	3 40E-01	3.33E-07		7E-04	
Calcium	NA	NA	3 33E+04	3 33E+04				
Chromium	5 0E-03	NA	2 07E+01	2 07E+01	2 03E-05		4E-03	
Cobalt	NA	NA	1 08E+01	1 08E+01				
Copper	4 0E-02	NA	2 62E+01	2 62E+01	2 56E-05		6E-04	
Iron	3 0E-01	NA	2 41E+04	2 41E+04	2.36E-02		8E-02	
Lead	NA	NA	3 95E+01	3 95E+01				
Magnesium	NA	NA	9 66E+03	9 66E+03				
Manganese	5 0E-02	NA	3 72E+02	3 72E+02	3 64E-04		7E-03	
Mercury	3 0E-04	NA	4 00E-02	4.00E-02	3 91E-08		1E-04	
Nickel	2 0E-02	NA	3 48E+01	3 48E+01	3.41E-05		2E-03	
Potassium	NA	NA	1.88E+03	1 88E+03				
Selenium	5 0E-03	NA	1 20E+00	1 20E+00	1 17E-06		2E-04	
Sodium	NA	NA	4 32E+01	4 32E+01				
Vanadium	7 0E-03	NA	2 80E+01	2 80E+01	2 74E-05		4E-03	
Zinc	3 0E-01	NA	1 45E+02	1 45E+02	1 42E-04		5E-04	
Total Hazard Quotient and Cancer Risk:							**2E-01**	**9E-06**

Assumptions for Future Day Care Center Adult

CS =	EPC Surface Only	
IR =	100	mg soil/day
CF =	1E-06	kg/mg
FI =	1	unitless
EF =	250	days/year
ED =	25	years
BW =	70	kg
AT (Nc) =	9125	days
AT (Car) =	25550	days

Note: Cells in this table were intentionally left blank due to a lack of toxicity data
NA= Information not available

TABLE 1-8

CALCULATION OF ABSORBED DOSE AND RISK FROM DERMAL CONTACT TO SOIL
REASONABLE MAXIMUM EXPOSURE (RME)
Completion Report - Mini Risk Assessment - SEAD 44B
Seneca Army Depot Activity

Equation for Intake (mg/kg-day) = $\frac{CS \times CF \times SA \times AF \times ABS \times EF \times ED}{BW \times AT}$

Equation for Hazard Quotient = Chronic Daily Intake (Nc)/Reference Dose

Equation for Cancer Risk = Chronic Daily Intake (Car) x Slope Factor

Variables (Assumptions for Each Receptor are Listed at the Bottom):

- CS = Chemical Concentration in Soil, from Soil EPC Data
- CF = Conversion Factor
- SA = Surface Area Contact
- AF = Adherence Factor
- ABS = Absorption Factor
- EF = Exposure Frequency
- ED = Exposure Duration
- BW = Bodyweight
- AT = Averaging Time

Analyte	Dermal RfD (mg/kg-day)	Carc. Slope Dermal (mg/kg-day)-1	Absorption Factor* (unitless)	EPC Surface Soil (mg/kg)	EPC from Total Soils (mg/kg)	Future Prisoner Absorbed Dose (mg/kg-day) (Nc)	Future Prisoner Absorbed Dose (mg/kg-day) (Car)	Future Prisoner Hazard Quotient	Future Prisoner Cancer Risk	Future Site Worker Absorbed Dose (mg/kg-day) (Nc)	Future Site Worker Absorbed Dose (mg/kg-day) (Car)	Future Site Worker Hazard Quotient	Future Site Worker Cancer Risk
Volatile Organics													
Acetone	1 0E-01	NA	NA	4 70E-02	4 70E-02								
Butanone, 2-	6 0E-01	NA	NA	1 00E-02	1 00E-02								
Semivolatile Organics													
Anthracene	3 0E-01	NA	NA	3 50E-02	3 50E-02								
Benzo(a)anthracene	NA	7 3E-01	NA	1.30E-01	1 30E-01								
Benzo(a)pyrene	NA	1 8E+01	NA	9 80E-02	9.80E-02								
Benzo(b)fluoranthene	NA	7 3E-01	NA	9.90E-02	9.90E-02								
Benzo(g,h,i)perylene	NA	NA	NA	5 60E-02	5.60E-02								
Benzo(k)fluoranthene	NA	7 3E-02	NA	1.10E-01	1.10E-01								
Chrysene	NA	7 3E-03	NA	1.50E-01	1.50E-01								
Dibenz(a,h)anthracene	NA	7 3E+00	NA	2.80E-02	2.80E-02								
Fluoranthene	4 0E-02	NA	NA	3.50E-01	3.50E-01								
Indeno(1,2,3-cd)pyrene	NA	7 3E-01	NA	6.40E-02	6 40E-02								
Phenanthrene	NA	NA	NA	3.30E-01	3.30E-01								
Pyrene	3 0E-02	NA	NA	3.80E-01	3.80E-01								
bis(2-Ethylhexyl)phthalate	1 0E-02	2.8E-02	NA	4.20E-02	4.20E-02								
Pesticides/PCBs													
4,4'-DDD	NA	1 2E+00	NA	2.80E-02	2.80E-02								
4,4'-DDE	NA	1 7E+00	NA	4 80E-02	4 80E-02								
4,4'-DDT	1 0E-04	1 7E+00	NA	2 70E-02	2 70E-02								
Dieldrin	2 5E-05	3 2E+01	NA	5.70E-02	5.70E-02								
Endosulfan I	6 0E-03	NA	NA	2.00E-03	2 00E-03								
Metals													
Aluminum	NA	NA	NA	1 64E+04	1 64E+04								
Arsenic	2 4E-04	1 9E+00	0.001	1 31E+01	1 31E+01	1 04E-06	3.57E-07	4E-03	7E-07	7 43E-07	2 66E-07	3E-03	5E-07
Barium	3 5E-03	NA	NA	1 36E+02	1.36E+02								
Beryllium	5 0E-05	4.3E+02	NA	7.70E-01	7.70E-01								
Cadmium	5 0E-05	NA	0 01	3 40E-01	3 40E-01	2.70E-07		5E-03		1 93E-07		4E-03	
Calcium	NA	NA	NA	3.33E+04	3.33E+04								
Chromium	1 0E-04	NA	NA	2.07E+01	2.07E+01								
Cobalt	NA	NA	NA	1.08E+01	1 08E+01								
Copper	2 4E-02	NA	NA	2 62E+01	2 62E+01								
Iron	3 0E-01	NA	NA	2 41E+04	2 41E+04								
Lead	NA	NA	NA	3.95E+01	3.95E+01								
Magnesium	NA	NA	NA	9.66E+03	9.66E+03								
Manganese	1 5E-03	NA	NA	3 72E+02	3 72E+02								
Mercury	3 0E-06	NA	NA	4 00E-02	4 00E-02								
Nickel	8 0E-04	NA	NA	3.48E+01	3 48E+01								
Potassium	NA	NA	NA	1 88E+03	1 88E+03								
Selenium	4 5E-03	NA	NA	1 20E+00	1 20E+00								
Sodium	NA	NA	NA	4 32E+01	4 32E+01								
Vanadium	7 0E-05	NA	NA	2 80E+01	2 80E+01								
Zinc	7 5E-02	NA	NA	1 45E+02	1 45E+02								
Total Hazard Quotient and Cancer Risk:								1E-02	7E-07			7E-03	5E-07

Assumptions for Future Prisoner

CS =	EPC Surface Only
CF =	1 00E-06 kg/mg
SA =	5800 cm2
AF =	1 mg/cm2
EF =	350 days/year
ED =	24 years
BW =	70 kg
AT (Nc) =	8760 days
AT (Car) =	25550 days

Assumptions for Future Site Worker

CS =	EPC Surface Only
CF =	1 00E-06 kg/mg
SA =	5800 cm2
AF =	1 mg/cm2
EF =	250 days/year
ED	25 years
BW =	70 kg
AT (Nc)	9125 days
AT (Car) =	25550 days

Note Cells in this table were intentionally left blank due to a lack of toxicity data

NA= Information not available

* USEPA Region 2 recommends quantifying dermal exposure only for cadmium, arsenic, PCBs, dioxins/furans and pentachlorophenol, since absorption factors are not available for other chemicals of concern

TABLE 1-8
CALCULATION OF ABSORBED DOSE AND RISK FROM DERMAL CONTACT TO SOIL
REASONABLE MAXIMUM EXPOSURE (RME)
Completion Report - Mini Risk Assessment - SEAD 44B
Seneca Army Depot Activity

Equation for Intake (mg/kg-day) = $\frac{CS \times CF \times SA \times AF \times ABS \times EF \times ED}{BW \times AT}$

Variables (Assumptions for Each Receptor are Listed at the Bottom):
CS = Chemical Concentration in Soil, from Soil EPC Data
CF = Conversion Factor
SA = Surface Area Contact
AF = Adherence Factor
ABS = Absorption Factor
EF = Exposure Frequency
ED = Exposure Duration
BW = Bodyweight
AT = Averaging Time

Equation for Hazard Quotient = Chronic Daily Intake (Nc)/Reference Dose

Equation for Cancer Risk = Chronic Daily Intake (Car) x Slope Factor

Analyte	Dermal RfD (mg/kg-day)	Carc. Slope Dermal (mg/kg-day)-1	Absorption Factor* (unitless)	EPC Surface Soil (mg/kg)	EPC from Total Soils (mg/kg)	Future Construction Worker: Absorbed Dose (mg/kg-day) (Nc)	Future Construction Worker: Absorbed Dose (mg/kg-day) (Car)	Future Construction Worker: Hazard Quotient	Future Construction Worker: Cancer Risk	Future Day Care Center Child: Absorbed Dose (mg/kg-day) (Nc)	Future Day Care Center Child: Absorbed Dose (mg/kg-day) (Car)	Future Day Care Center Child: Hazard Quotient	Future Day Care Center Child: Cancer Risk
Volatile Organics													
Acetone	1.0E-01	NA	NA	4.70E-02	4.70E-02								
Butanone, 2-	6.0E-01	NA	NA	1.00E-02	1.00E-02								
Semivolatile Organics													
Anthracene	3.0E-01	NA	NA	3.50E-02	3.50E-02								
Benzo(a)anthracene	NA	7.3E-01	NA	1.30E-01	1.30E-01								
Benzo(a)pyrene	NA	7.3E+00	NA	9.80E-02	9.80E-02								
Benzo(b)fluoranthene	NA	7.3E-01	NA	9.90E-02	9.90E-02								
Benzo(g,h,i)perylene	NA	NA	NA	5.60E-02	5.60E-02								
Benzo(k)fluoranthene	NA	7.3E-02	NA	1.10E-01	1.10E-01								
Chrysene	NA	7.3E-03	NA	1.50E-01	1.50E-01								
Dibenz(a,h)anthracene	NA	7.3E+00	NA	2.80E-02	2.80E-02								
Fluoranthene	4.0E-02	NA	NA	3.50E-01	3.50E-01								
Indeno(1,2,3-cd)pyrene	NA	7.3E-01	NA	6.40E-02	6.40E-02								
Phenanthrene	NA	NA	NA	3.30E-01	3.30E-01								
Pyrene	3.0E-02	NA	NA	3.80E-01	3.80E-01								
bis(2-Ethylhexyl)phthalate	1.0E-02	2.8E-02	NA	4.20E-02	4.20E-02								
Pesticides/PCBs													
4,4'-DDD	NA	1.2E+00	NA	2.80E-02	2.80E-02								
4,4'-DDE	NA	1.7E+00	NA	4.80E-02	4.80E-02								
4,4'-DDT	1.0E-04	1.7E+00	NA	2.70E-02	2.70E-02								
Dieldrin	2.5E-05	3.2E+01	NA	5.70E-02	5.70E-02								
Endosulfan I	6.0E-03	NA	NA	2.00E-03	2.00E-03								
Metals													
Aluminum	NA	NA	NA	1.64E+04	1.64E+04								
Arsenic	2.4E-04	1.9E+00	0.001	1.31E+01	1.31E+01	7.43E-07	1.06E-08	3E-03	2E-08	1.31E-06	1.12E-07	5E-03	2E-07
Barium	3.5E-03	NA	NA	1.36E+02	1.36E+02								
Beryllium	5.0E-05	4.3E+02	NA	7.70E-01	7.70E-01								
Cadmium	5.0E-05	NA	0.01	3.40E-01	3.40E-01	1.93E-07		4E-03		3.40E-07		7E-03	
Calcium	NA	NA	NA	3.33E+04	3.33E+04								
Chromium	1.0E-04	NA	NA	2.07E+01	2.07E+01								
Cobalt	NA	NA	NA	1.08E+01	1.08E+01								
Copper	2.4E-02	NA	NA	2.62E+01	2.62E+01								
Iron	3.0E-01	NA	NA	2.41E+04	2.41E+04								
Lead	NA	NA	NA	3.95E+01	3.95E+01								
Magnesium	NA	NA	NA	9.66E+03	9.66E+03								
Manganese	1.5E-03	NA	NA	3.72E+02	3.72E+02								
Mercury	3.0E-06	NA	NA	4.00E-02	4.00E-02								
Nickel	8.0E-04	NA	NA	3.48E+01	3.48E+01								
Potassium	NA	NA	NA	1.88E+03	1.88E+03								
Selenium	4.5E-03	NA	NA	1.20E+00	1.20E+00								
Sodium	NA	NA	NA	4.32E+01	4.32E+01								
Vanadium	7.0E-05	NA	NA	2.80E+01	2.80E+01								
Zinc	7.5E-02	NA	NA	1.45E+02	1.45E+02								
Total Hazard Quotient and Cancer Risk:								**7E-03**	**2E-08**			**1E-02**	**2E-07**

Assumptions for Future Construction Worker

CS =	EPC Surface and Subsurface	
CF =	1.00E-06	kg/mg
SA =	5800	cm2
AF =	1	mg/cm2
EF =	250	days/year
ED =	1	years
BW =	70	kg
AT (Nc) =	365	days
AT (Car) =	25550	days

Assumptions for Day Care Center Child

CS =	EPC Surface Only	
CF =	1.00E-06	kg/mg
SA =	2190	cm2
AF =	1	mg/cm2
EF =	250	days/year
ED =	6	years
BW =	15	kg
AT (Nc)	2190	days
AT (Car) =	25550	days

Note: Cells in this table were intentionally left blank due to a lack of toxicity data.
NA= Information not available
* USEPA Region 2 recommends quantifying dermal exposure only for cadmium, arsenic, PCBs, dioxins/furans and pentachlorophenol, since absorption factors are not available for other chemicals of concern

TABLE 1-8
CALCULATION OF ABSORBED DOSE AND RISK FROM DERMAL CONTACT TO SOIL
REASONABLE MAXIMUM EXPOSURE (RME)
Completion Report - Mini Risk Assessment - SEAD 44B
Seneca Army Depot Activity

Equation for Intake (mg/kg-day) = CS x CF x SA x AF x ABS x EF x ED / BW x AT

Equation for Hazard Quotient = Chronic Daily Intake (Nc)/Reference Dose

Equation for Cancer Risk = Chronic Daily Intake (Car) x Slope Factor

Variables (Assumptions for Each Receptor are Listed at the Bottom):
CS = Chemical Concentration in Soil, from Soil EPC Data
CF = Conversion Factor
SA = Surface Area Contact
AF = Adherence Factor
ABS = Absorption Factor
EF = Exposure Frequency
ED = Exposure Duration
BW = Bodyweight
AT = Averaging Time

Analyte	Dermal RfD (mg/kg-day)	Carc. Slope Dermal (mg/kg-day)-1	Absorption Factor* (unitless)	EPC Surface Soil (mg/kg)	EPC from Total Soils (mg/kg)	Future Day Care Center Adult: Absorbed Dose (mg/kg-day) (Nc)	Absorbed Dose (mg/kg-day) (Car)	Hazard Quotient	Cancer Risk
Volatile Organics									
Acetone	1.0E-01	NA	NA	4.70E-02	4.70E-02				
Butanone, 2-	6.0E-01	NA	NA	1.00E-02	1.00E-02				
Semivolatile Organics									
Anthracene	3.0E-01	NA	NA	3.50E-02	3.50E-02				
Benzo(a)anthracene	NA	7.3E-01	NA	1.30E-01	1.30E-01				
Benzo(a)pyrene	NA	7.3E+00	NA	9.80E-02	9.80E-02				
Benzo(b)fluoranthene	NA	7.3E-01	NA	9.90E-02	9.90E-02				
Benzo(g,h,i)perylene	NA	NA	NA	5.60E-02	5.60E-02				
Benzo(k)fluoranthene	NA	7.3E-02	NA	1.10E-01	1.10E-01				
Chrysene	NA	7.3E-03	NA	1.50E-01	1.50E-01				
Dibenz(a,h)anthracene	NA	7.3E+00	NA	2.80E-02	2.80E-02				
Fluoranthene	4.0E-02	NA	NA	3.50E-01	3.50E-01				
Indeno(1,2,3-cd)pyrene	NA	7.3E-01	NA	6.40E-02	6.40E-02				
Phenanthrene	NA	NA	NA	3.30E-01	3.30E-01				
Pyrene	3.0E-02	NA	NA	3.80E-01	3.80E-01				
bis(2-Ethylhexyl)phthalate	1.0E-02	2.8E-02	NA	4.20E-02	4.20E-02				
Pesticides/PCBs									
4,4'-DDD	NA	1.2E+00	NA	2.80E-02	2.80E-02				
4,4'-DDE	NA	1.7E+00	NA	4.80E-02	4.80E-02				
4,4'-DDT	1.0E-04	1.7E+00	NA	2.70E-02	2.70E-02				
Dieldrin	2.5E-05	3.2E+01	NA	5.70E-02	5.70E-02				
Endosulfan I	6.0E-03	NA	NA	2.00E-03	2.00E-03				
Metals									
Aluminum	NA	NA	NA	1.64E+04	1.64E+04				
Arsenic	2.4E-04	1.9E+00	0.001	1.31E+01	1.31E+01	7.43E-07	2.66E-07	3E-03	5E-07
Barium	3.5E-03	NA	NA	1.36E+02	1.36E+02				
Beryllium	5.0E-05	4.3E+02	NA	7.70E-01	7.70E-01				
Cadmium	5.0E-05	NA	0.01	3.40E-01	3.40E-01	1.93E-07		4E-03	
Calcium	NA	NA	NA	3.33E+04	3.33E+04				
Chromium	1.0E-04	NA	NA	2.07E+01	2.07E+01				
Cobalt	NA	NA	NA	1.08E+01	1.08E+01				
Copper	2.4E-02	NA	NA	2.62E+01	2.62E+01				
Iron	3.0E-01	NA	NA	2.41E+04	2.41E+04				
Lead	NA	NA	NA	3.95E+01	3.95E+01				
Magnesium	NA	NA	NA	9.66E+03	9.66E+03				
Manganese	1.5E-03	NA	NA	3.72E+02	3.72E+02				
Mercury	3.0E-06	NA	NA	4.00E-02	4.00E-02				
Nickel	8.0E-04	NA	NA	3.48E+01	3.48E+01				
Potassium	NA	NA	NA	1.88E+03	1.88E+03				
Selenium	4.5E-03	NA	NA	1.20E+00	1.20E+00				
Sodium	NA	NA	NA	4.32E+01	4.32E+01				
Vanadium	7.0E-05	NA	NA	2.80E+01	2.80E+01				
Zinc	7.5E-02	NA	NA	1.45E+02	1.45E+02				
Total Hazard Quotient and Cancer Risk:								**7E-03**	**5E-07**

Assumptions for Day Care Center Adult

CS	EPC Surface Only
CF	1.00E-06 kg/mg
SA	5800 cm2
AF	1 mg/cm2
EF	250 days/year
ED	25 years
BW	70 kg
AT (Nc)	9125 days
AT (Car)	25550 days

Note: Cells in this table were intentionally left blank due to a lack of toxicity data.
NA = Information not available
* USEPA Region 2 recommends quantifying dermal exposure only for cadmium, arsenic, PCBs, dioxins/furans and pentachlorophenol, since absorption factors are not available for other chemicals of concern.

TABLE I-2
CALCULATION OF INTAKE AND RISK FROM INHALATION OF DUST IN AMBIENT AIR
REASONABLE MAXIMUM EXPOSURE (RME)
Completion Report - Mini Risk Assessment - SEAD-44B
Seneca Army Depot Activity

Equation for Intake (mg/kg-day) = $\frac{CA \times IR \times EF \times ED}{BW \times AT}$

Variables (Assumptions for Each Receptor are Listed at the Bottom):
CA = Chemical Concentration in Air, Calculated from Air EPC Data
IR = Inhalation Rate
EF = Exposure Frequency
ED = Exposure Duration
BW = Bodyweight
AT = Averaging Time

Equation for Hazard Quotient = Chronic Daily Intake (Nc)/Reference Dose

Equation for Cancer Risk = Chronic Daily Intake (Car) x Slope Factor

Analyte	Inhalation RfD (mg/kg-day)	Carc. Slope Inhalation (mg/kg-day)-1	Air EPC from Surface Soil (mg/m3)	Air EPC from Total Soils (mg/m3)	Future Prisoner Intake (mg/kg-day) (Nc)	Future Prisoner Intake (mg/kg-day) (Car)	Future Prisoner Hazard Quotient	Future Prisoner Cancer Risk	Future Site Worker Intake (mg/kg-day) (Nc)	Future Site Worker Intake (mg/kg-day) (Car)	Future Site Worker Hazard Quotient	Future Site Worker Cancer Risk
Volatile Organics												
Butanone, 2-	2.9E-01	NA	7.99E-10	6.58E-09	1.66E-10		6E-10		6.25E-11		2E-10	
Acetone	NA	NA	1.70E-10	1.40E-09								
Semivolatile Organics												
Anthracene	NA	NA	5.95E-10	4.90E-09								
Benzo(a)anthracene	NA	NA	2.21E-09	1.82E-08								
Benzo(a)pyrene	NA	NA	1.67E-09	1.37E-08								
Benzo(b)fluoranthene	NA	NA	1.68E-09	1.39E-08								
Benzo(g,h,i)perylene	NA	NA	9.52E-10	7.84E-09								
Benzo(k)fluoranthene	NA	NA	1.87E-09	1.54E-08								
Chrysene	NA	NA	2.55E-09	2.10E-08								
Dibenz(a,h)anthracene	NA	NA	4.76E-10	3.92E-09								
Fluoranthene	NA	NA	5.95E-09	4.90E-08								
Indeno(1,2,3-cd)pyrene	NA	NA	1.09E-09	8.96E-09								
Phenanthrene	NA	NA	5.61E-09	4.62E-08								
Pyrene	NA	NA	6.46E-09	5.32E-08								
bis(2-Ethylhexyl)phthalate	NA	NA	7.14E-10	5.88E-09								
Pesticides												
4,4'-DDD	NA	NA	4.76E-10	3.92E-09								
4,4'-DDE	NA	NA	8.16E-10	6.72E-09								
4,4'-DDT	NA	3.4E-01	4.59E-10	3.78E-09		3.28E-11		1E-11		1.28E-11		4E-12
Dieldrin	NA	1.6E+01	9.69E-10	7.98E-09		6.92E-11		1E-09		2.71E-11		4E-10
Endosulfan I	NA	NA	3.40E-11	2.80E-10								
Metals												
Aluminum	1.4E-03	NA	2.79E-04	2.30E-03	5.81E-05		4E-02		2.18E-05		2E-02	
Arsenic	NA	1.5E+01	2.23E-07	1.83E-06		1.59E-08		2E-07		6.23E-09		9E-08
Barium	1.4E-04	NA	2.31E-06	1.90E-05	4.81E-07		3E-03		1.81E-07		1E-03	
Beryllium	NA	8.4E+00	1.31E-08	1.08E-07		9.34E-10		8E-09		3.66E-10		3E-09
Cadmium	NA	6.3E+00	5.78E-09	4.76E-08		4.13E-10		3E-09		1.62E-10		1E-09
Calcium	NA	NA	5.66E-04	4.66E-03								
Chromium	NA	4.2E+01	3.52E-07	2.90E-06		2.51E-08		1E-06		9.84E-09		4E-07
Cobalt	NA	NA	1.84E-07	1.51E-06								
Copper	NA	NA	4.45E-07	3.67E-06								
Iron	NA	NA	4.10E-04	3.37E-03								
Lead	NA	NA	6.72E-07	5.53E-06								
Magnesium	NA	NA	1.64E-04	1.35E-03								
Manganese	1.4E-05	NA	6.32E-06	5.21E-05	1.32E-06		9E-02		4.95E-07		4E-02	
Mercury	8.6E-05	NA	6.80E-10	5.60E-09	1.42E-10		2E-06		5.32E-11		6E-07	
Nickel	NA	NA	5.92E-07	4.87E-06								
Potassium	NA	NA	3.20E-05	2.63E-04								
Selenium	NA	NA	2.04E-08	1.68E-07								
Sodium	NA	NA	7.34E-07	6.05E-06								
Vanadium	NA	NA	4.76E-07	3.92E-06								
Zinc	NA	NA	2.47E-06	2.03E-05								
Total Hazard Quotient and Cancer Risk:							**1E-01**	**1E-06**			**5E-02**	**5E-07**

Assumptions for Future Prisoner	
CA =	EPC Surface Only
IR =	15.2 m3/day
EF =	350 days/year
ED =	24 years
BW =	70 kg
AT (Nc) =	8760 days
AT (Car) =	25550 days

Assumptions for Future Site Worker	
CA =	EPC Surface Only
IR =	8 m3/day
EF =	250 days/year
ED =	25 years
BW =	70 kg
AT (Nc) =	9125 days
AT (Car) =	25550 days

Note: Cells in this table were intentionally left blank due to a lack of toxicity data.
NA= Information not available

TABLE I-2
CALCULATION OF INTAKE AND RISK FROM INHALATION OF DUST IN AMBIENT AIR
REASONABLE MAXIMUM EXPOSURE (RME)
Completion Report - Mini Risk Assessment - SEAD-44B
Seneca Army Depot Activity

Equation for Intake (mg/kg-day) = $\frac{CA \times IR \times EF \times ED}{BW \times AT}$

Variables (Assumptions for Each Receptor are Listed at the Bottom).
CA = Chemical Concentration in Air, Calculated from Air EPC Data
IR = Inhalation Rate
EF = Exposure Frequency
ED = Exposure Duration
BW = Bodyweight
AT = Averaging Time

Equation for Hazard Quotient = Chronic Daily Intake (Nc)/Reference Dose

Equation for Cancer Risk = Chronic Daily Intake (Car) x Slope Factor

Analyte	Inhalation Rfd (mg/kg-day)	Carc. Slope Inhalation (mg/kg-day)-1	Air EPC from Surface Soil (mg/m3)	Air EPC from Total Soils (mg/m3)	Future Construction Worker Intake (mg/kg-day) (Nc)	Future Construction Worker Intake (mg/kg-day) (Car)	Future Construction Worker Hazard Quotient	Future Construction Worker Cancer Risk	Future Day Care Center Child Intake (mg/kg-day) (Nc)	Future Day Care Center Child Intake (mg/kg-day) (Car)	Future Day Care Center Child Hazard Quotient	Future Day Care Center Child Cancer Risk
Volatile Organics												
Butanone, 2-	2 9E-01	NA	7 99E-10	6 58E-09	6 70E-10		2E-09		1 46E-10		5E-10	
Acetone	NA	NA	1 70E-10	1.40E-09								
Semivolatile Organics												
Anthracene	NA	NA	5 95E-10	4 90E-09								
Benzo(a)anthracene	NA	NA	2 21E-09	1 82E-08								
Benzo(a)pyrene	NA	NA	1 67E-09	1 37E-08								
Benzo(b)fluoranthene	NA	NA	1 68E-09	1 39E-08								
Benzo(g,h,i)perylene	NA	NA	9 52E-10	7 84E-09								
Benzo(k)fluoranthene	NA	NA	1 87E-09	1 54E-08								
Chrysene	NA	NA	2 55E-09	2 10E-08								
Dibenz(a,h)anthracene	NA	NA	4 76E-10	3 92E-09								
Fluoranthene	NA	NA	5 95E-09	4 90E-08								
Indeno(1,2,3-cd)pyrene	NA	NA	1 09E-09	8.96E-09								
Phenanthrene	NA	NA	5 61E-09	4.62E-08								
Pyrene	NA	NA	6 46E-09	5.32E-08								
bis(2-Ethylhexyl)phthalate	NA	NA	7 14E-10	5.88E-09								
Pesticides												
4,4'-DDD	NA	NA	4 76E-10	3 92E-09								
4,4'-DDE	NA	NA	8 16E-10	6 72E-09								
4,4'-DDT	NA	3.4E-01	4.59E-10	3.78E-09		5 50E-12		2E-12		7 19E-12		2E-12
Dieldrin	NA	1 6E+01	9.69E-10	7 98E-09		1 16E-11		2E-10		1 52E-11		2E-10
Endosulfan I	NA	NA	3.40E-11	2.80E-10								
Metals												
Aluminum	1.4E-03	NA	2 79E-04	2 30E-03	2.34E-04		2E-01		5 09E-05		4E-02	
Arsenic	NA	1 5E+01	2.23E-07	1 83E-06		2 67E-09		4E-08		3 49E-09		5E-08
Barium	1 4E-04	NA	2.31E-06	1 90E-05	1.94E-06		1E-02		4 22E-07		3E-03	
Beryllium	NA	8.4E+00	1 31E-08	1 08E-07		1 57E-10		1E-09		2 05E-10		2E-09
Cadmium	NA	6.3E+00	5 78E-09	4.76E-08		6 92E-11		4E-10		9.05E-11		6E-10
Calcium	NA	NA	5.66E-04	4.66E-03								
Chromium	NA	4.2E+01	3 52E-07	2.90E-06		4 21E-09		2E-07		5 51E-09		2E-07
Cobalt	NA	NA	1 84E-07	1.51E-06								
Copper	NA	NA	4.45E-07	3 67E-06								
Iron	NA	NA	4 10E-04	3 37E-03								
Lead	NA	NA	6 72E-07	5 53E-06								
Magnesium	NA	NA	1 64E-04	1 35E-03								
Manganese	1 4E-05	NA	6 32E-06	5 21E-05	5 30E-06		4E-01		1 16E-06		8E-02	
Mercury	8 6E-05	NA	6 80E-10	5 60E-09	5 70E-10		7E-06		1 24E-10		1E-06	
Nickel	NA	NA	5 92E-07	4 87E-06								
Potassium	NA	NA	3 20E-05	2 63E-04								
Selenium	NA	NA	2 04E-08	1 68E-07								
Sodium	NA	NA	7 34E-07	6.05E-06								
Vanadium	NA	NA	4 76E-07	3 92E-06								
Zinc	NA	NA	2 47E-06	2.03E-05								
Total Hazard Quotient and Cancer Risk:							**6E-01**	**2E-07**			**1E-01**	**3E-07**

Assumptions for Future Construction Worker

CA =	EPC Surface and Sub-Surface
IR =	10.4 m3/day
EF =	250 days/year
ED =	1 years
BW =	70 kg
AT (Nc) =	365 days
AT (Car) =	25550 days

Assumptions for Future Day Care Center Child

CA =	EPC Surface Only
IR =	4 m3/day
EF =	250 days/year
ED =	6 years
BW =	15 kg
AT (Nc) =	2190 days
AT (Car) =	25550 days

Note Cells in this table were intentionally left blank due to a lack of toxicity data
NA= Information not available

TABLE I-2
CALCULATION OF INTAKE AND RISK FROM INHALATION OF DUST IN AMBIENT AIR
REASONABLE MAXIMUM EXPOSURE (RME)
Completion Report - Mini Risk Assessment - SEAD-44B
Seneca Army Depot Activity

Equation for Intake (mg/kg-day) = $\frac{CA \times IR \times EF \times ED}{BW \times AT}$

Variables (Assumptions for Each Receptor are Listed at the Bottom):
CA = Chemical Concentration in Air, Calculated from Air EPC Data
IR = Inhalation Rate
EF = Exposure Frequency
ED = Exposure Duration
BW = Bodyweight
AT = Averaging Time

Equation for Hazard Quotient = Chronic Daily Intake (Nc)/Reference Dose

Equation for Cancer Risk = Chronic Daily Intake (Car) x Slope Factor

Analyte	Inhalation RfD	Carc. Slope Inhalation	Air EPC from Surface Soil	Air EPC from Total Soils	Future Day Care Center Adult			
					Intake (mg/kg-day)		Hazard Quotient	Cancer Risk
	(mg/kg-day)	(mg/kg-day)-1	(mg/m3)	(mg/m3)	(Nc)	(Car)		
Volatile Organics								
Butanone, 2-	2.9E-01	NA	7.99E-10	6.58E-09	6.25E-11		2E-10	
Acetone	NA	NA	1.70E-10	1.40E-09				
Semivolatile Organics								
Anthracene	NA	NA	5 95E-10	4.90E-09				
Benzo(a)anthracene	NA	NA	2.21E-09	1.82E-08				
Benzo(a)pyrene	NA	NA	1 67E-09	1.37E-08				
Benzo(b)fluoranthene	NA	NA	1 68E-09	1 39E-08				
Benzo(g,h,i)perylene	NA	NA	9.52E-10	7.84E-09				
Benzo(k)fluoranthene	NA	NA	1.87E-09	1.54E-08				
Chrysene	NA	NA	2 55E-09	2.10E-08				
Dibenz(a,h)anthracene	NA	NA	4.76E-10	3 92E-09				
Fluoranthene	NA	NA	5.95E-09	4.90E-08				
Indeno(1,2,3-cd)pyrene	NA	NA	1.09E-09	8.96E-09				
Phenanthrene	NA	NA	5.61E-09	4.62E-08				
Pyrene	NA	NA	6.46E-09	5.32E-08				
bis(2-Ethylhexyl)phthalate	NA	NA	7.14E-10	5.88E-09				
Pesticides								
4,4'-DDD	NA	NA	4 76E-10	3.92E-09				
4,4'-DDE	NA	NA	8 16E-10	6.72E-09				
4,4'-DDT	NA	3.4E-01	4.59E-10	3 78E-09		1 28E-11		4E-12
Dieldrin	NA	1.6E+01	9.69E-10	7.98E-09		2 71E-11		4E-10
Endosulfan I	NA	NA	3 40E-11	2.80E-10				
Metals								
Aluminum	1 4E-03	NA	2 79E-04	2.30E-03	2.18E-05		2E-02	
Arsenic	NA	1 5E+01	2 23E-07	1 83E-06		6.23E-09		9E-08
Barium	1 4E-04	NA	2 31E-06	1.90E-05	1.81E-07		1E-03	
Beryllium	NA	8.4E+00	1 31E-08	1 08E-07		3 66E-10		3E-09
Cadmium	NA	6 3E+00	5.78E-09	4 76E-08		1 62E-10		1E-09
Calcium	NA	NA	5 66E-04	4 66E-03				
Chromium	NA	4.2E+01	3.52E-07	2.90E-06		9 84E-09		4E-07
Cobalt	NA	NA	1 84E-07	1.51E-06				
Copper	NA	NA	4 45E-07	3 67E-06				
Iron	NA	NA	4.10E-04	3 37E-03				
Lead	NA	NA	6 72E-07	5.53E-06				
Magnesium	NA	NA	1 64E-04	1 35E-03				
Manganese	1 4E-05	NA	6.32E-06	5 21E-05	4 95E-07		4E-02	
Mercury	8 6E-05	NA	6 80E-10	5 60E-09	5 32E-11		6E-07	
Nickel	NA	NA	5 92E-07	4 87E-06				
Potassium	NA	NA	3 20E-05	2 63E-04				
Selenium	NA	NA	2 04E-08	1 68E-07				
Sodium	NA	NA	7 34E-07	6.05E-06				
Vanadium	NA	NA	4 76E-07	3 92E-06				
Zinc	NA	NA	2 47E-06	2 03E-05				
Total Hazard Quotient and Cancer Risk:							**5E-02**	**5E-07**

Assumptions for Future Day Care Center Adult

CA =	EPC Surface Only
IR =	8 m3/day
EF =	250 days/year
ED =	25 years
BW =	70 kg
AT (Nc) =	9125 days
AT (Car) =	25550 days

Note: Cells in this table were intentionally left blank due to a lack of toxicity data.
NA= Information not available.

TABLE I-1
AMBIENT AIR EXPOSURE POINT CONCENTRATIONS
Completion Report - Mini Risk Assessment - SEAD-44B
Seneca Army Depot Activity

Equation for Air EPC from Surface Soil (mg/m^3) = $CS_{surf} \times PM_{10} \times CF$	Equation for Air EPC from Total Soils (mg/m^3) = $CS_{tot} \times PM_{10} \times CF$
Variables: CS_{surf} = Chemical Concentration in Surface Soil, from EPC data (mg/kg) PM_{10} = Average Measured PM_{10} Concentration = 17 ug/m^3 CF = Conversion Factor = 1E-9 kg/ug	Variables: CS_{tot} = Chemical Concentration in Total Soils, from EPC data (mg/kg) PM_{10} = PM_{10} Concentration Calculated for Construction Worker= 140 ug/m^3 CF = Conversion Factor = 1E-9 kg/ug

Analyte	EPC Data for Surface Soil (mg/kg)	EPC Data for Total Soils (mg/kg)	Calculated Air EPC Surface Soil (mg/m^3)	Calculated Air EPC Total Soils (mg/m^3)
Volatile Organics				
Butanone, 2-	4.70E-02	4.70E-02	7.99E-10	6.58E-09
Acetone	1.00E-02	1.00E-02	1.70E-10	1.40E-09
Semivolatile Organics				
Anthracene	3.50E-02	3.50E-02	5.95E-10	4.90E-09
Benzo(a)anthracene	1.30E-01	1.30E-01	2.21E-09	1.82E-08
Benzo(a)pyrene	9.80E-02	9.80E-02	1.67E-09	1.37E-08
Benzo(b)fluoranthene	9.90E-02	9.90E-02	1.68E-09	1.39E-08
Benzo(g,h,i)perylene	5.60E-02	5.60E-02	9.52E-10	7.84E-09
Benzo(k)fluoranthene	1.10E-01	1.10E-01	1.87E-09	1.54E-08
Chrysene	1.50E-01	1.50E-01	2.55E-09	2.10E-08
Dibenz(a,h)anthracene	2.80E-02	2.80E-02	4.76E-10	3.92E-09
Fluoranthene	3.50E-01	3.50E-01	5.95E-09	4.90E-08
Indeno(1,2,3-cd)pyrene	6.40E-02	6.40E-02	1.09E-09	8.96E-09
Phenanthrene	3.30E-01	3.30E-01	5.61E-09	4.62E-08
Pyrene	3.80E-01	3.80E-01	6.46E-09	5.32E-08
bis(2-Ethylhexyl)phthalate	4.20E-02	4.20E-02	7.14E-10	5.88E-09
Pesticides				
4,4'-DDD	2.80E-02	2.80E-02	4.76E-10	3.92E-09
4,4'-DDE	4.80E-02	4.80E-02	8.16E-10	6.72E-09
4,4'-DDT	2.70E-02	2.70E-02	4.59E-10	3.78E-09
Dieldrin	5.70E-02	5.70E-02	9.69E-10	7.98E-09
Endosulfan I	2.00E-03	2.00E-03	3.40E-11	2.80E-10
Metals				
Aluminum	1.64E+04	1.64E+04	2.79E-04	2.30E-03
Arsenic	1.31E+01	1.31E+01	2.23E-07	1.83E-06
Barium	1.36E+02	1.36E+02	2.31E-06	1.90E-05
Beryllium	7.70E-01	7.70E-01	1.31E-08	1.08E-07
Cadmium	3.40E-01	3.40E-01	5.78E-09	4.76E-08
Calcium	3.33E+04	3.33E+04	5.66E-04	4.66E-03
Chromium	2.07E+01	2.07E+01	3.52E-07	2.90E-06
Cobalt	1.08E+01	1.08E+01	1.84E-07	1.51E-06
Copper	2.62E+01	2.62E+01	4.45E-07	3.67E-06
Iron	2.41E+04	2.41E+04	4.10E-04	3.37E-03
Lead	3.95E+01	3.95E+01	6.72E-07	5.53E-06
Magnesium	9.66E+03	9.66E+03	1.64E-04	1.35E-03
Manganese	3.72E+02	3.72E+02	6.32E-06	5.21E-05
Mercury	4.00E-02	4.00E-02	6.80E-10	5.60E-09
Nickel	3.48E+01	3.48E+01	5.92E-07	4.87E-06
Potassium	1.88E+03	1.88E+03	3.20E-05	2.63E-04
Selenium	1.20E+00	1.20E+00	2.04E-08	1.68E-07
Sodium	4.32E+01	4.32E+01	7.34E-07	6.05E-06
Vanadium	2.80E+01	2.80E+01	4.76E-07	3.92E-06
Zinc	1.45E+02	1.45E+02	2.47E-06	2.03E-05

ND = Compound was not detected above the detection limit shown

BCT AGENDA

May 18-19, 1999

1330 - 1630 May 18, 1999
0830 - 1230 May 19, 1999

NCO CLUB

TUESDAY, MAY 18

- Tour Prison Site by Bus (1330)

- OB Grounds Status
  - ROD
  - Ordnance

- Ash Landfill
  - PRAP Update
  - Treatability

- ATSDR Update
  - Public Hearing Assessment Status

- SEAD 12 Update

WEDNESDAY, May 19

→ Prison Site Update

- Completion Report
- Bldg 612
  - RAD Survey
  - Explosive Certification

→ Transfer Schedule

- FOST for Housing/Airfield/Utilities
  - No Action Sites Issue
  - EBS Report
  - Schedule

PARSONS

File
May 99
BCT

Memo

To: Stephen Absolom, Seneca Army Depot Activity

From: Michael Duchesneau

CC: Kevin Healy, CEHNC;
Dorothy Richards, CEHNC;
Randall Battaglia, CENAN;
Tom Enroth, CENAN;
Janet Fallow, CENAN;
John Buck, USAEC;
Keith Hoddinott; USACHPPM

Date: 05/25/99

Re: Minutes of BCT Meetings; May 18, 1999 and May 19, 1999

May 18, 1999

The meeting began at 13:30 hours at the Non-Commissioned Officers (NCO) Club at the Seneca Army Depot Activity (SEDA) on May 18, 1999. Attendees included: Mr. Stephen Absolom (SEDA), Mr. Randall Battaglia, (CENAN), Mr. Thomas Battaglia, (CENAN), Mr. Thomas Enroth (CENAN), Mr. Fredrick Wissel (CEHNC, Mr. Michael Duchesneau (Parsons), Ms. Carla Struble (EPA), Mr. James Quinn (NYSDEC) via phone conference, Mr. Art Roberts NYDOC, Mr. Robert Scott (NYSDEC), Mr. Daniel Geraghty (NYSDOH), Ms. Patricia Jones (IDA).

Prison Site Bus Tour The meeting began with a bus tour of the prison construction site. The site is located in the southwestern corner of the SEDA facility, adjacent to the US Coast Guard LORAN Station. The construction site is very active with approximately 7 weeks of construction activities having been completed. Most of the sitework involving clearing and grubbing is nearing complete completion. Foundations are being formed and poured. A temporary batch concrete plant has been constructed. Waste sites that are within the prison facility have been cordoned off with barriers and signs. Once the final disposition of the sites has been determined, the sites will be incorporated into the building plans of the prison. The tour viewed a large mound, approximately 100,000 CYs of stockpiled soil that had been created from excavation and grubbing activities. It was anticipated that approximately an additional pile of soil would be created of similar size before all excavation activities were completed. The tour also viewed UXO clearance activities at SEAD-44a, the Quality Assurance Test Laboratory area west of Building 616. This is the location of a small test firing range. Although the tour was not able to leave the bus or get beyond safety guideline boundaries, we were able to view UXO specialists marking location

of UXO in the berms and mounds at the firing area. The tour arrived back at the NCO club after approximately an hour.

Mr. Stephen Absolom, the SEDA BRAC Coordinator, called the BCT meeting to order at 14:30 hours at the NCO club.

OB Grounds Status

ROD: The ROD has been sent up to the EPA upper management for signature. It has to be routed to approximately ten people. All the EPA management who will need to sign the ROD have already reviewed the document when it was previously submitted as an unbound version for review. As a result, there should not be a long delay. The ROD will not be signed by NYSDEC until EPA has signed it. Mr. Stephen Absolom noted that Col. Donald Olson leaves the depot July 8, 1999 and both Steve and the Colonel would like to have the ROD signed before Colonel Olson leaves for reassignment.

Ordnance: The berms and pads would be removed and cleared for OE and stockpiled for HTRW disposal. However, the remaining OE portion of the project, aside from the pads, berms and the low lying hill, has changed from the initial plan of surface clearance, removal and a one-foot cover. A geophysical survey, done by the Huntsville OE contractor, EODT, Inc., last summer noted the presence of such a large amount of magnetic anomalies that essentially the whole site would have to be excavated. As a result, the OE plan was changed to excavate one foot of soil over the entire site and sift the excavated soil for ordnance. Following the sifting and removal of ordnance, the soil would be stockpiled for reuse as fill at other sites, not the OB Grounds, since the soil would be below the 500 mg/kg criteria for off-site disposal. This chance resulted in a resubmission of the Explosive Safety plan. Col. Olson asked the Huntsville commander, Col. Cunningham, why this process can't proceed with the pad and the berms, instead of requiring a new submittal since this portion of the plan has remained the same. Huntsville is in the process of responding to Colonel Olson's request. Mobilization for the OE clearance portion of the project will begin June 7.

At a pre-construction conference, May 5, it was noted that all labor rates that have been used to price the project was based labor rates used for a service contract. Normally construction projects require the use of the provisions of the Davis-Bacon Act for labor contracting. The COE is trying to avoid cost escalation do to the job but cannot avoid an increase as a result of this contracting change. The excavation subcontractor for EODT submitted bids using service contract rates, whereas, the government excavation contractor, to be used by CENAN, submitted labor costs for excavation using rates for a construction contract. To avoid one subcontractor operating the same equipment getting paid different rates thereby creating labor problems. Huntsville has determined that all contracting will be subject to the provisions of the Davis-Bacon Act. Hourly rates for the EODT excavation contractor will need to change. Huntsville and the OE contractor, EODT Inc., will need to obtain new bids for excavation. Once the excavation contractor has rebid the job, it is anticipated that excavation will start, approximately on June 14, and will require 2-3 months to complete ~ 70 working days. Col. Olson has asked Col. Cunningham, Huntsville, to do whatever they can to make this more forward.

EPA asked what is meant by the term "unrestricted use"? The Army believes that unrestricted use to mean that if nothing is found after removal of the 1 foot of soil and the site has been subjected to a geophysical survey and found to be free of ordnance then all land uses will be allowed. The Army has performed two test plots that confirms that all ordnance is within the one-foot soil zone. If, after removing the one foot of soil, a geophysical survey shows the presence of some anomalies then those anomalies will be excavated. If the geophysical survey identified the presence of numerous anomalies then CEHNC will perform statistical testing to determine which anomalies will be excavated and removed. This aspect of the OE portion of the project will not affect the ROD. Huntsville will submit a final report to EPA and the NYSDEC. All soil will be stockpiled into three piles: presumed clean, presumed >500, presumed >TCLP.

EPA wants to review the Remedial Design and the Remedial Action Workplan.

Ash Landfill Status

PRAP Update: By COB next Thursday, EPA and NYSDEC will receive a letter from SEDA regarding the current status and proposed changes to the PRAP. The proposed changes will recommend a vegetative cover over the NCFL and the Ash Landfill but will not include Areas A and B. SEDA does not want to split the remedial action into two separate actions, one for groundwater and one for the soil if it can be avoided. This letter proposing changes to the existing PRAP will keep the action as one.

Treatability: First round of groundwater sampling has been performed. Methane, ethene and ethane data has been received and the results indicate the presence of increased levels of these end products, suggesting that the reactive iron media is working.

ATSDR Update

Public Hearing Assessment Status: Public Health Assessment has been distributed in Pre-draft form, for agency review. NYSDEC does not have a copy. DOH has a copy and will send a copy to DEC. ASTDR is here at SEDA talking with the local public health department representatives about the results of the health assessment study. ASTDR will attend the RAB tonight. The Army raised some concerns regarding several of the facts presented in the report.

SEAD-12 Update

Remaining issues involving finalizing the workplan. Ecological survey is planned for this early summer. EPA has requested that we finalize the workplan prior to implementing the ecological survey. A phone conference call will be scheduled for resolution of the remaining EPA concems over the ecological survey. ERAGS will be used as the basis of performing the work. The workplan does not have the format exactly as the newer version of ERAGS requires but all the requirements are described.

The radiological laboratory, CORE has received recertification from MRD. A certification letter was to be sent to EPA. DOH noted receipt of NRC violation paperwork. The violation was in regards to an annual review that was supposed to be accomplished but had not been submitted. The NRC inspector wrote-up the depot. SEDA has not received the violation notice.

May 19, 1999

The second day of the BCT meeting began on May 19, 1999 at 08:30 at the NCO Club. Attendees included: Mr. Stephen Absolom (SEDA), Mr. Randall Battaglia, (CENAN), Mr. Thomas Battaglia, (CENAN), Mr. Thomas Enroth (CENAN), Mr. Kevin Healy (CEHNC), Mr. Frederick Wissel (CEHNC), Ms. Janet Fallo (CENAN), Mr. Michael Duchesneau (Parsons), Ms. Carla Struble (EPA), Mr. James Quinn (NYSDEC) via a phone conference call, Mr. Robert Scott (NYSDEC), Mr. Daniel Geraghty (NYSDOH) and Ms. Patricia Jones (IDA).

Summary of last night's RAB meeting:

Tour of the prison site started the RAB meeting.

Three (3) members of the ASTDR agency made a presentation to the RAB describing what ASTDR

Two activists were present that confronted the agencies, the Army, ASTDR and the RAB for not providing a health study evaluation at the prison site prior to the construction. They believe that the public health study should have been addressed by a SEQR. Mr. Ken Reimer of the RAB, asked to get

Since the designation of SWMUs and AOCs, involve interpretation of the FFA it was felt that the BCT should be given some expert advice and it was suggested that a conference call with Jim Doyle, the EPA attorney who helped negotiate the FFA would be worthwhile.

The transfer of property via a Finding of Suitability to Transfer (FOST) is expected to be completed by May/June 2000.

Building 612:

RAD Survey: The Army has completed all the radiological surveying at Building 612. The Army has received the radiological data back from the laboratory. The Army radiological safety expert, John Cleary, is reviewing the entire swipe sampling data. Mr. Cleary has discussed the data with DOH who wants to review the data. Mr. Cleary has indicated to Mr. Absolom that every swipe taken in the building was under 100 dpm. Mr. Cleary believes that this should be sufficient with DOH to allow the transfer of the building to the Department of Corrections (DOC). Mr. Absolom expects to have the data report done by the end of the week. The building will also be decommissioned for the presence of explosive residue. This will involve steam cleaning the walls and the floors of the building. The DOH representative Mr. Geraghty indicated to the Army that the Army should not steam clean until the radiological data has been presented to the DOH.

Transfer Schedule

The FOST for Housing/Airfield will be the first FOST that the DEC will see. All areas within the airfield and the housing area will be transferred at the same time. DEC recommends that the sites be separated to avoid any delays should one site disposition be in question. The Army intends to incorporate all sites into one transfer document. The Industrial Development Agency (IDA) prefers to have the areas separated into two FOSTs. The utilities, i.e. the pipes or the sewage treatment plant, will also be transferred. However, the land around the utilities will not be transferred but will be given as an easement. Essentially, the pipes will be transferred but the land will not. The housing developer has indicated that he need to repair many of the properties to make them habitable. He may do lead paint remediation. The Army will give them a right of way to do this. This work should be done by June 1. Steve is doing a Finding of Suitability to Lease (FOSIL) to lease these housing properties, Elliot Acres and the Lake. He expects a 14-day review period from regulators. DEC indicated the Plattsburg review time is 30 days.

The Army noted that the North End lease for the Kids Peace organization has the ability to add property to it. This allows the organization to have the houses occupied by end of July. It was noted that only the IDA can sublease or lease from the Army. The plan is for the IDA to sell the lake housing and occupy the North End. The work will be done in three phases. Phase 1 will involve granting a Lease Right of Entry for family housing by June 1. During Phase 2 the Army will lease the family housing area. During Phase 3 the IDA will transfer the housing areas, including the airfield. Transfers are expected to be completed by June 30. The agencies did not believe that the transfers could happen by June 30. The Army expects to provide a FOSIL for family housing next week.

The EPA asked if lead based paint sampling would be done prior to the transfer. The Army has provided the lead paint data to a lead based paint risk assessment company for evaluation and recommendations for further sampling. HUD guidelines, Title 10, for risk assessment indicates that multi-housing means that if sampling is done for one unit, which is identical to all other housing units, then the sampling has satisfied the representation requirements of Title 10. To date a total of 49 samples have been obtained. The lead based paint risk assessment company intend on selecting 19 out of the 49 samples to do the risk assessment on. The 49 sample were collected in 1994 but are adequate to use for the risk assessment. EPA asked how will the risk assessment company determine which of the 19 samples will be selected from the 49. The Army was not sure. However, the 49

a pre-release update of the ASTDR human health study so that he can respond to public questions that may arise after the health study is made public. The activists requested that the Army video tape the RAB meeting and broadcast the meeting over the local cable station.

Next meeting scheduled for June 15, 1999.

Prison Site Update

Completion Report: The Army has received NYSDEC comments. EPA will send comments. The close-out documentation for sites that are no-action sites was discussed. The question was whether or not a No Further Action (NFA) ROD or Completion Document would be sufficient to remove the sites from further consideration. The Army needs some type of a decision document to facilitate the transfer of the property in the FOST. EPA does not want to do a NFA ROD for multiple sites due to the requirements that are necessary to have a ROD signed. This includes a large amount of review and involves a long time, which will delay the transfer of these properties. The Army believed that a NFA ROD is required.

Mr. Duchesneau, of Parsons, indicated that the FFA allows for sites to be eliminated form the process without a ROD, providing that the site is not given the designation as an Area of Concern (AOC). He stated that the designation of sites as AOCs goes back to when the universe of sites were being identified, which was part of the SWMU identification and RCRA permit classification process. This led to the identification of 72 sites. A SWMU could be eliminated from further concern as a No Action SWMU. After discussions with NYSDEC approximately 25 or so of these sites were given No Action designations. A SWMU that was a concern was classified as a concern was designated an AOC. The remainder of the sites were never classified as either a SWMU nor an AOC. A mini-risk assessment was considered the mechanism to determine if a threat existed. The point is that if a site is not considered to be an Area of Concern (AOC), then the site may be eliminated from further consideration by calling the site a NFA SWMU and listing the site as a NFA SWMU in the RCRA permit. Mr. Duchesneau brought this up to highlight that the FFA process allows sites to be designated as NFA sites without having to do a NFA ROD. Since the depot has no RCRA permit, it was suggested that another document could be prepared, such as a Decision Document that would substitute for the RCRA permit and fulfill the IAG requirement. This will allow the sites that are NFA sites to be eliminated from the process without the need to do a ROD. The designation of sites as AOCs has never been formalized so it should be possible to designate the new universe of sites as NFA sites without ROD.

Jim Quinn, of NYSDEC, indicated that the IAG requires a ROD to be prepared after a completion report is submitted. He felt that by doing an Expanded Site Investigation (ESI), which many of the sites within the prison has had, the Army is required to follow the IAG requirements, which requires that a ROD be prepared. He noted that Paragraph 10.5 and 10.6, provides the description of the process. Section 10.8 of the FFA states that all AOCs will be documented in a NFA ROD. Mr. Quinn also noted that Section 10.4 of the FFA notes that sites other than SWMUs can be included as AOCs. The section states that locations where there has been a release or a threat of a release into the environment of a hazardous substance, pollutant or contaminant can be identified as an AOC. He stated that according to this definition, EBS sites could be nominated as AOCs. It was felt that EBS sites, which included rumored sites should be removed them from the universe of sites as part of finalization of the EBS report. Section 10.3 (c) of the FFA. states that SWMUs that are classified as AOCs shall be those from which a release or a threat of a release of hazardous substances, pollutants, or contaminants has or may have occurred resulting in a threat to the public health, welfare, or environment or those SWMUs for which there is insufficient information to classify as No Action SWMUs. EBS sites can removed as sites via a letter that classifies these sites as NFA.

samples were collected from only the interior paint of the building. SEDA has collected some soil samples but was not sure if this data will be used in the risk assessment. EPA noted that an interim final document would be published by next month and EPA expects the Army to follow the requirements of the interim final document.

No Action Sites Issue: Already discussed.

Schedule: FOSIL for the housing area is expected next week and the FOST will be provided within 14 days after that. The lease will be in place prior to July 1. Transfer to occur as soon after than. The transfer will be for the housing and the airfield.

The RI for SEAD-12, is expected to be submitted in Dec. to include time for the building surveys. EPA suggested a closer date then request an additional extension.

Mr. Duchesneau indicated that background soil sampling was performed in the ballfield for the presence of the isotopes of concern, including Pu 239 and U 235, which are weapons material. The sampling revealed the presence of intermittent low levels of Pu and U. While he was not sure of the detection level he did note that some "hits" may have been obtained in the ballfield of the North End. He stated that the data are being evaluated to confirm if the "hits" are real or are due to interference. Since the transfer of the North End appears to be occurring in a short time period, he felt that this data should be reviewed and considered. Mr. Duchesneau stated that it was unlikely that this material could have been released from the storage area and was most likely a laboratory artifact. This issue is currently being evaluated. He recommended that some confirmatory sampling could be done at an off-site location to help determine if the area in the North End is background. He also recommended that additional sampling could include split sampling with other laboratories such as MRD, to confirm the CORE laboratory analysis. This information will be provided to EPA and DEC for their review. There was some concern that this data could hold-up the transfer of the North End.

SEAD-25/26 FS letter to EPA and DEC about dropping areas from the PRAP was discussed. The Army has not received any indication from the agencies regarding the agreement for this.

Rob Scott the DEC regional representative noted that the annual Environmental Project Managers Meeting will be held on June 14, 15 and 16. The Guardian Glass site will be toured on the afternoon of June 15 and a tour of the depot was planned for the morning of June 15. The topic of the meeting was economic development and the project manager. He noted that the DEC is trying to foster economic development by working closely with the IDA, DOCs other agencies. During the tour of the depot, he was interested in having a representative of the depot describe for the group the reuse projects and proposals that are on-going at the depot. Mr. Scott indicated that the DEC is interested in a briefing of the Q Area and the history. He also was interested in touring the OB Grounds remediation project. Mr. Healy indicated that the remediation project is slated to start on June 15 and a tour may not be a good idea, since it was the first day of the remediation project. Mr. Healy noted that tours at ordnance projects mean all project activities would have to be shut down.

BCT AGENDA

September 21-22, 1999
1330 - 1630 September 21, 1999
0830 - 1230 September 22, 1999

NCO CLUB

TUESDAY, SEPTEMBER 21

→	1330-1350	Regulator Introduction to LTC Brian Frank, Base Commander
→	1400-1500	Meeting with Kids Peace "The Process"
→	1500-1530	Break
→	1530-1700	OB Grounds Tour

WEDNESDAY SEPTEMBER 22

→	0800-0945	Project Review Status
→	0945-1000	Break
→	1000	Tour of Deactivation Furnace
→	1100	Meeting Concludes

ENVIRONMENTAL SITES – NORTH END PARCEL

1. SEAD 29 – Bldg 732 Waste Oil Tank: Tank has been removed. Awaiting preparation of closeout document.

2. SEAD 32 – Bldg 718 – Two (2) Waste Oil Storage Tanks (Central Boiler House): Remaining in ground. Part of Waste Tank Program but does not need monitoring. No further actin required. Awaiting preparation of closeout document.

3. SEAD 35 – Bldg 718 – Three (3) Waste Oil Burners: No action required. Awaiting preparation of closeout document.

4. SEAD 41 – Bldg 718 – Boiler Blowdown Pit: Needs removal action and test.

5. SEAD 61 – Bldg 718 – One (1) UST Waste Oil Tank: Still in ground. Double walled fiberglass – in compliance. In Tank Program. No further action required. Awaiting preparation of closeout document.

6. SEAD 18 – Bldg 709 – Classified Document Incinerator: No hazards associated with incinerator. No action required. Awaiting preparation of closeout document.

7. SEAD 7 – Shale Pit (outside Post 3): Excavated shale. No further action required. Awaiting preparation of closeout document.

8. SEAD 21 – Bldg 715 Sewage Treatment Plant: Spill closed out. No further action required. Awaiting preparation of closeout document.

9. SEAD 123A – EBS Site Indoor Range – Bldg 744 – Basement of Gym; Bullet trap cleaned and tested.

10. SEAD 123B – EBS Site Above ground 40,000 petroleum storage tank (In open field across from Theater): In tank program. Empty since 88. Sampled ground for spills. No further action required. Awaiting closeout of document.

11. SEAD 123C – EBS Site Bldg 747: Building checked out OK. Fuel tank outside building removed. Monitoring well installed. Site closed out. Awaiting on closeout of document.

12. SEAD 123D – EBS Site west of Bldg 715 STP: Completed investigation. No further action required. Awaiting closeout of document.

Notes – Continued.

13 Behind Auto Hobby Shop: Test revealed one No further action required. Awaiting closeout of

14 Mound – North of Post 3: Completed survey. No further action required. Awaiting closeout of

15 Buildings are pre-56. LBP notification will be in No plans for surveys or abatement. No further

16 Survey completed in 89 or 91. Reinspection

17 Removed that require removal. Remaining tanks

18 Over 500 ppm at north end.

19 No further action required.

20 Search report: Nothing identified at North End.

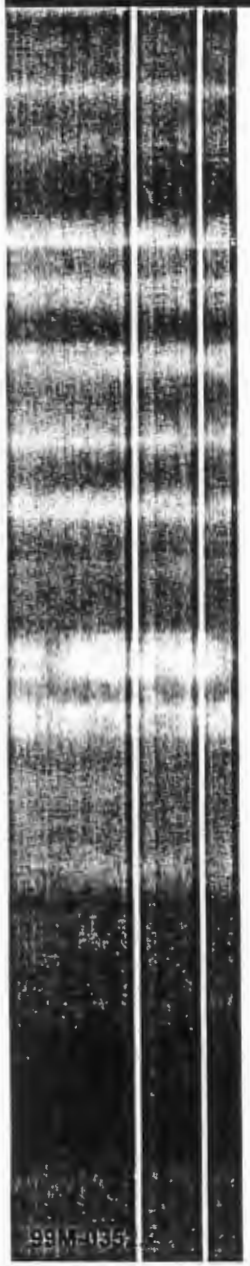
U.S. Army Corps of Engineers

New York District

Seneca Army Depot Activity

Romulus, NY

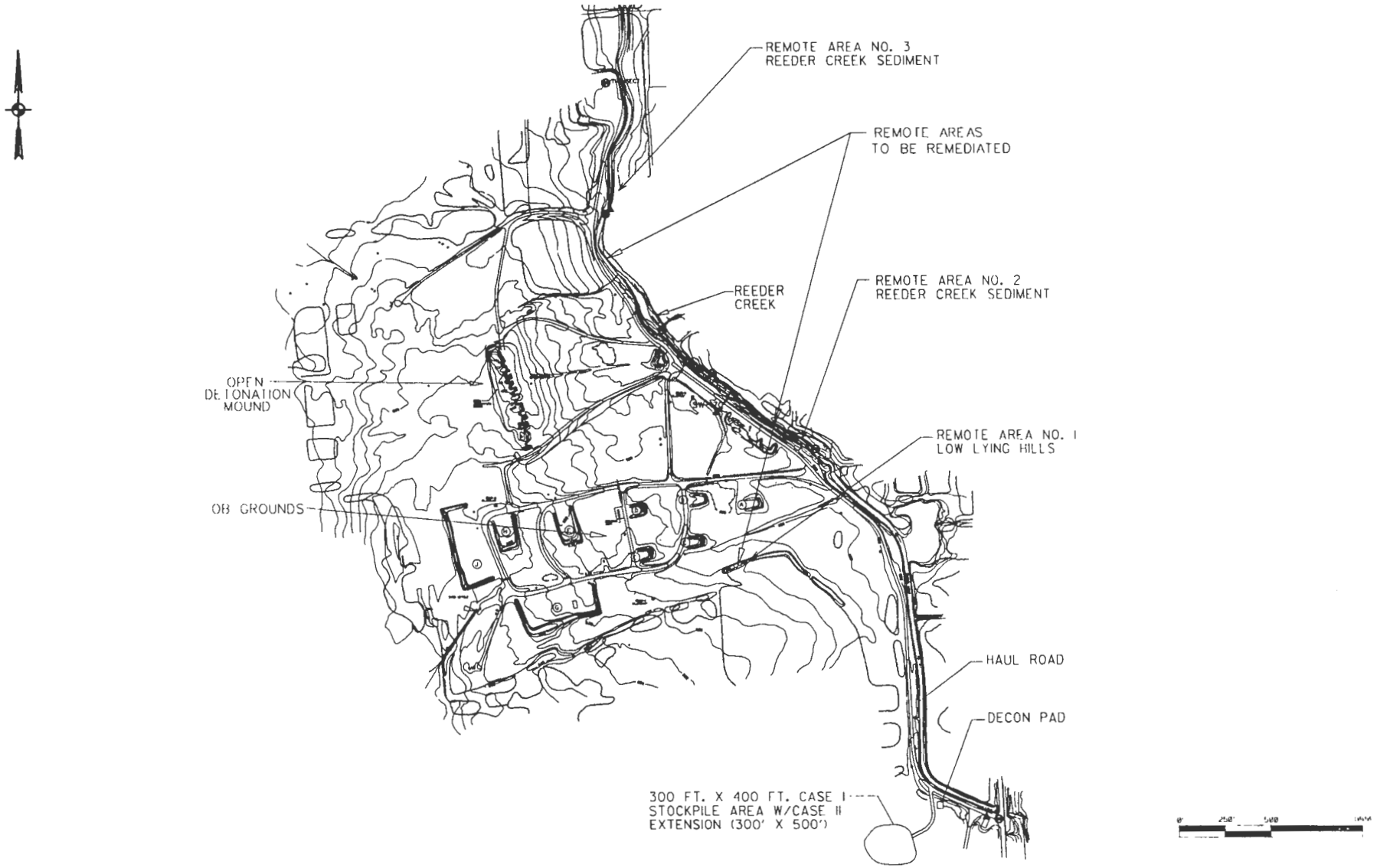
Background



- The Open Burning Grounds was placed on the Federal National Priorities List on July 13, 1989
- Remedial actions are to be performed in accordance with the Comprehensive Environmental Response Compensation and Liabilities Act (CERCLA)
- The Army completed the Remedial Investigation Report in September 1994 and the Feasibility Study Report in March 1996
- The RI/FS concluded that specific remediation for lead contaminated soils and lead/copper sediments is required
- The Final Record of Decision (ROD) defining the Selected Remedy was signed June 1999
- The Department of Defense Explosives Safety Board (DDSB) approval was received for OE clearance on 14 July 1999

Introduction

- Roy F. Weston, Inc. is under contract with the U.S. Army Corps of Engineers under Task Order No. 0013 (Contract No. DACW-33-95-D0004)
  - Contract Vehicle (Cost-Reimbursable Task Order)
- The OB Grounds Remediation is being performed in accordance with the ROD and the Remedial Design (Parsons Final Section C – Technical Specifications – August 1998)
- The Revised Draft Project Work Plan, Health and Safety Plan, and the Sampling and Analysis Plan define Weston's technical approach in accordance with State, Federal, and local regulations
- The Remedial Design document combined with EODT's Work Plan for the Ordnance and Explosives Removal Action, and Weston's Project Work Plans for Soil and Sediment Remediation address the Remedial Action for the OB Grounds

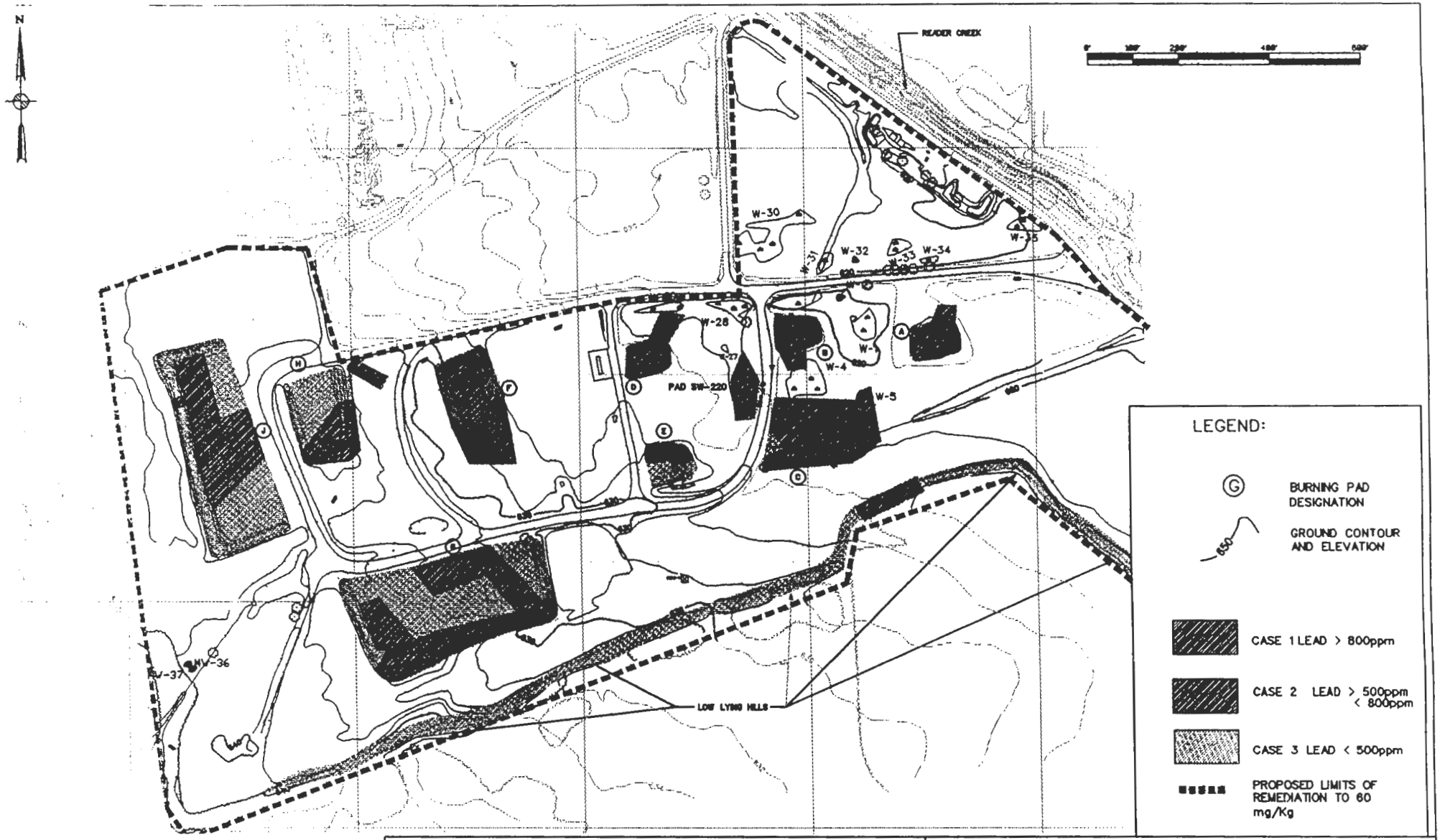


SITE PLAN

SENECA ARMY DEPOT ACTIVITY (SEDA)
ROMULUS, NEW YORK

ROY F. WESTON, INC.
WESTON
MANAGERS DESIGNERS/CONSULTANTS

DRAWN	DATE	DES. ENG.	DATE	W. O. NO
JBI	SEPT 99			



REMEDIAL ACTION AT THE BURNING GROUNDS
SENECA ARMY DEPOT ACTIVITY (SEDA)
ROMULUS, NEW YORK

DEPARTMENT OF THE ARMY
NEW YORK DISTRICT
CORPS OF ENGINEERS
FORT DRUM, NEW YORK

PROPOSED LIMITS OF EXCAVATION
CASE I, II, AND III

WESTON
MANAGERS DESIGNERS/CONSULTANTS
MANCHESTER NEW HAMPSHIRE

DRAWN	JBT
DATE	SEP 99
FIGURE NO.	2

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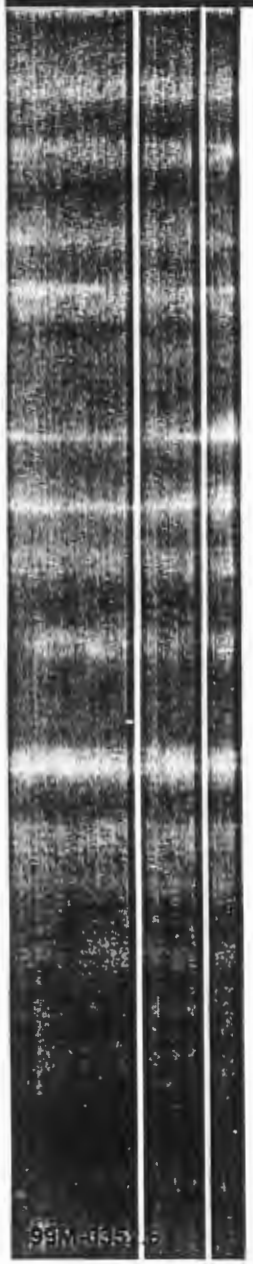
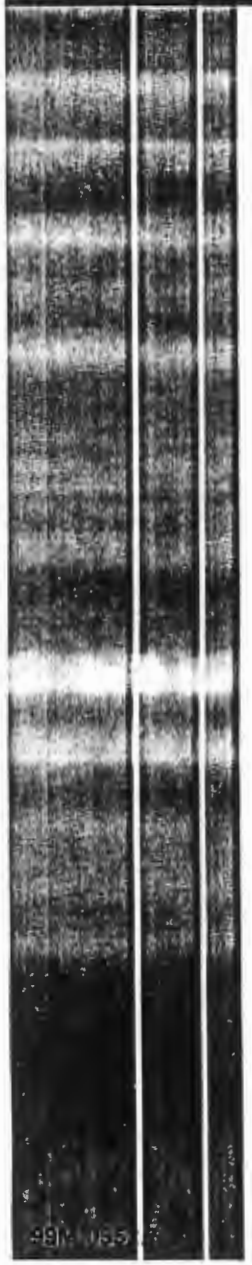
Project Objectives



- EODT to excavate and sift Case I, II, and III soil to identify, remove, and dispose of Ordnance and Explosives (OE) material from the Open Burning Grounds for clearance purposes
- EODT to Load and transport Case I, II, and III soil (lead contaminated) from the OB Grounds to the stockpile staging area for characterization and disposal by WESTON
- Excavate and remove contaminated sediments from Reeder Creek
- Collect, treat and discharge wastewater in accordance with NYSDEC permit limits

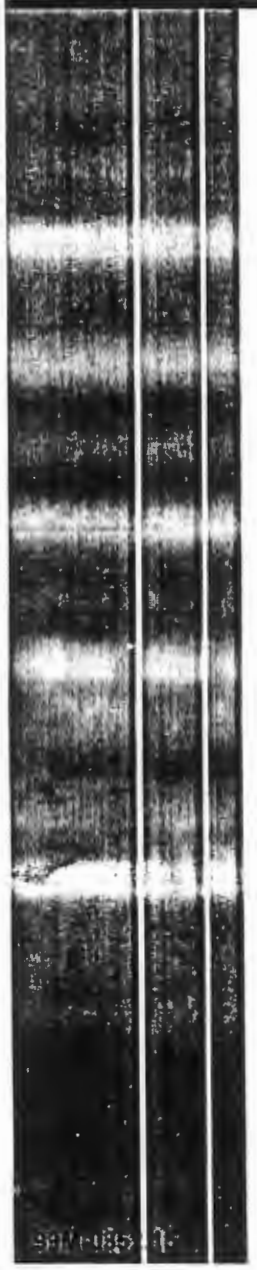
Project Objectives (Cont'd)



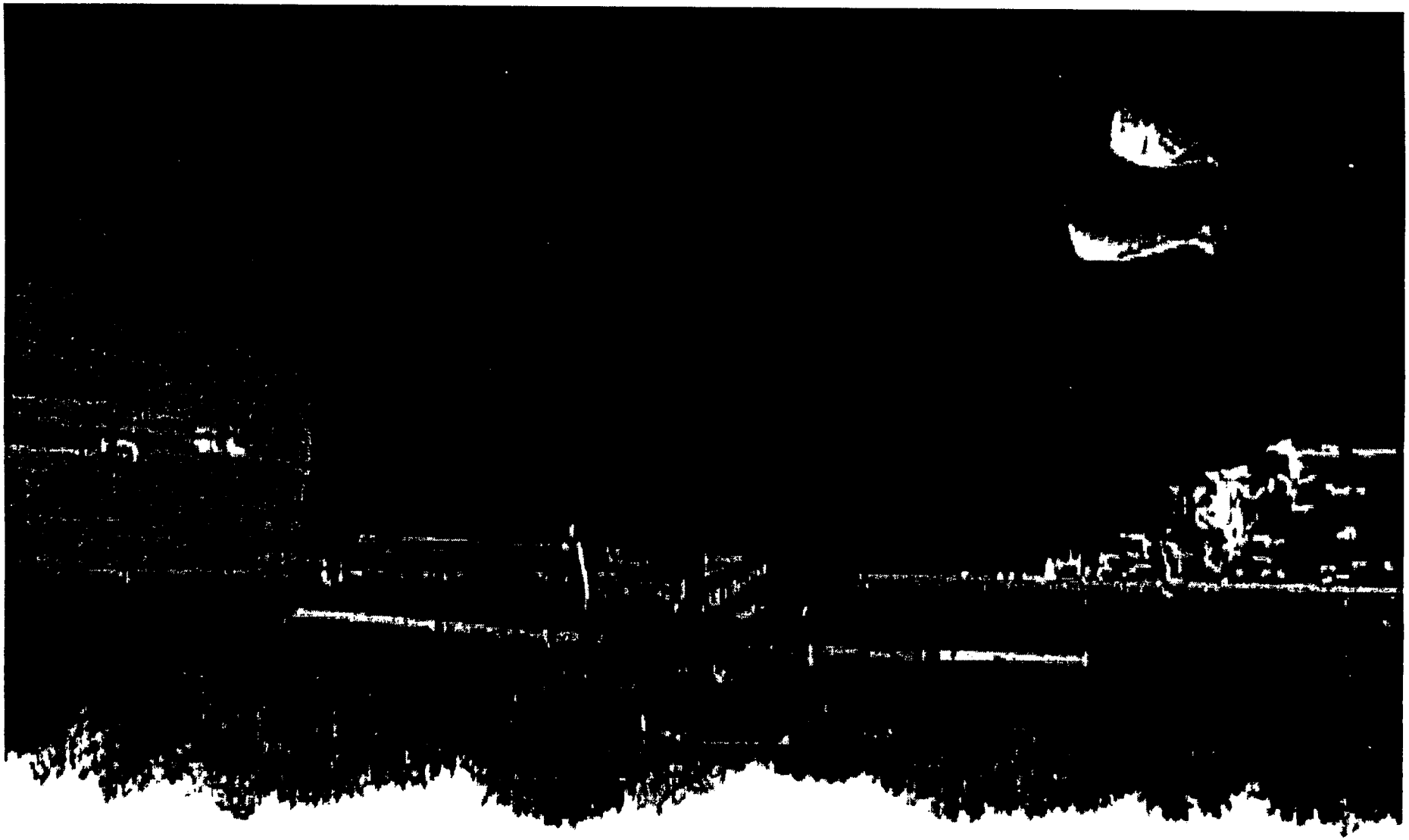
- Perform post excavation confirmatory sampling, grid/perimeter sampling, and stockpile characterization sampling to meet remedial action cleanup criteria
- Stabilize soils that fail TCLP criteria
- Dispose of Case I and II (treated and untreated) material offsite
- Remove and/or cover surface soil within the OB Grounds containing concentrations of lead greater than 60 mg/kg
- Decommission 31 groundwater monitoring wells and install 7 new wells
- Perform the project with zero accidents

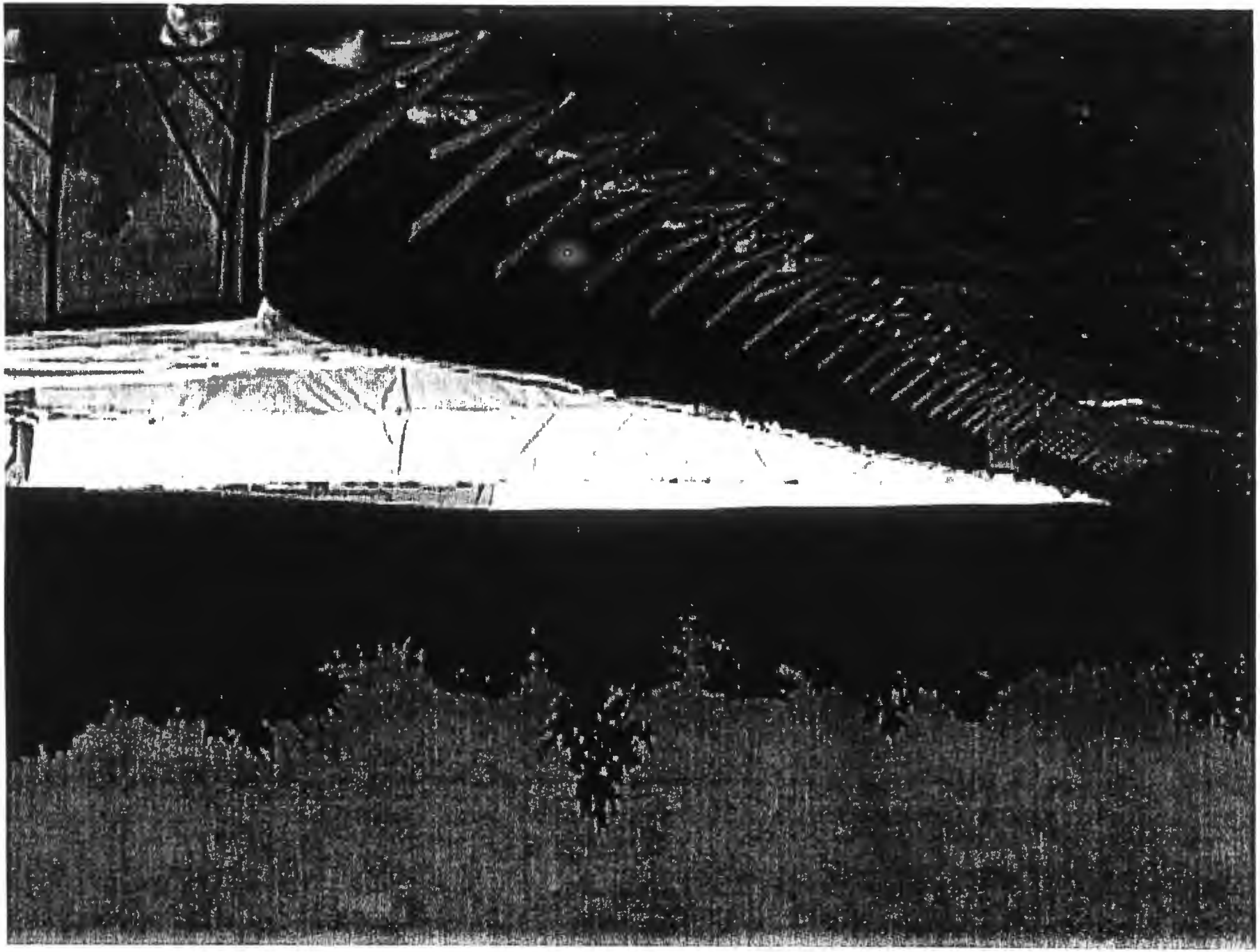
Safety is a job
Requirement

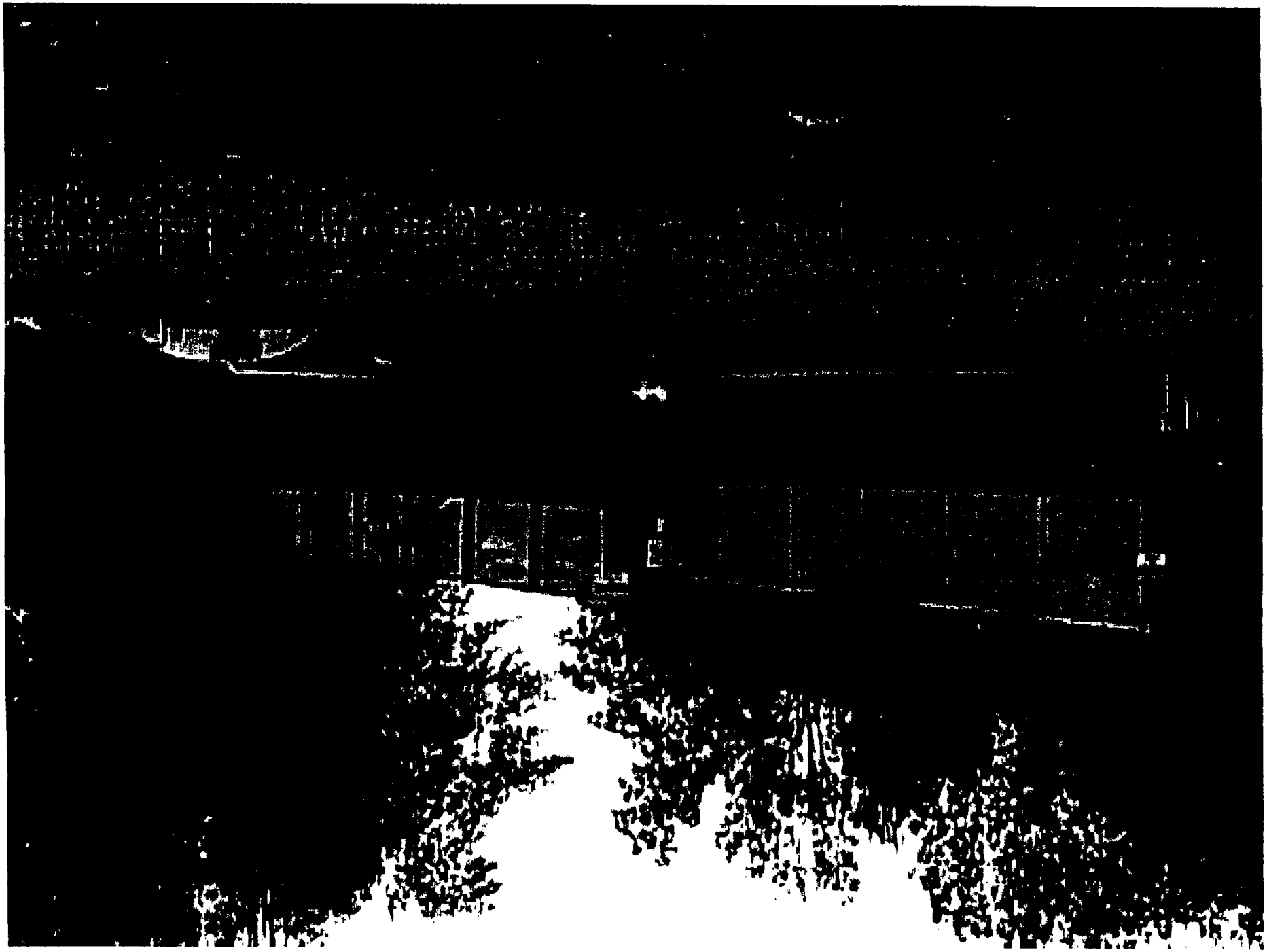
Current Status



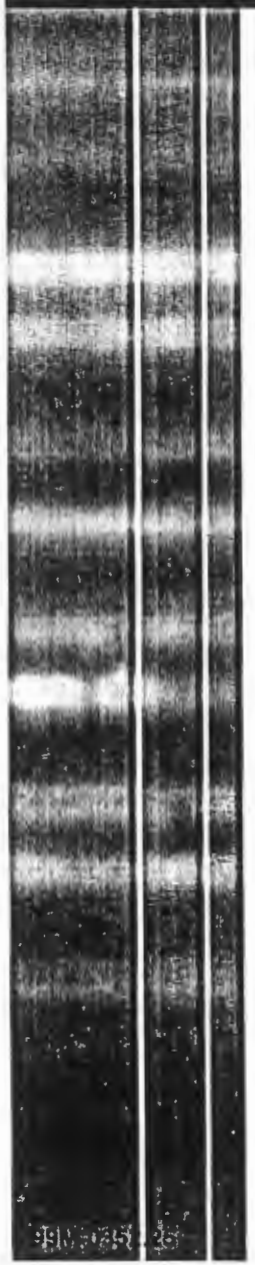
- Exclusion zone:
  - Installed 285 ft. haul road
  - Installed a 300 ft. x 400 ft. lined staging area for Case I and II soils
  - Assembled 2-20 mil reinforced polyethylene lined 155,000 gal. modular storage tanks
  - Installed 20 ft. x 50 ft. decon pad for WESTON and EODT equipment
  - Started construction of Case III soil stockpile extension (300 x 400 ft.)
- EODT has completed approximately 80% of the planned UXO screening at burn pad and berm areas A - J (approx. 22,600cy)



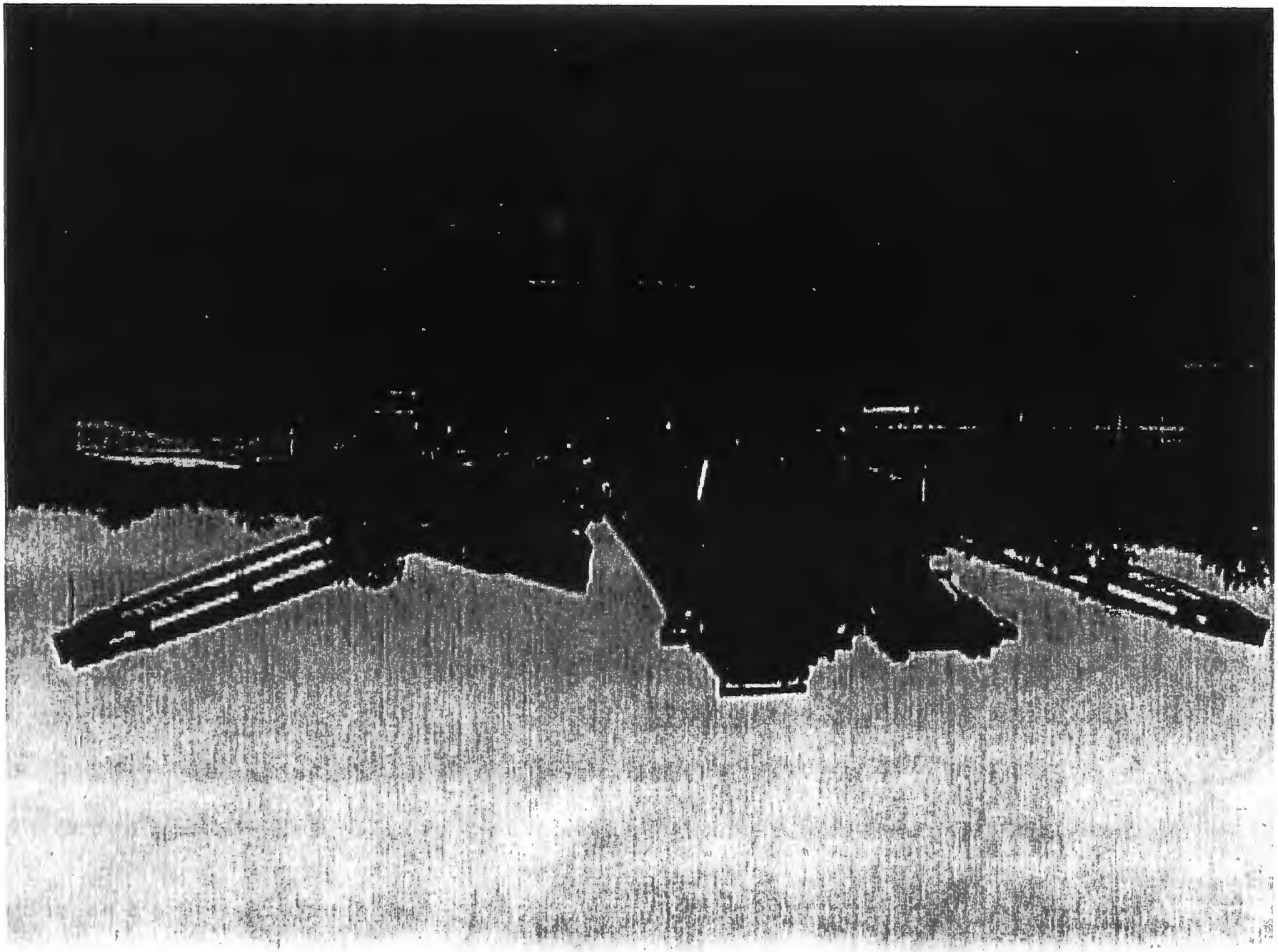




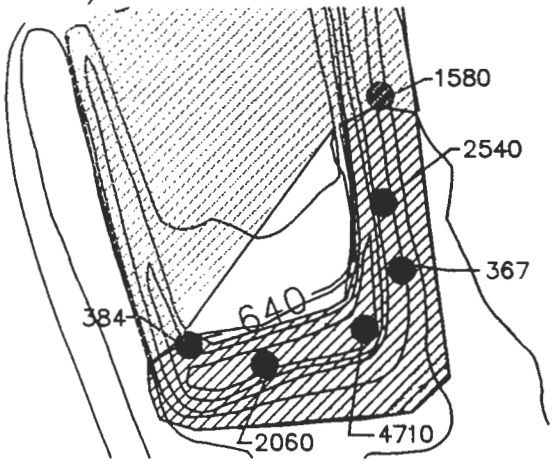
Current Status (Cont'd)



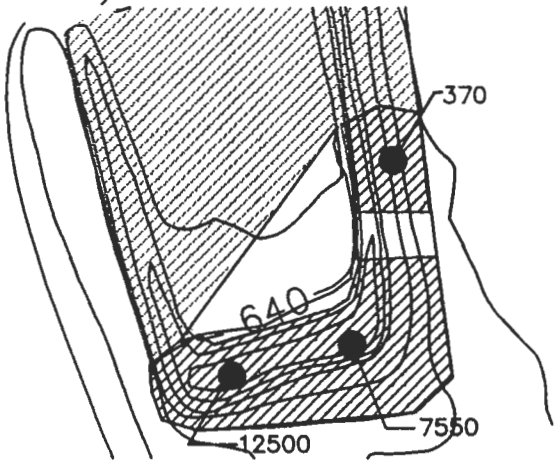
- EODT has completed Case I soil screening at burn pads A, B, and D
- A total of 275 post excavation confirmatory samples have been collected and analyzed for total lead
- Over 113 stockpile samples have been collected and analyzed for TCLP metals (8-200 cy piles failing TCLP)
- A total of 32 groundwater monitoring wells have been decommissioned
- Clearing activities were completed for Reeder Creek excavation (1-1100 ft. and 1-1050 ft. section)
- Wastewater from decontamination activities is being stored for future treatment



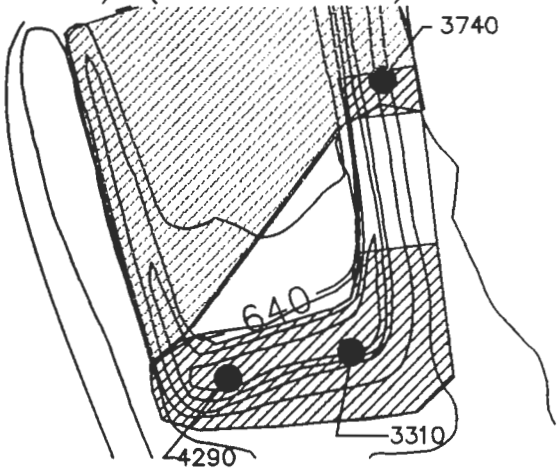
CASE I
BERM
(REMOVED)



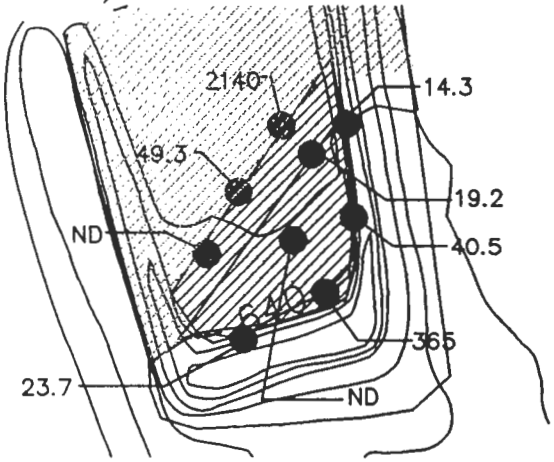
CASE I
SURFACE SOIL BENEATH BERM
(CUT 1 FT.)



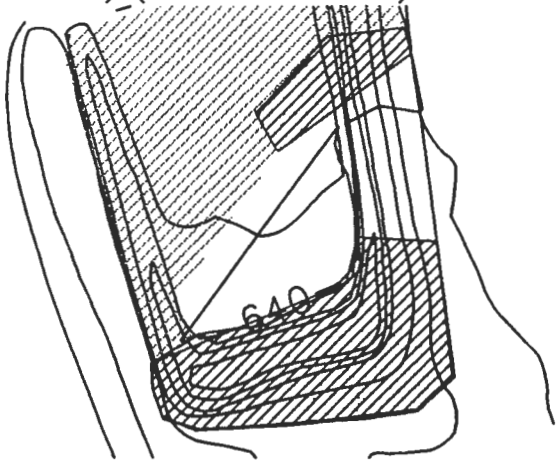
CASE I
SOIL BENEATH BERM
(CUT 1 FT.) (SIDEWALL 1 FT.)



CASE III
PAD
(CUT 4 FT.)



CASE IV (PROPOSED)
SURFACE SOIL BENEATH BERM
(CUT 2 FT.) (SIDEWALL 10 FT.)



REMEDIAL ACTION AT THE BURNING GROUNDS
SENECA ARMY DEPOT ACTIVITY (SEDA)
ROMULUS, NEW YORK

DEPARTMENT OF THE ARMY
NEW YORK DISTRICT
CORPS OF ENGINEERS
FORT DRUM, NEW YORK

PAD & BERM H

CASE I, SOIL EXCAVATION LIMITS AND CONFIRMATORY SAMPLE RESULTS

WESTON
MANAGERS DESIGNERS/CONSULTANTS
MANCHESTER NEW HAMPSHIRE

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DATE	SEP 99
FIGURE NO.	3

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Projected Activities

- EODT
  - Complete OE clearance for Case I, II, and III soils and Low Lying Hills
  - Complete excavation of Case I soil (approx. 6000 cy)
  - Excavate Case II soil (approx. 1200 cy)
  - Excavate Case III soil (approx. 12,000 cy)
  - Backfill excavations
  - Strip 1 ft. of soil site wide for OE clearance (approx. 41,500 cy)

Schedule

- Projected completion dates for target activities:
  - Case I, II, and III excavations (November 1999)
  - Reeder Creek excavation (November 1999)
  - Sitewide excavation to a proposed depth of 1 ft. for OE clearance (February 2000)
  - Installation of new groundwater monitoring wells (March 2000)
  - Site restoration (April/May 2000)

Conclusion

- The entire site will be safely screened for OE clearance
- Case I and II material will be completely removed, characterized, stockpiled, and disposed of in accordance with the Technical Specifications. Case III material will be removed and stockpiled.
- WESTON is prepared to address and implement actions as they relate to state and federal agency comments to support the current remedial effort at the Seneca Army Depot Open Burning Grounds Remediation as approved by the U.S. Army Corps of Engineers (under existing Contract No. DACW33-95-D0004)

BCT AGENDA
November 17-18, 1998
1330 – 1630 November 17, 1998
0830 – 1230 November 18, 1998
NCO CLUB

→ OB GROUNDS

- ROD STATUS

- UXO ISSUE

→ ASH LANDFILL

- TREATABILITY STUDY WORKPLAN

- WORKPLAN

  COMMENTS
  SCHEDULES

- ECO RISK – RESPONSE

  PEER REVIEW COMMENTS

→ SEAD 12

- UPDATE OF FIELDWORK

- NYSDOH COMMENTS/CONCERNS

→ SEAD 4 – MUNITION WASHOUT FACILITY

- FIELDWORK SCHEDULE

- SCOPE OF WORK

→ FEDERAL FACILITIES AGREEMENT

- SCHEDULE OF PROJECT DOUMENTS (ATTACHMENT 7)