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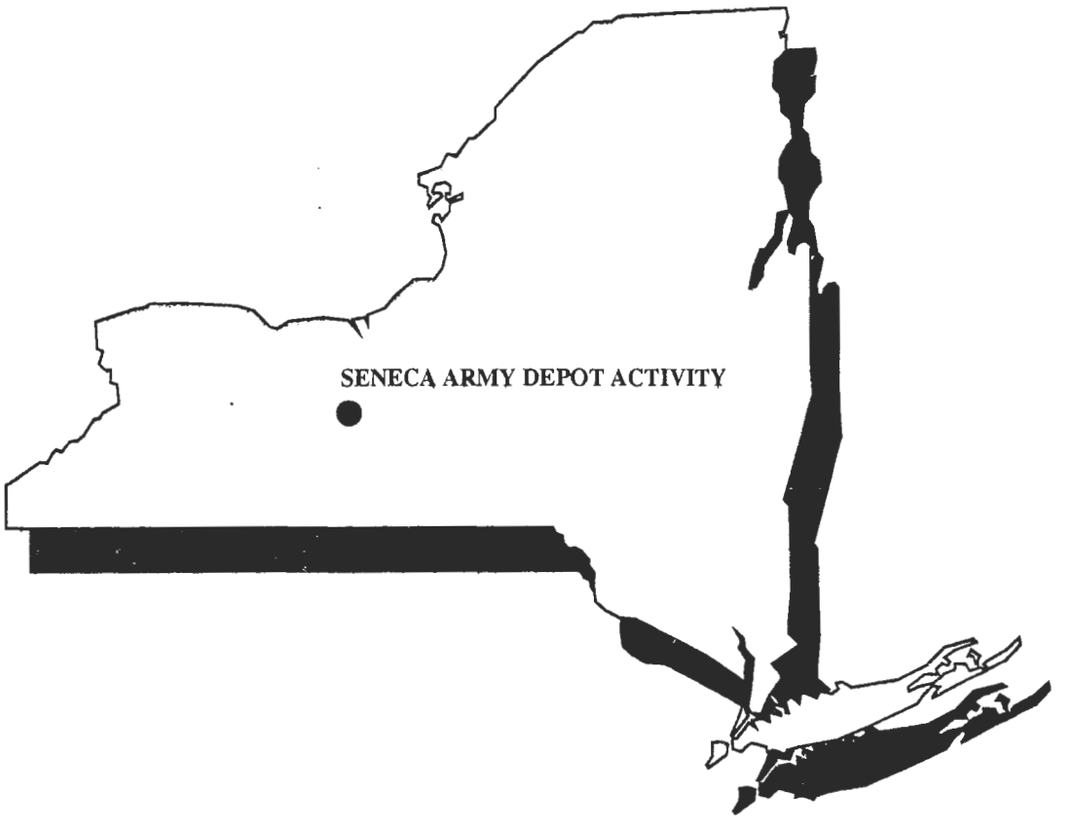

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INVESTIGATION OF ENVIRONMENTAL BASELINE SURVEY NON-EVALUATED SITES

SEAD-199A, SEAD-122(A,B,C,D,E), AND SEAD-123(A,B,C,D,E,F)

APRIL 1998

Investigation of
12 Priority
Environmental Baseline Survey
Non-Evaluated Sites
SEAD-119 (A), SEAD-122 (A,B,C,D,E), and SEAD-123 (A,B,C,D,E,F)

at

Seneca Army Depot Activity

Romulus, New York 01454

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Table of Contents

List of Tables

(Tables are included at the end of the text)

List of Figures

(Figures are included at the end of the text)

Appendices

Letter	Description
A	Soil Boring Logs
B	Test Pit Logs
C	Well Construction Diagrams
D	Geophysical Data • SEAD-123E • SEAD-123F
E	Chemical Analyses Data Qualifiers and QC Samples

1.0 INTRODUCTION

1.1 Seneca Army Depot Activity

Seneca Army Depot Activity (SEDA) is a U.S. Army facility located in Seneca County, New York. The Depot occupies approximately 10,600 acres. It is bounded on the east by Route 96 and on the west by Route 96A. Most of the surrounding land is used for farming.

Construction at SEDA began in 1941. Its mission included reception, storage, and distribution of ammunition and explosives, GSA and strategic materials and Office of Civil Defense engineering equipment. It also included providing receipt, storage and issue of items that supported special weapons activity and performance of depot-level maintenance, demilitarization and surveillance on conventional ammunition and special weapons.

1.2 BRAC and Environmental Baseline Survey

SEDA was included on the Federal Facilities National Priorities List on July 13, 1989. In March 1995, the Base Realignment and Closure Commission (BRAC) submitted its recommendation that SEAD be selected for closure. This recommendation was subsequently approved in 1996. The Base Realignment and Closure Act requires environmental issues to be investigated, pursuant to CERCLA.

An Environmental Baseline Survey Report (Woodward Clyde, 1996a) was prepared for SEDA. The EBS classified discrete areas of real property associated with the Depot, which are subject to transfer or lease, into standard environmental condition of property types. The determination that a specific property is environmentally suitable for transfer or lease is established under the FOST/FOSL guidance.

As part of continuing work after the completion of the EBS, additional sampling and analyses was necessary at selected non-evaluated sites at SEDA to determine their environmental condition. Most of the non-evaluated sites were initially identified in the EBS, however, some sites were added to the list to be evaluated because of rumor or speculation that a release(s) had occurred. The Land Reuse Authority (LRA) identified "SEAD" areas 119, 122, and 123 as priority status, based on the fact that the sites in these areas have a high suitability for transfer or lease. Thus, these three areas are presented in this report. Most of the "SEAD" area designations are actually composed of several individuals sites, which are designated by sequential letters of the alphabet (e.g., SEAD-122A, -122B, -122C, -122D, and -122E). The 12 priority Non-Evaluated EBS sites, whose locations within the Depot are shown on Figure 1-1, are listed in the Table 1-1 (on the following page).

1.3 Technical Approach for Investigation of Non-Evaluated EBS Sites

The process by which the sites within these three areas were investigated is diagrammed in the Seneca Army Depot Decision Criteria Flow Chart (Figure 1-2). This flow chart provides the overall guidance for investigating and remediating sites at SEDA. The limited sampling and analyses was designed to provide initial data so that an impact analysis could be performed. The impact analysis involved a comparison to applicable NYSDEC standard/criteria or guidance (SCG) (Soil: TAGMs; Groundwater: GA; Sediment: Benthic Aquatic Life/Human Health). If the SCGs were exceeded, then a comparison to Preliminary Remediation Goals (PRG)s was performed. The type of PRG values used was based on the intended use of the property. At

SEAD-122 sites, the "Recreational PRGs" were used. At SEAD-123 sites, the "Residential PRGs" were used. Note that no samples were collected at SEAD-119. Drinking Water (DW) PRGs were used for groundwater.

The samples were collected in source areas that were believed to have been most impacted (i.e., had the highest chemical concentrations) compared to other locations within the site. The evaluation at each site included collecting a limited amount of soil, sediment and/or groundwater data, as appropriate, to provide a basis of determining if the site has been environmentally impacted. Since many of these sites involved rumors, with no analytical data to support further evaluation, limited, but representative, data collection was deemed appropriate at these sites.

Table 1-1
Priority Non-Evaluated EBS Sites

Number	SEAD Area Designation	Description	EBS Site Number
1	SEAD 119A	Building 2409 Sewage Spill	54(6)HR(P)
2	SEAD 122A	Skeet/Trap Range	115Q-X
3	SEAD 122B	Building 2302 Small Arms Range	114Q-X
4	SEAD 122C	Near Building 2311 Conex with Unknown Contents	107(7)
5	SEAD 122D	Hot Pad Spill	56(6)PR
6	SEAD 122E	Deicing Planes	6(2)PS, 7(2)PS, 8(2)PS
7	SEAD 123A	Building 744 Indoor Firing Range	125Q-X
8	SEAD 123B	Building 716 and 717 Petroleum Releases	102(6)PS/PR(P)
9	SEAD 123C	Building 747 HM Spills	100(6)PS/PR/HS/HR
10	SEAD 123D	Area West of Building 715	113(7)
11	SEAD 123E	Rumored DDT Burial at Ice Rink	Rumor
12	SEAD 123F	Mound North of Post 3	Rumor

Possible outcomes of the limited sampling and analyses program Impact Analysis, as indicated on Figure 1-2, are as follows:

1. Concentrations of constituents of concern are below the NYSDEC SCG (e.g., TAGMs), suggesting that the site has not affected the environment. The site will be designated as a "no further action" site with no reuse restrictions.

2. Concentrations of constituents of concern were above NYSDEC SCG (e.g., TAGMs), therefore, comparisons to PRGs are necessary. If concentrations are less than PRGs, then additional sampling (possibly via an ESI) will be performed. If the concentrations exceed the PRGs, then a Hot Spot Analysis will be performed; this analysis will likely include additional sampling as well.

In addition, where the significance of the environmental impact is not definitive based strictly on the analytical data comparisons, professional judgment will be used to develop the final recommendations. Thus, in some instances slight exceedance of a TAGM does not automatically result in a recommendation for further investigation at the site.

The sections that describe the sites provide a summary of the investigation fieldwork and analytical results for each of the 12 priority Non-Evaluated EBS sites within areas SEAD-119, SEAD-122, and SEAD-123. The tables and figures are presented at the end of the text sections for clarity. Note that the analytical data tables present comparisons to both SCGs (e.g., TAGMs) and PRGs, where applicable. The results of these comparisons are presented in "bold and shade" format (i.e., the exceedences are bolded and shaded in the tables).

1.4 Field Investigation Methods

The field investigations were performed using the methods outlined in the Generic Installation Remedial Investigation/Feasibility Study Work Plan (Parsons, 1995). Specific notes regarding selected field investigation methods/procedures, which are not specifically covered in the Generic Workplan, are presented below.

The temporary wells were installed according to the permanent unconfined well installation methods outlined the Generic Workplan, except that no permanent surface completion was performed. The wells were decommissioned shortly after the groundwater sampling was performed using the "Casing Pulling" method outlined in "Groundwater Monitoring Well - Decommissioning Procedures" (NYSDEC, 1996). Immediately after installation, the wells were purged of at least one borehole volume. On the following day, ground water samples were collected after at least one well casing volume had been purged from the well.

The analytical data included in this report has not been validated, but it will be validated in the near future, and the results/recommendations updated appropriately.

2.0 SEAD-119A - Building 2409 Sewage Spill

2.1 Site Information

This parcel is associated with a lift station located by Building 2409, which is a former pump house presently used for dry storage (Figure 2-1). A raw sewage release was observed on the

east side of this building during the 1995 EBS visual inspection. The pump station receives wastes from multiple sources, potentially containing hazardous substances.

2.2 Summary of Investigation

No field sampling was performed at the site, because it was not considered necessary. Instead a review of the sewers systems specifications and sources was performed to demonstrate that there are no likely sources of hazardous substances that discharge waste into the lift (pump) station near Building 2409.

According to a General Sanitary Sewer Map of the Seneca Army Depot, there are nine buildings located along the small looping section of sanitary sewer pipe near Colonel Drive. The sanitary sewer pipe on Colonel Drive is the sole source for sewage discharge to the pump station near Building 2409 (Figure 2-1). The nine buildings include are houses, garages and a dry storage area, and there is no reason to suspect that hazardous substances were discharged from them; there was no industrial use in this area The building uses are as follows:

- Family Housing: 2401, 2403, 2404, 2406, and 2408
- Family Housing Garages (no sewer connection): S2402, S-2405, and S-2407
- Dry Storage Area (former pump house): 2409

The sewage from the residential houses is collected in 6-inch polyvinyl chloride (PVC) and bituminous non-perforated fiber pipe. Sewage waste collected at the pump station is pumped in a 1 1/2-inch PVC force main over Kendaia Creek and along East Lake Road, and eventually it discharges to the Seneca County District No. 1 Treatment Plant to the south.

Recommendation: Based on the additional information presented above, SEAD-119A should not be identified as a SWMU/PAOC and the final site classification should indicate that no further action is required and there are no reuse restrictions at this site.

3.0 SEAD-122A - Skeet/Trap Range

3.1 Site Information

This parcel is associated with a former trap/skeet range located to the east of Building 2301 at the Airfield (Figure 3-1). This area was identified in a visual inspection and interview during the 1995 EBS.

The purpose of the investigation was to determine if surface soils have been impacted by the activities at the skeet shooting range. The constituent of concern is lead in soil.

3.2 Summary of Investigation

The skeet shooting area is behind brick farm house near the entrance to the air field (Figure 3-1). The entrance to skeet range is through a 4 foot high chain-link fence. A network of narrow asphalt walkways lead to five shooting stations that face an open field. A building that was used to launch clay pigeons is located approximately 25 feet north of the shooting stations. Two 20-

foot tall buildings on either side of the shooting stations are used for launching targets. An area of clay target fragments and slightly stressed vegetation was observed approximately 200 feet downrange from the shooting stations, which indicated that this was the downrange distance where many of clay targets were hit by the shot.

A total of five surface soil samples were collected at downrange locations at the skeet/trap shooting range (Figure 3-1). The samples were collected at distances of 125 feet, 175 feet, 200 feet, 250 feet and 300 feet from the shooting stations; the 200-foot sample was in the area that contained a concentration of clay target fragments. The rationale for selecting the sample locations is provided in Table 3-1.

The results of the laboratory analyses are presented in Tables 3-2 and 3-3. These results were compared to the NYSDEC TAGM for lead (No Recreational PRG is established for lead). The results of the comparisons are given below.

Comparison to TAGM:

- All five of the samples had concentrations that exceed the NYSDEC TAGM for lead, which is 21.86 mg/Kg, however many of these concentrations only slightly exceeded the TAGM and are likely due to natural variation in the concentration in the soil. These samples had lead concentrations that were less than two times the TAGM. The highest concentration (143 mg/Kg), which was found in the 250-foot downrange sample (SS122A-4), is approximately six times greater than the TAGM.

Comparison to Recreational PRG:

- No Recreational PRG has been established for lead.

Recommendation: Based on professional judgment it is recommended that final actions for SEAD-122A, as outlined under Decision No. B in the Decision Criteria Flowchart, include: 1) a no action SMWU designation on all applicable permits and 2) that regulators be notified by AOC that the site will be designated as no further action with no reuse restrictions.

4.0 SEAD-122B - Building 2302 Small Arms Range

4.1 Site Information

This parcel is associated with a firing range located in the area to the east of Building 2302 at the Airfield. This areas was identified in a visual inspection and interview during the 1995 EBS.

The purpose of the investigation was to determine if surface soils have been impacted by the activities at the small arms firing range. The constituents of concern are metals in soil.

4.2 Investigation Summary

The site is comprised of a two adjacent small arms ranges (Range 1 and Range 2) (Figure 4-1). Range 1 has a concrete platform with 22 numbered shooting stations and a roof. A 3-sided berm, composed of dirt, encompasses the downrange area, which has rows of target mounting frames. The sides of the berm extend to the front edge of the shooting platform. Range 2 has only two

shooting stations and it is smaller than Range 1. Its downrange area is also enclosed by a 3-sided berm. The shooting lanes are enclosed by concrete piping to prevent shooting above the berm (i.e., backstop).

A total of five surface soil samples were collected at downrange locations at the small arms range (Figure 4-1). The samples were collected at locations immediately downrange and in locations that were believed to be impact points for the shots. The rationale for selecting the sample locations is provided in Table 4-1.

The results of the laboratory analyses are presented in Tables 4-2 and 4-3. These results were compared to NYSDEC TAGMs and Recreational PRGs. The results of the comparisons are given below.

Comparison to TAGMs:

- Ten metals exceeded their respective TAGMs, however, some exceedences were more significant than others. Copper and lead were the only metals that were found at concentrations that exceeded their TAGMs in all five samples. The maximum concentrations of these metals exceeded their TAGMs by 15 times and 1,962 times, respectively. Less prevalent metals included silver, arsenic and antimony, which were found to exceed their TAGMs in two to three samples. Lastly, five metals (cadmium, chromium, cyanide, magnesium, and zinc) exceeded their TAGMs in only one sample, and the exceedences were between 1.1 times and 3 times).

Comparison to Recreational PRGs:

- Only one metal exceeded its Recreational PRG. The metal was arsenic and it exceeded its PRG by 2.5 times. None of the other metals concentrations exceeded their respective Recreational PRG values.

Recommendation: Based on professional judgment, and as indicated at Decision No. D in the Decision Criteria Flowchart, it is recommend that additional surface soil sampling be performed to determine the extent of the impacts from metals (particularly copper, lead, antimony, and arsenic) at SEAD-122D, the Small Arms Range. At this time, there are an insufficient number of data points to perform a Mini Risk Assessment.

5.0 SEAD-122C - Near Building 2311 Conex with Unknown Contents

5.1 Site Information

This parcel is associated with a vented conex near Building 2311 (Figure 5-1). This conex was observed during the 1995 EBS visual inspection, however, the contents of this conex was unknown at the time and, therefore, an accurate category designation could not be determined.

5.2 Investigation Summary

No field sampling was performed at the site, because it was not considered necessary. Instead a visual site inspection of the interior of the conex was performed to determine if there are likely sources of hazardous substances within the conex.

The inspection of the interior of the six foot by ten foot conex, which is vented at the top, revealed that it contained shooting targets (e.g., human profiles and bulls eyes) for use at the Small Arms Range. It also contained 30 to 40 sheets of plywood of various sizes for making targets. No containers were observed within the conex. No evidence of oil or hazardous materials storage or spills were observed. Reading of organic vapors using an OVM were at background concentrations within the conex during the inspection.

Recommendation: Based on the additional information presented above, SEAD-122C should not be identified as a SWMU/PAOC and the final site classification should indicate that no further action is required and there are no reuse restrictions at this site.

6.0 SEAD-122D - Hot Pad Spill

6.1 Site Information

This parcel is the site of a JP-4 spill that occurred in 1990 and was revealed during an interview (Figure 6-1). The incident occurred on the "hot pad" located about 880 feet west of Building 2312. The spill involved more than 50 gallons of fuel, which ran off the pad into the grass. No records indicate that the spill was cleaned up.

The purpose of the investigation was to determine if surface soils on the perimeter of the pad have been impacted by the JP-4 fuel oil spill. The constituents of concern are volatile organics, semivolatile organics, and TPH in soil.

6.2 Investigation Summary

This area is comprised of an approximately 600-foot by 60-foot rectangular concrete pad located at the southern end of the SEDA airfield. The pad is bounded on the north, east and south by grass; an small asphalt roadway connects to the southern end of the pad. On the west side is a 400-foot by 400-foot grassy area with a central drainage area. Asphalt taxiways on the northern and southern sides of this square grassy area provide access to the refueling pad from the runway.

A total of four soil samples were collected from two soil borings at the Hot Pad Spill area (Figure 6-1). The soil borings were located in low areas on the downgradient (western) side of the concrete pad, which are likely to receive run-off if a spill occurred while a plane was being refueled on the concrete pad. The rationale for selecting the two sample locations is provided in Table 6-1.

The results of the laboratory analyses are presented in Tables 6-2 through 6-5. These results were compared to NYSDEC TAGMs and Recreational PRGs. The results of the comparisons are given below.

Comparison to TAGMs:

- None of the volatile compounds exceeded their respective TAGMs. Acetone and toluene were detected in a few of the samples but at concentrations well below their TAGMs.

- None of the semivolatile organic compounds exceeded their TAGMs. The semivolatile compounds found included mostly phthalates, which were found in all of the samples, and eight PAH compounds, which were found in only one sample (SB122D-2).

- Sample SB122D-2 also contained a TPH concentration of 108 mg/Kg, but there is no TAGM for TPH. No TPH were found in the other samples.

Comparison to Recreational PRGs:

- None of the concentrations of volatile organics, semivolatile organics, exceeded their respective Recreational PRGs.

Recommendation: Based on professional judgment, it is recommended that final actions for SEAD-122D, as outlined under Decision No. B in the Decision Criteria Flowchart, include: 1) a no action SMWU designation on all applicable permits and 2) that regulators be notified by AOC that the site will be designated as no further action with no reuse restrictions.

7.0 SEAD-122E - Deicing Planes

7.1 Site Information

This parcel is associated with the deicing of planes at three separate aircraft refueling areas in the airfield (Figure 7-1). Two of the refueling areas area located near the ends (west side) of the northwest- southeast runway (the are both labeled "aircraft refueling"), and the third is located at the end of a short taxi way west of the central portion of the runway (it is labeled "aircraft parking and refueling").

The purpose of the investigation was to determine if soils or groundwater on the perimeter of the three pads have been impacted by the deicing fluids used on the planes. The constituents of concern are semivolatile organics and principal components of deicing fluids (alcohols/glycols, i.e., ethylene glycol, propylene glycol, total unknown alkanes) in soil and groundwater.

7.2 Investigation Summary

This area is comprised of a three separate aircraft refueling/deicing areas. The areas are located along the length of the airfield. For ease of reference, these asphalt aircraft refueling platforms will be referred to as North, South, and Central, based on their relative position in the airfield (Figure 7-1).

Two soil samples were collected from a soil boring performed at the edge of each of the three aircraft/deicing areas (Figure 7-1). Each soil boring was located in the lowest area on the edge of the asphalt pad, which was likely to have received run-off during the aircraft deicing activities. The rationale for selecting the boring locations is provided in Table 7-1. Also, a temporary monitoring well was installed in each of the three borings so that a groundwater sample could be collected.

The results of the laboratory analyses are presented in Tables 7-2 through 7-5. These results were compared to NYSDEC TAGMs and Recreational PRGs. The results of the comparisons are given below.

Comparison to TAGMs and GA Standards:

- Seven semivolatile organic compounds exceeded their respective TAGMs in soil. These semivolatile compounds included mostly PAHs and one phthalate compound. Most of these exceedences occurred in the surface soil samples at the south area (SB122E-1) and the central area (SB122E-2), however, at the latter area, the number and magnitude of the exceedences in the surface soil sample were greater for all compounds. The greatest magnitude of TAGM exceedences were for benzo(a)pyrene (138 times) and dibenz(a,h)anthracene (136 times), which were at the central area. Only one semivolatile organic compound exceeded its TAGM at the north area (SB122E-3), but the exceedences in the two samples were only 1.1 and 1.6 times the TAGM.

- No propylene glycol or ethylene glycol was detected in the soil samples collected at this site. In soil, the estimated total concentration of unknown alkanes (≈TPH) was greatest in the surface soil sample (SB122E-2) from the central area. There is no TAGM for total alkanes in soil.

- There were five semivolatile organic compounds detected in groundwater and they were found predominantly in the central area (MW122E-2); the other two areas contained only an estimated concentration of one phthalate compound. All of the their concentrations, however, were below established NYSDEC GA groundwater standards.

- No propylene glycol or ethylene glycol was detected in the groundwater samples collected at this site. In groundwater, the estimated total concentration of unknown alkanes (≈TPH) was greatest in MW122E-3, which is at the north area. There is no NYSDEC GA groundwater standard for total alkanes in groundwater.

Comparison to Recreational PRGs and Drinking Water PRGs:

- In soil, none of the concentrations of semivolatile organics or glycols exceeded established Recreational PRGs.

- In groundwater, one semivolatile organic compounds (hexachlorobutadiene) was found at an estimated concentration that was 2.2 times the Drinking Water PRG.

Recommendation: As indicated at Decision No. D in the Decision Criteria Flowchart, it is - recommend that additional surface soil sampling to determine the extent of the impacts from semivolatile organic compounds (particularly PAHs) at the south and central pad areas at SEAD-122E. No further investigation of the north area is recommended. At this time, there are an insufficient number of data points to perform a Mini Risk Assessment at this site.

8.0 SEAD-123A - Indoor Firing Range

8.1 Site Information

This parcel is associated with Building 744 (Figure 8-1). Building 744 was a physical activities center or health club facility. Interviews conducted during the 1995 EBS revealed that a shooting range existed in the basement of the facility. These interviews also reported that the shooting range was dismantled, but no records could be found documenting the cleaning process.

8.2 Investigation Summary

No field sampling was performed at the site, because it was not considered necessary. Instead the results of an inspection and field screening program will be used to demonstrate the environmental condition of the Indoor Firing Range at Building 744.

The Firing Range at Building 744 was decommissioned in 1992, when the military ceased using the north area of the Depot for army residences and as an administration area. After the firing range was decommissioned, a visual inspection and an XRF survey for lead impacts was performed by SEDA environmental staff. The XRF detector used was a model MAP 3 spectrum analyzer manufactured by Scitec Corporation. The results of the inspection and survey described below were provide by the SEDA environmental staff. The visual inspection was conducted starting at the bullet backstop and working back to the firing line area. The air duct for both the bullet trap area and the shooting line area were inspected. No visual evidence of lead was observed. The area behind the bullet trap was inspected. In this location, small amount of bullet fragments were observed. Also, bullet fragments were observed on the metal backstop.

The XRF survey consisted of field screening of many areas and surfaces within the decommissioned range. The surfaces/areas that were screened with the XRF detector were as follows: the bullet backstop, front surfaces and backside or underneath, wall, floor and ceiling of area directly adjacent to backstop, walls, floor and ceiling at random distances from backstop to the firing line area, the duct work exiting from the backstop and the duct work exiting from the firing line area. All results showed low or no lead with the exception of the area behind the backstop where there was visual evidence of bullet fragments. These screening results from this area (i.e., the bullet fragments) showed levels of lead between 19,304 ppm and 34,646 ppm.

Recommendation: Based on the additional information presented above, the small area of bullet fragments behind the backstop (which was visible in the inspection) should be removed. Following the removal, the area behind the backstop should be resurveyed with the XRF detector to ensure that the lead has been removed. Upon completing this action, SEAD-123A should not be identified as a SWMU/PAOC and the final site classification should indicate that no further action is required and there are no reuse restrictions at this site.

9.0 SEAD-123B - Building 716 and 717 Petroleum Releases

9.1 Site Information

This parcel is associated with Buildings 716 and 717 (Figure 9-1). Specifically, this is a 40,600-gallon fuel oil above ground storage tank (SRN 188) that has been in service since 1956 and an associated fueling area. There has been no record of leaking or spilling of petroleum product at this location. However, based on a 1995 EBS visual inspection, the area directly around the fueling station exhibited staining. Also, during this inspection, water was observed to be flowing over the above ground storage tank containment berm into an adjacent drainage ditch. This particular tank has been out of service and empty since 1989. The berm drain has been kept open since that time. A visual inspection conducted by the Seneca army Depot Activity Environmental Department staff on April 24, 1996 revealed only small puddles of water inside of the berm.

The purpose of the investigation was to determine if soil in the immediate vicinity of the fueling station, and sediment in the nearby drainage ditch, have been impacted by petroleum products. The constituents of concern are volatile organics, semivolatile organics and TPH in soil and sediment.

9.2 Investigation Summary

The site is comprised of an approximately 240-foot by 140-foot rectangular area that is enclosed by a chain-link fence (Figure 9-1). In the east-central portion of this area there is an inactive 40,600-gallon above ground storage tank (Tank 188) within a containment berm. An outfall pipe leads from a drain in the floor of the bermed area around the tank to a drainage ditch, which is adjacent to the southern perimeter fence. The ditch directs flow to the west. There is also a centrally located shed and fuel off-loading/filling area, which is accessible by a gate on the west side of the site. An overhead transfer pipe extends from Tank 188, past the shed, and it ends at the edge of the asphalt immediately west of the shed.

The field program included three soil borings from which two soil samples were collected from each boring, three surface soil samples, and two sediment samples (Figure 9-1). The soil borings and surface soil samples were collected from within the fenced area around the above ground tank. The sediment samples were collected in two locations, one at the outfall pipe from Tank 188 and one immediately downgradient from this area. The rationale for these sample locations is provided in Table 9-1.

The results of the laboratory analyses are presented in Tables 9-2 through 9-5. These results were compared to NYSDEC TAGMs and Residential PRGs. The results of the comparisons are given below.

Comparison to TAGMs:

- No volatile organic compounds were exceeded their respective TAGMs in surface and subsurface soil samples.

- No semivolatile organic compounds exceeded their respective TAGMs in surface or subsurface soil. The semivolatile compounds detected were mostly PAHs with some phthalate compounds.

- TPH were found in five out of the six surface soil samples, but not in the subsurface soil samples. The maximum TPH concentration was in surface soil sample SS123B-1 (2,880 mg/Kg). The next highest concentration was 179 mg/Kg in the surface soil samples SB123B-1. The other three TPH concentrations were less than 100 mg/Kg. There is no TAGM for TPH.

- No volatile organic compounds in the samples exceeded established New York State sediment criteria. One volatile organic compound (acetone) was found in both of the sediment samples. The detected concentrations were near the method detection limit.

- No semivolatile organic compounds exceeded established New York State sediment criteria. Semivolatile organic compounds were found in both sediment samples, although the numbers of compounds and their concentrations were higher in the sample beneath the outfall pipe

(SD123B-1) than in the downstream sample (SD123B-2). The compounds detected were mostly PAHs, with a few phthalates.

- No TPH were found in either of the two sediment samples collected in the drainage ditch.

Comparison to Residential PRGs:

- None of the concentrations of volatile organics or semivolatile organics exceeded their respective PRGs in the soil samples.

Recommendation: Based on professional judgment, it is recommended that final actions for SEAD-123B, as outlined under Decision No. B in the Decision Criteria Flowchart, include: 1) a no action SMWU designation on all applicable permits and 2) that regulators be notified by AOC that the site will be designated as no further action with no reuse restrictions.

10.0 SEAD-123C - Building 747 HM Spill

10.1 Site Information

This parcel is associated with Building 747 (Figure 10-1). A visual inspection was attempted at this building; however, access to the building and the surrounding areas was denied. The tank list shows that there is a 4,000 gallon fuel oil underground storage tank (SRN 44) associated with this building that has been in service since 1982. No release has been documented for this tank. An interview conducted during the mid-EBS meeting in January 1996 revealed that this building was been used for storage of battery acids and paints and that releases of petroleum product and solvents have occurred.

No sampling was performed at this site during the field program. The site was addressed in a Underground Storage Tank Closure Report prepared for Seneca Army Depot by Environmental Products and Services (1998). The pertinent findings of this report are described below.

10.2 Investigation Summary

The 4,000-gallon fiberglass underground fuel oil storage tank near Building 747 was removed as part of the closure of seven other tanks at SEDA. During the closure, six soil samples were collected from the floor and walls of the tank pit excavation. Analytical results of these soil samples showed that no volatile organics or semivolatile organics were detected in the samples.

Analytical results of a ground water sample collected from a monitoring well installed in the center of the excavation pit showed that 12 target analytes were detected. Five of these compounds were found at concentrations above guidance values set forth in NYSDEC STARS Memo #1. These five compounds, and their concentrations, are as follows: n-butylbenzene (9.3 ppb , naphthalene (43.0 ppb and 21 ppb), 1,2,4-trimethylbenzene (34.3 ppb), 1,3,5-trimethylbenzene (11.0 ppb), and total xylenes (14.5 ppb). Also, the concentrations of three of these compounds (total xylenes, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene) are above their respective NYSDEC GA standards of 5 ppb.

According to a February 11, 1998 letter from NYSDEC, the status of the site (Spill No. 9712298 - Building 747) is that "groundwater contamination above STARS criteria" exists at the site.

Furthermore, NYSDEC's status letter "requests that the tank pit well be resampled in May 1998 and ground water analyzed using Method 8021." They note that "further work, if any, will be determined upon receipt of the analytical results."

Recommendation: As indicated at Decision No. D in the Decision Criteria Flowchart, it is recommend that an additional groundwater sample be collected from the tank pit well at SEAD-123C and analyzed using methods specified by NYSDEC. The results should be submitted to NYSDEC and, after they have reviewed the results, a request of the status of the site should be made by SEDA.

11.0 SEAD-123D - Area West of Building 715

11.1 Site Information

This parcel is associated with open land north of Building 715 (Figure 11-1). A visual inspection of this area during the 1995 EBS revealed several suspected mounding areas and a rusty drum protruding from a mound of soil. No evidence of soil staining or groundwater contamination could be determined from the visual inspection. During the 1995 EBS, interviewees were asked if they had any knowledge of this area, but no one had any information.

The purpose of the investigation was to determine if the soils in the mounds or debris areas have been impacted by oil or hazardous materials. The constituents of concern are volatile organics, semivolatile organics, TPH, metals, and pesticides/PCBs in soil.

11.2 Investigation Summary

The site is comprised of a 4.6-acre triangular shaped area that is mostly wooded (Figure 11-1). Six locations within the area showed signs of disturbance. The disturbed areas consisted of either low mounds of dirt and/or surface debris consisting of construction material or rusted drum fragments.

A detailed visual inspection of the area west of Building 715 was performed and all of the mounds within this area were identified. Five areas/mounds that were considered most likely to have been impacted based on visual inspection were identified in the area. Five test pits were excavated, one at each of the five areas/mounds, and two soil samples were collected from each pit (Figure 11-1). The rationale for the test pit sample locations is provided in Table 11-1.

The results of the laboratory analyses are presented in Tables 11-2 through 11-9. These results were compared to NYSDEC TAGMs and Residential PRGs. The results of the comparisons are given below.

Comparison to TAGMs:

- Two volatile organic compounds (acetone and methyl ethyl ketone) were found in the soils at the site. Acetone was found in six of the samples at concentrations below the TAGM (between 10 µg/Kg and 17 µg/Kg), however, in one sample it was found at 660 µg/Kg, which is 3.3 times the TAGM. Methyl ethyl ketone was found in only one sample at a concentration below the TAGM. It is likely that these compounds are laboratory artifacts and are not believed to be indicative of the true soil chemistry at SEAD-123D.

- No semivolatile organic compounds were found at concentrations that were above their respective TAGM values. The semivolatile organic compounds were mostly PAHs with a few phthalate compounds.

- TPH were found in soil samples at three of the five test pits excavated. At TP123D-2 and TP123D-3 TPH concentrations were between 22.1 mg/Kg and 39.4 mg/Kg only in near surface (0.5 foot depth) soil samples. At TP124D-4, the TPH concentrations of 115 mg/Kg and 221 mg/Kg were found in samples collected from 0.5-foot and 1.0-foot depths, respectively. There is no TAGM for TPH.

- Eight metals were found in the soil samples at concentrations that were slightly above their respective TAGM values, however, these exceedences were only 1.1 to 1.8 times greater than the TAGMs for these metals. The relatively low magnitude of the exceedences suggests that they are likely to result because of natural variability in the metals concentrations in the soil, and not from impacts from on-site activities. Specifically, the metals that exceeded the TAGMs, and the magnitude of their exceedences (shown in parentheses), are as follows: aluminum (1.03 - 1.1 times); chromium (1.02 times); copper (1.1 times); iron (1.2 times); lead (1.1 - 1.4 times); manganese (1.1 - 1.8 times); mercury (1.3 times); and zinc (1.1 - 1.5 times).

- No pesticides or PCBs were found at concentrations that exceeded TAGM values. The two pesticides that were found (4,4-DDE and 4,4-DDT) were detected at concentrations well below their respective TAGM values (two of the detections were estimated, because they were below the contract required detection limit).

Comparison to Residential PRGs:

- None of the concentrations of volatile organics, semivolatile organics, metals, or pesticides/PCBs exceeded established PRGs in the soil samples.

Recommendation: Based on professional judgment it is recommended that final actions for SEAD-123D, as outlined under Decision No. B in the Decision Criteria Flowchart, include: 1) a no action SMWU designation on all applicable permits and 2) that regulators be notified by AOC that the site will be designated as no further action with no reuse restrictions.

12.0 SEAD-123E - Rumored DDT Burial at Ice Rink

12.1 Site Information

This parcel is associated with an area that was rumored to have been used for the burial of empty DDT cans.

The purpose of this investigation was to perform an EM 31 Survey within the area. Upon completion of the survey, the data was reduced and likely EM anomalies (i.e.,. targets) identified.

12.2 Investigation Summary

The site is comprised of an approximately 300-foot by 200-foot area that contains an rectangular depression in the ground surface that is used seasonally for an ice skating rink; the rink is surrounded by grassy areas (Figure 12-1). A fenced water tower is on the west side of the area and fenced tennis courts exist on the east side.

An EM-31 survey was performed over a 300-foot by 240-foot area that encompassed the former ice rink. The EM-31 survey was performed by collecting EM measurements every one second along parallel, north-south oriented survey lines. These lines were spaced 20 feet apart. The local grid system that was used to reference the EM-31 survey was itself referenced to local anthropogenic features (such as corners in fences, building corners, etc.). Once the EM-31 data were collected, they were corrected for instrument drift using instrument function check data that were collected before and after the survey. Finally, the data were reduced to produce pseudo-color maps of the measured EM responses. These maps are presented in Figure 12-2 and Figure 12-3. Figure 12-2 shows the measured apparent ground conductivity and Figure 12-3 shows the in-phase response. In each figure, the range of measured values has been mapped to an arbitrary color scale, which was chosen to highlight the anomalous features observed in the EM data.

A prominent EM anomaly is visible in both the apparent ground conductivity data and in the in-phase response data in the south central portion of the surveyed area, immediately south of the former ice rink. This area is presumably associated with the suspected buried DDT drums. Although this location is not below the former ice rink, the lack of an EM anomaly beneath the rink and the size and amplitude of the EM anomaly immediately south of the rink indicate that the suspected burial location is indeed south of the rink and that no burial occurred beneath the rink itself. Two additional EM anomalies are prevalent along the western and eastern boundaries of the surveyed area, and both are associated with chain-link fencing.

Recommendation: Based on the results of the geophysical survey, it is recommended that the geophysical anomaly south of the ice skating area at SEAD-123E be investigated, and the environmental impact from the anomaly be determined. This is in accordance with the actions defined by Decision No. D in the Decision Criteria Flowchart.

13.0 SEAD-123F - Mound North of Post 3

13.1 Site Information

This parcel is associated with a reported mound in an area north of the Post 3, in the Administration area (Figure 13-1).

The purpose of the investigation was to determine if soil in a mound north of Post 3 has been impacted by oil or hazardous materials. The constituents of concern are volatile organics, semivolatile organics, TPH, metals, and pesticides/PCBs in soil. An EM-31 geophysical survey was also performed.

13.2 Investigation Summary

The site consists of a gradually sloping mound that is approximately 200-feet long, 100 feet wide and 4.5 feet high (Figure 13-1). The mound is located in the northwest corner of a grassy field adjacent to the parking lot at Building 750. both the mound and the field are regularly mowed by SEDA maintenance staff.

A detailed visual inspection of the area north of Post 3 was performed and the mound was identified. A test pit was excavated and two soil samples were collected from the pit (Figure 13-1). The test pit was excavated at the north end of the mound where there were signs of past excavating activities and stressed vegetation. The rationale for the sample locations is provided in Table 13-1. In addition, a geophysical survey was performed at TP123F-1 to determine if there were any anomalies in the mound.

An EM-31 survey was performed over a 400-foot by 200-foot area that encompassed the soil mound near Post 3. The EM-31 survey was performed by collecting EM measurements every one second along parallel, north-south oriented survey lines. These lines were spaced 20 feet apart. The local grid system that was used to reference the EM-31 survey was itself referenced to local anthropogenic features (such as corners in fences, building corners, etc.) and to the staked boundaries of test pit TP123-F, which was excavated into the soil mound. Once the EM-31 data were collected, they were corrected for instrument drift using instrument function check data that were collected before and after the survey. Finally, the data were reduced to produce pseudo-color maps of the measured EM responses. These maps are presented in Figure 13-2 and Figure 13-3. Figure 13-2 shows the measured apparent ground conductivity and Figure 13-3 shows the in-phase response. In each figure, the range of measured values has been mapped to an arbitrary color scale, which was chosen to highlight the anomalous features observed in the EM data.

No EM anomalies were observed that could be associated with buried metallic objects. A large amplitude anomaly is visible in both the apparent ground conductivity and the in-phase response data along the western boundary of the surveyed area, and is associated with a chain link fence. Intermittent medium amplitude anomalies are also observed along the northern boundary of the surveyed area, and these too are associated with chain link fencing. A low amplitude apparent ground conductivity is visible over the area of the soil mound, but is a product of the EM-31 instrument being slightly higher above the local terrain while it was carried over this portion of the survey area. Since the EM-31's apparent ground conductivity response is proportional to the instrument's elevation above the local terrain, an increase in the instruments height above the local terrain will result in a slightly reduced apparent ground conductivity measurement. (The EM-31 instrument is factory calibrated to measure apparent ground conductivity in a homogeneous space one meter below the instrument; by increasing the amount of open space below the instrument decreases the absolute conductivity of the space below the instrument that is being surveyed.)

The results of the laboratory analyses are presented in Tables 13-2 through 13-9. These results were compared to NYSDEC TAGMs and Residential PRGs. The results of the comparisons are given below.

Comparison to TAGMs:

- No volatile organic compounds were found at concentrations that exceeded their respective TAGMs. Only one compound (acetone) was found in one sample; it was found at an estimated concentration below the CRDL.

- No semivolatile organic compounds were found at concentrations that exceeded their respective TAGMs. The semivolatiles were mostly PAHs, although one phthalate compound was found. All of the compounds found were detected at estimated concentrations.

- No TPH were detected in the soil samples.

- Four metals were found at concentrations that exceeded their respective TAGMs, however, these exceedences were only 1.1 to 1.3 times greater than the TAGMs for these metals. The relatively low magnitude of the exceedences suggests that they are likely to result because of natural variability in the metals concentrations in the soil, and not from impacts from on-site activities. Specifically, the metals that exceeded the TAGMs, and the magnitude of their exceedences (shown in parentheses), are as follows: copper (1.1 times); magnesium (1.1 times); manganese (1.3 times); and nickel (1.1 times).

- No pesticides or PCBs were detected in any of the soil samples.

Comparison to Residential PRGs:

- None of the concentrations of volatile organics, semivolatile organics, or pesticides/PCBs exceeded established Residential PRGs in the soil samples. Only two metals (arsenic and beryllium) exceeded their respective Residential PRGs. The exceedences were 8.6 times and 11.4 times for arsenic and 2.1 times and 1.7 times for beryllium.

Recommendation: Based on professional judgment it is recommended that final actions for SEAD-123F, as outlined under Decision No. B in the Decision Criteria Flowchart, include: 1) a no action SMWU designation on all applicable permits and 2) that regulators be notified by AOC that the site will be designated as no further action with no reuse restrictions.

References

Environmental Products & Services, January 1998, Underground Storage Tank Closure Report.

NYSDEC, 1996, Groundwater Monitoring Well Decommissioning Procedures, Division of Environmental Remediation (May 1995, revised October 1996).

NYSDEC February 11, 1998 letter to Seneca Army Depot regarding Spill No. 9709544 - Building 732, Spill No. 9712296 - Building 816, Spill No. 9712297 - Building 812, and Spill No. 9712298 - Building 747.

Parsons ES, 1995, Generic Installation Remedial Investigation/Feasibility Study (RI/FS) Workplan for Seneca Army Depot Activity.

Woodward Clyde Federal Services, 1996a, U.S. Army Base Realignment and Closure Program, Environmental Baseline Survey Report, Seneca Army Depot Activity, New York, Draft Final.

Woodward Clyde Federal Services, 1996b, U.S. Army Base Realignment and Closure Program, Sampling and Analysis Recommendations, Seneca Army Depot, New York

SEAD-122A

Skeet/Trap Range

Table 3-1

Sample Collection Information
SEAD-122A - Skeet/Trap Range

12 Priority EBS Non-Evaluated Sites
Seneca Army Depot Activity

MATRIX	LOCATION ID	SAMPLE ID	SAMPLE DATE	TOP (feet)	BOTTOM (feet)	QC CODE	RATIONALE FOR SAMPLE LOCATION
SURFACE SOIL	SS122A-1	EB130	3/8/98	0.0	0.2	SA	Immediate downrange location at 125 ft. If short range target was launched it would be left of center to avoid hitting target launch site.
SURFACE SOIL	SS122A-2	EB131	3/8/98	0.0	0.2	SA	Moderate downrange location at 175 ft. Likely location for lead pellet shot at low flying targets.
SURFACE SOIL	SS122A-3	EB132	3/8/98	0.0	0.2	SA	Location downrange at 200 ft. It was chosen due to presence of clay target fragments and slightly stressed vegetation.
SURFACE SOIL	SS122A-4	EB133	3/8/98	0.0	0.2	SA	Location is 250 ft downrange and is likely lead pellet landing area.
SURFACE SOIL	SS122A-5	EB134	3/8/98	0.0	0.2	SA	Location is 300 ft downrange and is likely lead pellet landing area.

Notes:
SA = Sample

Table 3-2
122A - Lead in Soil vs TAGMS
Non-Evaluated EBS Sites

SITE:				SEAD-122A		SEAD-122A		SEAD-122A		SEAD-122A		SEAD-122A	
LOC ID:				SS122A-1		SS122A-2		SS122A-3		SS122A-4		SS122A-5	
DESCRIPTION:				Skeet/Trap Range		Skeet/Trap Range		Skeet/Trap Range		Skeet/Trap Range		Skeet/Trap Range	
SAMP ID:				EB130		EB131		EB132		EB133		EB134	
QC CODE:				SA		SA		SA		SA		SA	
SAMP. DETH TOP:				0		0		0		0		0	
SAMP. DEPTH BOT:				0.2		0.2		0.2		0.2		0.2	
MATRIX:				SOIL		SOIL		SOIL		SOIL		SOIL	
SAMP. DATE:				8-Mar-98		8-Mar-98		8-Mar-98		8-Mar-98		8-Mar-98	
PARAMETER	UNIT	TAGM	PRG_REC	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q
Aluminum	MG/KG	14592.84	1053000										
Antimony	MG/KG	3.59	421										
Arsenic	MG/KG	7.5	46										
Barium	MG/KG	300	73702										
Beryllium	MG/KG	0.73	16										
Cadmium	MG/KG	1	526										
Calcium	MG/KG	101903.8											
Chromium	MG/KG	22.13	1052885										
Cobalt	MG/KG	30	63173										
Copper	MG/KG	25	42115										
Cyanide	MG/KG	0.3											
Iron	MG/KG	26626.65	315865										
Lead	MG/KG	21.86		37.7	*	24.2	*	22.7	*	134	*	41.2	*
Magnesium	MG/KG	12221.77											
Manganese	MG/KG	669.38	24216										
Mercury	MG/KG	0.1	316										
Nickel	MG/KG	33.62	21058										
Potassium	MG/KG	1761.48											
Selenium	MG/KG	2	5264										
Silver	MG/KG	0.4	5264										
Sodium	MG/KG	103.74											
Thallium	MG/KG	0.28	84										
Vanadium	MG/KG	150	7370										
Zinc	MG/KG	82.5	315865										

Table 3-3
122A - Lead in Soil vs PRG-RECs
Non-Evaluated EBS Sites

SITE:				SEAD-122A		SEAD-122A		SEAD-122A		SEAD-122A		SEAD-122A			
LOC ID:				SS122A-1		SS122A-2		SS122A-3		SS122A-4		SS122A-5			
DESCRIPTION:				Skeet/Trap		Skeet/Trap		Skeet/Trap		Skeet/Trap		Skeet/Trap			
				Range		Range		Range		Range		Range			
SAMP ID:				EB130		EB131		EB132		EB133		EB134			
QC CODE:				SA		SA		SA		SA		SA			
SAMP. DETH TOP:				0		0		0		0		0			
SAMP. DEPTH BOT:				0.2		0.2		0.2		0.2		0.2			
MATRIX:				SOIL		SOIL		SOIL		SOIL		SOIL			
SAMP. DATE				8-Mar-98		8-Mar-98		8-Mar-98		8-Mar-98		8-Mar-98			
PARAMETER	UNIT	TAGM	PRG_REC	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q		
Aluminum	MG/KG	14592.84	1053000												
Antimony	MG/KG	3.59	421												
Arsenic	MG/KG	7.5	46												
Barium	MG/KG	300	73702												
Beryllium	MG/KG	0.73	16												
Cadmium	MG/KG	1	526												
Calcium	MG/KG	101903.8													
Chromium	MG/KG	22.13	1052885												
Cobalt	MG/KG	30	63173												
Copper	MG/KG	25	42115												
Cyanide	MG/KG	0.3													
Iron	MG/KG	26626.65	315865												
Lead	MG/KG	21.86		37.7	*	24.2	*	22.7	*	134	*	41.2	*		
Magnesium	MG/KG	12221.77													
Manganese	MG/KG	669.38	24216												
Mercury	MG/KG	0.1	316												
Nickel	MG/KG	33.62	21058												
Potassium	MG/KG	1761.48													
Selenium	MG/KG	2	5264												
Silver	MG/KG	0.4	5264												
Sodium	MG/KG	103.74													
Thallium	MG/KG	0.28	84												
Vanadium	MG/KG	150	7370												
Zinc	MG/KG	82.5	315865												

SEAD-122B

Building 2302 Small Arms Range

Table 4-1

Sample Collection Information
SEAD-122B - Building 2302 Small Arms Range

12 Priority EBS Non-Evaluated Sites
Seneca Army Depot Activity

MATRIX	LOCATION ID	SAMPLE ID	SAMPLE DATE	TOP (feet)	BOTTOM (feet)	QC CODE	RATIONALE FOR SAMPLE LOCATION
SURFACE SOIL	SS122B-1	EB125	3/8/98	0.0	0.2	SA	Range 1:Immediate downrange location two feet in front concrete pad at shooting lane #10. This is a likely location for firearm discharge
SURFACE SOIL	SS122B-2	EB126	3/9/98	0.0	0.2	SA	Range 1 : Downrange berm location 187 feet in front of shooting concrete pad at lane #4. This is an impact point for bullets.
SURFACE SOIL	SS122B-3	EB127	3/8/98	0.0	0.2	SA	Range 1 : Downrange berm location 187 feet in front of shooting concrete pad at lane #12. This is an impact point for bullets.
SURFACE SOIL	SS122B-4	EB128	3/8/98	0.0	0.2	SA	Range 2 : Downrange berm location at left shooting lane. Impact area for bullets.
SURFACE SOIL	SS122B-5	EB129	3/8/98	0.0	0.2	SA	Range 2 : Downrange berm location at right shooting lane. Impact area for bullets.
SURFACE SOIL	SS122B-2	EB015	3/9/98	0.0	0.2	DU	Not Applicable
WATER	SS122B-1	EB018	3/9/98	0.0	0.0	RB	Not Applicable

Notes:
SA = Sample
DU = Duplicate
RB = Rinse Blank

Table 4-2
122B - Metals in Soil vs TAGMs
Non-Evaluated EBS Sites

SITE:				SEAD-122B	SEAD-122B	SEAD-122B	SEAD-122B	SEAD-122B	SEAD-122B
LOC ID:				SS122B-1	SS122B-2	SS122B-3	SS122B-4	SS122B-5	SS122B-2
DESCRIPTION:				Bldg. 2302 Small Arms Range	Bldg. 2302 Small Arms Range	Bldg. 2302 Small Arms Range	Bldg. 2302 Small Arms Range	Bldg. 2302 Small Arms Range	Bldg. 2302 Small Arms Range
SAMP ID:				EB125	EB126	EB127	EB128	EB129	EB015
QC CODE.				SA	SA	SA	SA	SA	DU
SAMP. DETH TOP:				0	0	0	0	0	0
SAMP. DEPTH BOT:				0.2	0.2	0.2	0.2	0.2	0.2
MATRIX:				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
SAMP. DATE:				8-Mar-98	9-Mar-98	8-Mar-98	8-Mar-98	8-Mar-98	9-Mar-98
PARAMETER	UNIT	TAGM	PRG_REC	VALUE Q	VALUE Q	VALUE Q	VALUE Q	VALUE Q	VALUE Q
Aluminum	MG/KG	14592.8	1053000	6910	4550	4270	2660	4320	4720
Antimony	MG/KG	3.59	421	3.2 B*	[redacted] *	[redacted] *	3.5 B*	[redacted] B*	[redacted] *
Arsenic	MG/KG	7.5	46	3.6 N*	[redacted] N*	[redacted] N*	2.3 N*	3.6 N*	[redacted] N*
Barium	MG/KG	300	73702	107	25 B	25.5 B	13.8 B	25.9 B	25.2 B
Beryllium	MG/KG	0.73	16	0.2 B	0.11 B	0.09 B	0.04 B	0.06 B	0.12 B
Cadmium	MG/KG	1	526	[redacted]	0.06 U	0.07 U	0.06 U	0.07 U	0.18 B
Calcium	MG/KG	101904		54800	31100	37000	26000	22400	34600
Chromium	MG/KG	22.13	1052885	11.4 *	8.4 *	9.4 *	3.1 *	4.6 *	[redacted] *
Cobalt	MG/KG	30	63173	6.6 B	4.2 B	4 B	2.3 B	2.9 B	4.1 B
Copper	MG/KG	25	42115	[redacted] N*	[redacted] N*	[redacted] N*	[redacted] N*	[redacted] N*	[redacted] N*
Cyanide	MG/KG	0.3		[redacted]	0.6 U	0.61 U	0.57 U	0.62 U	0.6 U
Iron	MG/KG	26626.7	315865	12900	8740	8550	4940	6430	8970
Lead	MG/KG	21.86		[redacted] *	[redacted] *	[redacted] *	[redacted] *	[redacted] *	[redacted] *
Magnesium	MG/KG	12221.8		[redacted]	10700	11300	8340	8690	10300
Manganese	MG/KG	669.38	24218	379	332	308	231	353	290
Mercury	MG/KG	0.1	316	0.05 U	0.04 U	0.05 U	0.05 U	0.06 U	0.05 U
Nickel	MG/KG	33.62	21058	15.3	7.3 B	8.4 B	4.1 B	5.5 B	8.6 B
Potassium	MG/KG	1761.48		1180	975 B	799 B	506 B	634 B	989 B
Selenium	MG/KG	2	5264	0.95 U	0.93 U	1 U	1 U	1.1 U	1 U
Silver	MG/KG	0.4	5264	0.42 U	0.41 U	[redacted] B	0.45 U	0.47 U	[redacted] B
Sodium	MG/KG	103.74		122 U	120 U	133 U	131 U	136 U	134 U
Thallium	MG/KG	0.28	84	1.3 U	1.2 U	1.4 U	1.4 U	1.4 U	139 U
Vanadium	MG/KG	150	7370	12	9.7 B	7.7 B	5.1 B	6.7 B	8.8 B
Zinc	MG/KG	82.5	315865	55.9 *	48.9 *	[redacted] *	34 *	44.5 *	70 *

Table 4-3
122B - Metals in Soil vs PRG-RECs
Non-Evaluated EBS Sites

SITE				SEAD-122B		SEAD-122B		SEAD-122B		SEAD-122B		SEAD-122B		SEAD-122B	
LOC ID				SS122B-1		SS122B-2		SS122B-3		SS122B-4		SS122B-5		SS122B-2	
DESCRIPTION				Bldg. 2302 Small Arms Range		Bldg. 2302 Small Arms Range		Bldg 2302 Small Arms Range		Bldg. 2302 Small Arms Range		Bldg. 2302 Small Arms Range		Bldg. 2302 Small Arms Range	
SAMP ID				EB125		EB126		EB127		EB128		EB129		EB015	
QC CODE				SA		SA		SA		SA		SA		DU	
SAMP. DETH TOP				0		0		0		0		0		0	
SAMP. DEPTH BOT				0.2		0.2		0.2		0.2		0.2		0.2	
MATRIX				SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
SAMP. DATE				8-Mar-98		9-Mar-98		8-Mar-98		8-Mar-98		8-Mar-98		9-Mar-98	
PARAMETER	UNIT	TAGM	PRG_REC	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q
Aluminum	MG/KG	14592.84	1053000	6910		4550		4270		2660		4320		4720	
Antimony	MG/KG	3.59	421	3.2	B*	24.1	*	226	*	3.5	B*	3.6	B*	393	*
Arsenic	MG/KG	7.5	46	3.6	N*	8.4	N*	39.6	N*	2.3	N*	3.6	N*	117	N*
Barium	MG/KG	300	73702	107		25	B	25.5	B	13.6	B	25.9	B	25.2	B
Beryllium	MG/KG	0.73	16	0.2	B	0.11	B	0.09	B	0.04	B	0.06	B	0.12	B
Cadmium	MG/KG	1	526	1.1		0.06	U	0.07	U	0.06	U	0.07	U	0.18	B
Calcium	MG/KG	101903.8		54800		31100		37000		26000		22400		34600	
Chromium	MG/KG	22.13	1052885	11.4	*	8.4	*	9.4	*	3.1	*	4.6	*	69.8	*
Cobalt	MG/KG	30	63173	6.6	B	4.2	B	4	B	2.3	B	2.9	B	4.1	B
Copper	MG/KG	25	42115	81.3	N*	121	N*	380	N*	144	N*	156	N*	239	N*
Cyanide	MG/KG	0.3		0.75		0.6	U	0.61	U	0.57	U	0.62	U	0.6	U
Iron	MG/KG	26626.65	315865	12900		8740		8550		4940		6430		8970	
Lead	MG/KG	21.86		52.5	*	4260	*	30700	*	690	*	1060	*	42900	*
Magnesium	MG/KG	12221.77		15100		10700		11300		6340		8690		10300	
Manganese	MG/KG	669.38	24216	379		332		306		231		353		290	
Mercury	MG/KG	0.1	316	0.05	U	0.04	U	0.05	U	0.05	U	0.06	U	0.05	U
Nickel	MG/KG	33.62	21058	15.3		7.3	B	8.4	B	4.1	B	5.5	B	8.6	B
Potassium	MG/KG	1761.48		1180		975	B	799	B	506	B	634	B	989	B
Selenium	MG/KG	2	5264	0.95	U	0.93	U	1	U	1	U	1.1	U	1	U
Silver	MG/KG	0.4	5264	0.42	U	0.41	U	0.92	B	0.45	U	0.47	U	1.4	B
Sodium	MG/KG	103.74		122	U	120	U	133	U	131	U	136	U	134	U
Thallium	MG/KG	0.28	84	1.3	U	1.2	U	1.4	U	1.4	U	1.4	U	139	U
Vanadium	MG/KG	150	7370	12		9.7	B	7.7	B	5.1	B	6.7	B	8.8	B
Zinc	MG/KG	82.5	315865	55.9	*	48.9	*	96.5	*	34	*	44.5	*	70	*

SEAD-122D

Hot Pad Spill

Table 6-1

Sample Collection Information
SEAD-122D - Hot Pad Spill

12 Priority EBS Non-Evaluated Sites
Seneca Army Depot Activity

MATRIX	LOCATION ID	SAMPLE ID	SAMPLE DATE	TOP (feet)	BOTTOM (feet)	QC CODE	RATIONALE FOR SAMPLE LOCATION
SOIL	SB122D-1	EB201	3/5/98	0.0	0.2	SA	Location is a potential run-off area while plane was being refueled. Surface soil sample.
SOIL	SB122D-1	EB202	3/5/98	6.0	8.0	SA	Same location ID as above. Approx. mid-depth (near water table) sample chosen in bore hole because no VOC hits or other indications of impacts to soils.
SOIL	SB122D-2	EB203	3/5/98	0.0	0.2	SA	Location is a potential run-off area (low spot) while plane was being refueled. Stressed vegetation was also noted at this location. Surface soil sample.
SOIL	SB122D-2	EB204	3/5/98	8.0	10.0	SA	Same location ID as above. Approx. mid-depth (near water table) sample chosen in bore hole because of a 0.2 ppm PID reading in the saturated zone.

Notes:
SA = Sample

Table 6-2
122D - Volatiles in Soil vs TAGMs
Non-Evaluated EBS Sites

SITE:				SEAD-122D		SEAD-122D		SEAD-122D		SEAD-122D	
DESCRIPTION:				Hot Pad Spill		Hot Pad Spill		Hot Pad Spill		Hot Pad Spill	
LOC ID:				SB122D-1		SB122D-1		SB122D-2		SB122D-2	
SAMP ID:				EB201		EB202		EB203		EB204	
QC CODE:				SA		SA		SA		SA	
SAMP. DETH TOP:				0		6		0		8	
SAMP. DEPTH BOT:				0.2		8		0.2		10	
MATRIX:				SOIL		SOIL		SOIL		SOIL	
SAMP. DATE:				5-Mar-98		5-Mar-98		5-Mar-98		5-Mar-98	
PARAMETER	UNIT	TAGM	PRG-REC	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q
1,1,1-Trichloroethane	UG/KG	800	36850962	12	U	11	U	13	U	11	U
1,1,2,2-Tetrachloroethane	UG/KG	600	3439423	12	U	11	U	13	U	11	U
1,1,2-Trichloroethane	UG/KG		1206815	12	U	11	U	13	U	11	U
1,1-Dichloroethane	UG/KG	200	105288462	12	U	11	U	13	U	11	U
1,1-Dichloroethene	UG/KG	400	114647	12	U	11	U	13	U	11	U
1,2-Dichloroethane	UG/KG	100	105288462	12	U	11	U	13	U	11	U
1,2-Dichloroethene (total)	UG/KG			12	U	11	U	13	U	11	U
1,2-Dichloropropane	UG/KG		1011595	12	U	11	U	13	U	11	U
Acetone	UG/KG	200	105288462	12	U	34		13	U	18	
Benzene	UG/KG	60	2372016	12	U	11	U	13	U	11	U
Bromodichloromethane	UG/KG		1109491	12	U	11	U	13	U	11	U
Bromoform	UG/KG		8707400	12	U	11	U	13	U	11	U
Carbon disulfide	UG/KG	2700	105288462	12	U	11	U	13	U	11	U
Carbon tetrachloride	UG/KG	600	529142	12	U	11	U	13	U	11	U
Chlorobenzene	UG/KG	1700	21057692	12	U	11	U	13	U	11	U
Chlorodibromomethane	UG/KG		818910	12	U	11	U	13	U	11	U
Chloroethane	UG/KG	1900	421153846	12	U	11	U	13	U	11	U
Chloroform	UG/KG	300	10528846	12	U	11	U	13	U	11	U
Cis-1,3-Dichloropropene	UG/KG			12	U	11	U	13	U	11	U
Ethyl benzene	UG/KG	5500	105288462	12	U	11	U	13	U	11	U
Methyl bromide	UG/KG		1505625	12	U	11	U	13	U	11	U
Methyl butyl ketone	UG/KG			12	U	11	U	13	U	11	U
Methyl chloride	UG/KG		5291420	12	U	11	U	13	U	11	U
Methyl ethyl ketone	UG/KG	300		12	U	11	U	13	U	11	U
Methyl isobutyl ketone	UG/KG	1000	84230769	12	U	11	U	13	U	11	U
Methylene chloride	UG/KG	100	9171795	12	U	11	U	13	U	11	U
Styrene	UG/KG			12	U	11	U	13	U	11	U
Tetrachloroethene	UG/KG	1400	1322855	12	U	11	U	13	U	11	U
Toluene	UG/KG	1500	210576923	3	J	3	J	13	U	10	J
Total Xylenes	UG/KG	1200	2105769000	12	U	11	U	13	U	11	U
Trans-1,3-Dichloropropene	UG/KG			12	U	11	U	13	U	11	U
Trichloroethene	UG/KG	700	6253497	12	U	11	U	13	U	11	U
Vinyl chloride	UG/KG	200	36204	12	U	11	U	13	U	11	U

Table 6-3
122D - Volatiles in Soil vs PRG-RECs
Non-Evaluated EBS Sites

SITE:				SEAD-122D		SEAD-122D		SEAD-122D		SEAD-122D	
DESCRIPTION:				Hot Pad Spill		Hot Pad Spill		Hot Pad Spill		Hot Pad Spill	
LOC ID:				SB122D-1		SB122D-1		SB122D-2		SB122D-2	
SAMP ID:				EB201		EB202		EB203		EB204	
QC CODE:				SA		SA		SA		SA	
SAMP. DETH TOP:				0		6		0		8	
SAMP. DEPTH BOT:				0.2		8		0.2		10	
MATRIX:				SOIL		SOIL		SOIL		SOIL	
SAMP. DATE:				5-Mar-98		5-Mar-98		5-Mar-98		5-Mar-98	
PARAMETER	UNIT	TAGM	PRG-REC	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q
1,1,1-Trichloroethane	UG/KG	800	36850962	12	U	11	U	13	U	11	U
1,1,2,2-Tetrachloroethane	UG/KG	600	3439423	12	U	11	U	13	U	11	U
1,1,2-Trichloroethane	UG/KG		1206815	12	U	11	U	13	U	11	U
1,1-Dichloroethane	UG/KG	200	105288462	12	U	11	U	13	U	11	U
1,1-Dichloroethene	UG/KG	400	114647	12	U	11	U	13	U	11	U
1,2-Dichloroethane	UG/KG	100	105288462	12	U	11	U	13	U	11	U
1,2-Dichloroethene (total)	UG/KG			12	U	11	U	13	U	11	U
1,2-Dichloropropane	UG/KG		1011595	12	U	11	U	13	U	11	U
Acetone	UG/KG	200	105288462	12	U	34		13	U	18	
Benzene	UG/KG	60	2372016	12	U	11	U	13	U	11	U
Bromodichloromethane	UG/KG		1109491	12	U	11	U	13	U	11	U
Bromoform	UG/KG		8707400	12	U	11	U	13	U	11	U
Carbon disulfide	UG/KG	2700	105288462	12	U	11	U	13	U	11	U
Carbon tetrachloride	UG/KG	600	529142	12	U	11	U	13	U	11	U
Chlorobenzene	UG/KG	1700	21057692	12	U	11	U	13	U	11	U
Chlorodibromomethane	UG/KG		818910	12	U	11	U	13	U	11	U
Chloroethane	UG/KG	1900	421153846	12	U	11	U	13	U	11	U
Chloroform	UG/KG	300	10528846	12	U	11	U	13	U	11	U
Cis-1,3-Dichloropropene	UG/KG			12	U	11	U	13	U	11	U
Ethyl benzene	UG/KG	5500	105288462	12	U	11	U	13	U	11	U
Methyl bromide	UG/KG		1505625	12	U	11	U	13	U	11	U
Methyl butyl ketone	UG/KG			12	U	11	U	13	U	11	U
Methyl chloride	UG/KG		5291420	12	U	11	U	13	U	11	U
Methyl ethyl ketone	UG/KG	300		12	U	11	U	13	U	11	U
Methyl isobutyl ketone	UG/KG	1000	84230769	12	U	11	U	13	U	11	U
Methylene chloride	UG/KG	100	9171795	12	U	11	U	13	U	11	U
Styrene	UG/KG			12	U	11	U	13	U	11	U
Tetrachloroethene	UG/KG	1400	1322855	12	U	11	U	13	U	11	U
Toluene	UG/KG	1500	210576923	3	J	3	J	13	U	10	J
Total Xylenes	UG/KG	1200	2105769000	12	U	11	U	13	U	11	U
Trans-1,3-Dichloropropene	UG/KG			12	U	11	U	13	U	11	U
Trichloroethene	UG/KG	700	6253497	12	U	11	U	13	U	11	U
Vinyl chloride	UG/KG	200	36204	12	U	11	U	13	U	11	U

SITE:				SEAD-122D		SEAD-122D		SEAD-122D		SEAD-122D	
DESCRIPTION:				Hot Pad Spill		Hot Pad Spill		Hot Pad Spill		Hot Pad Spill	
LOC ID:				SB122D-1		SB122D-1		SB122D-2		SB122D-2	
SAMP ID:				EB201		EB202		EB203		EB204	
OC CODE:				SA		SA		SA		SA	
SAMP. DETH TOP:				0		6		0		8	
SAMP. DEPTH BOT:				0.2		8		0.2		10	
MATRIX:				SOIL		SOIL		SOIL		SOIL	
SAMP. DATE:				5-Mar-98		5-Mar-98		5-Mar-98		5-Mar-98	
PARAMETER	UNIT	TAGM	PRG-REC	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q
1,2,4-Trichlorobenzene	UG/KG	3400	10528846	77	U	74	U	69	U	73	U
1,2-Dichlorobenzene	UG/KG	7900	94759615	77	U	74	U	69	U	73	U
1,3-Dichlorobenzene	UG/KG	1600	93706731	77	U	74	U	69	U	73	U
1,4-Dichlorobenzene	UG/KG	8500	2966186	77	U	74	U	69	U	73	U
2,4,5-Trichlorophenol	UG/KG	100	105288462	190	U	180	U	170	U	180	U
2,4,6-Trichlorophenol	UG/KG		8253497	77	U	74	U	69	U	73	U
2,4-Dichlorophenol	UG/KG	400	3158654	77	U	74	U	69	U	73	U
2,4-Dimethylphenol	UG/KG		21057692	77	U	74	U	69	U	73	U
2,4-Dinitrophenol	UG/KG	200	2105769	190	U	180	U	170	U	180	U
2,4-Dinitrotoluene	UG/KG		2105769	77	U	74	U	69	U	73	U
2,6-Dinitrotoluene	UG/KG	1000	1052885	77	U	74	U	69	U	73	U
2-Chloronaphthalene	UG/KG			77	U	74	U	69	U	73	U
2-Chlorophenol	UG/KG	800	6264423	77	U	74	U	69	U	73	U
2-Methylnaphthalene	UG/KG	36400		77	U	74	U	69	U	73	U
2-Methylphenol	UG/KG	100	52644231	77	U	74	U	69	U	73	U
2-Nitroaniline	UG/KG	430	63173	190	U	180	U	170	U	180	U
2-Nitrophenol	UG/KG	330		77	U	74	U	69	U	73	U
3,3'-Dichlorobenzidine	UG/KG		152863	77	U	74	U	69	U	73	U
3-Nitroaniline	UG/KG	500	3158654	190	U	180	U	170	U	180	U
4,6-Dinitro-2-methylphenol	UG/KG			190	U	180	U	170	U	180	U
4-Bromophenyl phenyl ether	UG/KG		51067308	77	U	74	U	69	U	73	U
4-Chloro-3-methylphenol	UG/KG	240		77	U	74	U	69	U	73	U
4-Chloroaniline	UG/KG	220	4211539	77	U	74	U	69	U	73	U
4-Chlorophenyl phenyl ether	UG/KG			77	U	74	U	69	U	73	U
4-Methylphenol	UG/KG	900		77	U	74	U	69	U	73	U
4-Nitroaniline	UG/KG		3158654	190	U	180	U	170	U	180	U
4-Nitrophenol	UG/KG	100	63173077	190	U	180	U	170	U	180	U
Acenaphthene	UG/KG	50000		77	U	74	U	69	U	73	U
Acenaphthylene	UG/KG	41000		77	U	74	U	69	U	73	U
Anthracene	UG/KG	50000	315865385	77	U	74	U	69	U	73	U
Benzo[a]anthracene	UG/KG	224	94231	77	U	74	U	69	U	73	U
Benzo[a]pyrene	UG/KG	61	9423	77	U	74	U	6	J	73	U
Benzo[b]fluoranthene	UG/KG	1100	94231	77	U	74	U	7.2	J	73	U
Benzo[ghi]perylene	UG/KG	50000		77	U	74	U	7.7	J	73	U
Benzo[k]fluoranthene	UG/KG	1100	942308	77	U	74	U	4.7	J	73	U
Bis(2-Chloroethoxy)methane	UG/KG			77	U	74	U	69	U	73	U
Bis(2-Chloroethyl)ether	UG/KG		82535	77	U	74	U	69	U	73	U
Bis(2-Chloroisopropyl)ether	UG/KG		982692	77	U	74	U	69	U	73	U
Bis(2-Ethylhexyl)phthalate	UG/KG	50000	4913462	18	J	74	U	69	U	14	J
Butylbenzylphthalate	UG/KG	50000	210576923	77	U	5.9	J	69	U	73	U
Carbazole	UG/KG		3438423	77	U	74	U	69	U	73	U
Chrysene	UG/KG	400	9423077	77	U	74	U	5.7	J	73	U
Di-n-butylphthalate	UG/KG	8100		77	U	74	U	69	U	4.5	J
Di-n-octylphthalate	UG/KG	50000	21057692	77	U	74	U	140		11	J
Dibenz[a,h]anthracene	UG/KG	14	9423	77	U	74	U	69	U	73	U
Dibenzofuran	UG/KG	6200	9827	77	U	74	U	69	U	73	U
Diethyl phthalate	UG/KG	7100	842307692	11	JB	17	JB	9	JB	13	JB
Dimethylphthalate	UG/KG	2000	10530000000	77	U	74	U	69	U	73	U
Ethylene Glycol	MG/KG		2106000000								
Fluoranthene	UG/KG	50000	42115385	77	U	74	U	4.4	J	73	U
Fluorene	UG/KG	50000	42115385	77	U	74	U	69	U	73	U
Hexachlorobenzene	UG/KG	410	42993	77	U	74	U	69	U	73	U
Hexachlorobutadiene	UG/KG		210577	77	U	74	U	69	U	73	U
Hexachlorocyclopentadiene	UG/KG		7370192	77	U	74	U	69	U	73	U
Hexachloroethane	UG/KG		1052885	77	U	74	U	69	U	73	U
Indeno[1,2,3-cd]pyrene	UG/KG	3200	94231	77	U	74	U	6.6	J	73	U
Isophorone	UG/KG	4400		77	U	74	U	69	U	73	U
N-Nitrosodiphenylamine	UG/KG		14038462	77	U	74	U	69	U	73	U
N-Nitrosodipropylamine	UG/KG		10000	77	U	74	U	69	U	73	U
Naphthalene	UG/KG	13000	42115385	77	U	74	U	69	U	73	U
Nitrobenzene	UG/KG	200	526442	77	U	74	U	69	U	73	U
Pentachlorophenol	UG/KG	1000	573237	190	U	180	U	170	U	180	U
Phenanthrene	UG/KG	50000		77	U	74	U	4.3	J	73	U
Phenol	UG/KG	30	631730769	77	U	74	U	69	U	73	U
Propylene Glycol	MG/KG										
Pyrene	UG/KG	50000	31586538	77	U	74	U	4.4	J	73	U
TPH	MG/KG			16.5	U	17.4	U	188		17.1	U
Alkanes - Unknown (total)	UG/KG										

Table 6-5
122D - Semivolatiles/TPH in Soil vs PRG-RECs
Non-Evaluated EBS Sites

SITE:				SEAD-122D		SEAD-122D		SEAD-122D		SEAD-122D	
DESCRIPTION:				Hot Pad Spill		Hot Pad Spill		Hot Pad Spill		Hot Pad Spill	
LOC ID:				SB122D-1		SB122D-1		SB122D-2		SB122D-2	
SAMP ID:				EB201		EB202		EB203		EB204	
QC CODE:				SA		SA		SA		SA	
SAMP. DETH TOP:				0		6		0		8	
SAMP. DEPTH BOT:				0.2		8		0.2		10	
MATRIX:				SOIL		SOIL		SOIL		SOIL	
SAMP. DATE:				5-Mar-98		5-Mar-98		5-Mar-98		5-Mar-98	
PARAMETER	UNIT	TAGM	PRG-REC	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q
1,2,4-Trichlorobenzene	UG/KG	3400	10528846	77	U	74	U	69	U	73	U
1,2-Dichlorobenzene	UG/KG	7900	94759615	77	U	74	U	69	U	73	U
1,3-Dichlorobenzene	UG/KG	1600	93706731	77	U	74	U	69	U	73	U
1,4-Dichlorobenzene	UG/KG	8500	2866186	77	U	74	U	69	U	73	U
2,4,5-Trichlorophenol	UG/KG	100	105288462	190	U	180	U	170	U	180	U
2,4,6-Trichlorophenol	UG/KG		6253497	77	U	74	U	69	U	73	U
2,4-Dichlorophenol	UG/KG	400	3158654	77	U	74	U	69	U	73	U
2,4-Dimethylphenol	UG/KG		21057692	77	U	74	U	69	U	73	U
2,4-Dinitrophenol	UG/KG	200	2105769	190	U	180	U	170	U	180	U
2,4-Dinitrotoluene	UG/KG		2105769	77	U	74	U	69	U	73	U
2,6-Dinitrotoluene	UG/KG	1000	1052885	77	U	74	U	69	U	73	U
2-Chloronaphthalene	UG/KG			77	U	74	U	69	U	73	U
2-Chlorophenol	UG/KG	800	5264423	77	U	74	U	69	U	73	U
2-Methylnaphthalene	UG/KG	36400		77	U	74	U	69	U	73	U
2-Methylphenol	UG/KG	100	52644231	77	U	74	U	69	U	73	U
2-Nitroaniline	UG/KG	430	63173	190	U	180	U	170	U	180	U
2-Nitrophenol	UG/KG	330		77	U	74	U	69	U	73	U
3,3'-Dichlorobenzidine	UG/KG		152863	77	U	74	U	69	U	73	U
3-Nitroaniline	UG/KG	500	3158654	190	U	180	U	170	U	180	U
4,6-Dinitro-2-methylphenol	UG/KG			190	U	180	U	170	U	180	U
4-Bromophenyl phenyl ether	UG/KG		61067308	77	U	74	U	69	U	73	U
4-Chloro-3-methylphenol	UG/KG	240		77	U	74	U	69	U	73	U
4-Chloroaniline	UG/KG	220	4211539	77	U	74	U	69	U	73	U
4-Chlorophenyl phenyl ether	UG/KG			77	U	74	U	69	U	73	U
4-Methylphenol	UG/KG	900		77	U	74	U	69	U	73	U
4-Nitroaniline	UG/KG		3158654	190	U	180	U	170	U	180	U
4-Nitrophenol	UG/KG	100	63173077	190	U	180	U	170	U	180	U
Acenaphthene	UG/KG	50000		77	U	74	U	69	U	73	U
Acenaphthylene	UG/KG	41000		77	U	74	U	69	U	73	U
Anthracene	UG/KG	50000	315865385	77	U	74	U	69	U	73	U
Benzo[a]anthracene	UG/KG	224	94231	77	U	74	U	69	U	73	U
Benzo[a]pyrene	UG/KG	61	9423	77	U	74	U	6	J	73	U
Benzo[b]fluoranthene	UG/KG	1100	94231	77	U	74	U	7.2	J	73	U
Benzo[ghi]perylene	UG/KG	50000		77	U	74	U	7.7	J	73	U
Benzo[k]fluoranthene	UG/KG	1100	942308	77	U	74	U	4.7	J	73	U
Bis(2-Chloroethoxy)methane	UG/KG			77	U	74	U	69	U	73	U
Bis(2-Chloroethyl)ether	UG/KG		62535	77	U	74	U	69	U	73	U
Bis(2-Chloroisopropyl)ether	UG/KG		992692	77	U	74	U	69	U	73	U
Bis(2-Ethylhexyl)phthalate	UG/KG	50000	4913462	16	J	74	U	69	U	14	J
Butylbenzylphthalate	UG/KG	50000	210576923	77	U	5.9	J	69	U	73	U
Carbazole	UG/KG		3438423	77	U	74	U	69	U	73	U
Chrysene	UG/KG	400	9423077	77	U	74	U	5.7	J	73	U
Di-n-butylphthalate	UG/KG	8100		77	U	74	U	69	U	4.5	J
Di-n-octylphthalate	UG/KG	50000	21057692	77	U	74	U	140		11	J
Dibenz[a,h]anthracene	UG/KG	14	9423	77	U	74	U	69	U	73	U
Dibenzofuran	UG/KG	6200	9827	77	U	74	U	69	U	73	U
Diethyl phthalate	UG/KG	7100	842307692	11	JB	17	JB	9	JB	13	JB
Dimethylphthalate	UG/KG	2000	10530000000	77	U	74	U	69	U	73	U
Ethylene Glycol	MG/KG		2106000000								
Fluoranthene	UG/KG	50000	42115385	77	U	74	U	4.4	J	73	U
Fluorene	UG/KG	50000	42115385	77	U	74	U	69	U	73	U
Hexachlorobenzene	UG/KG	410	42993	77	U	74	U	69	U	73	U
Hexachlorobutadiene	UG/KG		210577	77	U	74	U	69	U	73	U
Hexachlorocyclopentadiene	UG/KG		7370192	77	U	74	U	69	U	73	U
Hexachloroethane	UG/KG		1052885	77	U	74	U	69	U	73	U
Indeno[1,2,3-cd]pyrene	UG/KG	3200	94231	77	U	74	U	6.6	J	73	U
Isophorone	UG/KG	4400		77	U	74	U	69	U	73	U
N-Nitrosodiphenylamine	UG/KG		14038462	77	U	74	U	69	U	73	U
N-Nitrosodipropylamine	UG/KG		10000	77	U	74	U	69	U	73	U
Naphthalene	UG/KG	13000	42115385	77	U	74	U	69	U	73	U
Nitrobenzene	UG/KG	200	526442	77	U	74	U	69	U	73	U
Pentachlorophenol	UG/KG	1000	573237	190	U	180	U	170	U	180	U
Phenanthrene	UG/KG	50000		77	U	74	U	4.3	J	73	U
Phenol	UG/KG	30	631730769	77	U	74	U	69	U	73	U
Propylene Glycol	MG/KG										
Pyrene	UG/KG	50000	31586538	77	U	74	U	4.4	J	73	U
TPH	MG/KG			16.5	U	17.4	U	108		17.1	U
Alkanes - Unknown (total)	UG/KG										

SEAD-122E

Deicing Planes

Table 7-1

Sample Collection Information
SEAD-122E - Deicing Planes

12 Priority EBS Non-Evaluated Sites
Seneca Army Depot Activity

MATRIX	LOCATION ID	SAMPLE ID	SAMPLE DATE	TOP (feet)	BOTTOM (feet)	QC CODE	RATIONALE FOR SAMPLE LOCATION
SOIL	SB122E-1	EB205	3/6/98	0.0	0.2	SA	South Pad : Location is a potential run-off area (i.e., low spot) on SW corner of asphalt deicing pad. Surface soil sample.
SOIL	SB122E-1	EB207	3/6/98	6.0	7.5	SA	Same location ID as above . Approx. mid-depth (near water table) sample chosen in bore hole because no VOC hits or other indications of impacts to soils.
SOIL	SB122E-2	EB208	3/6/98	0.0	0.2	SA	Center Pad : Location is a potential run-off area (i.e., low spot) on the NW corner of asphalt deicing pad. Surface soil sample.
SOIL	SB122E-2	EB209	3/6/98	2.0	2.3	SA	Same location ID as above. Approx. mid-depth (near water table) sample chosen in bore hole because no VOC hits or other indications of impacts to soils.
SOIL	SB122E-3	EB210	3/6/98	0.0	0.2	SA	North pad : Location is a potential run-off area (i.e., low spot) on west side of asphalt deicing pad. Surface soil sample.
SOIL	SB122E-3	EB211	3/6/98	2.0	2.5	SA	Same location ID as above. Approx. mid-depth (near water table) sample chosen in bore hole because no VOC hits or other indications of impacts to soils.
GROUND WATER	MW122E-1	EB122	3/8/98	9.5	9.5	SA	Location is a potential run-off area (i.e., low spot) on SW corner of asphalt deicing pad. Installed in same boring as SB122E-1 above.
GROUND WATER	MW122E-2	EB123	3/8/98	9.0	9.0	SA	Location is a potential run-off area (i.e., low spot) on NW corner of asphalt deicing pad. Installed in same boring as SB122E-2 above.

Table 7-1

Sample Collection Information
SEAD-122E - Deicing Planes

12 Priority EBS Non-Evaluated Sites
Seneca Army Depot Activity

MATRIX	LOCATION ID	SAMPLE ID	SAMPLE DATE	TOP (feet)	BOTTOM (feet)	QC CODE	RATIONALE FOR SAMPLE LOCATION
GROUND WATER	MW122E-3	EB124	3/8/98	8.5	8.5	SA	Location is a potential run-off area (i.e., low spot) on west side of asphalt deicing pad. Installed in same boring as SB122E-3 above.
WATER	SB122E	EB004	3/6/98	0.0	0.0	RB	Not Applicable
SOIL	SB122E	EB005	3/6/98	0.0	0.2	DU	Not Applicable
WATER	MW122E-1	EB010	3/8/98	0.0	0.0	RB	Not Applicable
WATER	MW122E-1	EB011	3/8/98	9.5	9.5	DU	Not Applicable

Notes:
SA = Sample
DU = Duplicate
RB = Rinse Blank

Table 7-2
122E - Semivolatiles in Soil vs TAGMs
Non-Evaluated EBS Sites

SITE:				SEAD-122E		SEAD-122E		SEAD-122E		SEAD-122E		SEAD-122E		SEAD-122E		SEAD-122E	
DESCRIPTION:				Deicing Planes		Deicing Planes		Deicing Planes		Deicing Planes		Deicing Planes		Deicing Planes		Deicing Planes	
LOC ID:				SB122E-1		SB122E-1		SB122E-1		SB122E-2		SB122E-2		SB122E-3		SB122E-3	
SAMP ID:				EB005		EB205		EB207		EB208		EB209		EB210		EB211	
QC CODE				DU		SA		SA		SA		SA		SA		SA	
SAMP. DETH TOP:				0		0		6		0		2		0		2	
SAMP. DEPTH BOT:				0.2		0.2		7.5		0.2		2.3		0.2		2.5	
MATRIX				SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
SAMP. DATE:				6-Mar-98		6-Mar-98		6-Mar-98		6-Mar-98		6-Mar-98		6-Mar-98		6-Mar-98	
PARAMETER	UNIT	TAGM	PRG-REC	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q
1,2,4-Trichlorobenzene	UG/KG	3400	10528848			150	U	71	U	3000	U	71	U	77	U	80	U
1,2-Dichlorobenzene	UG/KG	7900	94759615			150	U	71	U	3000	U	71	U	77	U	80	U
1,3-Dichlorobenzene	UG/KG	1600	93706731			150	U	71	U	3000	U	71	U	77	U	80	U
1,4-Dichlorobenzene	UG/KG	8500	2866186			150	U	71	U	3000	U	71	U	77	U	80	U
2,4,5-Trichlorophenol	UG/KG	100	105288462			370	U	170	U	7300	U	170	U	190	U	190	U
2,4,6-Trichlorophenol	UG/KG		6253497			150	U	71	U	3000	U	71	U	77	U	80	U
2,4-Dichlorophenol	UG/KG	400	3158654			150	U	71	U	3000	U	71	U	77	U	80	U
2,4-Dimethylphenol	UG/KG		21057692			150	U	71	U	3000	U	71	U	77	U	80	U
2,4-Dinitrophenol	UG/KG	200	2105769			370	U	170	U	7300	U	170	U	190	U	190	U
2,4-Dinitrotoluene	UG/KG		2105769			150	U	71	U	3000	U	71	U	77	U	80	U
2,6-Dinitrotoluene	UG/KG	1000	1052885			150	U	71	U	3000	U	71	U	77	U	80	U
2-Chloronaphthalene	UG/KG					150	U	71	U	3000	U	71	U	77	U	80	U
2-Chlorophenol	UG/KG	800	5264423			150	U	71	U	3000	U	71	U	77	U	80	U
2-Methylnaphthalene	UG/KG	36400				150	U	71	U	3000	U	71	U	77	U	80	U
2-Methylphenol	UG/KG	100	52644231			150	U	71	U	3000	U	71	U	77	U	80	U
2-Nitroaniline	UG/KG	430	63173			370	U	170	U	7300	U	170	U	190	U	190	U
2-Nitrophenol	UG/KG	330				150	U	71	U	3000	U	71	U	77	U	80	U
3,3'-Dichlorobenzidine	UG/KG		152863			150	U	71	U	3000	U	71	U	77	U	80	U
3-Nitroaniline	UG/KG	500	3158654			370	U	170	U	7300	U	170	U	190	U	190	U
4,6-Dinitro-2-methylphenol	UG/KG					370	U	170	U	7300	U	170	U	190	U	190	U
4-Bromophenyl phenyl ether	UG/KG		61067308			150	U	71	U	3000	U	71	U	77	U	80	U
4-Chloro-3-methylphenol	UG/KG	240				150	U	71	U	3000	U	71	U	77	U	80	U
4-Chloroaniline	UG/KG	220	4211539			150	U	71	U	3000	U	71	U	77	U	80	U
4-Chlorophenyl phenyl ether	UG/KG					150	U	71	U	3000	U	71	U	77	U	80	U
4-Methylphenol	UG/KG	900				150	U	71	U	3000	U	71	U	77	U	80	U
4-Nitroaniline	UG/KG		3158654			370	U	170	U	7300	U	170	U	190	U	190	U
4-Nitrophenol	UG/KG	100	63173077			370	U	170	U	7300	U	170	U	190	U	190	U
Acenaphthene	UG/KG	50000				10	J	71	U	340	J	71	U	77	U	80	U
Acenaphthylene	UG/KG	41000				150	U	71	U	3000	U	71	U	77	U	80	U
Anthracene	UG/KG	50000	315865385			37	J	71	U	880	J	5.9	J	4.1	J	80	U
Benzo[a]anthracene	UG/KG	224	94231			[redacted]		71	U	[redacted]		40	J	43	J	31	J
Benzo[a]pyrene	UG/KG	61	9423			[redacted]		71	U	[redacted]		49	J	61	J	41	J
Benzo[b]fluoranthene	UG/KG	1100	94231			370		71	U	[redacted]		56	J	86		52	J
Benzo[ghi]perylene	UG/KG	50000				250		71	U	5500		41	J	52	J	30	J
Benzo[k]fluoranthene	UG/KG	1100	942308			300		71	U	[redacted]		76		61	J	61	J
Bis(2-Chloroethoxy)methane	UG/KG					150	U	71	U	3000	U	71	U	77	U	80	U
Bis(2-Chloroethyl)ether	UG/KG		62535			150	U	71	U	3000	U	71	U	77	U	80	U
Bis(2-Chloroisopropyl)ether	UG/KG		982692			150	U	71	U	3000	U	71	U	77	U	80	U
Bis(2-Ethylhexyl)phthalate	UG/KG	50000	4913462			11	J	8.6	J	3000	U	10	J	5.3	J	6.8	J
Butylbenzylphthalate	UG/KG	50000	210576923			150	U	5.8	JB	3000	U	71	U	77	U	80	U
Carbazole	UG/KG		3439423			64	J	71	U	2000	J	23	J	14	J	8.2	J
Chrysene	UG/KG	400	9423077			[redacted]		71	U	[redacted]		63	J	76	J	64	J
Di-n-butylphthalate	UG/KG	8100				150	U	71	U	3000	U	71	U	77	U	80	U
Di-n-octylphthalate	UG/KG	50000	21057692			150	U	71	U	3000	U	71	U	6.4	J	80	U
Dibenz[a,h]anthracene	UG/KG	14	9423			[redacted]	J	71	U	[redacted]	J	[redacted]	J	[redacted]	J	[redacted]	J
Dibenzofuran	UG/KG	6200	9827			8.3	J	71	U	240	J	71	U	77	U	80	U
Diethyl phthalate	UG/KG	7100	842307692			18	J	36	J	3000	U	14	JB	8	J	19	J
Dimethylphthalate	UG/KG	2000	10530000000			150	U	71	U	3000	U	71	U	77	U	80	U
Ethylene Glycol	MG/KG		2106000000	58	U	59	U	61	U	69	U	57	U	58	U	62	U
Fluoranthene	UG/KG	50000	42115385			800		3.6	J	22000		130		150		120	
Fluorene	UG/KG	50000	42115385			16	J	71	U	440	J	71	U	77	U	80	U
Hexachlorobenzene	UG/KG	410	42893			150	U	71	U	3000	U	71	U	77	U	80	U
Hexachlorobutadiene	UG/KG		210577			150	U	71	U	3000	U	71	U	77	U	80	U
Hexachlorocyclopentadiene	UG/KG		7370192			150	U	71	U	3000	U	71	U	77	U	80	U
Hexachloroethane	UG/KG		1052885			150	U	71	U	3000	U	71	U	77	U	80	U
Indeno[1,2,3-cd]pyrene	UG/KG	3200	94231			240		71	U	[redacted]		36	J	45	J	29	J
Isophorone	UG/KG	4400				150	U	71	U	3000	U	71	U	77	U	80	U
N-Nitrosodiphenylamine	UG/KG		14038462			150	U	71	U	3000	U	71	U	77	U	80	U
N-Nitrosodipropylamine	UG/KG		10000			150	U	71	U	3000	U	71	U	77	U	80	U
Naphthalene	UG/KG	13000	42115385			150	U	71	U	3000	U	71	U	77	U	80	U
Nitrobenzene	UG/KG	200	526442			150	U	71	U	3000	U	71	U	77	U	80	U
Pentachlorophenol	UG/KG	1000	573237			370	U	170	U	7300	U	170	U	190	U	190	U
Phenanthrene	UG/KG	50000				380		71	U	10000		66	J	77		55	J
Phenol	UG/KG	30	631730769			150	U	71	U	3000	U	71	U	77	U	80	U
Propylene Glycol	MG/KG			58	U	59	U	61	U	69	U	57	U	58	U	62	U
Pyrene	UG/KG	50000	31586538			530		71	U	18000		100		110		91	
TPH	MG/KG																
Alkanes - Unknown (total)	UG/KG					2550		36		3200		1189		1321		198	

Table 7-3
122E Semivolatiles in Soil vs PRG-RECs
Non-Evaluated EBS Sites

SITE				SEAD-122E		SEAD-122E		SEAD-122E		SEAD-122E		SEAD-122E		SEAD-122E		SEAD-122E	
DESCRIPTION				Deicing Planes		Deicing Planes		Deicing Planes		Deicing Planes		Deicing Planes		Deicing Planes		Deicing Planes	
LOC ID				SB122E-1		SB122E-1		SB122E-1		SB122E-2		SB122E-2		SB122E-3		SB122E-3	
SAMP ID				EB005		EB205		EB207		EB208		EB209		EB210		EB211	
QC CODE				DU		SA		SA		SA		SA		SA		SA	
SAMP DETH TOP				0		0		6		0		2		0		2	
SAMP DEPTH BOT				0 2		0 2		7 5		0 2		2 3		0 2		2 5	
MATRIX				SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
SAMP DATE				6-Mar-98		6-Mar-98		6-Mar-98		6-Mar-98		6-Mar-98		6-Mar-98		6-Mar-98	
PARAMETER	UNIT	TAGM	PRG-REC	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q
1,2,4-Trichlorobenzene	UG/KG	3400	10528846			150	U	71	U	3000	U	71	U	77	U	80	U
1,2-Dichlorobenzene	UG/KG	7900	94759615			150	U	71	U	3000	U	71	U	77	U	80	U
1,3-Dichlorobenzene	UG/KG	1600	93706731			150	U	71	U	3000	U	71	U	77	U	80	U
1,4-Dichlorobenzene	UG/KG	8500	2866186			150	U	71	U	3000	U	71	U	77	U	80	U
2,4,5-Trichlorophenol	UG/KG	100	105288462			370	U	170	U	7300	U	170	U	190	U	190	U
2,4,6-Trichlorophenol	UG/KG		6253497			150	U	71	U	3000	U	71	U	77	U	80	U
2,4-Dichlorophenol	UG/KG	400	3158654			150	U	71	U	3000	U	71	U	77	U	80	U
2,4-Dimethylphenol	UG/KG		21057692			150	U	71	U	3000	U	71	U	77	U	80	U
2,4-Dinitrophenol	UG/KG	200	2105769			370	U	170	U	7300	U	170	U	190	U	190	U
2,4-Dinitrotoluene	UG/KG		2105769			150	U	71	U	3000	U	71	U	77	U	80	U
2,6-Dinitrotoluene	UG/KG	1000	1052885			150	U	71	U	3000	U	71	U	77	U	80	U
2-Chloronaphthalene	UG/KG					150	U	71	U	3000	U	71	U	77	U	80	U
2-Chlorophenol	UG/KG	800	5264423			150	U	71	U	3000	U	71	U	77	U	80	U
2-Methylnaphthalene	UG/KG	36400				150	U	71	U	3000	U	71	U	77	U	80	U
2-Methylphenol	UG/KG	100	52644231			150	U	71	U	3000	U	71	U	77	U	80	U
2-Nitroaniline	UG/KG	430	63173			370	U	170	U	7300	U	170	U	190	U	190	U
2-Nitrophenol	UG/KG	330				150	U	71	U	3000	U	71	U	77	U	80	U
3,3'-Dichlorobenzidine	UG/KG		152863			150	U	71	U	3000	U	71	U	77	U	80	U
3-Nitroaniline	UG/KG	500	3158654			370	U	170	U	7300	U	170	U	190	U	190	U
4,6-Dinitro-2-methylphenol	UG/KG					370	U	170	U	7300	U	170	U	190	U	190	U
4-Bromophenyl phenyl ether	UG/KG		61067308			150	U	71	U	3000	U	71	U	77	U	80	U
4-Chloro-3-methylphenol	UG/KG	240				150	U	71	U	3000	U	71	U	77	U	80	U
4-Chloroaniline	UG/KG	220	4211539			150	U	71	U	3000	U	71	U	77	U	80	U
4-Chlorophenyl phenyl ether	UG/KG					150	U	71	U	3000	U	71	U	77	U	80	U
4-Methylphenol	UG/KG	900				150	U	71	U	3000	U	71	U	77	U	80	U
4-Nitroaniline	UG/KG		3158654			370	U	170	U	7300	U	170	U	190	U	190	U
4-Nitrophenol	UG/KG	100	63173077			370	U	170	U	7300	U	170	U	190	U	190	U
Acenaphthene	UG/KG	50000				10	J	71	U	340	J	71	U	77	U	80	U
Acenaphthylene	UG/KG	41000				150	U	71	U	3000	U	71	U	77	U	80	U
Anthracene	UG/KG	50000	315865385			37	J	71	U	890	J	5 9	J	4 1	J	80	U
Benzo[a]anthracene	UG/KG	224	94231			270		71	U	6600		40	J	43	J	31	J
Benzo[a]pyrene	UG/KG	61	9423			300		71	U	8400		49	J	61	J	41	J
Benzo[b]fluoranthene	UG/KG	1100	94231			370		71	U	11000		56	J	86		52	J
Benzo[ghi]perylene	UG/KG	50000				250		71	U	5500		41	J	52	J	30	J
Benzo[k]fluoranthene	UG/KG	1100	942308			300		71	U	11000		76		61	J	61	J
Bis(2-Chloroethoxy)methane	UG/KG					150	U	71	U	3000	U	71	U	77	U	80	U
Bis(2-Chloroethyl)ether	UG/KG		62535			150	U	71	U	3000	U	71	U	77	U	80	U
Bis(2-Chloroisopropyl)ether	UG/KG		982692			150	U	71	U	3000	U	71	U	77	U	80	U
Bis(2-Ethylhexyl)phthalate	UG/KG	50000	4913462			11	J	8 6	J	3000	U	10	J	5 3	J	6 8	J
Butylbenzylphthalate	UG/KG	50000	210576923			150	U	5 8	JB	3000	U	71	U	77	U	80	U
Carbazole	UG/KG		3439423			64	J	71	U	2000	J	23	J	14	J	8 2	J
Chrysene	UG/KG	400	9423077			410		71	U	10000		63	J	76	J	64	J
Di-n-butylphthalate	UG/KG	8100				150	U	71	U	3000	U	71	U	77	U	80	U
Di-n-octylphthalate	UG/KG	50000	21057692			150	U	71	U	3000	U	71	U	6 4	J	80	U
Dibenz[a,h]anthracene	UG/KG	14	9423			110	J	71	U	1900	J	16	J	23	J	15	J
Dibenzofuran	UG/KG	6200	9827			8 3	J	71	U	240	J	71	U	77	U	80	U
Diethyl phthalate	UG/KG	7100	842307692			18	J	36	J	3000	U	14	JB	8	J	19	J
Dimethylphthalate	UG/KG	2000	10530000000			150	U	71	U	3000	U	71	U	77	U	80	U
Ethylene Glycol	MG/KG		2106000000	58	U	59	U	61	U	69	U	57	U	58	U	62	U
Fluoranthene	UG/KG	50000	42115385			800		3 6	J	22000		130		150		120	
Fluorene	UG/KG	50000	42115385			16	J	71	U	440	J	71	U	77	U	80	U
Hexachlorobenzene	UG/KG	410	42993			150	U	71	U	3000	U	71	U	77	U	80	U
Hexachlorobutadiene	UG/KG		210577			150	U	71	U	3000	U	71	U	77	U	80	U
Hexachlorocyclopentadiene	UG/KG		7370192			150	U	71	U	3000	U	71	U	77	U	80	U
Hexachloroethane	UG/KG		1052885			150	U	71	U	3000	U	71	U	77	U	80	U
Indeno[1,2,3-cd]pyrene	UG/KG	3200	94231			240		71	U	5300		36	J	45	J	29	J
Isophorone	UG/KG	4400				150	U	71	U	3000	U	71	U	77	U	80	U
N-Nitrosodiphenylamine	UG/KG		14038462			150	U	71	U	3000	U	71	U	77	U	80	U
N-Nitrosodipropylamine	UG/KG		10000			150	U	71	U	3000	U	71	U	77	U	80	U
Naphthalene	UG/KG	13000	42115385			150	U	71	U	3000	U	71	U	77	U	80	U
Nitrobenzene	UG/KG	200	526442			150	U	71	U	3000	U	71	U	77	U	80	U
Pentachlorophenol	UG/KG	1000	573237			370	U	170	U	7300	U	170	U	190	U	190	U
Phenanthrene	UG/KG	50000				380		71	U	10000		66	J	77		55	J
Phenol	UG/KG	30	631730769			150	U	71	U	3000	U	71	U	77	U	80	U
Propylene Glycol	MG/KG			58	U	59	U	61	U	69	U	57	U	58	U	62	U
Pyrene	UG/KG	50000	31586538			530		71	U	18000		100		110		91	
TPH	MG/KG																
Alkanes - Unknown (total)	UG/KG					2550		36		3200		1189		1321		198	

Table 7-4
122E - Semivolatiles and Glycols in Groundwater vs GA Standards
Non-Evaluated EBS Sites

SITE				SEAD-122E		SEAD-122E		SEAD-122E		SEAD-122E	
DESCRIPTION				Deicing Planes		Deicing Planes		Deicing Planes		Deicing Planes	
LOC ID				MW122E-1		MW122E-1		MW122E-2		MW122E-3	
SAMP ID				EB122		EB011		EB123		EB124	
QC CODE				SA		DU		SA		SA	
SAMP DETH TOP				4 1		9 5		2 7		2 8	
SAMP DEPTH BOT				8 8		9 5		12 3		11 6	
MATRIX				GROUNDWATER		GROUNDWATER		GROUNDWATER		GROUNDWATER	
SAMP DATE				8-Mar-98		8-Mar-98		8-Mar-98		8-Mar-98	
PARAMETER	UNIT	NYS CLASS GA	DRINKING WATER	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q
1,2,4-Trichlorobenzene	UG/L	5	194 60		1 U		1 U		1 U		1 U
1,2-Dichlorobenzene	UG/L	4 7	268 16		1 U		1 U		1 U		1 U
1,3-Dichlorobenzene	UG/L	5	3248 50		1 U		1 U		1 U		1 U
1,4-Dichlorobenzene	UG/L	4 7	2 80		1 U		1 U		1 U		1 U
2,4,5-Trichlorophenol	UG/L		3650 00		2 5 U		2 5 U		2 5 U		2 5 U
2,4,6-Trichlorophenol	UG/L		0 97		1 U		1 U		1 U		1 U
2,4-Dichlorophenol	UG/L		109 50		1 U		1 U		1 U		1 U
2,4-Dimethylphenol	UG/L	5	730 00		1 U		1 U		1 U		1 U
2,4-Dinitrophenol	UG/L		73 00		2 5 U		2 5 U		2 5 U		2 5 U
2,4-Dinitrotoluene	UG/L	5	73 00		1 U		1 U		1 U		1 U
2,6-Dinitrotoluene	UG/L	5	36 50		1 U		1 U		1 U		1 U
2-Chloronaphthalene	UG/L				1 U		1 U		1 U		1 U
2-Chlorophenol	UG/L		182 50		1 U		1 U		1 U		1 U
2-Methylnaphthalene	UG/L				1 U		1 U		1 U		1 U
2-Methylphenol	UG/L	5			1 U		1 U		1 U		1 U
2-Nitroaniline	UG/L		0 35		2.5 U		2 5 U		2 5 U		2 5 U
2-Nitrophenol	UG/L				1 U		1 U		1 U		1 U
3,3'-Dichlorobenzidine	UG/L				1 U		1 U		1 U		1 U
3-Nitroaniline	UG/L		109 50		2 5 U		2 5 U		2 5 U		2 5 U
4,6-Dinitro-2-methylphenol	UG/L	5			2 5 U		2 5 U		2 5 U		2 5 U
4-Bromophenyl phenyl ether	UG/L		2117 00		1 U		1 U		1 U		1 U
4-Chloro-3-methylphenol	UG/L				1 U		1 U		1 U		1 U
4-Chloroaniline	UG/L	5	146 00		1 U		1 U		1 U		1 U
4-Chlorophenyl phenyl ether	UG/L				1 U		1 U		1 U		1 U
4-Methylphenol	UG/L	5			1 U		1 U		1 U		1 U
4-Nitroaniline	UG/L	5	109.50		2 5 U		2 5 U		2 5 U		2 5 U
4-Nitrophenol	UG/L		2190 00		2 5 U		2 5 U		2 5 U		2 5 U
Acenaphthene	UG/L				1 U		1 U		1 U		1 U
Acenaphthylene	UG/L				1 U		1 U		1 U		1 U
Anthracene	UG/L		10950 00		1 U		1 U		1 U		1 U
Benzo[a]anthracene	UG/L				1 U		1 U		1 U		1 U
Benzo[a]pyrene	UG/L	10	0 00		1 U		1 U		1 U		1 U
Benzo[b]fluoranthene	UG/L		0 02		1 U		1 U		1 U		1 U
Benzo[ghi]perylene	UG/L				1 U		1 U		1 U		1 U
Benzo[k]fluoranthene	UG/L		0 17		1 U		1 U		1 U		1 U
Bis(2-Chloroethoxy)methane	UG/L				1 U		1 U		1 U		1 U
Bis(2-Chloroethyl)ether	UG/L		0 01		1 U		1 U		1 U		1 U
Bis(2-Chloroisopropyl)ether	UG/L		0 26		1 U		1 U		1 U		1 U
Bis(2-Ethylhexyl)phthalate	UG/L	50			1 2 B		0 19 JB		0 61 JB		0 21 JB
Butylbenzylphthalate	UG/L		7300 00		1 U		1 U		1 U		1 U
Carbazole	UG/L		3 36		1 U		1 U		1 U		1 U
Chrysene	UG/L		1 68		1 U		1 U		1 U		1 U
Di-n-butylphthalate	UG/L	50			1 U		1 U		1 U		1 U
Di-n-octylphthalate	UG/L		730 00		1 U		1 U		1 U		1 U
Dibenz[a,h]anthracene	UG/L				1 U		1 U		1 U		1 U
Dibenzofuran	UG/L		146 00		1 U		1 U		1 U		1 U
Diethyl phthalate	UG/L		29200 00		1 U		1 U		1 U		1 U
Dimethylphthalate	UG/L		365000 00		1 U		1 U		1 U		1 U
Ethylene Glycol	MG/L		73000 00		50 U		50 U		50 U		50 U
Fluoranthene	UG/L		1460 00		1 U		1 U		0 26 J		1 U
Fluorene	UG/L		1460 00		1 U		1 U		1 U		1 U
Hexachlorobenzene	UG/L	0 35	0 01		1 U		1 U		1 U		1 U
Hexachlorobutadiene	UG/L		0 14		1 U		1 U		0 31 J		1 U
Hexachlorocyclopentadiene	UG/L		0 15		1 U		1 U		1 U		1 U
Hexachloroethane	UG/L		0 75		1 U		1 U		1 U		1 U
Indeno[1,2,3-cd]pyrene	UG/L		0 02		1 U		1 U		1 U		1 U
Isophorone	UG/L				1 U		1 U		1 U		1 U
N-Nitrosodiphenylamine	UG/L		13 72		1 U		1 U		1 U		1 U
N-Nitrosodipropylamine	UG/L				1 U		1 U		1 U		1 U
Naphthalene	UG/L		1460 00		1 U		1 U		1 U		1 U
Nitrobenzene	UG/L		3 39		1 U		1 U		1 U		1 U
Pentachlorophenol	UG/L	1	0 56	I	2 5 U		2 5 U		2 5 U		2 5 U
Phenanthrene	UG/L				1 U		1 U		0 16 J		1 U
Phenol	UG/L	1	21900 00		1 U		1 U		1 U		1 U
Propylene Glycol	MG/L				50 U		50 U		50 U		50 U
Pyrene	UG/L		1095 00		1 U		1 U		0 23 J		1 U
Alkanes - Unknown (total)	UG/L				1 2 J				0 51 J		2 J

Table 7-5
122E - Semivolatiles and Glycols in Groundwater vs DW Standards
Non-Evaluated EBS Sites

SITE				SEAD-122E		SEAD-122E		SEAD-122E		SEAD-122E	
DESCRIPTION				Deicing Planes		Deicing Planes		Deicing Planes		Deicing Planes	
LOC ID				MW122E-1		MW122E-1		MW122E-2		MW122E-3	
SAMP ID				EB122		EB011		EB123		EB124	
QC CODE				SA		DU		SA		SA	
SAMP DETH TOP				4 1		8 5		2 7		2 8	
SAMP DEPTH BOT				8 8		9 5		12 3		11 6	
MATRIX				GROUNDWATER		GROUNDWATER		GROUNDWATER		GROUNDWATER	
SAMP DATE				8-Mar-98		8-Mar-98		8-Mar-98		8-Mar-98	
PARAMETER	UNIT	NYS CLASS GA	DRINKING WATER	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q
1,2,4-Trichlorobenzene	UG/L	5	194 60	1	U	1	U	1	U	1	U
1,2-Dichlorobenzene	UG/L	4.7	268 16	1	U	1	U	1	U	1	U
1,3-Dichlorobenzene	UG/L	5	3248 50	1	U	1	U	1	U	1	U
1,4-Dichlorobenzene	UG/L	4 7	2 80	1	U	1	U	1	U	1	U
2,4,5-Trichlorophenol	UG/L		3650 00	2 5	U	2 5	U	2 5	U	2 5	U
2,4,6-Trichlorophenol	UG/L		0 97	1	U	1	U	1	U	1	U
2,4-Dichlorophenol	UG/L		109 50	1	U	1	U	1	U	1	U
2,4-Dimethylphenol	UG/L	5	730 00	1	U	1	U	1	U	1	U
2,4-Dinitrophenol	UG/L		73 00	2 5	U	2 5	U	2 5	U	2 5	U
2,4-Dinitrotoluene	UG/L	5	73 00	1	U	1	U	1	U	1	U
2,6-Dinitrotoluene	UG/L	5	36 50	1	U	1	U	1	U	1	U
2-Chloronaphthalene	UG/L			1	U	1	U	1	U	1	U
2-Chlorophenol	UG/L		182 50	1	U	1	U	1	U	1	U
2-Methylnaphthalene	UG/L			1	U	1	U	1	U	1	U
2-Methylphenol	UG/L	5		1	U	1	U	1	U	1	U
2-Nitroaniline	UG/L		0 35	2 5	U	2 5	U	2 5	U	2 5	U
2-Nitrophenol	UG/L			1	U	1	U	1	U	1	U
3,3'-Dichlorobenzidine	UG/L			1	U	1	U	1	U	1	U
3-Nitroaniline	UG/L		109 50	2 5	U	2 5	U	2 5	U	2 5	U
4,6-Dinitro-2-methylphenol	UG/L	5		2 5	U	2 5	U	2 5	U	2 5	U
4-Bromophenyl phenyl ether	UG/L		2117 00	1	U	1	U	1	U	1	U
4-Chloro-3-methylphenol	UG/L			1	U	1	U	1	U	1	U
4-Chloroaniline	UG/L	5	146 00	1	U	1	U	1	U	1	U
4-Chlorophenyl phenyl ether	UG/L			1	U	1	U	1	U	1	U
4-Methylphenol	UG/L	5		1	U	1	U	1	U	1	U
4-Nitroaniline	UG/L	5	109 50	2 5	U	2 5	U	2 5	U	2 5	U
4-Nitrophenol	UG/L		2190 00	2 5	U	2 5	U	2 5	U	2 5	U
Acenaphthene	UG/L			1	U	1	U	1	U	1	U
Acenaphthylene	UG/L			1	U	1	U	1	U	1	U
Anthracene	UG/L		10950 00	1	U	1	U	1	U	1	U
Benzo[a]anthracene	UG/L			1	U	1	U	1	U	1	U
Benzo[a]pyrene	UG/L	10	0 00	1	U	1	U	1	U	1	U
Benzo[b]fluoranthene	UG/L		0 02	1	U	1	U	1	U	1	U
Benzo[ghi]perylene	UG/L			1	U	1	U	1	U	1	U
Benzo[k]fluoranthene	UG/L		0 17	1	U	1	U	1	U	1	U
Bis(2-Chloroethoxy)methane	UG/L			1	U	1	U	1	U	1	U
Bis(2-Chloroethyl)ether	UG/L		0 01	1	U	1	U	1	U	1	U
Bis(2-Chloroisopropyl)ether	UG/L		0 26	1	U	1	U	1	U	1	U
Bis(2-Ethylhexyl)phthalate	UG/L	50		1 2	B	0.19	JB	0 61	JB	0 21	JB
Butylbenzylphthalate	UG/L		7300 00	1	U	1	U	1	U	1	U
Carbazole	UG/L		3 36	1	U	1	U	1	U	1	U
Chrysene	UG/L		1 68	1	U	1	U	1	U	1	U
Di-n-butylphthalate	UG/L	50		1	U	1	U	1	U	1	U
Di-n-octylphthalate	UG/L		730 00	1	U	1	U	1	U	1	U
Dibenz[a,h]anthracene	UG/L			1	U	1	U	1	U	1	U
Dibenzofuran	UG/L		146 00	1	U	1	U	1	U	1	U
Diethyl phthalate	UG/L		29200 00	1	U	1	U	1	U	1	U
Dimethylphthalate	UG/L		365000 00	1	U	1	U	1	U	1	U
Ethylene Glycol	MG/L		73000 00	50	U	50	U	50	U	50	U
Fluoranthene	UG/L		1460 00	1	U	1	U	0.26	J	1	U
Fluorene	UG/L		1460 00	1	U	1	U	1	U	1	U
Hexachlorobenzene	UG/L	0 35	0 01	1	U	1	U	1	U	1	U
Hexachlorobutadiene	UG/L		0 14	1	U	1	U	0.31	J	1	U
Hexachlorocyclopentadiene	UG/L		0 15	1	U	1	U	1	U	1	U
Hexachloroethane	UG/L		0 75	1	U	1	U	1	U	1	U
Indeno[1,2,3-cd]pyrene	UG/L		0 02	1	U	1	U	1	U	1	U
Isophorone	UG/L			1	U	1	U	1	U	1	U
N-Nitrosodiphenylamine	UG/L		13 72	1	U	1	U	1	U	1	U
N-Nitrosodipropylamine	UG/L			1	U	1	U	1	U	1	U
Naphthalene	UG/L		1460 00	1	U	1	U	1	U	1	U
Nitrobenzene	UG/L		3 39	1	U	1	U	1	U	1	U
Pentachlorophenol	UG/L	1	0 56	2 5	U	2 5	U	2.5	U	2 5	U
Phenanthrene	UG/L			1	U	1	U	0 16	J	1	U
Phenol	UG/L	1	21900 00	1	U	1	U	1	U	1	U
Propylene Glycol	MG/L			50	U	50	U	50	U	50	U
Pyrene	UG/L		1095 00	1	U	1	U	0 23	J	1	U
Alkanes - Unknown (total)	UG/L			1 2	J			0.51	J	2	J

SEAD-123B

Building 716 and 717 Petroleum Releases

Table 9-1

Sample Collection Information
SEAD-123B - Building 716 and 717 Petroleum Releases

12 Priority EBS Non-Evaluated Sites
Seneca Army Depot Activity

MATRIX	LOCATION ID	SAMPLE ID	SAMPLE DATE	TOP (feet)	BOTTOM (feet)	QC CODE	RATIONALE FOR SAMPLE LOCATION
SURFACE SOIL	SS123B-1	EB139	3/9/98	0.0	0.2	SA	Location is next to building beneath "T" junction of 3-in. steel pipe that runs from the pump house to the filling station. Nearby valves showed signs of past leakage.
SURFACE SOIL	SS123B-2	EB140	3/9/98	0.0	0.2	SA	Location is on south side of asphalt entrance way in low area that is downgradient of filling station. Downgradient location based on surface water flow patterns established by using a bucket filled with water.
SURFACE SOIL	SS123B-3	EB141	3/9/98	0.0	0.2	SA	Location is 20 ft. south of the filling station area in an area that showed signs of stressed vegetation.
SOIL	SB123B-1	EB242	3/11/98	0.0	0.2	SA	Location is on south side of asphalt entrance way in low area that is downgradient of filling station. Downgradient location based on surface water flow patterns established by using a bucket filled with water.
SOIL	SB123B-1	EB245	3/11/98	2.6	2.9	SA	Same location ID as above Approx. mid-depth (near water table) sample chosen in bore hole because no VOC hits or other indications of impacts to soils.
SOIL	SB123B-2	EB246	3/11/98	0.0	0.2	SA	Location is on south side of asphalt entrance way in low area that is downgradient of filling station. Downgradient location based on surface water flow patterns established by using a bucket filled with water.
SOIL	SB123B-2	EB243	3/11/98	3.2	3.5	SA	Same location ID as above. Approx. mid-depth sample chosen in bore hole (near water table) because no VOC hits or other indications of impacts to soils.

Table 9-1

Sample Collection Information
SEAD-123B - Building 716 and 717 Petroleum Releases

12 Priority EBS Non-Evaluated Sites
Seneca Army Depot Activity

MATRIX	LOCATION ID	SAMPLE ID	SAMPLE DATE	TOP (feet)	BOTTOM (feet)	QC CODE	RATIONALE FOR SAMPLE LOCATION
SOIL	SB123B-3	EB244	3/11/98	0.0	0.2	SA	Location is a potential run-off area (i.e., low spot) north of the filling station. Pooled water nearby. Surface soil sample.
SOIL	SB123B-3	EB247	3/11/98	2.6	2.9	SA	Same location ID as above. Approx. mid-depth (near water table) sample chosen in bore hole because no VOC hits or other indications of impacts to soils.
SEDIMENT	SD123B-1	EB137	3/9/98	0.0	0.2	SA	Location in drainage ditch 1 ft downsteam of outfall pipe from Tank 188.
SEDIMENT	SD123B-2	EB138	3/9/98	0.0	0.2	SA	Location in drainage ditch 11 ft downsteam of outfall pipe from Tank 188.
SOIL	SS123B-1	EB016	3/9/98	0.0	0.2	DU	Not Applicable
WATER	SS123B-1	EB017	3/9/98	0.0	0.0	RB	Not Applicable

Notes:
SA – Sample
DU = Duplicate
RB = Rinse Blank

Table 9-2
123B - Volatiles in Soils vs TAGMs
Non-Evaluated EBS Sites

SITE:				SEAD-123B		SEAD-123B		SEAD-123B		SEAD-123B		SEAD-123B		SEAD-123B		SEAD-123	
DESCRIPTION:				Bldg. 716 and 717 Petroleum Releases		Bldg. 716 and 717 Petroleum Releases		Bldg. 716 and 717 Petroleum Releases		Bldg. 716 and 717 Petroleum Releases		Bldg. 716 and 717 Petroleum Releases		Bldg. 716 and 717 Petroleum Releases		Bldg. 716 and 717 Petroleum Releases	
LOC ID:				SB123B-1		SB123B-1		SB123B-2		SB123B-2		SB123B-3		SB123B-3		SS123B-1	
SAMP ID:				EB242		EB245		EB246		EB243		EB244		EB247		EB016	
QC CODE:				SA		SA		SA		SA		SA		SA		DU	
SAMP. DETH TOP:				0		2.6		0		3.2		0		2.6		0	
SAMP. DEPTH BOT:				0.2		2.9		0.2		3.5		0.2		2.9		0.2	
MATRIX:				SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
SAMP. DATE:				11-Mar-98		11-Mar-98		11-Mar-98		11-Mar-98		11-Mar-98		11-Mar-98		9-Mar-98	
PARAMETER	UNIT	TAGM	PRG-RES	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q
1,1,1-Trichloroethane	UG/KG	800	2737500	11	U	12	U	14	U	11	U	12	U	12	U	13	U
1,1,2,2-Tetrachloroethane	UG/KG	600	31938	11	U	12	U	14	U	11	U	12	U	12	U	13	U
1,1,2-Trichloroethane	UG/KG		11206	11	U	12	U	14	U	11	U	12	U	12	U	13	U
1,1-Dichloroethane	UG/KG	200	7821429	11	U	12	U	14	U	11	U	12	U	12	U	13	U
1,1-Dichloroethene	UG/KG	400	1065	11	U	12	U	14	U	11	U	12	U	12	U	13	U
1,2-Dichloroethane	UG/KG	100	7821429	11	U	12	U	14	U	11	U	12	U	12	U	13	U
1,2-Dichloroethene (total)	UG/KG			11	U	12	U	14	U	11	U	12	U	12	U	13	U
1,2-Dichloropropane	UG/KG		9393	11	U	12	U	14	U	11	U	12	U	12	U	13	U
Acetone	UG/KG	200	7821429	11	U	7	J	140		11	U	12	U	12	U	13	U
Benzene	UG/KG	60	22026	11	U	12	U	14	U	11	U	12	U	12	U	13	U
Bromodichloromethane	UG/KG		10302	11	U	12	U	14	U	11	U	12	U	12	U	13	U
Bromoform	UG/KG		80854	11	U	12	U	14	U	11	U	12	U	12	U	13	U
Carbon disulfide	UG/KG	2700	7821429	11	U	12	U	14	U	11	U	12	U	12	U	13	U
Carbon tetrachloride	UG/KG	600	4913	11	U	12	U	14	U	11	U	12	U	12	U	13	U
Chlorobenzene	UG/KG	1700	1564286	11	U	12	U	14	U	11	U	12	U	12	U	13	U
Chlorodibromomethane	UG/KG		7604	11	U	12	U	14	U	11	U	12	U	12	U	13	U
Chloroethane	UG/KG	1900	31285714	11	U	12	U	14	U	11	U	12	U	12	U	13	U
Chloroform	UG/KG	300	104713	11	U	12	U	14	U	11	U	12	U	12	U	13	U
Cis-1,3-Dichloropropene	UG/KG			11	U	12	U	14	U	11	U	12	U	12	U	13	U
Ethyl benzene	UG/KG	5500	7821429	11	U	12	U	14	U	11	U	12	U	12	U	13	U
Methyl bromide	UG/KG		111846	11	U	12	U	14	U	11	U	12	U	12	U	13	U
Methyl butyl ketone	UG/KG			11	U	12	U	14	U	11	U	12	U	12	U	13	U
Methyl chloride	UG/KG		49135	11	U	12	U	14	U	11	U	12	U	12	U	13	U
Methyl ethyl ketone	UG/KG	300		11	U	12	U	14	U	11	U	12	U	12	U	13	U
Methyl isobutyl ketone	UG/KG	1000	6257143	11	U	12	U	14	U	11	U	12	U	12	U	13	U
Methylene chloride	UG/KG	100	85167	11	U	12	U	14	U	11	U	12	U	12	U	13	U
Styrene	UG/KG			11	U	12	U	14	U	11	U	12	U	12	U	13	U
Tetrachloroethene	UG/KG	1400	12284	11	U	10	J	14	U	11	U	12	U	12	U	13	U
Toluene	UG/KG	1500	15642857	8	J	12	U	14	U	3	J	3	J	12	U	13	U
Total Xylenes	UG/KG	1200		11	U	12	U	14	U	11	U	12	U	12	U	13	U
Trans-1,3-Dichloropropene	UG/KG			11	U	12	U	14	U	11	U	12	U	12	U	13	U
Trichloroethene	UG/KG	700	58068	11	U	12	U	14	U	11	U	12	U	12	U	13	U
Vinyl chloride	UG/KG	200	336	11	U	12	U	14	U	11	U	12	U	12	U	13	U

Table 9-2
123B - Volatiles in Soils vs TAGMs
Non-Evaluated EBS Sites

SITE:				SEAD-123B		SEAD-123B		SEAD-123B
DESCRIPTION:				Bldg. 716 and 717 Petroleum Releases		Bldg. 716 and 717 Petroleum Releases		Bldg. 716 and 717 Petroleum Releases
LOC ID:				SS123B-1		SS123B-2		SS123B-3
SAMP ID:				EB139		EB140		EB141
QC CODE:				SA		SA		SA
SAMP. DETH TOP:				0		0		0
SAMP. DEPTH BOT:				0.2		0.2		0.2
MATRIX:				SOIL		SOIL		SOIL
SAMP. DATE:				9-Mar-98		9-Mar-98		9-Mar-98
PARAMETER	UNIT	TAGM	PRG-RES	VALUE	Q	VALUE	Q	VALUE	Q
1,1,1-Trichloroethane	UG/KG	800	2737500	13	U	11	U	12	U
1,1,2,2-Tetrachloroethane	UG/KG	600	31938	13	U	11	U	12	U
1,1,2-Trichloroethane	UG/KG		11206	13	U	11	U	12	U
1,1-Dichloroethane	UG/KG	200	7821429	13	U	11	U	12	U
1,1-Dichloroethene	UG/KG	400	1065	13	U	11	U	12	U
1,2-Dichloroethane	UG/KG	100	7821429	13	U	11	U	12	U
1,2-Dichloroethene (total)	UG/KG			13	U	11	U	12	U
1,2-Dichloropropane	UG/KG		9393	13	U	11	U	12	U
Acetone	UG/KG	200	7821429	6	J	11	U	12	U
Benzene	UG/KG	60	22026	13	U	11	U	12	U
Bromodichloromethane	UG/KG		10302	13	U	11	U	12	U
Bromoform	UG/KG		80854	13	U	11	U	12	U
Carbon disulfide	UG/KG	2700	7821429	13	U	11	U	12	U
Carbon tetrachloride	UG/KG	600	4913	13	U	11	U	12	U
Chlorobenzene	UG/KG	1700	1564286	13	U	11	U	12	U
Chlorodibromomethane	UG/KG		7604	13	U	11	U	12	U
Chloroethane	UG/KG	1900	31285714	13	U	11	U	12	U
Chloroform	UG/KG	300	104713	13	U	11	U	12	U
Cis-1,3-Dichloropropene	UG/KG			13	U	11	U	12	U
Ethyl benzene	UG/KG	5500	7821429	13	U	11	U	12	U
Methyl bromide	UG/KG		111846	13	U	11	U	12	U
Methyl butyl ketone	UG/KG			13	U	11	U	12	U
Methyl chloride	UG/KG		49135	13	U	11	U	12	U
Methyl ethyl ketone	UG/KG	300		13	U	11	U	12	U
Methyl isobutyl ketone	UG/KG	1000	6257143	13	U	11	U	12	U
Methylene chloride	UG/KG	100	85167	13	U	11	U	12	U
Styrene	UG/KG			13	U	11	U	12	U
Tetrachloroethene	UG/KG	1400	12284	13	U	11	U	12	U
Toluene	UG/KG	1500	15642857	3	J	14		3	J
Total Xylenes	UG/KG	1200		13	U	11	U	12	U
Trans-1,3-Dichloropropene	UG/KG			13	U	11	U	12	U
Trichloroethene	UG/KG	700	58068	13	U	11	U	12	U
Vinyl chloride	UG/KG	200	336	13	U	11	U	12	U

Table 9-3
123B - Volatiles in Soils vs PRG-RES
Non-Evaluated EBS Sites

SITE:				SEAD-123B		SEAD-123B		SEAD-123B		SEAD-123B		SEAD-123B		SEAD-123B		SEAD-123B	
DESCRIPTION:				Bldg. 716 and 717 Petroleum Releases		Bldg. 716 and 717 Petroleum Releases		Bldg. 716 and 717 Petroleum Releases		Bldg. 716 and 717 Petroleum Releases		Bldg. 716 and 717 Petroleum Releases		Bldg. 716 and 717 Petroleum Releases		Bldg. 716 and 717 Petroleum Releases	
LOC ID:				SB123B-1		SB123B-1		SB123B-2		SB123B-2		SB123B-3		SB123B-3		SS123B-1	
SAMP ID:				EB242		EB245		EB246		EB243		EB244		EB247		EB016	
QC CODE:				SA		SA		SA		SA		SA		SA		DU	
SAMP. DETH TOP:				0		2.6		0		3.2		0		2.6		0	
SAMP. DEPTH BOT:				0.2		2.9		0.2		3.5		0.2		2.9		0.2	
MATRIX:				SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
SAMP. DATE:				11-Mar-98		11-Mar-98		11-Mar-98		11-Mar-98		11-Mar-98		11-Mar-98		9-Mar-98	
PARAMETER	UNIT	TAGM	PRG-RES	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	
1,1,1-Trichloroethane	UG/KG	800	2737500	11	U	12	U	14	U	11	U	12	U	12	U	13	
1,1,2,2-Tetrachloroethane	UG/KG	600	31938	11	U	12	U	14	U	11	U	12	U	12	U	13	
1,1,2-Trichloroethane	UG/KG		11206	11	U	12	U	14	U	11	U	12	U	12	U	13	
1,1-Dichloroethane	UG/KG	200	7821429	11	U	12	U	14	U	11	U	12	U	12	U	13	
1,1-Dichloroethene	UG/KG	400	1065	11	U	12	U	14	U	11	U	12	U	12	U	13	
1,2-Dichloroethane	UG/KG	100	7821429	11	U	12	U	14	U	11	U	12	U	12	U	13	
1,2-Dichloroethene (total)	UG/KG			11	U	12	U	14	U	11	U	12	U	12	U	13	
1,2-Dichloropropane	UG/KG		9393	11	U	12	U	14	U	11	U	12	U	12	U	13	
Acetone	UG/KG	200	7821429	11	U	7	J	140		11	U	12	U	12	U	13	
Benzene	UG/KG	60	22026	11	U	12	U	14	U	11	U	12	U	12	U	13	
Bromodichloromethane	UG/KG		10302	11	U	12	U	14	U	11	U	12	U	12	U	13	
Bromoform	UG/KG		80854	11	U	12	U	14	U	11	U	12	U	12	U	13	
Carbon disulfide	UG/KG	2700	7821429	11	U	12	U	14	U	11	U	12	U	12	U	13	
Carbon tetrachloride	UG/KG	600	4913	11	U	12	U	14	U	11	U	12	U	12	U	13	
Chlorobenzene	UG/KG	1700	1564286	11	U	12	U	14	U	11	U	12	U	12	U	13	
Chlorodibromomethane	UG/KG		7604	11	U	12	U	14	U	11	U	12	U	12	U	13	
Chloroethane	UG/KG	1900	31285714	11	U	12	U	14	U	11	U	12	U	12	U	13	
Chloroform	UG/KG	300	104713	11	U	12	U	14	U	11	U	12	U	12	U	13	
Cis-1,3-Dichloropropene	UG/KG			11	U	12	U	14	U	11	U	12	U	12	U	13	
Ethyl benzene	UG/KG	5500	7821429	11	U	12	U	14	U	11	U	12	U	12	U	13	
Methyl bromide	UG/KG		111846	11	U	12	U	14	U	11	U	12	U	12	U	13	
Methyl butyl ketone	UG/KG			11	U	12	U	14	U	11	U	12	U	12	U	13	
Methyl chloride	UG/KG		49135	11	U	12	U	14	U	11	U	12	U	12	U	13	
Methyl ethyl ketone	UG/KG	300		11	U	12	U	14	U	11	U	12	U	12	U	13	
Methyl isobutyl ketone	UG/KG	1000	6257143	11	U	12	U	14	U	11	U	12	U	12	U	13	
Methylene chloride	UG/KG	100	85167	11	U	12	U	14	U	11	U	12	U	12	U	13	
Styrene	UG/KG			11	U	12	U	14	U	11	U	12	U	12	U	13	
Tetrachloroethene	UG/KG	1400	12284	11	U	10	J	14	U	11	U	12	U	12	U	13	
Toluene	UG/KG	1500	15642857	8	J	12	U	14	U	3	J	3	J	12	U	13	
Total Xylenes	UG/KG	1200		11	U	12	U	14	U	11	U	12	U	12	U	13	
Trans-1,3-Dichloropropene	UG/KG			11	U	12	U	14	U	11	U	12	U	12	U	13	
Trichloroethene	UG/KG	700	58068	11	U	12	U	14	U	11	U	12	U	12	U	13	
Vinyl chloride	UG/KG	200	336	11	U	12	U	14	U	11	U	12	U	12	U	13	

Table 9-3
123B - Volatiles in Soils vs PRG-RES
Non-Evaluated EBS Sites

SITE:					SEAD-123B		SEAD-123B		SEAD-123B	
DESCRIPTION:					Bldg. 716 and 717 Petroleum Releases		Bldg. 716 and 717 Petroleum Releases		Bldg. 716 and 717 Petroleum Releases	
LOC ID:					SS123B-1		SS123B-2		SS123B-3	
SAMP ID:					EB139		EB140		EB141	
QC CODE:					SA		SA		SA	
SAMP. DETH TOP:					0		0		0	
SAMP. DEPTH BOT:					0.2		0.2		0.2	
MATRIX:					SOIL		SOIL		SOIL	
SAMP. DATE:					9-Mar-98		9-Mar-98		9-Mar-98	
PARAMETER	UNIT	TAGM	PRG-RES	Q	VALUE	Q	VALUE	Q	VALUE	Q
1,1,1-Trichloroethane	UG/KG	800	2737500	U	13	U	11	U	12	U
1,1,2,2-Tetrachloroethane	UG/KG	600	31938	U	13	U	11	U	12	U
1,1,2-Trichloroethane	UG/KG		11206	U	13	U	11	U	12	U
1,1-Dichloroethane	UG/KG	200	7821429	U	13	U	11	U	12	U
1,1-Dichloroethene	UG/KG	400	1065	U	13	U	11	U	12	U
1,2-Dichloroethane	UG/KG	100	7821429	U	13	U	11	U	12	U
1,2-Dichloroethene (total)	UG/KG			U	13	U	11	U	12	U
1,2-Dichloropropane	UG/KG		9393	U	13	U	11	U	12	U
Acetone	UG/KG	200	7821429	U	6	J	11	U	12	U
Benzene	UG/KG	60	22026	U	13	U	11	U	12	U
Bromodichloromethane	UG/KG		10302	U	13	U	11	U	12	U
Bromoform	UG/KG		80854	U	13	U	11	U	12	U
Carbon disulfide	UG/KG	2700	7821429	U	13	U	11	U	12	U
Carbon tetrachloride	UG/KG	600	4913	U	13	U	11	U	12	U
Chlorobenzene	UG/KG	1700	1564286	U	13	U	11	U	12	U
Chlorodibromomethane	UG/KG		7604	U	13	U	11	U	12	U
Chloroethane	UG/KG	1900	31285714	U	13	U	11	U	12	U
Chloroform	UG/KG	300	104713	U	13	U	11	U	12	U
Cis-1,3-Dichloropropene	UG/KG			U	13	U	11	U	12	U
Ethyl benzene	UG/KG	5500	7821429	U	13	U	11	U	12	U
Methyl bromide	UG/KG		111846	U	13	U	11	U	12	U
Methyl butyl ketone	UG/KG			U	13	U	11	U	12	U
Methyl chloride	UG/KG		49135	U	13	U	11	U	12	U
Methyl ethyl ketone	UG/KG	300		U	13	U	11	U	12	U
Methyl isobutyl ketone	UG/KG	1000	6257143	U	13	U	11	U	12	U
Methylene chloride	UG/KG	100	85167	U	13	U	11	U	12	U
Styrene	UG/KG			U	13	U	11	U	12	U
Tetrachloroethene	UG/KG	1400	12284	U	13	U	11	U	12	U
Toluene	UG/KG	1500	15642857	U	3	J	14		3	J
Total Xylenes	UG/KG	1200		U	13	U	11	U	12	U
Trans-1,3-Dichloropropene	UG/KG			U	13	U	11	U	12	U
Trichloroethene	UG/KG	700	58068	U	13	U	11	U	12	U
Vinyl chloride	UG/KG	200	336	U	13	U	11	U	12	U

Table 9-4
123B - Semivolatiles/TPH in Soil vs TAGMs
Non-Evaluated EBS Sites

SITE				SEAD-123B		SEAD-123B		SEAD-123B		SEAD-123B		SEAD-123B		SEAD-123B		SEAD-123B		SEAD-123B		SEAD-123B	
DESCRIPTION				Bldg 716 and 717 Petroleum Releases		Bldg 716 and 717 Petroleum Releases		Bldg 716 and 717 Petroleu Releases		Bldg 716 and 717 Petroleum Releases		Bldg 716 and 717 Petroleum Releases		Bldg 716 and 717 Petroleum Releases		Bldg 716 and 717 Petroleu Releases		Bldg 716 and 717 Petroleum Releases		Bldg 716 and 717 Petroleum Releases	
LOC ID				SB123B-1		SB123B-1		SB123B-2		SB123B-2		SB123B-3		SB123B-3		SS123B-1		SS123B-1		SS123B-2		SS123B-3	
SAMP ID				EB242		EB245		EB246		EB243		EB244		EB247		EB016		EB139		EB140		EB141	
QC CODE				SA		SA		SA		SA		SA		SA		DU		SA		SA		SA	
SAMP DETH TOP				0		2 6		0		3 2		0		2 6		0		0		0		0	
SAMP DEPTH BOT				0 2		2 9		0 2		3 5		0 2		2 9		0 2		0 2		0 2		0 2	
MATRIX				SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
SAMP DATE				11-Mar-98		11-Mar-98		11-Mar-98		11-Mar-98		11-Mar-98		11-Mar-98		9-Mar-98		9-Mar-98		9-Mar-98		9-Mar-98	
PARAMETER	UNIT	TAGM	PRG-RES	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q
1,2,4-Trichlorobenzene	UG/KG	3400	782143	72	U	73	U	82	U	75	U	71	U	85	U	3800	U	3900	U	74	U	80	U
1,2-Dichlorobenzene	UG/KG	7900	7039286	72	U	73	U	82	U	75	U	71	U	85	U	3800	U	3900	U	74	U	80	U
1,3-Dichlorobenzene	UG/KG	1600	6961071	72	U	73	U	82	U	75	U	71	U	85	U	3800	U	3900	U	74	U	80	U
1,4-Dichlorobenzene	UG/KG	8500	26615	72	U	73	U	82	U	75	U	71	U	85	U	3800	U	3900	U	74	U	80	U
2,4,5-Trichlorophenol	UG/KG	100	7821429	170	U	180	U	200	U	180	U	170	U	200	U	9300	U	9400	U	180	U	190	U
2,4,6-Trichlorophenol	UG/KG		58068	72	U	73	U	82	U	75	U	71	U	85	U	3800	U	3900	U	74	U	80	U
2,4 Dichlorophenol	UG/KG	400	234643	72	U	73	U	82	U	75	U	71	U	85	U	3800	U	3900	U	74	U	80	U
2,4-Dimethylphenol	UG/KG		1564286	72	U	73	U	82	U	75	U	71	U	85	U	3800	U	3900	U	74	U	80	U
2,4-Dinitrophenol	UG/KG	200	156429	170	U	180	U	200	U	180	U	170	U	200	U	9300	U	9400	U	180	U	190	U
2,4-Dinitrotoluene	UG/KG		156429	72	U	73	U	82	U	75	U	71	U	85	U	3800	U	3900	U	74	U	80	U
2,6-Dinitrotoluene	UG/KG	1000	78214	72	U	73	U	82	U	75	U	71	U	85	U	3800	U	3900	U	74	U	80	U
2-Chloronaphthalene	UG/KG			72	U	73	U	82	U	75	U	71	U	85	U	3800	U	3900	U	74	U	80	U
2-Chlorophenol	UG/KG	800	391071	72	U	73	U	82	U	75	U	71	U	85	U	3800	U	3900	U	74	U	80	U
2-Methylnaphthalene	UG/KG	36400		4 5	J	73	U	82	U	75	U	71	U	85	U	3800	U	3900	U	4 9	J	80	U
2-Methylphenol	UG/KG	100	3910714	72	U	73	U	82	U	75	U	71	U	85	U	3800	U	3900	U	74	U	80	U
2-Nitroaniline	UG/KG	430	4693	170	U	180	U	200	U	180	U	170	U	200	U	9300	U	9400	U	180	U	190	U
2-Nitrophenol	UG/KG	330		72	U	73	U	82	U	75	U	71	U	85	U	3800	U	3900	U	74	U	80	U
3,3 -Dichlorobenzidine	UG/KG		1419	72	U	73	U	82	U	75	U	71	U	85	U	3800	U	3900	U	74	U	80	U
3-Nitroaniline	UG/KG	500	234643	170	U	180	U	200	U	180	U	170	U	200	U	9300	U	9400	U	180	U	190	U
4 6-Dinitro-2-methylphenol	UG/KG			170	U	180	U	200	U	180	U	170	U	200	U	9300	U	9400	U	180	U	190	U
4-Bromophenyl phenyl ether	UG/KG		4536429	72	U	73	U	82	U	75	U	71	U	85	U	3800	U	3900	U	74	U	80	U
4-Chloro-3-methylphenol	UG/KG	240		72	U	73	U	82	U	75	U	71	U	85	U	3800	U	3900	U	74	U	80	U
4-Chloroaniline	UG/KG	220	312857	72	U	73	U	82	U	75	U	71	U	85	U	3800	U	3900	U	74	U	80	U
4-Chlorophenyl phenyl ether	UG/KG			72	U	73	U	82	U	75	U	71	U	85	U	3800	U	3900	U	74	U	80	U
4-Methylphenol	UG/KG	900		72	U	73	U	82	U	75	U	71	U	85	U	3800	U	3900	U	74	U	80	U
4-Nitroaniline	UG/KG		234643	170	U	180	U	200	U	180	U	170	U	200	U	9300	U	9400	U	180	U	190	U
4-Nitrophenol	UG/KG	100	4692857	170	U	180	U	200	U	180	U	170	U	200	U	9300	U	9400	U	180	U	190	U
Acenaphthene	UG/KG	50000		72	U	73	U	82	U	75	U	71	U	85	U	3800	U	3900	U	74	U	80	U
Acenaphthylene	UG/KG	41000		72	U	73	U	82	U	75	U	71	U	85	U	3800	U	3900	U	74	U	80	U
Anthracene	UG/KG	50000	23464286	72	U	73	U	82	U	75	U	71	U	85	U	3800	U	3900	U	74	U	80	U
Benzo[a]anthracene	UG/KG	224	875	8 7	J	73	U	82	U	75	U	18	J	85	U	3800	U	3900	U	4 9	J	5 4	J
Benzo[a]pyrene	UG/KG	61	88	9 7	J	3 8	J	82	U	7	J	19	J	85	U	3800	U	3900	U	74	U	80	U
Benzo[b]fluoranthene	UG/KG	1100	875	23	JY	4 3	J	82	U	75	U	29	J	85	U	3800	U	3900	U	12	JY	12	JY
Benzo[ghi]perylene	UG/KG	50000		12	J	73	U	82	U	9 9	J	18	J	85	U	3800	U	3900	U	12	J	80	U
Benzo[k]fluoranthene	UG/KG	1100	8750	72	U	5 4	J	82	U	75	U	23	J	85	U	3800	U	3900	U	74	U	80	U
Bis(2-Chloroethoxy)methane	UG/KG			72	U	73	U	82	U	75	U	71	U	85	U	3800	U	3900	U	74	U	80	U
Bis(2-Chloroethyl)ether	UG/KG		581	72	U	73	U	82	U	75	U	71	U	85	U	3800	U	3900	U	74	U	80	U
Bis(2-Chloroisopropyl)ether	UG/KG		9125	72	U	73	U	82	U	75	U	71	U	85	U	3800	U	3900	U	74	U	80	U
Bis(2-Ethylhexyl)phthalate	UG/KG	50000	45625	68	J	9 4	J	82	U	12	J	14	J	31	J	3800	U	3900	U	14	BJ	11	BJ
Butylbenzylphthalate	UG/KG	50000	15642857	72	U	7 5	JB	9 7	JB	9 6	JB	13	JB	10	JB	3800	U	3900	U	5 4	J	80	U
Carbazole	UG/KG		31938	72	U	73	U	82	U	75	U	7 5	J	85	U	3800	U	3900	U	74	U	80	U
Chrysene	UG/KG	400	87500	12	J	3 7	J	82	U	4 8	J	26	J	85	U	3800	U	3900	U	12	J	8 7	J
Di-n-butylphthalate	UG/KG	8100		72	U	73	U	82	U	75	U	71	U	85	U	3800	U	3900	U	74	U	80	U
Di-n-octylphthalate	UG/KG	50000	1564286	9 5	J	5 2	J	82	U	75	U	71	U	85	U	3800	U	3900	U	74	U	80	U
Dibenz[a,h]anthracene	UG/KG	14		72	U	73	U	82	U	10	J	13	J	85	U	3800	U	3900	U	74	U	80	U
Dibenzofuran	UG/KG	6200	312857	72	U	73	U	82	U	75	U	71	U	85	U	3800	U	3900	U	74	U	80	U
Diethyl phthalate	UG/KG	7100	62571429	9 8	JB	44	JB	24	JB	29	JB	7 6	JB	12	JB	3800	U	3900	U	8 3	BJ	80	U
Dimethylphthalate	UG/KG	2000	782142857	72	U	73	U	82	U	75	U	71	U	85	U	3800	U	3900	U	74	U	80	U
Ethylene Glycol	MG/KG		156428571																				
Fluoranthene	UG/KG	50000	3128571	18	J	6 3	J	82	U	75	U	43	J	85	U	3800	U	3900	U	11	J	12	J
Fluorene	UG/KG	50000	3128571	72	U	73	U	82	U	75	U	71	U	85	U	3800	U	3900	U	74	U	80	U
Hexachlorobenzene	UG/KG	410	399	72	U	73	U	82	U	75	U	71	U	85	U	3800	U	3900	U	74	U	80	U
Hexachlorobutadiene	UG/KG		8189	72	U	73	U	82	U	75	U	71	U	85	U	3800	U	3900	U	74	U	80	U
Hexachlorocyclopentadiene	UG/KG		547500	72	U	73	U	82	U	75	U	71	U	85	U	3800	U	3900	U	74	U	80	U
Hexachloroethane	UG/KG		45625	72	U	73	U	82	U	75	U	71	U	85	U	3800	U	3900	U	74	U	80	U
Indeno(1,2,3-cd)pyrene	UG/KG	3200	875	8 1	J	73	U	82	U	9 2	J	16	J	85	U	3800	U	3900	U	8 5	J	80	U
Isophorone	UG/KG	4400		72	U	73	U	82	U	75	U	71	U	85	U	3800	U	3900	U	74	U	80	U
N-Nitrosodiphenylamine	UG/KG		130357	72	U	73	U	82	U	75	U	71	U	85	U	3800	U	3900	U	74	U	80	U
N-Nitrosodipropylamine	UG/KG			72	U	73	U	82	U	75	U	71	U	85	U	3800	U	3900	U	74	U	80	U
Naphthalene	UG/KG	13000	3128571	72	U	73	U	82	U	75	U	71	U	85	U	3800	U	3900	U	74	U	80	U
Nitrobenzene	UG/KG	200	39107	72	U	73	U	82	U	75	U	71	U	85	U	3800	U	3900	U	74	U	80	U
Pentachlorophenol	UG/KG	1000	5323	170	U	180	U	200	U	180	U	170	U	200	U	9300	U	9400	U	180	U	190	U
Phenanthrene	UG/KG	50000		44	J	73	U	82	U	75	U	25	J	85	U	3800	U	3900	U	10	J	12	J
Phenol	UG/KG	30	46928571	72	U	73	U	82	U	75	U	71	U	85	U	3800	U	3900	U	74	U	80	U
Propylene Glycol	MG/KG																						
Pyrene	UG/KG	50000	2346429	26	J	5 5	J	82	U	75	U	47	J	85	U	440	J	790	J	11	J	14	J
TPH	MG/KG			179		16 8	U	15 8	U	15 1	U	68		21 5	U	1650		2880		83 9		35	

Table 9-5
123B - Semivolatiles/TPH in Soil vs PRG-RES
Non-Evaluated EBS Sites

SITE				SEAD-123B		SEAD-123B		SEAD-123B		SEAD-123B		SEAD-123B		SEAD-123B		SEAD-123B		SEAD-123B		SEAD-123B	
DESCRIPTION				Bldg 716 and 717 Petroleum Releases		Bldg 716 and 717 Petroleum Releases		Bldg 716 and 717 Petroleum Releases		Bldg 716 and 717 Petroleum Releases		Bldg 716 and 717 Petroleum Releases		Bldg 716 and 717 Petroleum Releases		Bldg 716 and 717 Petroleum Releases		Bldg 716 and 717 Petroleum Releases		Bldg 716 and 717 Petroleum Releases	
LOC ID				SB123B-1		SB123B-1		SB123B-2		SB123B-2		SB123B-3		SB123B-3		SS123B-1		SS123B-1		SS123B-2		SS123B-3	
SAMP ID				EB242		EB245		EB246		EB243		EB244		EB247		EB016		EB139		EB140		EB141	
QC CODE				SA		SA		SA		SA		SA		SA		DU		SA		SA		SA	
SAMP DETH TOP				0		2 6		0		3 2		0		2 6		0		0		0		0	
SAMP DEPTH BOT				0 2		2 9		0 2		3 5		0 2		2 9		0 2		0 2		0 2		0 2	
MATRIX				SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
SAMP DATE				11-Mar-98		11-Mar-98		11-Mar-98		11-Mar-98		11-Mar-98		11-Mar-98		9-Mar-98		9-Mar-98		9-Mar-98		9-Mar-98	
PARAMETER	UNIT	TAGM	PRG-RES	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q
1,2,4-Trichlorobenzene	UG/KG	3400	782143	72	U	73	U	82	U	75	U	71	U	85	U	3800	U	3900	U	74	U	80	U
1 2-Dichlorobenzene	UG/KG	7900	7039286	72	U	73	U	82	U	75	U	71	U	85	U	3800	U	3900	U	74	U	80	U
1,3-Dichlorobenzene	UG/KG	1600	6961071	72	U	73	U	82	U	75	U	71	U	85	U	3800	U	3900	U	74	U	80	U
1,4-Dichlorobenzene	UG/KG	8500	26615	72	U	73	U	82	U	75	U	71	U	85	U	3800	U	3900	U	74	U	80	U
2,4,5-Trichlorophenol	UG/KG	100	7821429	170	U	180	U	200	U	180	U	170	U	200	U	9300	U	9400	U	180	U	190	U
2,4,6-Trichlorophenol	UG/KG		58068	72	U	73	U	82	U	75	U	71	U	85	U	3800	U	3900	U	74	U	80	U
2,4-Dichlorophenol	UG/KG	400	234643	72	U	73	U	82	U	75	U	71	U	85	U	3800	U	3900	U	74	U	80	U
2,4-Dimethylphenol	UG/KG		1564286	72	U	73	U	82	U	75	U	71	U	85	U	3800	U	3900	U	74	U	80	U
2,4-Dinitrophenol	UG/KG	200	156429	170	U	180	U	200	U	180	U	170	U	200	U	9300	U	9400	U	180	U	190	U
2,4-Dinitrotoluene	UG/KG		156429	72	U	73	U	82	U	75	U	71	U	85	U	3800	U	3900	U	74	U	80	U
2,6-Dinitrotoluene	UG/KG	1000	78214	72	U	73	U	82	U	75	U	71	U	85	U	3800	U	3900	U	74	U	80	U
2-Chloronaphthalene	UG/KG			72	U	73	U	82	U	75	U	71	U	85	U	3800	U	3900	U	74	U	80	U
2-Chlorophenol	UG/KG	800	391071	72	U	73	U	82	U	75	U	71	U	85	U	3800	U	3900	U	74	U	80	U
2-Methylnaphthalene	UG/KG	36400		4 5	J	73	U	82	U	75	U	71	U	85	U	3800	U	3900	U	4 9	J	80	U
2-Methylphenol	UG/KG	100	3910714	72	U	73	U	82	U	75	U	71	U	85	U	3800	U	3900	U	74	U	80	U
2-Nitroaniline	UG/KG	430	4693	170	U	180	U	200	U	180	U	170	U	200	U	9300	U	9400	U	180	U	190	U
2-Nitrophenol	UG/KG	330		72	U	73	U	82	U	75	U	71	U	85	U	3800	U	3900	U	74	U	80	U
3,3 -Dichlorobenzidine	UG/KG		1419	72	U	73	U	82	U	75	U	71	U	85	U	3800	U	3900	U	74	U	80	U
3-Nitroaniline	UG/KG	500	234643	170	U	180	U	200	U	180	U	170	U	200	U	9300	U	9400	U	180	U	190	U
4,6-Dinitro-2-methylphenol	UG/KG			170	U	180	U	200	U	180	U	170	U	200	U	9300	U	9400	U	180	U	190	U
4-Bromophenyl phenyl ether	UG/KG		4536429	72	U	73	U	82	U	75	U	71	U	85	U	3800	U	3900	U	74	U	80	U
4-Chloro-3-methylphenol	UG/KG	240		72	U	73	U	82	U	75	U	71	U	85	U	3800	U	3900	U	74	U	80	U
4-Chloroaniline	UG/KG	220	312857	72	U	73	U	82	U	75	U	71	U	85	U	3800	U	3900	U	74	U	80	U
4-Chlorophenyl phenyl ether	UG/KG			72	U	73	U	82	U	75	U	71	U	85	U	3800	U	3900	U	74	U	80	U
4-Methylphenol	UG/KG	900		72	U	73	U	82	U	75	U	71	U	85	U	3800	U	3900	U	74	U	80	U
4-Nitroaniline	UG/KG		234643	170	U	180	U	200	U	180	U	170	U	200	U	9300	U	9400	U	180	U	190	U
4-Nitrophenol	UG/KG	100	4692857	170	U	180	U	200	U	180	U	170	U	200	U	9300	U	9400	U	180	U	190	U
Acenaphthene	UG/KG	50000		72	U	73	U	82	U	75	U	71	U	85	U	3800	U	3900	U	74	U	80	U
Acenaphthylene	UG/KG	41000		72	U	73	U	82	U	75	U	71	U	85	U	3800	U	3900	U	74	U	80	U
Anthracene	UG/KG	50000	23464286	72	U	73	U	82	U	75	U	71	U	85	U	3800	U	3900	U	74	U	80	U
Benzo[a]anthracene	UG/KG	224	875	8 7	J	73	U	82	U	75	U	18	J	85	U	3800	U	3900	U	4 9	J	5 4	J
Benzo[a]pyrene	UG/KG	61	86	9 7	J	3 8	J	82	U	7	J	19	J	85	U	3800	U	3900	U	74	U	80	U
Benzo[b]fluoranthene	UG/KG	1100	875	23	JY	4 3	J	82	U	75	U	29	J	85	U	3800	U	3900	U	12	JY	12	JY
Benzo[ghi]perylene	UG/KG	50000		12	J	73	U	82	U	9 9	J	18	J	85	U	3800	U	3900	U	12	J	80	U
Benzo[k]fluoranthene	UG/KG	1100	8750	72	U	5 4	J	82	U	75	U	23	J	85	U	3800	U	3900	U	74	U	80	U
Bis(2-Chloroethoxy)methane	UG/KG			72	U	73	U	82	U	75	U	71	U	85	U	3800	U	3900	U	74	U	80	U
Bis(2-Chloroethyl)ether	UG/KG		581	72	U	73	U	82	U	75	U	71	U	85	U	3800	U	3900	U	74	U	80	U
Bis(2-Chloroisopropyl)ether	UG/KG		9125	72	U	73	U	82	U	75	U	71	U	85	U	3800	U	3900	U	74	U	80	U
Bis(2-Ethylhexyl)phthalate	UG/KG	50000	45625	68	J	9 4	J	82	U	12	J	14	J	31	J	3800	U	3900	U	14	BJ	11	BJ
Butylbenzylphthalate	UG/KG	50000	15642857	72	U	7 5	JB	9 7	JB	9 6	JB	13	JB	10	JB	3800	U	3900	U	5 4	J	80	U
Carbazole	UG/KG		31938	72	U	73	U	82	U	75	U	7 5	J	85	U	3600	U	3900	U	74	U	80	U
Chrysene	UG/KG	400	87500	12	J	3 7	J	82	U	4 8	J	26	J	85	U	3800	U	3900	U	12	J	9 7	J
Di-n-butylphthalate	UG/KG	8100		72	U	73	U	82	U	75	U	71	U	85	U	3800	U	3900	U	74	U	80	U
Di-n-octylphthalate	UG/KG	50000	1564286	9 5	J	5 2	J	82	U	75	U	71	U	85	U	3800	U	3900	U	74	U	80	U
Dibenz[a,h]anthracene	UG/KG	14		72	U	73	U	82	U	10	J	13	J	85	U	3800	U	3900	U	74	U	80	U
Dibenzofuran	UG/KG	6200	312857	72	U	73	U	82	U	75	U	71	U	85	U	3800	U	3900	U	74	U	80	U
Diethyl phthalate	UG/KG	7100	62571429	9 8	JB	44	JB	24	JB	29	JB	7 6	JB	12	JB	3800	U	3900	U	8 3	BJ	80	U
Dimethylphthalate	UG/KG	2000	782142857	72	U	73	U	82	U	75	U	71	U	85	U	3800	U	3900	U	74	U	80	U
Ethylene Glycol	MG/KG		156428571																				
Fluoranthene	UG/KG	50000	3128571	18	J	6 3	J	82	U	75	U	43	J	85	U	3800	U	3900	U	11	J	12	J
Fluorene	UG/KG	50000	3128571	72	U	73	U	82	U	75	U	71	U	85	U	3800	U	3900	U	74	U	80	U
Hexachlorobenzene	UG/KG	410	399	72	U	73	U	82	U	75	U	71	U	85	U	3800	U	3900	U	74	U	80	U
Hexachlorobutadiene	UG/KG		8189	72	U	73	U	82	U	75	U	71	U	85	U	3800	U	3900	U	74	U	80	U
Hexachlorocyclopentadiene	UG/KG		547500	72	U	73	U	82	U	75	U	71	U	85	U	3800	U	3900	U	74	U	80	U
Hexachloroethane	UG/KG		45625	72	U	73	U	82	U	75	U	71	U	85	U	3800	U	3900	U	74	U	80	U
Indeno(1,2,3-cd)pyrene	UG/KG	3200	875	8 1	J	73	U	82	U	9 2	J	16	J	85	U	3800	U	3900	U	8 5	J	80	U
Isophorone	UG/KG	4400		72	U	73	U	82	U	75	U	71	U	85	U	3800	U	3900	U	74	U	80	U
N-Nitrosodiphenylamine	UG/KG		130357	72	U	73	U	82	U	75	U	71	U	85	U	3800	U	3900	U	74	U	80	U
N-Nitrosodipropylamine	UG/KG			72	U	73	U	82	U	75	U	71	U	85	U	3800	U	3900	U	74	U	80	U
Naphthalene	UG/KG	13000	3128571	72	U	73	U	82	U	75	U	71	U	85	U	3800	U	3900	U	74	U	80	U
Nitrobenzene	UG/KG	200	39107	72	U	73	U	82	U	75	U	71	U	85	U	3800	U	3900	U	74	U	80	U
Pentachlorophenol	UG/KG	1000	5323	170	U	180	U	200	U	180	U	170	U	200	U	9300	U	9400	U	180	U	190	U
Phenanthrene	UG/KG	50000		44	J	73	U	82	U	75	U	25	J	85	U	3800	U	3900	U	10	J	12	J
Phenol	UG/KG	30	46928571	72	U	73	U	82	U	75	U	71	U	85	U	3800	U	3900	U	74	U	80	U
Propylene Glycol	MG/KG																						
Pyrene	UG/KG	50000	2346429	26	J	5 5	J	82	U	75	U	47	J	85	U	440	J	790	J	11	J	14	J
TPH	MG/KG			179		16 8	U	15 8	U	15 1	U	68		21 5	U	1650		2880		83 8		35	

Table 9-6
123B - Volatile Organics in Sediment vs Criteria
Non-Evaluated EBS Sites

SITE:			SEAD-123B	SEAD-123B
DESCRIPTION:			Bldg. 716 and 717 Petroleum Releases	Bldg. 716 and 717 Petroleum Releases
LOC ID:			SD123B-1	SD123B-2
SAMP ID:			EB137	EB138
QC CODE:			SA	SA
SAMP. DETH TOP:			0	0
SAMP. DEPTH BOT:			0.2	0.2
MATRIX:			SEDIMENT	SEDIMENT
SAMP. DATE:			9-Mar-98	9-Mar-98
PARAMETER	UNIT	CRITERIA	VALUE Q	VALUE Q
1,1,1-Trichloroethane	UG/KG		20 U	15 U
1,1,2,2-Tetrachloroethane	UG/KG	300 (2)	20 U	15 U
1,1,2-Trichloroethane	UG/KG		20 U	15 U
1,1-Dichloroethane	UG/KG		20 U	15 U
1,1-Dichloroethene	UG/KG	20 (2)	20 U	15 U
1,2-Dichloroethane	UG/KG	700 (2)	20 U	15 U
1,2-Dichloroethene (total)	UG/KG		20 U	15 U
1,2-Dichloropropane	UG/KG		20 U	15 U
Acetone	UG/KG		28	15 J
Benzene	UG/KG	600 (2)	20 U	15 U
Bromodichloromethane	UG/KG		20 U	15 U
Bromoform	UG/KG		20 U	15 U
Carbon disulfide	UG/KG		20 U	15 U
Carbon tetrachloride	UG/KG	600 (2)	20 U	15 U
Chlorobenzene	UG/KG	3500 (1)	20 U	15 U
Chlorodibromomethane	UG/KG		20 U	15 U
Chloroethane	UG/KG		20 U	15 U
Chloroform	UG/KG		20 U	15 U
Cis-1,3-Dichloropropene	UG/KG		20 U	15 U
Ethyl benzene	UG/KG		20 U	15 U
Methyl bromide	UG/KG		20 U	15 U
Methyl butyl ketone	UG/KG		20 U	15 U
Methyl chloride	UG/KG		20 U	15 U
Methyl ethyl ketone	UG/KG		20 U	15 U
Methyl isobutyl ketone	UG/KG		20 U	15 U
Methylene chloride	UG/KG		20 U	15 U
Styrene	UG/KG		20 U	15 U
Tetrachloroethene	UG/KG	800 (2)	20 U	15 U
Toluene	UG/KG		20 U	15 U
Total Xylenes	UG/KG		20 U	15 U
Trans-1,3-Dichloropropene	UG/KG		20 U	15 U
Trichloroethene	UG/KG	2000 (2)	20 U	15 U
Vinyl chloride	UG/KG	70 (2)	20 U	15 U

SOURCE: (1) NYS BENTHIC AQUATIC LIFE CHRONIC TOXICITY CRITERIA
(2) NYS HUMAN HEALTH BIOACCUMULATION CRITERIA

SITE			SEAD-123B		SEAD-123B	
DESCRIPTION			Bldg 716 and 717 Petroleum Releases		Bldg 716 and 717 Petroleum Releases	
LOC ID			SD123B-1		SD123B-2	
SAMP ID			EB137		EB138	
QC CODE			SA		SA	
SAMP DETH TOP			0		0	
SAMP DEPTH BOT			0 2		0 2	
MATRIX			SEDIMENT		SEDIMENT	
SAMP DATE			9-Mar-98		9-Mar-98	
PARAMETER	UNIT	CRITERIA	VALUE	Q	VALUE	Q
1,2,4-Trichlorobenzene	UG/KG		130	U	97	U
1,2-Dichlorobenzene	UG/KG	12000 (1)	130	U	97	U
1,3-Dichlorobenzene	UG/KG	12000 (1)	130	U	97	U
1,4-Dichlorobenzene	UG/KG	12000 (1)	130	U	97	U
2,4,5-Trichlorophenol	UG/KG		330	U	240	U
2,4,6-Trichlorophenol	UG/KG		130	U	97	U
2,4-Dichlorophenol	UG/KG		130	U	97	U
2,4-Dimethylphenol	UG/KG		130	U	97	U
2,4-Dinitrophenol	UG/KG		330	U	240	U
2,4-Dinitrotoluene	UG/KG		130	U	97	U
2,6-Dinitrotoluene	UG/KG		130	U	97	U
2-Chloronaphthalene	UG/KG		130	U	97	U
2-Chlorophenol	UG/KG		130	U	97	U
2-Methylnaphthalene	UG/KG		130	U	97	U
2-Methylphenol	UG/KG		130	U	97	U
2-Nitroaniline	UG/KG		330	U	240	U
2-Nitrophenol	UG/KG		130	U	97	U
3,3'-Dichlorobenzidine	UG/KG		130	U	97	U
3-Nitroaniline	UG/KG		330	U	240	U
4,6-Dinitro-2-methylphenol	UG/KG		330	U	240	U
4-Bromophenyl phenyl ether	UG/KG		130	U	97	U
4-Chloro-3-methylphenol	UG/KG		130	U	97	U
4-Chloroaniline	UG/KG		130	U	97	U
4-Chlorophenyl phenyl ether	UG/KG		130	U	97	U
4-Methylphenol	UG/KG		130	U	97	U
4-Nitroaniline	UG/KG		330	U	240	U
4-Nitrophenol	UG/KG		330	U	240	U
Acenaphthene	UG/KG	140000 (1)	130	U	97	U
Acenaphthylene	UG/KG		130	U	97	U
Anthracene	UG/KG		130	U	97	U
Benzo[a]anthracene	UG/KG	1300 (2)	9 2	J	97	U
Benzo[a]pyrene	UG/KG	1300 (2)	13	J	97	U
Benzo[b]fluoranthene	UG/KG	1300 (2)	21	J	97	U
Benzo[ghi]perylene	UG/KG		14	J	97	U
Benzo[k]fluoranthene	UG/KG	1300 (2)	14	J	97	U
Bis(2-Chloroethoxy)methane	UG/KG		130	U	97	U
Bis(2-Chloroethyl)ether	UG/KG		130	U	97	U
Bis(2-Chloroisopropyl)ether	UG/KG		130	U	97	U
Bis(2-Ethylhexyl)phthalate	UG/KG	200000 (1)	16	BJ	15	JB
Butylbenzylphthalate	UG/KG		11	J	97	U
Carbazole	UG/KG		130	U	97	U
Chrysene	UG/KG	1300 (2)	16	J	6 7	J
Di-n-butylphthalate	UG/KG		130	U	97	U
Di-n-octylphthalate	UG/KG		130	U	97	U
Dibenz[a,h]anthracene	UG/KG		130	U	97	U
Dibenzofuran	UG/KG		130	U	97	U
Diethyl phthalate	UG/KG		32	BJ	15	JB
Dimethylphthalate	UG/KG		130	U	97	U
Fluoranthene	UG/KG	1020000 (1)	21	J	8 9	J
Fluorene	UG/KG		130	U	97	U
Hexachlorobenzene	UG/KG	150 (2)	130	U	97	U
Hexachlorobutadiene	UG/KG		130	U	97	U
Hexachlorocyclopentadiene	UG/KG		130	U	97	U
Hexachloroethane	UG/KG		130	U	97	U
Indeno[1,2,3-cd]pyrene	UG/KG	1300 (2)	13	J	97	U
Isophorone	UG/KG		130	U	97	U
N-Nitrosodiphenylamine	UG/KG		130	U	97	U
N-Nitrosodipropylamine	UG/KG		130	U	97	U
Naphthalene	UG/KG		130	U	97	U
Nitrobenzene	UG/KG		130	U	97	U
Pentachlorophenol	UG/KG		330	U	240	U
Phenanthrene	UG/KG	120000 (1)	9	J	5	J
Phenol	UG/KG		130	U	97	U
Pyrene	UG/KG		16	J	9 7	J
TPH	MG/KG		33 2	U	27 9	U

SOURCE
(1) NYS BENTHIC AQUATIC LIFE CHRONIC TOXICITY CRITERIA
(2) NYS HUMAN HEALTH BIOACCUMULATION CRITERIA

SEAD-123D

Area West of Building 715

Table 11-1

Sample Collection Information
SEAD-123D - Area West of Building 715

12 Priority EBS Non-Evaluated Sites
Seneca Army Depot Activity

MATRIX	LOCATION ID	SAMPLE ID	SAMPLE DATE	TOP (feet)	BOTTOM (feet)	QC CODE	RATIONALE FOR SAMPLE LOCATION
SOIL	TP123D-1	EB108	3/5/98	0.5	0.5	SA	Located in small mound 2 ft to 2.5 ft tall with a diameter of 6 ft. The mound had no vegetation on it,with a depression in the center. Near suface sample.
SOIL	TP123D-1	EB109	3/5/98	1.0	1.0	SA	Same location ID as above. Approx. mid-point sample chosen because no VOC hits or indications of impact to soils.
SOIL	TP123D-2	EB106	3/5/98	0.5	0.5	SA	Located on the ground surface where a drum fragment was protruding from the ground; the location was not a mound. Near surface sample from under drum fragment.
SOIL	TP123D-2	EB107	3/5/98	1.5	1.5	SA	Same location ID as above. Sample was taken 1.0 ft. below drum fragment. There were no VOC hits or other indications of impact to soils.
SOIL	TP123D-3	EB102	3/4/98	0.5	0.5	SA	Located in 3 ft high mound, by 7 ft wide and 20 ft long. No vegetation was observed on the mound. Mound is in location that has very easy access from road for dumping. Near surface sample.
SOIL	TP123D-3	EB103	3/4/98	2.0	2.0	SA	Same location ID as above. Approx. mid-depth sample taken because no VOC hits or other indications of impact to soils.
SOIL	TP123D-4	EB104	3/5/98	0.5	0.5	SA	Located in 3 ft high mound with 8 ft diameter. Debris (e.g., steel pipes, cable, sections of culvert) was observed on the surface of the mound. Near surface sample taken.
SOIL	TP123D-4	EB105	3/5/98	1.0	1.0	SA	Same location ID as above. Sample taken below piece of cable and wire. There were no VOC hits or indications of impact to soils.

Table 11-1

Sample Collection Information
SEAD-123D - Area West of Building 715

12 Priority EBS Non-Evaluated Sites
Seneca Army Depot Activity

MATRIX	LOCATION ID	SAMPLE ID	SAMPLE DATE	TOP (feet)	BOTTOM (feet)	QC CODE	RATIONALE FOR SAMPLE LOCATION
SOIL	TP123D-5	EB100	3/4/98	1.5	1.5	SA	Located in the center of a mound where evidence of debris (e.g., wire) were observed protruding from the ground surface. Near surface sample.
SOIL	TP123D-5	EB101	3/4/98	4.1	4.1	SA	Same location ID as above. Approx. mid-point sample chosen because of no VOC hits or indications of impact to soils.
SOIL	TP123D-3	EB001	3/4/98	0.5	0.5	DU	Not Applicable
WATER	TP123D-1	EB002	3/5/98	0.0	0.0	RB	Not Applicable

Notes:
SA = Sample
DU = Duplicate
RB = Rinse Blank

Table 11-2
123D - Volatiles in Soil vs TAGMs
Non-Evaluated EBS Sites

SITE:				SEAD-123D	SEAD-123D	SEAD-123D	SEAD-123	SEAD-123D	SEAD-123D	SEAD-123D
DESCRIPTION:				Area West of Bldg. 715	Area West of Bldg. 715	Area West of Bldg. 715	Area West of Bldg. 715	Area West of Bldg. 715	Area West of Bldg. 715	Area West of Bldg. 715
LOC ID:				TP123D-1	TP123D-1	TP123D-2	TP123D-2	TP123D-3	TP123D-3	TP123D-3
SAMP ID:				EB108	EB109	EB106	EB107	EB001	EB102	EB103
QC CODE:				SA	SA	SA	SA	DU	SA	SA
SAMP DETH TOP:				0.5	1	0.5	1.5	0.5	0.5	2
SAMP DEPTH BOT:				0.5	1	0.5	1.5	0.5	0.5	2
MATRIX:				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
SAMP DATE:				5-Mar-98	5-Mar-98	5-Mar-98	5-Mar-98	4-Mar-98	4-Mar-98	4-Mar-98
PARAMETER	UNIT	TAGM	PRG-RES	VALUE Q	VALUE Q	VALUE Q	VALUE Q	VALUE Q	VALUE Q	VALUE Q
1,1,1-Trichloroethane	UG/KG	800	2737500	12 U	12 U	15 U	12 U	16 U	13 U	13 U
1,1,2,2-Tetrachloroethane	UG/KG	600	31938	12 U	12 U	15 U	12 U	16 U	13 U	13 U
1,1,2-Trichloroethane	UG/KG		11206	12 U	12 U	15 U	12 U	16 U	13 U	13 U
1,1-Dichloroethane	UG/KG	200	7821429	12 U	12 U	15 U	12 U	16 U	13 U	13 U
1,1-Dichloroethene	UG/KG	400	1065	12 U	12 U	15 U	12 U	16 U	13 U	13 U
1,2-Dichloroethane	UG/KG	100	7821429	12 U	12 U	15 U	12 U	16 U	13 U	13 U
1,2-Dichloroethene (total)	UG/KG			12 U	12 U	15 U	12 U	16 U	13 U	13 U
1,2-Dichloropropane	UG/KG		9393	12 U	12 U	15 U	12 U	16 U	13 U	13 U
Acetone	UG/KG	200	7821429	12 U	12 U	660 E	10 J	11 J	17	12 J
Benzene	UG/KG	60	22026	12 U	12 U	15 U	12 U	16 U	13 U	13 U
Bromodichloromethane	UG/KG		10302	12 U	12 U	15 U	12 U	16 U	13 U	13 U
Bromoform	UG/KG		80854	12 U	12 U	15 U	12 U	16 U	13 U	13 U
Carbon disulfide	UG/KG	2700	7821429	12 U	12 U	15 U	12 U	16 U	13 U	13 U
Carbon tetrachloride	UG/KG	600	4913	12 U	12 U	15 U	12 U	16 U	13 U	13 U
Chlorobenzene	UG/KG	1700	1564286	12 U	12 U	15 U	12 U	16 U	13 U	13 U
Chlorodibromomethane	UG/KG		7604	12 U	12 U	15 U	12 U	16 U	13 U	13 U
Chloroethane	UG/KG	1900	31285714	12 U	12 U	15 U	12 U	16 U	13 U	13 U
Chloroform	UG/KG	300	104713	12 U	12 U	15 U	12 U	16 U	13 U	13 U
Cis-1,3-Dichloropropene	UG/KG			12 U	12 U	15 U	12 U	16 U	13 U	13 U
Ethyl benzene	UG/KG	5500	7821429	12 U	12 U	15 U	12 U	16 U	13 U	13 U
Methyl bromide	UG/KG		111846	12 U	12 U	15 U	12 U	16 U	13 U	13 U
Methyl butyl ketone	UG/KG			12 U	12 U	15 U	12 U	16 U	13 U	13 U
Methyl chloride	UG/KG		49135	12 U	12 U	15 U	12 U	16 U	13 U	13 U
Methyl ethyl ketone	UG/KG	300		12 U	12 U	58	12 U	16 U	13 U	13 U
Methyl isobutyl ketone	UG/KG	1000	6257143	12 U	12 U	15 U	12 U	16 U	13 U	13 U
Methylene chloride	UG/KG	100	85167	12 U	12 U	15 U	12 U	16 U	13 U	13 U
Styrene	UG/KG			12 U	12 U	15 U	12 U	16 U	13 U	13 U
Tetrachloroethene	UG/KG	1400	12284	12 U	12 U	15 U	12 U	16 U	13 U	13 U
Toluene	UG/KG	1500	15642857	12 U	12 U	15 U	12 U	16 U	13 U	13 U
Total Xylenes	UG/KG	1200		12 U	12 U	15 U	12 U	16 U	13 U	13 U
Trans-1,3-Dichloropropene	UG/KG			12 U	12 U	15 U	12 U	16 U	13 U	13 U
Trichloroethene	UG/KG	700	58068	12 U	12 U	15 U	12 U	16 U	13 U	13 U
Vinyl chloride	UG/KG	200	336	12 U	12 U	15 U	12 U	16 U	13 U	13 U

Table 11-2
123D - Volatiles in Soil vs TAGMs
Non-Evaluated EBS Sites

SITE:				SEAD-123D		SEAD-123D		SEAD-123		SEAD-123D	
DESCRIPTION:				Area West of Bldg. 715		Area West of Bldg. 715		Area West of Bldg. 715		Area West of Bldg. 715	
LOC ID:				TP123D-4		TP123D-4		TP123D-5		TP123D-5	
SAMP ID				EB104		EB105		EB100		EB101	
QC CODE				SA		SA		SA		SA	
SAMP. DETH TOP				0.5		1		1.5		4.1	
SAMP. DEPTH BOT.				0.5		1		1.5		4.1	
MATRIX				SOIL		SOIL		SOIL		SOIL	
SAMP. DATE				5-Mar-98		5-Mar-98		4-Mar-98		4-Mar-98	
PARAMETER	UNIT	TAGM	PRG-RES	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q
1,1,1-Trichloroethane	UG/KG	800	2737500	14	U	13	U	13	U	13	U
1,1,2,2-Tetrachloroethane	UG/KG	600	31938	14	U	13	U	13	U	13	U
1,1,2-Trichloroethane	UG/KG		11206	14	U	13	U	13	U	13	U
1,1-Dichloroethane	UG/KG	200	7821429	14	U	13	U	13	U	13	U
1,1-Dichloroethene	UG/KG	400	1065	14	U	13	U	13	U	13	U
1,2-Dichloroethane	UG/KG	100	7821429	14	U	13	U	13	U	13	U
1,2-Dichloroethene (total)	UG/KG			14	U	13	U	13	U	13	U
1,2-Dichloropropane	UG/KG		9393	14	U	13	U	13	U	13	U
Acetone	UG/KG	200	7821429	14	U	13	U	16		13	U
Benzene	UG/KG	60	22026	14	U	13	U	13	U	13	U
Bromodichloromethane	UG/KG		10302	14	U	13	U	13	U	13	U
Bromoform	UG/KG		80854	14	U	13	U	13	U	13	U
Carbon disulfide	UG/KG	2700	7821429	14	U	13	U	13	U	13	U
Carbon tetrachloride	UG/KG	600	4913	14	U	13	U	13	U	13	U
Chlorobenzene	UG/KG	1700	1564286	14	U	13	U	13	U	13	U
Chlorodibromomethane	UG/KG		7604	14	U	13	U	13	U	13	U
Chloroethane	UG/KG	1900	31285714	14	U	13	U	13	U	13	U
Chloroform	UG/KG	300	104713	14	U	13	U	13	U	13	U
Cis-1,3-Dichloropropene	UG/KG			14	U	13	U	13	U	13	U
Ethyl benzene	UG/KG	5500	7821429	14	U	13	U	13	U	13	U
Methyl bromide	UG/KG		111846	14	U	13	U	13	U	13	U
Methyl butyl ketone	UG/KG			14	U	13	U	13	U	13	U
Methyl chloride	UG/KG		49135	14	U	13	U	13	U	13	U
Methyl ethyl ketone	UG/KG	300		14	U	13	U	13	U	13	U
Methyl isobutyl ketone	UG/KG	1000	6257143	14	U	13	U	13	U	13	U
Methylene chloride	UG/KG	100	85167	14	U	13	U	13	U	13	U
Styrene	UG/KG			14	U	13	U	13	U	13	U
Tetrachloroethene	UG/KG	1400	12284	14	U	13	U	13	U	13	U
Toluene	UG/KG	1500	15642857	14	U	13	U	13	U	13	U
Total Xylenes	UG/KG	1200		14	U	13	U	13	U	13	U
Trans-1,3-Dichloropropene	UG/KG			14	U	13	U	13	U	13	U
Trichloroethene	UG/KG	700	58068	14	U	13	U	13	U	13	U
Vinyl chloride	UG/KG	200	336	14	U	13	U	13	U	13	U

Table 11-3
123D - Volatiles in Soil vs PRG-RES
Non-Evaluated EBS Sites

SITE:				SEAD-123D		SEAD-123D		SEAD-123D		SEAD-123D		SEAD-123D		SEAD-123D	
DESCRIPTION				Area West of Bldg. 715		Area West of Bldg. 715		Area West of Bldg. 715		Area West of Bldg. 715		Area West of Bldg. 715		Area West of Bldg. 715	
LOC ID				TP123D-1		TP123D-1		TP123D-2		TP123D-2		TP123D-3		TP123D-3	
SAMP ID:				EB108		EB109		EB106		EB107		EB001		EB102		EB103	
QC CODE:				SA		SA		SA		SA		DU		SA		SA	
SAMP DETH TOP:				0.5		1		0.5		1.5		0.5		0.5		2	
SAMP. DEPTH BOT:				0.5		1		0.5		1.5		0.5		0.5		2	
MATRIX				SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
SAMP DATE:				5-Mar-98		5-Mar-98		5-Mar-98		5-Mar-98		4-Mar-98		4-Mar-98		4-Mar-98	
PARAMETER	UNIT	TAGM	PRG-RES	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q
1,1,1-Trichloroethane	UG/KG	800	2737500	12	U	12	U	15	U	12	U	16	U	13	U	13	U
1,1,2,2-Tetrachloroethane	UG/KG	600	31938	12	U	12	U	15	U	12	U	16	U	13	U	13	U
1,1,2-Trichloroethane	UG/KG		11206	12	U	12	U	15	U	12	U	16	U	13	U	13	U
1,1-Dichloroethane	UG/KG	200	7821429	12	U	12	U	15	U	12	U	16	U	13	U	13	U
1,1-Dichloroethene	UG/KG	400	1065	12	U	12	U	15	U	12	U	16	U	13	U	13	U
1,2-Dichloroethane	UG/KG	100	7821429	12	U	12	U	15	U	12	U	16	U	13	U	13	U
1,2-Dichloroethene (total)	UG/KG			12	U	12	U	15	U	12	U	16	U	13	U	13	U
1,2-Dichloropropane	UG/KG		9393	12	U	12	U	15	U	12	U	16	U	13	U	13	U
Acetone	UG/KG	200	7821429	12	U	12	U	660	E	10	J	11	J	17		12	J
Benzene	UG/KG	60	22026	12	U	12	U	15	U	12	U	16	U	13	U	13	U
Bromodichloromethane	UG/KG		10302	12	U	12	U	15	U	12	U	16	U	13	U	13	U
Bromoform	UG/KG		80854	12	U	12	U	15	U	12	U	16	U	13	U	13	U
Carbon disulfide	UG/KG	2700	7821429	12	U	12	U	15	U	12	U	16	U	13	U	13	U
Carbon tetrachloride	UG/KG	600	4913	12	U	12	U	15	U	12	U	16	U	13	U	13	U
Chlorobenzene	UG/KG	1700	1564286	12	U	12	U	15	U	12	U	16	U	13	U	13	U
Chlorodibromomethane	UG/KG		7604	12	U	12	U	15	U	12	U	16	U	13	U	13	U
Chloroethane	UG/KG	1900	31285714	12	U	12	U	15	U	12	U	16	U	13	U	13	U
Chloroform	UG/KG	300	104713	12	U	12	U	15	U	12	U	16	U	13	U	13	U
Cis-1,3-Dichloropropene	UG/KG			12	U	12	U	15	U	12	U	16	U	13	U	13	U
Ethyl benzene	UG/KG	5500	7821429	12	U	12	U	15	U	12	U	16	U	13	U	13	U
Methyl bromide	UG/KG		111846	12	U	12	U	15	U	12	U	16	U	13	U	13	U
Methyl butyl ketone	UG/KG			12	U	12	U	15	U	12	U	16	U	13	U	13	U
Methyl chloride	UG/KG		49135	12	U	12	U	15	U	12	U	16	U	13	U	13	U
Methyl ethyl ketone	UG/KG	300		12	U	12	U	58		12	U	16	U	13	U	13	U
Methyl isobutyl ketone	UG/KG	1000	6257143	12	U	12	U	15	U	12	U	16	U	13	U	13	U
Methylene chloride	UG/KG	100	85167	12	U	12	U	15	U	12	U	16	U	13	U	13	U
Styrene	UG/KG			12	U	12	U	15	U	12	U	16	U	13	U	13	U
Tetrachloroethene	UG/KG	1400	12284	12	U	12	U	15	U	12	U	16	U	13	U	13	U
Toluene	UG/KG	1500	15642857	12	U	12	U	15	U	12	U	16	U	13	U	13	U
Total Xylenes	UG/KG	1200		12	U	12	U	15	U	12	U	16	U	13	U	13	U
Trans-1,3-Dichloropropene	UG/KG			12	U	12	U	15	U	12	U	16	U	13	U	13	U
Trichloroethene	UG/KG	700	58068	12	U	12	U	15	U	12	U	16	U	13	U	13	U
Vinyl chloride	UG/KG	200	336	12	U	12	U	15	U	12	U	16	U	13	U	13	U

Table 11-3
123D - Volatiles in Soil vs PRG-RES
Non-Evaluated EBS Sites

SITE				SEAD-123D		SEAD-123D		SEAD-123D		SEAD-123D	
DESCRIPTION				Area West of Bldg. 715		Area West of Bldg. 715		Area West of Bldg. 715		Area West of Bldg. 715	
LOC ID:				TP123D-4		TP123D-4		TP123D-5		TP123D-5	
SAMP ID:				EB104		EB105		EB100		EB101	
QC CODE:				SA		SA		SA		SA	
SAMP DETH TOP:				0.5		1		1.5		4.1	
SAMP DEPTH BOT				0.5		1		1.5		4.1	
MATRIX				SOIL		SOIL		SOIL		SOIL	
SAMP DATE				5-Mar-98		5-Mar-98		4-Mar-98		4-Mar-98	
PARAMETER	UNIT	TAGM	PRG-RES	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q
1,1,1-Trichloroethane	UG/KG	800	2737500	14	U	13	U	13	U	13	U
1,1,2,2-Tetrachloroethane	UG/KG	600	31938	14	U	13	U	13	U	13	U
1,1,2-Trichloroethane	UG/KG		11206	14	U	13	U	13	U	13	U
1,1-Dichloroethane	UG/KG	200	7821429	14	U	13	U	13	U	13	U
1,1-Dichloroethene	UG/KG	400	1065	14	U	13	U	13	U	13	U
1,2-Dichloroethane	UG/KG	100	7821429	14	U	13	U	13	U	13	U
1,2-Dichloroethene (total)	UG/KG			14	U	13	U	13	U	13	U
1,2-Dichloropropane	UG/KG		9393	14	U	13	U	13	U	13	U
Acetone	UG/KG	200	7821429	14	U	13	U	16		13	U
Benzene	UG/KG	60	22026	14	U	13	U	13	U	13	U
Bromodichloromethane	UG/KG		10302	14	U	13	U	13	U	13	U
Bromoform	UG/KG		80854	14	U	13	U	13	U	13	U
Carbon disulfide	UG/KG	2700	7821429	14	U	13	U	13	U	13	U
Carbon tetrachloride	UG/KG	600	4913	14	U	13	U	13	U	13	U
Chlorobenzene	UG/KG	1700	1564286	14	U	13	U	13	U	13	U
Chlorodibromomethane	UG/KG		7604	14	U	13	U	13	U	13	U
Chloroethane	UG/KG	1900	31285714	14	U	13	U	13	U	13	U
Chloroform	UG/KG	300	104713	14	U	13	U	13	U	13	U
Cis-1,3-Dichloropropene	UG/KG			14	U	13	U	13	U	13	U
Ethyl benzene	UG/KG	5500	7821429	14	U	13	U	13	U	13	U
Methyl bromide	UG/KG		111846	14	U	13	U	13	U	13	U
Methyl butyl ketone	UG/KG			14	U	13	U	13	U	13	U
Methyl chloride	UG/KG		49135	14	U	13	U	13	U	13	U
Methyl ethyl ketone	UG/KG	300		14	U	13	U	13	U	13	U
Methyl isobutyl ketone	UG/KG	1000	6257143	14	U	13	U	13	U	13	U
Methylene chloride	UG/KG	100	85167	14	U	13	U	13	U	13	U
Styrene	UG/KG			14	U	13	U	13	U	13	U
Tetrachloroethene	UG/KG	1400	12284	14	U	13	U	13	U	13	U
Toluene	UG/KG	1500	15642857	14	U	13	U	13	U	13	U
Total Xylenes	UG/KG	1200		14	U	13	U	13	U	13	U
Trans-1,3-Dichloropropene	UG/KG			14	U	13	U	13	U	13	U
Trichloroethene	UG/KG	700	58068	14	U	13	U	13	U	13	U
Vinyl chloride	UG/KG	200	336	14	U	13	U	13	U	13	U

Table 11-4
123D - Semivolatiles/TPH in Soils vs TAGMs
Non-Evaluated EBS Sites

SITE				SEAD-123D	SEAD-123D	SEAD-123D	SEAD-123D	SEAD-123D	SEAD-123D	SEAD-123D	SEAD-123D	SEAD-123D	SEAD-123D
DESCRIPTION				Area West of Bldg 715	Area West of Bldg 715	Area West of Bldg 715	Area West of Bldg 715	Area West of Bldg 715	Area West of Bldg 715	Area West of Bldg 715	Area West of Bldg 715	Area West of Bldg 715	Area West of Bldg 715
LOC ID				TP123D-1	TP123D-1	TP123D-2	TP123D-2	TP123D-3	TP123D-3	TP123D-3	TP123D-4	TP123D-4	TP123D-5
SAMP ID				EB108	EB109	EB106	EB107	EB001	EB102	EB103	EB104	EB105	EB100
QC CODE				SA	SA	SA	SA	DU	SA	SA	SA	SA	SA
SAMP DETH TOP				0 5	1	0 5	1 5	0 5	0 5	2	0 5	1	1 5
SAMP DEPTH BOT				0 5	1	0 5	1 5	0 5	0 5	2	0 5	1	1 5
MATRIX				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
SAMP DATE				5-Mar-98	5-Mar-98	5-Mar-98	5-Mar-98	4-Mar-98	4-Mar-98	4-Mar-98	5-Mar-98	5-Mar-98	4-Mar-98
PARAMETER	UNIT	TAGM	PRG-RES	VALUE Q	VALUE Q	VALUE Q	VALUE Q	VALUE Q	VALUE Q	VALUE Q	VALUE Q	VALUE Q	VALUE Q
1,2,4-Trichlorobenzene	UG/KG	3400	782143	82 U	81 U	88 U	83 U	88 U	89 U	88 U	97 U	81 U	84 U
1,2-Dichlorobenzene	UG/KG	7900	7039286	82 U	81 U	88 U	83 U	88 U	89 U	88 U	97 U	81 U	84 U
1,3-Dichlorobenzene	UG/KG	1600	6861071	82 U	81 U	88 U	83 U	88 U	89 U	88 U	97 U	81 U	84 U
1,4-Dichlorobenzene	UG/KG	8500	26615	82 U	81 U	88 U	83 U	88 U	89 U	88 U	97 U	81 U	84 U
2,4,5-Trichlorophenol	UG/KG	100	7821429	200 U	200 U	210 U	200 U	210 U	220 U	210 U	240 U	200 U	200 U
2,4,6-Trichlorophenol	UG/KG		58068	82 U	81 U	88 U	83 U	88 U	89 U	88 U	97 U	81 U	84 U
2,4-Dichlorophenol	UG/KG	400	234643	82 U	81 U	88 U	83 U	88 U	89 U	88 U	97 U	81 U	84 U
2,4-Dimethylphenol	UG/KG		1564286	82 U	81 U	88 U	83 U	88 U	89 U	88 U	97 U	81 U	84 U
2,4-Dinitrophenol	UG/KG	200	156429	200 U	200 U	210 U	200 U	210 U	220 U	210 U	240 U	200 U	200 U
2,4-Dinitrotoluene	UG/KG		156429	82 U	81 U	88 U	83 U	88 U	89 U	88 U	97 U	81 U	84 U
2,6-Dinitrotoluene	UG/KG	1000	78214	82 U	81 U	88 U	83 U	88 U	89 U	88 U	97 U	81 U	84 U
2-Chloronaphthalene	UG/KG			82 U	81 U	88 U	83 U	88 U	89 U	88 U	97 U	81 U	84 U
2-Chlorophenol	UG/KG	800	391071	82 U	81 U	88 U	83 U	88 U	89 U	88 U	97 U	81 U	84 U
2-Methylnaphthalene	UG/KG	36400		82 U	81 U	88 U	83 U	88 U	89 U	88 U	5 4 J	81 U	84 U
2-Methylphenol	UG/KG	100	3910714	82 U	81 U	88 U	83 U	88 U	89 U	88 U	97 U	81 U	84 U
2-Nitroaniline	UG/KG	430	4693	200 U	200 U	210 U	200 U	210 U	220 U	210 U	240 U	200 U	200 U
2-Nitrophenol	UG/KG	330		82 U	81 U	88 U	83 U	88 U	89 U	88 U	97 U	81 U	84 U
3,3'-Dichlorobenzidine	UG/KG		1419	82 U	81 U	88 U	83 U	88 U	89 U	88 U	97 U	81 U	84 U
3-Nitroaniline	UG/KG	500	234643	200 U	200 U	210 U	200 U	210 U	220 U	210 U	240 U	200 U	200 U
4,6-Dinitro-2-methylphenol	UG/KG			200 U	200 U	210 U	200 U	210 U	220 U	210 U	240 U	200 U	200 U
4-Bromophenyl phenyl ether	UG/KG		4536429	82 U	81 U	88 U	83 U	88 U	89 U	88 U	97 U	81 U	84 U
4-Chloro-3-methylphenol	UG/KG	240		82 U	81 U	88 U	83 U	88 U	89 U	88 U	97 U	81 U	84 U
4-Chloroaniline	UG/KG	220	312857	82 U	81 U	88 U	83 U	88 U	89 U	88 U	97 U	81 U	84 U
4-Chlorophenyl phenyl ether	UG/KG			82 U	81 U	88 U	83 U	88 U	89 U	88 U	97 U	81 U	84 U
4-Methylphenol	UG/KG	900		82 U	81 U	88 U	83 U	88 U	89 U	88 U	97 U	81 U	84 U
4-Nitroaniline	UG/KG		234643	200 U	200 U	210 U	200 U	210 U	220 U	210 U	240 U	200 U	200 U
4-Nitrophenol	UG/KG	100	4692857	200 U	200 U	210 U	200 U	210 U	220 U	210 U	240 U	200 U	200 U
Acenaphthene	UG/KG	50000		82 U	81 U	88 U	83 U	88 U	89 U	88 U	97 U	81 U	84 U
Acenaphthylene	UG/KG	41000		82 U	81 U	88 U	83 U	88 U	89 U	88 U	97 U	81 U	84 U
Anthracene	UG/KG	50000	23464286	82 U	81 U	88 U	83 U	88 U	89 U	88 U	97 U	81 U	84 U
Benzo[a]anthracene	UG/KG	224	875	9 6 J	81 U	88 U	83 U	4 7 J	89 U	88 U	12 J	9 5 J	84 U
Benzo[a]pyrene	UG/KG	61	88	11 J	4 9 J	88 U	83 U	5 2 J	4 8 J	88 U	27 J	13 J	84 U
Benzo[b]fluoranthene	UG/KG	1100	875	12 J	5 7 J	8 5 J	83 U	9 4 J	5 1 J	6 3 J	35 J	13 J	10 JY
Benzo[ghi]perylene	UG/KG	50000		8 6 J	6 5 J	88 U	83 U	88 U	4 6 J	88 U	26 J	15 J	84 U
Benzo[k]fluoranthene	UG/KG	1100	8750	13 J	4 5 J	88 U	83 U	5 9 J	6 7 J	5 2 J	31 J	13 J	84 U
Bis(2-Chloroethoxy)methane	UG/KG			82 U	81 U	88 U	83 U	88 U	89 U	88 U	97 U	81 U	84 U
Bis(2-Chloroethyl)ether	UG/KG		581	82 U	81 U	88 U	83 U	88 U	89 U	88 U	97 U	81 U	84 U
Bis(2-Chloroisopropyl)ether	UG/KG		9125	82 U	81 U	88 U	83 U	88 U	89 U	88 U	97 U	81 U	84 U
Bis(2 Ethylhexyl)phthalate	UG/KG	50000	45625	9 1 J	9 5 J	88 U	83 U	13 J	89 U	12 J	28 J	81 U	7 2 J
Butylbenzylphthalate	UG/KG	50000	15642857	82 U	81 U	88 U	83 U	88 U	8 1 JB	88 U	97 U	81 U	84 U
Carbazole	UG/KG		31938	82 U	81 U	88 U	83 U	88 U	89 U	88 U	97 U	81 U	84 U
Chrysene	UG/KG	400	87500	13 J	81 U	88 U	83 U	8 J	6 J	6 4 J	25 J	15 J	5 1 J
Di-n-butylphthalate	UG/KG	8100		82 U	81 U	88 U	83 U	5 7 J	88 U	88 U	9 8 J	81 U	84 U
Di-n-octylphthalate	UG/KG	50000	1564286	82 U	81 U	88 U	83 U	88 U	89 U	88 U	97 U	81 U	84 U
Dibenz[a,h]anthracene	UG/KG	14		82 U	6 3 J	88 U	83 U	88 U	89 U	88 U	14 J	81 U	84 U
Dibenzofuran	UG/KG	6200	312857	82 U	81 U	88 U	83 U	88 U	89 U	88 U	97 U	81 U	84 U
Diethyl phthalate	UG/KG	7100	62571429	13 JB	9 1 JB	88 U	8 2 BJ	25 JB	14 JB	17 JB	9 9 JB	5 7 JB	17 JB
Dimethylphthalate	UG/KG	2000	782142857	82 U	81 U	88 U	83 U	88 U	89 U	88 U	97 U	81 U	84 U
Ethylene Glycol	MG/KG		156428571										
Fluoranthene	UG/KG	50000	3128571	24 J	81 U	5 8 J	83 U	11 J	8 7 J	8 6 J	26 J	20 J	7 1 J
Fluorene	UG/KG	50000	3128571	82 U	81 U	88 U	83 U	88 U	89 U	88 U	97 U	81 U	84 U
Hexachlorobenzene	UG/KG	410	399	82 U	81 U	88 U	83 U	88 U	89 U	88 U	97 U	81 U	84 U
Hexachlorobutadiene	UG/KG		8189	82 U	81 U	88 U	83 U	88 U	89 U	88 U	97 U	81 U	84 U
Hexachlorocyclopentadiene	UG/KG		547500	82 U	81 U	88 U	83 U	88 U	89 U	88 U	97 U	81 U	84 U
Hexachloroethane	UG/KG		45625	82 U	81 U	88 U	83 U	88 U	89 U	88 U	97 U	81 U	84 U
Indeno[1,2,3-cd]pyrene	UG/KG	3200	875	8 7 J	6 5 J	88 U	83 U	6 6 J	4 8 J	88 U	20 J	15 J	5 J
Isophorone	UG/KG	4400		82 U	81 U	88 U	83 U	88 U	89 U	88 U	97 U	81 U	84 U
N-Nitrosodiphenylamine	UG/KG		130357	82 U	81 U	88 U	83 U	88 U	89 U	88 U	97 U	81 U	84 U
N-Nitrosodipropylamine	UG/KG			82 U	81 U	88 U	83 U	88 U	89 U	88 U	97 U	81 U	84 U
Naphthalene	UG/KG	13000	3128571	82 U	81 U	88 U	83 U	88 U	89 U	88 U	97 U	81 U	84 U
Nitrobenzene	UG/KG	200	39107	82 U	81 U	88 U	83 U	88 U	89 U	88 U	97 U	81 U	84 U
Pentachlorophenol	UG/KG	1000	5323	200 U	200 U	210 U	200 U	210 U	220 U	210 U	240 U	200 U	200 U
Phenanthrene	UG/KG	50000		14 J	81 U	88 U	83 U	7 1 J	89 U	4 8 J	17 J	14 J	84 U
Phenol	UG/KG	30	46928571	82 U	81 U	88 U	83 U	88 U	89 U	88 U	97 U	81 U	84 U
Propylene Glycol	MG/KG												
Pyrene	UG/KG	50000	2346429	18 J	81 U	5 4 J	83 U	10 J	8 2 J	7 3 J	30 J	22 J	6 6 J
TPH	MG/KG			18 3 U	18 9 U	34 8	19 U	22 1	39 4	21 U	115	221	16 3 U

Table 11-4
123D - Semivolatiles/TPH in Soils vs TAGMs
Non-Evaluated EBS Sites

SITE				SEAD-123D	
DESCRIPTION				Area West of Bldg 715	
LOC ID				TP123D-5	
SAMP ID				EB101	
QC CODE				SA	
SAMP DETH TOP				4 1	
SAMP DEPTH BOT				4 1	
MATRIX				SOIL	
SAMP DATE				4-Mar-98	
PARAMETER	UNIT	TAGM	PRG-RES	VALUE	Q
1,2,4-Trichlorobenzene	UG/KG	3400	782143		86 U
1,2-Dichlorobenzene	UG/KG	7900	7038286		86 U
1,3-Dichlorobenzene	UG/KG	1600	6961071		86 U
1,4-Dichlorobenzene	UG/KG	8500	26615		86 U
2,4,5-Trichlorophenol	UG/KG	100	7821429		210 U
2,4,6-Trichlorophenol	UG/KG		58068		86 U
2,4-Dichlorophenol	UG/KG	400	234643		86 U
2,4-Dimethylphenol	UG/KG		1564286		86 U
2,4-Dinitrophenol	UG/KG	200	156429		210 U
2,4-Dinitrotoluene	UG/KG		156429		86 U
2,6-Dinitrotoluene	UG/KG	1000	78214		86 U
2-Chloronaphthalene	UG/KG				86 U
2-Chlorophenol	UG/KG	800	391071		86 U
2-Methylnaphthalene	UG/KG	36400			86 U
2-Methylphenol	UG/KG	100	3910714		86 U
2-Nitroaniline	UG/KG	430	4693		210 U
2-Nitrophenol	UG/KG	330			86 U
3,3 -Dichlorobenzidine	UG/KG		1419		86 U
3-Nitroaniline	UG/KG	500	234643		210 U
4,6-Dinitro-2-methylphenol	UG/KG				210 U
4-Bromophenyl phenyl ether	UG/KG		4536429		86 U
4-Chloro-3-methylphenol	UG/KG	240			86 U
4-Chloroaniline	UG/KG	220	312857		86 U
4-Chlorophenyl phenyl ether	UG/KG				86 U
4-Methylphenol	UG/KG	900			86 U
4-Nitroaniline	UG/KG		234643		210 U
4-Nitrophenol	UG/KG	100	4692857		210 U
Acenaphthene	UG/KG	50000			86 U
Acenaphthylene	UG/KG	41000			86 U
Anthracene	UG/KG	50000	23464286		86 U
Benzo[a]anthracene	UG/KG	224	875		86 U
Benzo[a]pyrene	UG/KG	61	88		4 5 J
Benzo[b]fluoranthene	UG/KG	1100	875		8 8 J
Benzo[ghi]perylene	UG/KG	50000			86 U
Benzo[k]fluoranthene	UG/KG	1100	8750		4 5 J
Bis(2-Chloroethoxy)methane	UG/KG				86 U
Bis(2-Chloroethyl)ether	UG/KG		581		86 U
Bis(2-Chloroisopropyl)ether	UG/KG		9125		86 U
Bis(2-Ethylhexyl)phthalate	UG/KG	50000	45625		7 3 J
Butylbenzylphthalate	UG/KG	50000	15842857		5 4 JB
Carbazole	UG/KG		31838		86 U
Chrysene	UG/KG	400	87500		6 9 J
Di-n-butylphthalate	UG/KG	8100			86 U
Di-n-octylphthalate	UG/KG	50000	1564286		86 U
Dibenz[a,h]anthracene	UG/KG	14			86 U
Dibenzofuran	UG/KG	6200	312857		86 U
Diethyl phthalate	UG/KG	7100	62571429		18 JB
Dimethylphthalate	UG/KG	2000	782142857		86 U
Ethylene Glycol	MG/KG		156428571		
Fluoranthene	UG/KG	50000	3128571		8 2 J
Fluorene	UG/KG	50000	3128571		86 U
Hexachlorobenzene	UG/KG	410	399		86 U
Hexachlorobutadiene	UG/KG		8189		86 U
Hexachlorocyclopentadiene	UG/KG		547500		86 U
Hexachloroethane	UG/KG		45625		86 U
Indeno[1,2,3-cd]pyrene	UG/KG	3200	875		5 4 J
Isophorone	UG/KG	4400			86 U
N-Nitrosodiphenylamine	UG/KG		130357		86 U
N-Nitrosodipropylamine	UG/KG				86 U
Naphthalene	UG/KG	13000	3128571		86 U
Nitrobenzene	UG/KG	200	39107		86 U
Pentachlorophenol	UG/KG	1000	5323		210 U
Phenanthrene	UG/KG	50000			4 6 J
Phenol	UG/KG	30	46928571		86 U
Propylene Glycol	MG/KG				
Pyrene	UG/KG	50000	2346429		6 8 J
TPH	MG/KG				19 7 U

Table 11-5
123D - Semivolatiles/TPH in Soils vs PRG-RES
Non-Evaluated EBS Sites

SITE				SEAD-123D	SEAD-123D	SEAD-123D	SEAO-123D	SEAD-123D	SEAD-123D	SEAD-123D	SEAD-123D	SEAD-123D	SEAD-123D
DESCRIPTION				Area West of Bldg 715	Area West of Bldg 715	Area West of Bldg 715	Area West of Bldg 715	Area West of Bldg 715	Area West of Bldg 715	Area West of Bldg 715	Area West of Bldg 715	Area West of Bldg 715	Area West of Bldg 715
LOC ID				TP123D-1	TP123D-1	TP123D-2	TP123D-2	TP123D-3	TP123D-3	TP123D-3	TP123D-4	TP123D-4	TP123D-5
SAMP ID				EB108	EB109	EB106	EB107	EB001	EB102	EB103	EB104	EB105	EB100
QC CODE				SA	SA	SA	SA	DU	SA	SA	SA	SA	SA
SAMP DETH TOP				0 5	1	0 5	1 5	0 5	0 5	2	0 5	1	1 5
SAMP DEPTH BOT				0 5	1	0 5	1 5	0 5	0 5	2	0 5	1	1 5
MATRIX				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
SAMP DATE				5-Mar-98	5-Mar-98	5-Mar-98	5-Mar-98	4-Mar-98	4-Mar-98	4-Mar-98	5-Mar-98	5-Mar-98	4-Mar-98
PARAMETER	UNIT	TAGM	PRG-RES	VALUE Q	VALUE Q	VALUE Q	VALUE Q	VALUE Q	VALUE Q	VALUE Q	VALUE Q	VALUE Q	VALUE Q
1,2,4-Trichlorobenzene	UG/KG	3400	782143	82 U	81 U	88 U	83 U	88 U	89 U	88 U	97 U	81 U	84 U
1,2-Dichlorobenzene	UG/KG	7900	7039286	82 U	81 U	88 U	83 U	88 U	89 U	88 U	97 U	81 U	84 U
1,3-Dichlorobenzene	UG/KG	1600	6961071	82 U	81 U	88 U	83 U	88 U	89 U	88 U	97 U	81 U	84 U
1,4-Dichlorobenzene	UG/KG	8500	26615	82 U	81 U	88 U	83 U	88 U	89 U	88 U	97 U	81 U	84 U
2,4,5-Trichlorophenol	UG/KG	100	7821429	200 U	200 U	210 U	200 U	210 U	220 U	210 U	240 U	200 U	200 U
2,4,6-Trichlorophenol	UG/KG		58068	82 U	81 U	88 U	83 U	88 U	89 U	88 U	97 U	81 U	84 U
2,4-Dichlorophenol	UG/KG	400	234643	82 U	81 U	88 U	83 U	88 U	89 U	88 U	97 U	81 U	84 U
2,4-Dimethylphenol	UG/KG		1564288	82 U	81 U	88 U	83 U	88 U	89 U	88 U	97 U	81 U	84 U
2,4-Dinitrophenol	UG/KG	200	156429	200 U	200 U	210 U	200 U	210 U	220 U	210 U	240 U	200 U	200 U
2,4-Dinitrotoluene	UG/KG		156429	82 U	81 U	88 U	83 U	88 U	89 U	88 U	97 U	81 U	84 U
2,6-Dinitrotoluene	UG/KG	1000	78214	82 U	81 U	88 U	83 U	88 U	89 U	88 U	97 U	81 U	84 U
2-Chloronaphthalene	UG/KG			82 U	81 U	88 U	83 U	88 U	89 U	88 U	97 U	81 U	84 U
2-Chlorophenol	UG/KG	800	391071	82 U	81 U	88 U	83 U	88 U	89 U	88 U	97 U	81 U	84 U
2-Methylnaphthalene	UG/KG	36400		82 U	81 U	88 U	83 U	88 U	89 U	88 U	97 U	81 U	84 U
2-Methylphenol	UG/KG	100	3910714	82 U	81 U	88 U	83 U	88 U	89 U	88 U	54 J	81 U	84 U
2-Nitroaniline	UG/KG	430	4693	200 U	200 U	210 U	200 U	210 U	220 U	210 U	240 U	200 U	200 U
2-Nitrophenol	UG/KG	330		82 U	81 U	88 U	83 U	88 U	89 U	88 U	97 U	81 U	84 U
3,3 -Dichlorobenzidine	UG/KG		1419	82 U	81 U	88 U	83 U	88 U	89 U	88 U	97 U	81 U	84 U
3-Nitroaniline	UG/KG	500	234643	200 U	200 U	210 U	200 U	210 U	220 U	210 U	240 U	200 U	200 U
4,6-Dinitro-2-methylphenol	UG/KG			200 U	200 U	210 U	200 U	210 U	220 U	210 U	240 U	200 U	200 U
4-Bromophenyl phenyl ether	UG/KG		4536429	82 U	81 U	88 U	83 U	88 U	89 U	88 U	97 U	81 U	84 U
4-Chloro-3-methylphenol	UG/KG	240		82 U	81 U	88 U	83 U	88 U	89 U	88 U	97 U	81 U	84 U
4-Chloroaniline	UG/KG	220	312857	82 U	81 U	88 U	83 U	88 U	89 U	88 U	97 U	81 U	84 U
4-Chlorophenyl phenyl ether	UG/KG			82 U	81 U	88 U	83 U	88 U	89 U	88 U	97 U	81 U	84 U
4-Methylphenol	UG/KG	900		82 U	81 U	88 U	83 U	88 U	89 U	88 U	97 U	81 U	84 U
4-Nitroaniline	UG/KG		234643	200 U	200 U	210 U	200 U	210 U	220 U	210 U	240 U	200 U	200 U
4-Nitrophenol	UG/KG	100	4692857	200 U	200 U	210 U	200 U	210 U	220 U	210 U	240 U	200 U	200 U
Acenaphthene	UG/KG	50000		82 U	81 U	88 U	83 U	88 U	89 U	88 U	97 U	81 U	84 U
Acenaphthylene	UG/KG	41000		82 U	81 U	88 U	83 U	88 U	89 U	88 U	97 U	81 U	84 U
Anthracene	UG/KG	50000	23464286	82 U	81 U	88 U	83 U	88 U	89 U	88 U	97 U	81 U	84 U
Benzo[a]anthracene	UG/KG	224	875	96 J	81 U	88 U	83 U	47 J	89 U	88 U	12 J	95 J	84 U
Benzo[a]pyrene	UG/KG	61	88	11 J	49 J	88 U	83 U	52 J	46 J	88 U	27 J	13 J	84 U
Benzo[b]fluoranthene	UG/KG	1100	875	12 J	57 J	85 J	83 U	94 J	51 J	63 J	35 J	13 J	10 JY
Benzo[ghi]perylene	UG/KG	50000		86 J	65 J	88 U	83 U	88 U	46 J	88 U	26 J	15 J	84 U
Benzo[k]fluoranthene	UG/KG	1100	8750	13 J	45 J	88 U	83 U	59 J	67 J	52 J	31 J	13 J	84 U
Bis(2-Chloroethoxy)methane	UG/KG			82 U	81 U	88 U	83 U	88 U	89 U	88 U	97 U	81 U	84 U
Bis(2-Chloroethyl)ether	UG/KG		581	82 U	81 U	88 U	83 U	88 U	89 U	88 U	97 U	81 U	84 U
Bis(2-Chloroisopropyl)ether	UG/KG		9125	82 U	81 U	88 U	83 U	88 U	89 U	88 U	97 U	81 U	84 U
Bis(2-Ethylhexyl)phthalate	UG/KG	50000	45625	91 J	95 J	88 U	83 U	13 J	89 U	12 J	28 J	81 U	72 J
Butylbenzylphthalate	UG/KG	50000	15642857	82 U	81 U	88 U	83 U	88 U	81 JB	88 U	97 U	81 U	84 U
Carbazole	UG/KG		31938	82 U	81 U	88 U	83 U	88 U	89 U	88 U	97 U	81 U	84 U
Chrysene	UG/KG	400	87500	13 J	81 U	88 U	83 U	8 J	6 J	64 J	25 J	15 J	51 J
Di-n-butylphthalate	UG/KG	8100		82 U	81 U	88 U	83 U	57 J	89 U	88 U	98 J	81 U	84 U
Di-n-octylphthalate	UG/KG	50000	1564286	82 U	81 U	88 U	83 U	88 U	89 U	88 U	97 U	81 U	84 U
Dibenz[a,h]anthracene	UG/KG	14		82 U	63 J	88 U	83 U	88 U	89 U	88 U	14 J	81 U	84 U
Dibenzofuran	UG/KG	6200	312857	82 U	81 U	88 U	83 U	88 U	89 U	88 U	97 U	81 U	84 U
Diethyl phthalate	UG/KG	7100	62571429	13 JB	91 JB	88 U	82 BJ	25 JB	14 JB	17 JB	99 JB	57 JB	17 JB
Dimethylphthalate	UG/KG	2000	782142857	82 U	81 U	88 U	83 U	88 U	89 U	88 U	97 U	81 U	84 U
Ethylene Glycol	MG/KG		156428571										
Fluoranthene	UG/KG	50000	3126571	24 J	81 U	58 J	83 U	11 J	87 J	86 J	26 J	20 J	71 J
Fluorene	UG/KG	50000	3126571	82 U	81 U	88 U	83 U	88 U	89 U	88 U	97 U	81 U	84 U
Hexachlorobenzene	UG/KG	410	399	82 U	81 U	88 U	83 U	88 U	89 U	88 U	97 U	81 U	84 U
Hexachlorobutadiene	UG/KG		8189	82 U	81 U	88 U	83 U	88 U	89 U	88 U	97 U	81 U	84 U
Hexachlorocyclopentadiene	UG/KG		547500	82 U	81 U	88 U	83 U	88 U	89 U	88 U	97 U	81 U	84 U
Hexachloroethane	UG/KG		45625	82 U	81 U	88 U	83 U	88 U	89 U	88 U	97 U	81 U	84 U
Indeno[1,2,3-cd]pyrene	UG/KG	3200	875	87 J	65 J	88 U	83 U	66 J	48 J	88 U	20 J	15 J	5 J
Isophorone	UG/KG	4400		82 U	81 U	88 U	83 U	88 U	89 U	88 U	97 U	81 U	84 U
N-Nitrosodiphenylamine	UG/KG		130357	82 U	81 U	88 U	83 U	88 U	89 U	88 U	97 U	81 U	84 U
N-Nitrosodipropylamine	UG/KG			82 U	81 U	88 U	83 U	88 U	89 U	88 U	97 U	81 U	84 U
Naphthalene	UG/KG	13000	3126571	82 U	81 U	88 U	83 U	88 U	89 U	88 U	97 U	81 U	84 U
Nitrobenzene	UG/KG	200	39107	82 U	81 U	88 U	83 U	88 U	89 U	88 U	97 U	81 U	84 U
Pentachlorophenol	UG/KG	1000	5323	200 U	200 U	210 U	200 U	210 U	220 U	210 U	240 U	200 U	200 U
Phenanthrene	UG/KG	50000		14 J	81 U	88 U	83 U	71 J	89 U	48 J	17 J	14 J	84 U
Phenol	UG/KG	30	46928571	82 U	81 U	88 U	83 U	88 U	89 U	88 U	97 U	81 U	84 U
Propylene Glycol	MG/KG												
Pyrene	UG/KG	50000	2346429	18 J	81 U	54 J	83 U	10 J	82 J	73 J	30 J	22 J	66 J
TPH	MG/KG			18 3 U	18 9 U	34 8	19 U	22 1	39 4	21 U	115	221	16 3 U

SITE				SEAD-123D	
DESCRIPTION				Area West of Bldg 715	
LOC ID				TP123D-5	
SAMP ID				EB101	
QC CODE				SA	
SAMP DETH TOP				4 1	
SAMP DEPTH BOT				4 1	
MATRIX				SOIL	
SAMP DATE				4-Mar-98	
PARAMETER	UNIT	TAGM	PRG-RES	VALUE	Q
1,2,4-Trichlorobenzene	UG/KG	3400	782143	86	U
1,2-Dichlorobenzene	UG/KG	7900	7039286	86	U
1,3-Dichlorobenzene	UG/KG	1600	6961071	86	U
1,4-Dichlorobenzene	UG/KG	8500	26615	86	U
2,4,5-Trichlorophenol	UG/KG	100	7821429	210	U
2,4,6-Trichlorophenol	UG/KG		58068	86	U
2,4-Dichlorophenol	UG/KG	400	234643	88	U
2,4-Dimethylphenol	UG/KG		1564286	88	U
2,4-Dinitrophenol	UG/KG	200	156429	210	U
2,4-Dinitrotoluene	UG/KG		156429	86	U
2,6-Dinitrotoluene	UG/KG	1000	78214	86	U
2-Chloronaphthalene	UG/KG			86	U
2-Chlorophenol	UG/KG	800	391071	86	U
2-Methylnaphthalene	UG/KG	36400		86	U
2-Methylphenol	UG/KG	100	3910714	86	U
2-Nitroaniline	UG/KG	430	4693	210	U
2-Nitrophenol	UG/KG	330		86	U
3,3'-Dichlorobenzidine	UG/KG		1419	86	U
3-Nitroaniline	UG/KG	500	234643	210	U
4,6-Dinitro-2-methylphenol	UG/KG			210	U
4-Bromophenyl phenyl ether	UG/KG		4536429	86	U
4-Chloro-3-methylphenol	UG/KG	240		86	U
4-Chloroaniline	UG/KG	220	312857	86	U
4-Chlorophenyl phenyl ether	UG/KG			86	U
4-Methylphenol	UG/KG	900		86	U
4-Nitroaniline	UG/KG		234643	210	U
4-Nitrophenol	UG/KG	100	4692857	210	U
Acenaphthene	UG/KG	50000		86	U
Acenaphthylene	UG/KG	41000		86	U
Anthracene	UG/KG	50000	23464286	86	U
Benzo[a]anthracene	UG/KG	224	875	86	U
Benzo[a]pyrene	UG/KG	61	88	4 5	J
Benzo[b]fluoranthene	UG/KG	1100	875	8 8	J
Benzo[ghi]perylene	UG/KG	50000		88	U
Benzo[k]fluoranthene	UG/KG	1100	8750	4 5	J
Bis(2 Chloroethoxy)methane	UG/KG			88	U
Bis(2-Chloroethyl)ether	UG/KG		581	88	U
Bis(2-Chloroisopropyl)ether	UG/KG		9125	86	U
Bis(2-Ethylhexyl)phthalate	UG/KG	50000	45625	7 3	J
Butylbenzylphthalate	UG/KG	50000	15642857	5 4	JB
Carbazole	UG/KG		31938	86	U
Chrysene	UG/KG	400	87500	6 9	J
Di-n-butylphthalate	UG/KG	8100		86	U
Di-n-octylphthalate	UG/KG	50000	1564286	86	U
Dibenz[a,h]anthracene	UG/KG	14		86	U
Dibenzofuran	UG/KG	6200	312857	86	U
Diethyl phthalate	UG/KG	7100	62571429	18	JB
Dimethylphthalate	UG/KG	2000	782142857	86	U
Ethylene Glycol	MG/KG		156428571		
Fluoranthene	UG/KG	50000	3128571	8 2	J
Fluorene	UG/KG	50000	3128571	88	U
Hexachlorobenzene	UG/KG	410	399	86	U
Hexachlorobutadiene	UG/KG		8189	86	U
Hexachlorocyclopentadiene	UG/KG		547500	86	U
Hexachloroethane	UG/KG		45625	86	U
Indeno(1,2,3-cd)pyrene	UG/KG	3200	875	5 4	J
Isophorone	UG/KG	4400		86	U
N-Nitrosodiphenylamine	UG/KG		130357	86	U
N-Nitrosodipropylamine	UG/KG			86	U
Naphthalene	UG/KG	13000	3128571	86	U
Nitrobenzene	UG/KG	200	39107	86	U
Pentachlorophenol	UG/KG	1000	5323	210	U
Phenanthrene	UG/KG	50000		4 6	J
Phenol	UG/KG	30	46928571	86	U
Propylene Glycol	MG/KG				
Pyrene	UG/KG	50000	2346429	6 6	J
TPH	MG/KG			19 7	U

Table 11-6
123D - Metals in Soil vs TAGMs
Non-Evaluated EBS Sites

SITE:				SEAD-123D Area West of Bldg. 715		SEAD-123D Area West of Bldg. 715		SEAD-123D Area West of Bldg. 715		SEAD-123D Area West of Bldg. 715		SEAD-123D Area West of Bldg. 715	
DESCRIPTION:													
LOC ID:				TP123D-1		TP123D-1		TP123D-2		TP123D-2		TP123D-3	
SAMP ID:				EB108		EB109		EB106		EB107		EB001	
QC CODE:				SA		SA		SA		SA		DU	
SAMP. DETH TOP:				0.5		1		0.5		1.5		0.5	
SAMP. DEPTH BOT:				0.5		1		0.5		1.5		0.5	
MATRIX:				SOIL		SOIL		SOIL		SOIL		SOIL	
SAMP. DATE:				5-Mar-98		5-Mar-98		5-Mar-98		5-Mar-98		4-Mar-98	
PARAMETER	UNIT	TAGM	PRG_RES	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q
Aluminum	MG/KG	14592.84	78214.286	12300		11300		11100		[illegible]		14400	
Antimony	MG/KG	3.59	31.285714	0.84	UN	0.8	UN	0.9	UN	0.81	UN	0.8	UN
Arsenic	MG/KG	7.5	0.42583333	4.4		3.6		3.4		5.4		4.7	
Barium	MG/KG	300	5475	54.7		41.5	B	61.4		57.2		101	
Beryllium	MG/KG	0.73	0.14854651	0.34	B	0.34	B	0.23	B	0.51	B	0.34	B
Cadmium	MG/KG	1	39.107143	0.07	U	0.07	U	0.08	U	0.07	U	0.07	U
Calcium	MG/KG	101903.8		2350		1710		1410		236	B	1120	B
Chromium	MG/KG	22.13	78214	16.7		15		13		[illegible]		18.6	
Cobalt	MG/KG	30	4693	10.4	B	9.7	B	6.7	B	13.8		12.1	
Copper	MG/KG	25	3129	14.2		10.6		16.4		[illegible]		13.1	
Cyanide	MG/KG	0.3		0.7	U	0.68	U	0.74	U	0.69	U	0.7	U
Iron	MG/KG	26626.65	23464	20200		23500		15500		[illegible]		21600	
Lead	MG/KG	21.86		16.3		15		[illegible]		14.1		[illegible]	
Magnesium	MG/KG	12221.77		2940		2570		2030		3640		3020	
Manganese	MG/KG	669.38	1799	662		[illegible]		[illegible]		287		[illegible]	
Mercury	MG/KG	0.1	23	0.06	U	0.06	U	[illegible]	B	0.06	U	0.06	U
Nickel	MG/KG	33.62	1564	18.6		16.1		13.4		25.4		22.6	
Potassium	MG/KG	1761.48		1350		763	B	911	B	1360		1260	
Selenium	MG/KG	2	391	1.1	U	1.1	U	1.2	U	1.1	U	1.1	U
Silver	MG/KG	0.4	391	0.51	U	0.48	U	0.54	U	0.49	U	0.48	U
Sodium	MG/KG	103.74		146	U	139	U	155	U	141	U	139	U
Thallium	MG/KG	0.28	6	1.5	U	1.4	U	1.6	U	1.5	U	1.4	U
Vanadium	MG/KG	150	548	22.5	E	23.5	E	19.3	E	27.8	E	23.2	E
Zinc	MG/KG	82.5	23464.286	73.7		60.6		71.4		67.8		[illegible]	

Table 11-6
123D - Metals in Soil vs TAGMs
Non-Evaluated EBS Sites

SITE:				SEAD-123D	SEAD-123D	SEAD-123D	SEAD-123D
DESCRIPTION:				Area West of Bldg. 715	Area West of Bldg. 715	Area West of Bldg. 715	Area West of Bldg. 715
LOC ID:				TP123D-3	TP123D-3	TP123D-4	TP123D-4
SAMP ID:				EB102	EB103	EB104	EB105
QC CODE:				SA	SA	SA	SA
SAMP. DETH TOP:				0.5	2	0.5	1
SAMP. DEPTH BOT:				0.5	2	0.5	1
MATRIX:				SOIL	SOIL	SOIL	SOIL
SAMP. DATE:				4-Mar-98	4-Mar-98	5-Mar-98	5-Mar-98
PARAMETER	UNIT	TAGM	PRG_RES	VALUE Q	VALUE Q	VALUE Q	VALUE Q
Aluminum	MG/KG	14592.84	78214.286	[redacted]	13900	10900	10400
Antimony	MG/KG	3.59	31.285714	0.82 UN	0.82 UN	1 UN	0.8 UN
Arsenic	MG/KG	7.5	0.42583333	3.9	3.8	3.2	4.9
Barium	MG/KG	300	5475	86.3	104	104	103
Beryllium	MG/KG	0.73	0.14854651	0.45 B	0.33 B	0.32 B	0.26 B
Cadmium	MG/KG	1	39.107143	0.07 U	0.07 U	0.09 U	0.07 U
Calcium	MG/KG	101903.8		1290	1430	9800	14100
Chromium	MG/KG	22.13	78214	20.9	18.1	13.1	17.9
Cobalt	MG/KG	30	4693	12.8	12.3	8.8 B	9.3 B
Copper	MG/KG	25	3129	17.1	14.3	22.6	[redacted]
Cyanide	MG/KG	0.3		0.71 U	0.7 U	0.8 U	0.65 U
Iron	MG/KG	26626.65	23464	24100	21500	16800	[redacted]
Lead	MG/KG	21.86		21	[redacted]	[redacted]	20.8
Magnesium	MG/KG	12221.77		3450	3020	3430	6920
Manganese	MG/KG	669.38	1799	[redacted]	[redacted]	[redacted]	[redacted]
Mercury	MG/KG	0.1	23	0.06 U	0.06 U	0.1 B	0.08 B
Nickel	MG/KG	33.62	1564	25.1	23.1	15.9	18.7
Potassium	MG/KG	1761.48		1350	1210	1470	1160
Selenium	MG/KG	2	391	1.1 U	1.1 U	1.5 B	1.1 U
Silver	MG/KG	0.4	391	0.49 U	0.49 U	0.62 U	0.48 U
Sodium	MG/KG	103.74		142 U	142 U	178 U	138 U
Thallium	MG/KG	0.28	6	1.5 U	1.5 U	1.8 U	1.4 U
Vanadium	MG/KG	150	548	25.8 E	21.8 E	20.5 E	19.7 E
Zinc	MG/KG	82.5	23464.286	[redacted]	[redacted]	[redacted]	80.2

Table 11-6
123D - Metals in Soil vs TAGMs
Non-Evaluated EBS Sites

SITE:				SEAD-123D		SEAD-123D	
DESCRIPTION:				Area West of Bldg. 715		Area West of Bldg. 715	
LOC ID:				TP123D-5		TP123D-5	
SAMP ID:				EB100		EB101	
QC CODE:				SA		SA	
SAMP. DETH TOP:				1.5		4.1	
SAMP. DEPTH BOT:				1.5		4.1	
MATRIX:				SOIL		SOIL	
SAMP. DATE:				4-Mar-98		4-Mar-98	
PARAMETER	UNIT	TAGM	PRG_RES	VALUE	Q	VALUE	Q
Aluminum	MG/KG	14592.84	78214.286	11800		[redacted]	
Antimony	MG/KG	3.59	31.285714	0.84	UN	0.88	UN
Arsenic	MG/KG	7.5	0.42583333	2.9		3.3	
Barium	MG/KG	300	5475	75.4		126	
Beryllium	MG/KG	0.73	0.14854651	0.35	B	0.43	B
Cadmium	MG/KG	1	39.107143	0.07	U	0.08	U
Calcium	MG/KG	101903.8		1490		2990	
Chromium	MG/KG	22.13	78214	15.4		20.1	
Cobalt	MG/KG	30	4693	9.6	B	11	B
Copper	MG/KG	25	3129	12.4		13.8	
Cyanide	MG/KG	0.3		0.67	U	0.67	U
Iron	MG/KG	26626.65	23464	19000		22600	
Lead	MG/KG	21.86		14.5		19.4	
Magnesium	MG/KG	12221.77		2650		3240	
Manganese	MG/KG	669.38	1799	546		[redacted]	
Mercury	MG/KG	0.1	23	0.06	U	0.07	U
Nickel	MG/KG	33.62	1564	18.4		24	
Potassium	MG/KG	1761.48		976	B	1240	B
Selenium	MG/KG	2	391	1.1	U	1.2	U
Silver	MG/KG	0.4	391	0.5	U	0.53	U
Sodium	MG/KG	103.74		146	U	152	U
Thallium	MG/KG	0.28	6	1.5	U	1.6	U
Vanadium	MG/KG	150	548	19.3	E	24.5	E
Zinc	MG/KG	82.5	23464.286	64.2		79.8	

Table 11-7
123D - Metals in Soil vs PRG-RES
Non-Evaluated EBS Sites

4/10/98

SITE:				SEAD-123D		SEAD-123D		SEAD-123D		SEAD-123D		SEAD-123D	
DESCRIPTION:				Area West of Bldg. 715		Area West of Bldg. 715		Area West of Bldg. 715		Area West of Bldg. 715		Area West of Bldg. 715	
LOC ID:				TP123D-1		TP123D-1		TP123D-2		TP123D-2		TP123D-3	
SAMP ID:				EB108		EB109		EB106		EB107		EB001	
QC CODE:				SA		SA		SA		SA		DU	
SAMP. DETH TOP:				0.5		1		0.5		1.5		0.5	
SAMP. DEPTH BOT:				0.5		1		0.5		1.5		0.5	
MATRIX:				SOIL		SOIL		SOIL		SOIL		SOIL	
SAMP. DATE:				5-Mar-98		5-Mar-98		5-Mar-98		5-Mar-98		4-Mar-98	
PARAMETER	UNIT	TAGM	PRG_RES	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q
Aluminum	MG/KG	14592.84	78214.286	12300		11300		11100		16500		14400	
Antimony	MG/KG	3.59	31.285714	0.84	UN	0.8	UN	0.9	UN	0.81	UN	0.8	UN
Arsenic	MG/KG	7.5	0.42583333	4.4		3.6		3.4		5.4		[illegible]	
Barium	MG/KG	300	5475	54.7		41.5	B	61.4		57.2		101	
Beryllium	MG/KG	0.73	0.14854651	0.34	B	[illegible]	B	[illegible]	B	[illegible]	B	0.34	B
Cadmium	MG/KG	1	39.107143	0.07	U	0.07	U	0.08	U	0.07	U	0.07	U
Calcium	MG/KG	101903.8		2350		1710		1410		236	B	1120	B
Chromium	MG/KG	22.13	78214	16.7		15		13		22.6		18.6	
Cobalt	MG/KG	30	4693	10.4	B	9.7	B	6.7	B	13.8		12.1	
Copper	MG/KG	25	3129	14.2		10.6		16.4		26.7		13.1	
Cyanide	MG/KG	0.3		0.7	U	0.68	U	0.74	U	0.69	U	0.7	U
Iron	MG/KG	26626.65	23464	20200		[illegible]		15500		[illegible]		21600	
Lead	MG/KG	21.86		16.3		15		24.3		14.1		28.2	
Magnesium	MG/KG	12221.77		2940		2570		2030		3640		3020	
Manganese	MG/KG	669.38	1799	662		772		755		287		930	
Mercury	MG/KG	0.1	23	0.06	U	0.06	U	0.13	B	0.06	U	0.06	U
Nickel	MG/KG	33.62	1564	18.6		16.1		13.4		25.4		22.6	
Potassium	MG/KG	1761.48		1350		763	B	911	B	1360		1260	
Selenium	MG/KG	2	391	1.1	U	1.1	U	1.2	U	1.1	U	1.1	U
Silver	MG/KG	0.4	391	0.51	U	0.48	U	0.54	U	0.49	U	0.48	U
Sodium	MG/KG	103.74		146	U	139	U	155	U	141	U	139	U
Thallium	MG/KG	0.28	6	1.5	U	1.4	U	1.6	U	1.5	U	1.4	U
Vanadium	MG/KG	150	548	22.5	E	23.5	E	19.3	E	27.8	E	23.2	E
Zinc	MG/KG	82.5	23464.286	73.7		60.6		71.4		67.8		90	

Table 11-7
123D - Metals in Soil vs PRG-RES
Non-Evaluated EBS Sites

SITE:				SEAD-123D		SEAD-123D		SEAD-123D		SEAD-123D	
DESCRIPTION:				Area West of Bldg. 715		Area West of Bldg. 715		Area West of Bldg. 715		Area West of Bldg. 715	
LOC ID:				TP123D-3		TP123D-3		TP123D-4		TP123D-4	
SAMP ID:				EB102		EB103		EB104		EB105	
QC CODE:				SA		SA		SA		SA	
SAMP. DETH TOP:				0.5		2		0.5		1	
SAMP. DEPTH BOT:				0.5		2		0.5		1	
MATRIX:				SOIL		SOIL		SOIL		SOIL	
SAMP. DATE:				4-Mar-98		4-Mar-98		5-Mar-98		5-Mar-98	
PARAMETER	UNIT	TAGM	PRG_RES	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q
Aluminum	MG/KG	14592.84	78214.286	16000		13900		10900		10400	
Antimony	MG/KG	3.59	31.285714	0.82	UN	0.82	UN	1	UN	0.8	UN
Arsenic	MG/KG	7.5	0.42583333	3.9		[illegible]		3.2		4.9	
Barium	MG/KG	300	5475	86.3		104		104		103	
Beryllium	MG/KG	0.73	0.14854651	[illegible]	B	[illegible]	B	[illegible]	B	[illegible]	B
Cadmium	MG/KG	1	39.107143	0.07	U	0.07	U	0.09	U	0.07	U
Calcium	MG/KG	101903.8		1290		1430		9800		14100	
Chromium	MG/KG	22.13	78214	20.9		18.1		13.1		17.9	
Cobalt	MG/KG	30	4693	12.8		12.3		8.8	B	9.3	B
Copper	MG/KG	25	3129	17.1		14.3		22.6		27.2	
Cyanide	MG/KG	0.3		0.71	U	0.7	U	0.8	U	0.65	U
Iron	MG/KG	26626.65	23464	[illegible]		21500		16800		[illegible]	
Lead	MG/KG	21.86		21		31.4		28.7		20.8	
Magnesium	MG/KG	12221.77		3450		3020		3430		6920	
Manganese	MG/KG	669.38	1799	720		1020		697		923	
Mercury	MG/KG	0.1	23	0.06	U	0.06	U	0.1	B	0.08	B
Nickel	MG/KG	33.62	1564	25.1		23.1		15.9		18.7	
Potassium	MG/KG	1761.48		1350		1210		1470		1160	
Selenium	MG/KG	2	391	1.1	U	1.1	U	1.5	B	1.1	U
Silver	MG/KG	0.4	391	0.49	U	0.49	U	0.62	U	0.48	U
Sodium	MG/KG	103.74		142	U	142	U	178	U	138	U
Thallium	MG/KG	0.28	6	1.5	U	1.5	U	1.8	U	1.4	U
Vanadium	MG/KG	150	548	25.8	E	21.8	E	20.5	E	19.7	E
Zinc	MG/KG	82.5	23464.286	100		87		124		80.2	

Table 11-7
123D - Metals in Soil vs PRG-RES
Non-Evaluated EBS Sites

SITE:				SEAD-123D		SEAD-123D	
DESCRIPTION:				Area West of Bldg. 715		Area West of Bldg. 715	
LOC ID:				TP123D-5		TP123D-5	
SAMP ID:				EB100		EB101	
QC CODE:				SA		SA	
SAMP. DETH TOP:				1.5		4.1	
SAMP. DEPTH BOT:				1.5		4.1	
MATRIX:				SOIL		SOIL	
SAMP. DATE:				4-Mar-98		4-Mar-98	
PARAMETER	UNIT	TAGM	PRG_RES	VALUE	Q	VALUE	Q
Aluminum	MG/KG	14592.84	78214.286	11800		15100	
Antimony	MG/KG	3.59	31.285714	0.84	UN	0.88	UN
Arsenic	MG/KG	7.5	0.42583333	2.9		3.3	
Barium	MG/KG	300	5475	75.4		126	
Beryllium	MG/KG	0.73	0.14854651	[illegible]	B	[illegible]	B
Cadmium	MG/KG	1	39.107143	0.07	U	0.08	U
Calcium	MG/KG	101903.8		1490		2990	
Chromium	MG/KG	22.13	78214	15.4		20.1	
Cobalt	MG/KG	30	4693	9.6	B	11	B
Copper	MG/KG	25	3129	12.4		13.8	
Cyanide	MG/KG	0.3		0.67	U	0.67	U
Iron	MG/KG	26626.65	23464	19000		22600	
Lead	MG/KG	21.86		14.5		19.4	
Magnesium	MG/KG	12221.77		2650		3240	
Manganese	MG/KG	669.38	1799	546		1200	
Mercury	MG/KG	0.1	23	0.06	U	0.07	U
Nickel	MG/KG	33.62	1564	18.4		24	
Potassium	MG/KG	1761.48		976	B	1240	B
Selenium	MG/KG	2	391	1.1	U	1.2	U
Silver	MG/KG	0.4	391	0.5	U	0.53	U
Sodium	MG/KG	103.74		146	U	152	U
Thallium	MG/KG	0.28	6	1.5	U	1.6	U
Vanadium	MG/KG	150	548	19.3	E	24.5	E
Zinc	MG/KG	82.5	23464.286	64.2		79.8	

Table 11-8
123D - Pesticides/PCBs in Soil vs TAGMs
Non-Evaluated EBS Sites

SITE:				SEAD-123D	SEAD-123D	SEAD-123D	SEAD-123D	SEAD-123D
DESCRIPTION:				Area West of Bldg. 715	Area West of Bldg. 715	Area West of Bldg. 715	Area West of Bldg. 715	Area West of Bldg. 715
LOC ID:				TP123D-1	TP123D-1	TP123D-2	TP123D-2	TP123D-3
SAMP ID:				EB108	EB109	EB106	EB107	EB001
QC CODE:				SA	SA	SA	SA	DU
SAMP. DETH TOP:				0.5	1	0.5	1.5	0.5
SAMP. DEPTH BOT:				0.5	1	0.5	1.5	0.5
MATRIX:				SOIL	SOIL	SOIL	SOIL	SOIL
SAMP. DATE:				5-Mar-98	5-Mar-98	5-Mar-98	5-Mar-98	4-Mar-98
PARAMETER	UNIT	TAGM	PRG-RES	VALUE Q	VALUE Q	VALUE Q	VALUE Q	VALUE Q
4,4`-DDD	UG/KG	2900	2661	4.1 U	4.1 U	4.4 U	4.2 U	4.4 U
4,4`-DDE	UG/KG	2100	1879	4.1 U	4.1 U	2.7 J	4.2 U	4.4 U
4,4`-DDT	UG/KG	2100	1879	4.1 U	4.1 U	4.4 U	4.2 U	4.4 U
Aldrin	UG/KG	41	38	2.1 U	2.1 U	2.3 U	2.2 U	2.3 U
Alpha-BHC	UG/KG	110		2.1 U	2.1 U	2.3 U	2.2 U	2.3 U
Alpha-Chlordane	UG/KG			2.1 U	2.1 U	2.3 U	2.2 U	2.3 U
Aroclor-1016	UG/KG		5475	41 U	41 U	44 U	42 U	44 U
Aroclor-1221	UG/KG			84 U	83 U	89 U	85 U	89 U
Aroclor-1232	UG/KG			41 U	41 U	44 U	42 U	44 U
Aroclor-1242	UG/KG			41 U	41 U	44 U	42 U	44 U
Aroclor-1248	UG/KG			41 U	41 U	44 U	42 U	44 U
Aroclor-1254	UG/KG	10000	1564	41 U	41 U	44 U	42 U	44 U
Aroclor-1260	UG/KG	10000		41 U	41 U	44 U	42 U	44 U
Beta-BHC	UG/KG	200		2.1 U	2.1 U	2.3 U	2.2 U	2.3 U
Delta-BHC	UG/KG	300		2.1 U	2.1 U	2.3 U	2.2 U	2.3 U
Dieldrin	UG/KG	44	40	4.1 U	4.1 U	4.4 U	4.2 U	4.4 U
Endosulfan I	UG/KG	900	469286	2.1 U	2.1 U	2.3 U	2.2 U	2.3 U
Endosulfan II	UG/KG	900	469286	4.1 U	4.1 U	4.4 U	4.2 U	4.4 U
Endosulfan sulfate	UG/KG	1000		4.1 U	4.1 U	4.4 U	4.2 U	4.4 U
Endrin	UG/KG	100	23464	4.1 U	4.1 U	4.4 U	4.2 U	4.4 U
Endrin aldehyde	UG/KG		23464	4.1 U	4.1 U	4.4 U	4.2 U	4.4 U
Endrin ketone	UG/KG		23464	4.1 U	4.1 U	4.4 U	4.2 U	4.4 U
Gamma-BHC/Lindane	UG/KG	60		2.1 U	2.1 U	2.3 U	2.2 U	2.3 U
Gamma-Chlordane	UG/KG	540		2.1 U	2.1 U	2.3 U	2.2 U	2.3 U
Heptachlor	UG/KG	100	142	2.1 U	2.1 U	2.3 U	2.2 U	2.3 U
Heptachlor epoxide	UG/KG	20	70	2.1 U	2.1 U	2.3 U	2.2 U	2.3 U
Methoxychlor	UG/KG		391071	21 U	21 U	23 U	22 U	23 U
Toxaphene	UG/KG			210 U	210 U	230 U	220 U	230 U

Table 11-8
123D - Pesticides/PCBs in Soil vs TAGMs
Non-Evaluated EBS Sites

SITE:				SEAD-123D		SEAD-123D		SEAD-123D		SEAD-123D		SEAD-123D	
DESCRIPTION:				Area West of Bldg. 715		Area West of Bldg. 715		Area West of Bldg. 715		Area West of Bldg. 715		Area West of Bldg. 715	
LOC ID:				TP123D-3		TP123D-3		TP123D-4		TP123D-4		TP123D-5	
SAMP ID:				EB102		EB103		EB104		EB105		EB100	
QC CODE:				SA		SA		SA		SA		SA	
SAMP. DETH TOP:				0.5		2		0.5		1		1.5	
SAMP. DEPTH BOT:				0.5		2		0.5		1		1.5	
MATRIX:				SOIL		SOIL		SOIL		SOIL		SOIL	
SAMP. DATE:				4-Mar-98		4-Mar-98		5-Mar-98		5-Mar-98		4-Mar-98	
PARAMETER	UNIT	TAGM	PRG-RES	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q
4,4`-DDD	UG/KG	2900	2661	4.4	U	4.4	U	4.8	U	4.1	U	4.2	U
4,4`-DDE	UG/KG	2100	1879	4.4	U	4.4	U	4.8	U	4.1	U	4.2	U
4,4`-DDT	UG/KG	2100	1879	4.4	U	4.4	U	3	J	4.6		4.2	U
Aldrin	UG/KG	41	38	2.3	U	2.3	U	2.5	U	2.1	U	2.2	U
Alpha-BHC	UG/KG	110		2.3	U	2.3	U	2.5	U	2.1	U	2.2	U
Alpha-Chlordane	UG/KG			2.3	U	2.3	U	2.5	U	2.1	U	2.2	U
Aroclor-1016	UG/KG		5475	44	U	44	U	48	U	41	U	42	U
Aroclor-1221	UG/KG			90	U	89	U	98	U	83	U	85	U
Aroclor-1232	UG/KG			44	U	44	U	48	U	41	U	42	U
Aroclor-1242	UG/KG			44	U	44	U	48	U	41	U	42	U
Aroclor-1248	UG/KG			44	U	44	U	48	U	41	U	42	U
Aroclor-1254	UG/KG	10000	1564	44	U	44	U	48	U	41	U	42	U
Aroclor-1260	UG/KG	10000		44	U	44	U	48	U	41	U	42	U
Beta-BHC	UG/KG	200		2.3	U	2.3	U	2.5	U	2.1	U	2.2	U
Delta-BHC	UG/KG	300		2.3	U	2.3	U	2.5	U	2.1	U	2.2	U
Dieldrin	UG/KG	44	40	4.4	U	4.4	U	4.8	U	4.1	U	4.2	U
Endosulfan I	UG/KG	900	469286	2.3	U	2.3	U	1.8	JP	2.1	U	2.2	U
Endosulfan II	UG/KG	900	469286	4.4	U	4.4	U	4.8	U	4.1	U	4.2	U
Endosulfan sulfate	UG/KG	1000		4.4	U	4.4	U	4.8	U	4.1	U	4.2	U
Endrin	UG/KG	100	23464	4.4	U	4.4	U	4.8	U	4.1	U	4.2	U
Endrin aldehyde	UG/KG		23464	4.4	U	4.4	U	4.8	U	4.1	U	4.2	U
Endrin ketone	UG/KG		23464	4.4	U	4.4	U	4.8	U	4.1	U	4.2	U
Gamma-BHC/Lindane	UG/KG	60		2.3	U	2.3	U	2.5	U	2.1	U	2.2	U
Gamma-Chlordane	UG/KG	540		2.3	U	2.3	U	2.5	U	2.1	U	2.2	U
Heptachlor	UG/KG	100	142	2.3	U	2.3	U	2.5	U	2.1	U	2.2	U
Heptachlor epoxide	UG/KG	20	70	2.3	U	2.3	U	2.5	U	2.1	U	2.2	U
Methoxychlor	UG/KG		391071	23	U	23	U	25	U	21	U	22	U
Toxaphene	UG/KG			230	U	230	U	250	U	210	U	220	U

Table 11-8
123D - Pesticides/PCBs in Soil vs TAGMs
Non-Evaluated EBS Sites

SITE:	SEAD-123D
DESCRIPTION:	Area West of Bldg. 715
LOC ID:	TP123D-5
SAMP ID:	EB101
QC CODE:	SA
SAMP. DETH TOP:	4.1
SAMP. DEPTH BOT:	4.1
MATRIX:	SOIL
SAMP. DATE:	4-Mar-98

PARAMETER	UNIT	TAGM	PRG-RES	VALUE	Q
4,4`-DDD	UG/KG	2900	2661	4.3	U
4,4`-DDE	UG/KG	2100	1879	4.3	U
4,4`-DDT	UG/KG	2100	1879	4.3	U
Aldrin	UG/KG	41	38	2.2	U
Alpha-BHC	UG/KG	110		2.2	U
Alpha-Chlordane	UG/KG			2.2	U
Aroclor-1016	UG/KG		5475	43	U
Aroclor-1221	UG/KG			87	U
Aroclor-1232	UG/KG			43	U
Aroclor-1242	UG/KG			43	U
Aroclor-1248	UG/KG			43	U
Aroclor-1254	UG/KG	10000	1564	43	U
Aroclor-1260	UG/KG	10000		43	U
Beta-BHC	UG/KG	200		2.2	U
Delta-BHC	UG/KG	300		2.2	U
Dieldrin	UG/KG	44	40	4.3	U
Endosulfan I	UG/KG	900	469286	2.2	U
Endosulfan II	UG/KG	900	469286	4.3	U
Endosulfan sulfate	UG/KG	1000		4.3	U
Endrin	UG/KG	100	23464	4.3	U
Endrin aldehyde	UG/KG		23464	4.3	U
Endrin ketone	UG/KG		23464	4.3	U
Gamma-BHC/Lindane	UG/KG	60		2.2	U
Gamma-Chlordane	UG/KG	540		2.2	U
Heptachlor	UG/KG	100	142	2.2	U
Heptachlor epoxide	UG/KG	20	70	2.2	U
Methoxychlor	UG/KG		391071	22	U
Toxaphene	UG/KG			220	U

Table 11-9
123D - Pesticides/PCBs in Soils vs PRG-RES
Non-Evaluated EBS Sites

SITE:				SEAD-123D		SEAD-123D		SEAD-123D		SEAD-123D		SEAD-123D	
DESCRIPTION:				Area West of Bldg. 715		Area West of Bldg. 715		Area West of Bldg. 715		Area West of Bldg. 715		Area West of Bldg. 715	
LOC ID:				TP123D-1		TP123D-1		TP123D-2		TP123D-2		TP123D-3	
SAMP ID:				EB108		EB109		EB106		EB107		EB001	
QC CODE:				SA		SA		SA		SA		DU	
SAMP. DETH TOP:				0.5		1		0.5		1.5		0.5	
SAMP. DEPTH BOT:				0.5		1		0.5		1.5		0.5	
MATRIX:				SOIL		SOIL		SOIL		SOIL		SOIL	
SAMP. DATE:				5-Mar-98		5-Mar-98		5-Mar-98		5-Mar-98		4-Mar-98	
PARAMETER	UNIT	TAGM	PRG-RES	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q
4,4`-DDD	UG/KG	2900	2661	4.1	U	4.1	U	4.4	U	4.2	U	4.4	U
4,4`-DDE	UG/KG	2100	1879	4.1	U	4.1	U	2.7	J	4.2	U	4.4	U
4,4`-DDT	UG/KG	2100	1879	4.1	U	4.1	U	4.4	U	4.2	U	4.4	U
Aldrin	UG/KG	41	38	2.1	U	2.1	U	2.3	U	2.2	U	2.3	U
Alpha-BHC	UG/KG	110		2.1	U	2.1	U	2.3	U	2.2	U	2.3	U
Alpha-Chlordane	UG/KG			2.1	U	2.1	U	2.3	U	2.2	U	2.3	U
Aroclor-1016	UG/KG		5475	41	U	41	U	44	U	42	U	44	U
Aroclor-1221	UG/KG			84	U	83	U	89	U	85	U	89	U
Aroclor-1232	UG/KG			41	U	41	U	44	U	42	U	44	U
Aroclor-1242	UG/KG			41	U	41	U	44	U	42	U	44	U
Aroclor-1248	UG/KG			41	U	41	U	44	U	42	U	44	U
Aroclor-1254	UG/KG	10000	1564	41	U	41	U	44	U	42	U	44	U
Aroclor-1260	UG/KG	10000		41	U	41	U	44	U	42	U	44	U
Beta-BHC	UG/KG	200		2.1	U	2.1	U	2.3	U	2.2	U	2.3	U
Delta-BHC	UG/KG	300		2.1	U	2.1	U	2.3	U	2.2	U	2.3	U
Dieldrin	UG/KG	44	40	4.1	U	4.1	U	4.4	U	4.2	U	4.4	U
Endosulfan I	UG/KG	900	469286	2.1	U	2.1	U	2.3	U	2.2	U	2.3	U
Endosulfan II	UG/KG	900	469286	4.1	U	4.1	U	4.4	U	4.2	U	4.4	U
Endosulfan sulfate	UG/KG	1000		4.1	U	4.1	U	4.4	U	4.2	U	4.4	U
Endrin	UG/KG	100	23464	4.1	U	4.1	U	4.4	U	4.2	U	4.4	U
Endrin aldehyde	UG/KG		23464	4.1	U	4.1	U	4.4	U	4.2	U	4.4	U
Endrin ketone	UG/KG		23464	4.1	U	4.1	U	4.4	U	4.2	U	4.4	U
Gamma-BHC/Lindane	UG/KG	60		2.1	U	2.1	U	2.3	U	2.2	U	2.3	U
Gamma-Chlordane	UG/KG	540		2.1	U	2.1	U	2.3	U	2.2	U	2.3	U
Heptachlor	UG/KG	100	142	2.1	U	2.1	U	2.3	U	2.2	U	2.3	U
Heptachlor epoxide	UG/KG	20	70	2.1	U	2.1	U	2.3	U	2.2	U	2.3	U
Methoxychlor	UG/KG		391071	21	U	21	U	23	U	22	U	23	U
Toxaphene	UG/KG			210	U	210	U	230	U	220	U	230	U

Table 11-9
123D - Pesticides/PCBs in Soils vs PRG-RES
Non-Evaluated EBS Sites

SITE:				SEAD-123D		SEAD-123D		SEAD-123D		SEAD-123D
DESCRIPTION:				Area West of Bldg. 715		Area West of Bldg. 715		Area West of Bldg. 715		Area West of Bldg. 715
LOC ID:				TP123D-3		TP123D-3		TP123D-4		TP123D-4
SAMP ID:				EB102		EB103		EB104		EB105
QC CODE:				SA		SA		SA		SA
SAMP. DETH TOP:				0.5		2		0.5		1
SAMP. DEPTH BOT:				0.5		2		0.5		1
MATRIX:				SOIL		SOIL		SOIL		SOIL
SAMP. DATE:				4-Mar-98		4-Mar-98		5-Mar-98		5-Mar-98
PARAMETER	UNIT	TAGM	PRG-RES	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q
4,4`-DDD	UG/KG	2900	2661	4.4	U	4.4	U	4.8	U	4.1	U
4,4`-DDE	UG/KG	2100	1879	4.4	U	4.4	U	4.8	U	4.1	U
4,4`-DDT	UG/KG	2100	1879	4.4	U	4.4	U	3	J	4.6	
Aldrin	UG/KG	41	38	2.3	U	2.3	U	2.5	U	2.1	U
Alpha-BHC	UG/KG	110		2.3	U	2.3	U	2.5	U	2.1	U
Alpha-Chlordane	UG/KG			2.3	U	2.3	U	2.5	U	2.1	U
Aroclor-1016	UG/KG		5475	44	U	44	U	48	U	41	U
Aroclor-1221	UG/KG			90	U	89	U	98	U	83	U
Aroclor-1232	UG/KG			44	U	44	U	48	U	41	U
Aroclor-1242	UG/KG			44	U	44	U	48	U	41	U
Aroclor-1248	UG/KG			44	U	44	U	48	U	41	U
Aroclor-1254	UG/KG	10000	1564	44	U	44	U	48	U	41	U
Aroclor-1260	UG/KG	10000		44	U	44	U	48	U	41	U
Beta-BHC	UG/KG	200		2.3	U	2.3	U	2.5	U	2.1	U
Delta-BHC	UG/KG	300		2.3	U	2.3	U	2.5	U	2.1	U
Dieldrin	UG/KG	44	40	4.4	U	4.4	U	4.8	U	4.1	U
Endosulfan I	UG/KG	900	469286	2.3	U	2.3	U	1.8	JP	2.1	U
Endosulfan II	UG/KG	900	469286	4.4	U	4.4	U	4.8	U	4.1	U
Endosulfan sulfate	UG/KG	1000		4.4	U	4.4	U	4.8	U	4.1	U
Endrin	UG/KG	100	23464	4.4	U	4.4	U	4.8	U	4.1	U
Endrin aldehyde	UG/KG		23464	4.4	U	4.4	U	4.8	U	4.1	U
Endrin ketone	UG/KG		23464	4.4	U	4.4	U	4.8	U	4.1	U
Gamma-BHC/Lindane	UG/KG	60		2.3	U	2.3	U	2.5	U	2.1	U
Gamma-Chlordane	UG/KG	540		2.3	U	2.3	U	2.5	U	2.1	U
Heptachlor	UG/KG	100	142	2.3	U	2.3	U	2.5	U	2.1	U
Heptachlor epoxide	UG/KG	20	70	2.3	U	2.3	U	2.5	U	2.1	U
Methoxychlor	UG/KG		391071	23	U	23	U	25	U	21	U
Toxaphene	UG/KG			230	U	230	U	250	U	210	U

SITE:				SEAD-123D		SEAD-123D		SEAD-123D		SEAD-123D
DESCRIPTION:				Area West of Bldg. 715		Area West of Bldg. 715		Area West of Bldg. 715		Area West of Bldg. 715
LOC ID:				TP123D-5						
SAMP ID:				EB100						
QC CODE:				SA						
SAMP. DETH TOP:				1.5						
SAMP. DEPTH BOT:				1.5						
MATRIX:				SOIL						
SAMP. DATE:				4-Mar-98						
PARAMETER	UNIT	TAGM	PRG-RES	VALUE	Q					
4,4`-DDD	UG/KG	2900	2661	4.2	U					
4,4`-DDE	UG/KG	2100	1879	4.2	U					
4,4`-DDT	UG/KG	2100	1879	4.2	U					
Aldrin	UG/KG	41	38	2.2	U					
Alpha-BHC	UG/KG	110		2.2	U					
Alpha-Chlordane	UG/KG			2.2	U					
Aroclor-1016	UG/KG		5475	42	U					
Aroclor-1221	UG/KG			85	U					
Aroclor-1232	UG/KG			42	U					
Aroclor-1242	UG/KG			42	U					
Aroclor-1248	UG/KG			42	U					
Aroclor-1254	UG/KG	10000	1564	42	U					
Aroclor-1260	UG/KG	10000		42	U					
Beta-BHC	UG/KG	200		2.2	U					
Delta-BHC	UG/KG	300		2.2	U					
Dieldrin	UG/KG	44	40	4.2	U					
Endosulfan I	UG/KG	900	469286	2.2	U					
Endosulfan II	UG/KG	900	469286	4.2	U					
Endosulfan sulfate	UG/KG	1000		4.2	U					
Endrin	UG/KG	100	23464	4.2	U					
Endrin aldehyde	UG/KG		23464	4.2	U					
Endrin ketone	UG/KG		23464	4.2	U					
Gamma-BHC/Lindane	UG/KG	60		2.2	U					
Gamma-Chlordane	UG/KG	540		2.2	U					
Heptachlor	UG/KG	100	142	2.2	U					
Heptachlor epoxide	UG/KG	20	70	2.2	U					
Methoxychlor	UG/KG		391071	22	U					
Toxaphene	UG/KG			220	U					

Table 11-9
123D - Pesticides/PCBs in Soils vs PRG-RES
Non-Evaluated EBS Sites

SITE:	SEAD-123D
DESCRIPTION:	Area West of Bldg. 715
LOC ID:	TP123D-5
SAMP ID:	EB101
QC CODE:	SA
SAMP. DETH TOP:	4.1
SAMP. DEPTH BOT:	4.1
MATRIX:	SOIL
SAMP. DATE:	4-Mar-98

PARAMETER	UNIT	TAGM	PRG-RES	VALUE	Q
4,4`-DDD	UG/KG	2900	2661	4.3	U
4,4`-DDE	UG/KG	2100	1879	4.3	U
4,4`-DDT	UG/KG	2100	1879	4.3	U
Aldrin	UG/KG	41	38	2.2	U
Alpha-BHC	UG/KG	110		2.2	U
Alpha-Chlordane	UG/KG			2.2	U
Aroclor-1016	UG/KG		5475	43	U
Aroclor-1221	UG/KG			87	U
Aroclor-1232	UG/KG			43	U
Aroclor-1242	UG/KG			43	U
Aroclor-1248	UG/KG			43	U
Aroclor-1254	UG/KG	10000	1564	43	U
Aroclor-1260	UG/KG	10000		43	U
Beta-BHC	UG/KG	200		2.2	U
Delta-BHC	UG/KG	300		2.2	U
Dieldrin	UG/KG	44	40	4.3	U
Endosulfan I	UG/KG	900	469286	2.2	U
Endosulfan II	UG/KG	900	469286	4.3	U
Endosulfan sulfate	UG/KG	1000		4.3	U
Endrin	UG/KG	100	23464	4.3	U
Endrin aldehyde	UG/KG		23464	4.3	U
Endrin ketone	UG/KG		23464	4.3	U
Gamma-BHC/Lindane	UG/KG	60		2.2	U
Gamma-Chlordane	UG/KG	540		2.2	U
Heptachlor	UG/KG	100	142	2.2	U
Heptachlor epoxide	UG/KG	20	70	2.2	U
Methoxychlor	UG/KG		391071	22	U
Toxaphene	UG/KG			220	U

SEAD-123F

Mound North of Post 3

Table 13-1

Sample Collection Information
SEAD-123F - Mound North of Post 3

12 Priority EBS Non-Evaluated Sites
Seneca Army Depot Activity

MATRIX	LOCATION ID	SAMPLE ID	SAMPLE DATE	TOP (feet)	BOTTOM (feet)	QC CODE	RATIONALE FOR SAMPLE LOCATION
SOIL	TP123F	EB110	3/5/98	0.5	0.5	SA	Located at north end of mound based on presence of disturbed area and stressed vegetation in low area. No staining observed on ground surface. Near surface sample taken near north end of disturbed area.
SOIL	TP123F	EB111	3/5/98	1.5	1.5	SA	Same location ID as above. Sample taken at mid-point depth near south end of disturbed area. No VOC hits or indication of impact to soils.

Notes:
SA = Sample

Table 13-2
123F - Volatiles in Soil vs TAGM
Non-Evaluated EBS Sites

SITE:				SEAD-123F	SEAD-123F
DESCRIPTION:				Mound North of Post 3	Mound North of Post 3
LOC ID:				TP123F	TP123F
SAMP ID:				EB110	EB111
QC CODE:				SA	SA
SAMP. DETH TOP:				0.5	1.5
SAMP. DEPTH BOT:				0.5	1.5
MATRIX:				SOIL	SOIL
SAMP. DATE:				5-Mar-98	5-Mar-98
PARAMETER	UNIT	TAGM	PRG-RES	VALUE Q	VALUE Q
1,1,1-Trichloroethane	UG/KG	800	2737500	12 U	12 U
1,1,2,2-Tetrachloroethane	UG/KG	600	31938	12 U	12 U
1,1,2-Trichloroethane	UG/KG		11206	12 U	12 U
1,1-Dichloroethane	UG/KG	200	7821429	12 U	12 U
1,1-Dichloroethene	UG/KG	400	1065	12 U	12 U
1,2-Dichloroethane	UG/KG	100	7821429	12 U	12 U
1,2-Dichloroethene (total)	UG/KG			12 U	12 U
1,2-Dichloropropane	UG/KG		9393	12 U	12 U
Acetone	UG/KG	200	7821429	12 U	7 J
Benzene	UG/KG	60	22026	12 U	12 U
Bromodichloromethane	UG/KG		10302	12 U	12 U
Bromoform	UG/KG		80854	12 U	12 U
Carbon disulfide	UG/KG	2700	7821429	12 U	12 U
Carbon tetrachloride	UG/KG	600	4913	12 U	12 U
Chlorobenzene	UG/KG	1700	1564286	12 U	12 U
Chlorodibromomethane	UG/KG		7604	12 U	12 U
Chloroethane	UG/KG	1900	31285714	12 U	12 U
Chloroform	UG/KG	300	104713	12 U	12 U
Cis-1,3-Dichloropropene	UG/KG			12 U	12 U
Ethyl benzene	UG/KG	5500	7821429	12 U	12 U
Methyl bromide	UG/KG		111846	12 U	12 U
Methyl butyl ketone	UG/KG			12 U	12 U
Methyl chloride	UG/KG		49135	12 U	12 U
Methyl ethyl ketone	UG/KG	300		12 U	12 U
Methyl isobutyl ketone	UG/KG	1000	6257143	12 U	12 U
Methylene chloride	UG/KG	100	85167	12 U	12 U
Styrene	UG/KG			12 U	12 U
Tetrachloroethene	UG/KG	1400	12284	12 U	12 U
Toluene	UG/KG	1500	15642857	12 U	12 U
Total Xylenes	UG/KG	1200		12 U	12 U
Trans-1,3-Dichloropropene	UG/KG			12 U	12 U
Trichloroethene	UG/KG	700	58068	12 U	12 U
Vinyl chloride	UG/KG	200	336	12 U	12 U

Table 13-3
123F - Volatiles in Soil vs PRG-RES
Non-Evaluated EBS Sites

SITE:				SEAD-123F	SEAD-123F
DESCRIPTION:				Mound North of Post 3	Mound North of Post 3
LOC ID:				TP123F	TP123F
SAMP ID:				EB110	EB111
QC CODE:				SA	SA
SAMP. DETH TOP:				0.5	1.5
SAMP. DEPTH BOT:				0.5	1.5
MATRIX:				SOIL	SOIL
SAMP. DATE:				5-Mar-98	5-Mar-98
PARAMETER	UNIT	TAGM	PRG-RES	VALUE Q	VALUE Q
1,1,1-Trichloroethane	UG/KG	800	2737500	12 U	12 U
1,1,2,2-Tetrachloroethane	UG/KG	600	31938	12 U	12 U
1,1,2-Trichloroethane	UG/KG		11206	12 U	12 U
1,1-Dichloroethane	UG/KG	200	7821429	12 U	12 U
1,1-Dichloroethene	UG/KG	400	1065	12 U	12 U
1,2-Dichloroethane	UG/KG	100	7821429	12 U	12 U
1,2-Dichloroethene (total)	UG/KG			12 U	12 U
1,2-Dichloropropane	UG/KG		9393	12 U	12 U
Acetone	UG/KG	200	7821429	12 U	7 J
Benzene	UG/KG	60	22026	12 U	12 U
Bromodichloromethane	UG/KG		10302	12 U	12 U
Bromoform	UG/KG		80854	12 U	12 U
Carbon disulfide	UG/KG	2700	7821429	12 U	12 U
Carbon tetrachloride	UG/KG	600	4913	12 U	12 U
Chlorobenzene	UG/KG	1700	1564286	12 U	12 U
Chlorodibromomethane	UG/KG		7604	12 U	12 U
Chloroethane	UG/KG	1900	31285714	12 U	12 U
Chloroform	UG/KG	300	104713	12 U	12 U
Cis-1,3-Dichloropropene	UG/KG			12 U	12 U
Ethyl benzene	UG/KG	5500	7821429	12 U	12 U
Methyl bromide	UG/KG		111846	12 U	12 U
Methyl butyl ketone	UG/KG			12 U	12 U
Methyl chloride	UG/KG		49135	12 U	12 U
Methyl ethyl ketone	UG/KG	300		12 U	12 U
Methyl isobutyl ketone	UG/KG	1000	6257143	12 U	12 U
Methylene chloride	UG/KG	100	85167	12 U	12 U
Styrene	UG/KG			12 U	12 U
Tetrachloroethene	UG/KG	1400	12284	12 U	12 U
Toluene	UG/KG	1500	15642857	12 U	12 U
Total Xylenes	UG/KG	1200		12 U	12 U
Trans-1,3-Dichloropropene	UG/KG			12 U	12 U
Trichloroethene	UG/KG	700	58068	12 U	12 U
Vinyl chloride	UG/KG	200	336	12 U	12 U

Table 13-4
123F - Semivolatiles/TPH in Soils vs TAGMs
Non-Evaluated EBS Sites

SITE				SEAD-123F		SEAD-123F	
DESCRIPTION				Mound North of Post 3		Mound North of Post 3	
LOC ID				TP123F		TP123F	
SAMP ID				EB110		EB111	
QC CODE				SA		SA	
SAMP DETH TOP				0.5		1.5	
SAMP DEPTH BOT				0.5		1.5	
MATRIX				SOIL		SOIL	
SAMP DATE				5-Mar-98		5-Mar-98	
PARAMETER	UNIT	TAGM	PRG-RES	VALUE	Q	VALUE	Q
1,2,4-Trichlorobenzene	UG/KG	3400	782143	77	U	78	U
1,2-Dichlorobenzene	UG/KG	7900	7039286	77	U	78	U
1,3-Dichlorobenzene	UG/KG	1600	6961071	77	U	78	U
1,4-Dichlorobenzene	UG/KG	8500	26615	77	U	78	U
2,4,5-Trichlorophenol	UG/KG	100	7821429	190	U	190	U
2,4,6-Trichlorophenol	UG/KG		58068	77	U	78	U
2,4-Dichlorophenol	UG/KG	400	234643	77	U	78	U
2,4-Dimethylphenol	UG/KG		1564286	77	U	78	U
2,4-Dinitrophenol	UG/KG	200	156429	190	U	190	U
2,4-Dinitrotoluene	UG/KG		156429	77	U	78	U
2,6-Dinitrotoluene	UG/KG	1000	78214	77	U	78	U
2-Chloronaphthalene	UG/KG			77	U	78	U
2-Chlorophenol	UG/KG	800	391071	77	U	78	U
2-Methylnaphthalene	UG/KG	36400		77	U	78	U
2-Methylphenol	UG/KG	100	3910714	77	U	78	U
2-Nitroaniline	UG/KG	430	4693	190	U	190	U
2-Nitrophenol	UG/KG	330		77	U	78	U
3,3'-Dichlorobenzidine	UG/KG		1419	77	U	78	U
3-Nitroaniline	UG/KG	500	234643	190	U	190	U
4,6-Dinitro-2-methylphenol	UG/KG			190	U	190	U
4-Bromophenyl phenyl ether	UG/KG		4536429	77	U	78	U
4-Chloro-3-methylphenol	UG/KG	240		77	U	78	U
4-Chloroaniline	UG/KG	220	312857	77	U	78	U
4-Chlorophenyl phenyl ether	UG/KG			77	U	78	U
4-Methylphenol	UG/KG	900		77	U	78	U
4-Nitroaniline	UG/KG		234643	190	U	190	U
4-Nitrophenol	UG/KG	100	4692857	190	U	190	U
Acenaphthene	UG/KG	50000		77	U	78	U
Acenaphthylene	UG/KG	41000		77	U	78	U
Anthracene	UG/KG	50000	23464286	77	U	78	U
Benzo[a]anthracene	UG/KG	224	875	5.1	J	78	U
Benzo[a]pyrene	UG/KG	61	88	5.3	J	78	U
Benzo[b]fluoranthene	UG/KG	1100	875	7.5	J	7	JY
Benzo[ghi]perylene	UG/KG	50000		5.2	J	78	U
Benzo[k]fluoranthene	UG/KG	1100	8750	6.2	J	78	U
Bis(2-Chloroethoxy)methane	UG/KG			77	U	78	U
Bis(2-Chloroethyl)ether	UG/KG		581	77	U	78	U
Bis(2-Chloroisopropyl)ether	UG/KG		9125	77	U	78	U
Bis(2-Ethylhexyl)phthalate	UG/KG	50000	45625	11	J	78	U
Butylbenzylphthalate	UG/KG	50000	15642857	77	U	78	U
Carbazole	UG/KG		31938	77	U	78	U
Chrysene	UG/KG	400	87500	7.3	J	78	U
Di-n-butylphthalate	UG/KG	8100		77	U	78	U
Di-n-octylphthalate	UG/KG	50000	1564286	77	U	78	U
Dibenz[a,h]anthracene	UG/KG	14		77	U	78	U
Dibenzofuran	UG/KG	6200	312857	77	U	78	U
Diethyl phthalate	UG/KG	7100	62571429	12	JB	7.2	JB
Dimethylphthalate	UG/KG	2000	782142857	77	U	78	U
Ethylene Glycol	MG/KG		156428571				
Fluoranthene	UG/KG	50000	3128571	12	J	6.3	J
Fluorene	UG/KG	50000	3128571	77	U	78	U
Hexachlorobenzene	UG/KG	410	399	77	U	78	U
Hexachlorobutadiene	UG/KG		8189	77	U	78	U
Hexachlorocyclopentadiene	UG/KG		547500	77	U	78	U
Hexachloroethane	UG/KG		45625	77	U	78	U
Indeno[1,2,3-cd]pyrene	UG/KG	3200	875	4.8	J	78	U
Isophorone	UG/KG	4400		77	U	78	U
N-Nitrosodiphenylamine	UG/KG		130357	77	U	78	U
N-Nitrosodipropylamine	UG/KG			77	U	78	U
Naphthalene	UG/KG	13000	3128571	77	U	78	U
Nitrobenzene	UG/KG	200	39107	77	U	78	U
Pentachlorophenol	UG/KG	1000	5323	190	U	190	U
Phenanthrene	UG/KG	50000		5.9	J	78	U
Phenol	UG/KG	30	46928571	77	U	78	U
Propylene Glycol	MG/KG						
Pyrene	UG/KG	50000	2346429	10	J	5.5	J
TPH	MG/KG			17.2	U	18.2	U

SITE				SEAD-123F		SEAD-123F	
DESCRIPTION				Mound North of Post 3		Mound North of Post 3	
LOC ID				TP123F		TP123F	
SAMP ID				EB110		EB111	
QC CODE				SA		SA	
SAMP DETH TOP				0 5		1 5	
SAMP DEPTH BOT				0 5		1 5	
MATRIX				SOIL		SOIL	
SAMP DATE				5-Mar-98		5-Mar-98	
PARAMETER	UNIT	TAGM	PRG-RES	VALUE	Q	VALUE	Q
1,2,4-Trichlorobenzene	UG/KG	3400	782143	77	U	78	U
1,2-Dichlorobenzene	UG/KG	7900	7039286	77	U	78	U
1,3-Dichlorobenzene	UG/KG	1600	6961071	77	U	78	U
1,4-Dichlorobenzene	UG/KG	8500	26615	77	U	78	U
2,4,5-Trichlorophenol	UG/KG	100	7821429	190	U	190	U
2,4,6-Trichlorophenol	UG/KG		58068	77	U	78	U
2,4-Dichlorophenol	UG/KG	400	234643	77	U	78	U
2,4-Dimethylphenol	UG/KG		1564286	77	U	78	U
2,4-Dinitrophenol	UG/KG	200	156429	190	U	190	U
2,4-Dinitrotoluene	UG/KG		156429	77	U	78	U
2,6-Dinitrotoluene	UG/KG	1000	78214	77	U	78	U
2-Chloronaphthalene	UG/KG			77	U	78	U
2-Chlorophenol	UG/KG	800	391071	77	U	78	U
2-Methylnaphthalene	UG/KG	36400		77	U	78	U
2-Methylphenol	UG/KG	100	3910714	77	U	78	U
2-Nitroaniline	UG/KG	430	4693	190	U	190	U
2-Nitrophenol	UG/KG	330		77	U	78	U
3,3 -Dichlorobenzidine	UG/KG		1419	77	U	78	U
3-Nitroaniline	UG/KG	500	234643	190	U	190	U
4,6-Dinitro-2-methylphenol	UG/KG			190	U	190	U
4-Bromophenyl phenyl ether	UG/KG		4536429	77	U	78	U
4-Chloro-3-methylphenol	UG/KG	240		77	U	78	U
4-Chloroaniline	UG/KG	220	312857	77	U	78	U
4-Chlorophenyl phenyl ether	UG/KG			77	U	78	U
4-Methylphenol	UG/KG	900		77	U	78	U
4-Nitroaniline	UG/KG		234643	190	U	190	U
4-Nitrophenol	UG/KG	100	4692857	190	U	190	U
Acenaphthene	UG/KG	50000		77	U	78	U
Acenaphthylene	UG/KG	41000		77	U	78	U
Anthracene	UG/KG	50000	23464286	77	U	78	U
Benzo[a]anthracene	UG/KG	224	875	5 1	J	78	U
Benzo[a]pyrene	UG/KG	61	88	5 3	J	78	U
Benzo[b]fluoranthene	UG/KG	1100	875	7 5	J	7	JY
Benzo[ghi]perylene	UG/KG	50000		5 2	J	78	U
Benzo[k]fluoranthene	UG/KG	1100	8750	6 2	J	78	U
Bis(2-Chloroethoxy)methane	UG/KG			77	U	78	U
Bis(2-Chloroethyl)ether	UG/KG		581	77	U	78	U
Bis(2-Chloroisopropyl)ether	UG/KG		9125	77	U	78	U
Bis(2-Ethylhexyl)phthalate	UG/KG	50000	45625	11	J	78	U
Butylbenzylphthalate	UG/KG	50000	15642857	77	U	78	U
Carbazole	UG/KG		31938	77	U	78	U
Chrysene	UG/KG	400	87500	7 3	J	78	U
Di-n-butylphthalate	UG/KG	8100		77	U	78	U
Di-n-octylphthalate	UG/KG	50000	1564286	77	U	78	U
Dibenz[a,h]anthracene	UG/KG	14		77	U	78	U
Dibenzofuran	UG/KG	6200	312857	77	U	78	U
Diethyl phthalate	UG/KG	7100	62571429	12	JB	7 2	JB
Dimethylphthalate	UG/KG	2000	782142857	77	U	78	U
Ethylene Glycol	MG/KG		156428571				
Fluoranthene	UG/KG	50000	3128571	12	J	8 3	J
Fluorene	UG/KG	50000	3128571	77	U	78	U
Hexachlorobenzene	UG/KG	410	399	77	U	78	U
Hexachlorobutadiene	UG/KG		8189	77	U	78	U
Hexachlorocyclopentadiene	UG/KG		547500	77	U	78	U
Hexachloroethane	UG/KG		45625	77	U	78	U
Indeno[1,2,3-cd]pyrene	UG/KG	3200	875	4 8	J	78	U
Isophorone	UG/KG	4400		77	U	78	U
N-Nitrosodiphenylamine	UG/KG		130357	77	U	78	U
N-Nitrosodipropylamine	UG/KG			77	U	78	U
Naphthalene	UG/KG	13000	3128571	77	U	78	U
Nitrobenzene	UG/KG	200	39107	77	U	78	U
Pentachlorophenol	UG/KG	1000	5323	190	U	190	U
Phenanthrene	UG/KG	50000		5 9	J	78	U
Phenol	UG/KG	30	46928571	77	U	78	U
Propylene Glycol	MG/KG						
Pyrene	UG/KG	50000	2346429	10	J	5 5	J
TPH	MG/KG			17 2	U	18 2	U

Table 13-6
123F - Metals in Soils vs TAGMs
Non-Evaluated EBS Sites

SITE:				SEAD-123F		SEAD-123F	
DESCRIPTION:				Mound North of Post 3		Mound North of Post 3	
LOC ID:				TP123F		TP123F	
SAMP ID:				EB110		EB111	
QC CODE:				SA		SA	
SAMP. DETH TOP:				0.5		1.5	
SAMP. DEPTH BOT:				0.5		1.5	
MATRIX:				SOIL		SOIL	
SAMP. DATE:				5-Mar-98		5-Mar-98	
PARAMETER	UNIT	TAGM	PRG_RES	VALUE	Q	VALUE	Q
Aluminum	MG/KG	14592.84	78214.286	9000		10600	
Antimony	MG/KG	3.59	31.285714	0.79	UN	0.81	UN
Arsenic	MG/KG	7.5	0.42583333	3.7		4.9	
Barium	MG/KG	300	5475	87.7		108	
Beryllium	MG/KG	0.73	0.14854651	0.31	B	0.26	B
Cadmium	MG/KG	1	39.107143	0.07	U	0.07	U
Calcium	MG/KG	101903.8		84600		64100	
Chromium	MG/KG	22.13	78214	15.2		17.3	
Cobalt	MG/KG	30	4693	10.2	B	11.6	
Copper	MG/KG	25	3129	24.6		[illegible]	
Cyanide	MG/KG	0.3		0.63	U	0.64	U
Iron	MG/KG	26626.65	23464	19500		21800	
Lead	MG/KG	21.86		9.7		11	
Magnesium	MG/KG	12221.77		13500		10800	
Manganese	MG/KG	669.38	1799	493		872	
Mercury	MG/KG	0.1	23	0.05	U	0.06	U
Nickel	MG/KG	33.62	1564	30.3		35.7	
Potassium	MG/KG	1761.48		1550		1720	
Selenium	MG/KG	2	391	1.1	U	1.1	U
Silver	MG/KG	0.4	391	0.47	U	0.49	U
Sodium	MG/KG	103.74		136	U	141	U
Thallium	MG/KG	0.28	6	1.4	U	1.5	U
Vanadium	MG/KG	150	548	17.3	E	19.2	E
Zinc	MG/KG	82.5	23464.286	61.6		64.1	

Table 13-7
123F - Metals in Soil vs PRG-RES
Non-Evaluated EBS Sites

SITE:				SEAD-123F		SEAD-123F	
DESCRIPTION:				Mound North of Post 3		Mound North of Post 3	
LOC ID:				TP123F		TP123F	
SAMP ID:				EB110		EB111	
QC CODE:				SA		SA	
SAMP. DETH TOP:				0.5		1.5	
SAMP. DEPTH BOT:				0.5		1.5	
MATRIX:				SOIL		SOIL	
SAMP. DATE:				5-Mar-98		5-Mar-98	
PARAMETER	UNIT	TAGM	PRG_RES	VALUE	Q	VALUE	Q
Aluminum	MG/KG	14592.84	78214.286	9000		10600	
Antimony	MG/KG	3.59	31.285714	0.79	UN	0.81	UN
Arsenic	MG/KG	7.5	0.42583333	[redacted]		[redacted]	
Barium	MG/KG	300	5475	87.7		108	
Beryllium	MG/KG	0.73	0.14854651	[redacted]	B	[redacted]	B
Cadmium	MG/KG	1	39.107143	0.07	U	0.07	U
Calcium	MG/KG	101903.8		84600		64100	
Chromium	MG/KG	22.13	78214	15.2		17.3	
Cobalt	MG/KG	30	4693	10.2	B	11.6	
Copper	MG/KG	25	3129	24.6		26.7	
Cyanide	MG/KG	0.3		0.63	U	0.64	U
Iron	MG/KG	26626.65	23464	19500		21800	
Lead	MG/KG	21.86		9.7		11	
Magnesium	MG/KG	12221.77		13500		10800	
Manganese	MG/KG	669.38	1799	493		872	
Mercury	MG/KG	0.1	23	0.05	U	0.06	U
Nickel	MG/KG	33.62	1564	30.3		35.7	
Potassium	MG/KG	1761.48		1550		1720	
Selenium	MG/KG	2	391	1.1	U	1.1	U
Silver	MG/KG	0.4	391	0.47	U	0.49	U
Sodium	MG/KG	103.74		136	U	141	U
Thallium	MG/KG	0.28	6	1.4	U	1.5	U
Vanadium	MG/KG	150	548	17.3	E	19.2	E
Zinc	MG/KG	82.5	23464.286	61.6		64.1	

Table 13-8
123F - Pesticides/PCBs in Soil vs TAGMs
Non-Evaluated EBS Sites

SITE:				SEAD-123F		SEAD-123F	
DESCRIPTION:				Mound North of Post 3		Mound North of Post 3	
LOC ID:				TP123F		TP123F	
SAMP ID:				EB110		EB111	
QC CODE:				SA		SA	
SAMP. DETH TOP:				0.5		1.5	
SAMP. DEPTH BOT:				0.5		1.5	
MATRIX:				SOIL		SOIL	
SAMP. DATE:				5-Mar-98		5-Mar-98	
PARAMETER	UNIT	TAGM	PRG-RES	VALUE	Q	VALUE	Q
4,4`-DDD	UG/KG	2900	2661	3.8	U	3.9	U
4,4`-DDE	UG/KG	2100	1879	3.8	U	3.9	U
4,4`-DDT	UG/KG	2100	1879	3.8	U	3.9	U
Aldrin	UG/KG	41	38	2	U	2	U
Alpha-BHC	UG/KG	110		2	U	2	U
Alpha-Chlordane	UG/KG			2	U	2	U
Aroclor-1016	UG/KG		5475	38	U	39	U
Aroclor-1221	UG/KG			78	U	79	U
Aroclor-1232	UG/KG			38	U	39	U
Aroclor-1242	UG/KG			38	U	39	U
Aroclor-1248	UG/KG			38	U	39	U
Aroclor-1254	UG/KG	10000	1564	38	U	39	U
Aroclor-1260	UG/KG	10000		38	U	39	U
Beta-BHC	UG/KG	200		2	U	2	U
Delta-BHC	UG/KG	300		2	U	2	U
Dieldrin	UG/KG	44	40	3.8	U	3.9	U
Endosulfan I	UG/KG	900	469286	2	U	2	U
Endosulfan II	UG/KG	900	469286	3.8	U	3.9	U
Endosulfan sulfate	UG/KG	1000		3.8	U	3.9	U
Endrin	UG/KG	100	23464	3.8	U	3.9	U
Endrin aldehyde	UG/KG		23464	3.8	U	3.9	U
Endrin ketone	UG/KG		23464	3.8	U	3.9	U
Gamma-BHC/Lindane	UG/KG	60		2	U	2	U
Gamma-Chlordane	UG/KG	540		2	U	2	U
Heptachlor	UG/KG	100	142	2	U	2	U
Heptachlor epoxide	UG/KG	20	70	2	U	2	U
Methoxychlor	UG/KG		391071	20	U	20	U
Toxaphene	UG/KG			200	U	200	U

Table 13-9
123F - Pesticides/PCBs in Soil vs PRG-RES
Non-Evaluated EBS Sites

SITE:				SEAD-123F		SEAD-123F	
DESCRIPTION:				Mound North of Post 3		Mound North of Post 3	
LOC ID:				TP123F		TP123F	
SAMP ID:				EB110		EB111	
QC CODE:				SA		SA	
SAMP. DETH TOP:				0.5		1.5	
SAMP. DEPTH BOT:				0.5		1.5	
MATRIX:				SOIL		SOIL	
SAMP. DATE:				5-Mar-98		5-Mar-98	
PARAMETER	UNIT	TAGM	PRG-RES	VALUE	Q	VALUE	Q
4,4`-DDD	UG/KG	2900	2661	3.8	U	3.9	U
4,4`-DDE	UG/KG	2100	1879	3.8	U	3.9	U
4,4`-DDT	UG/KG	2100	1879	3.8	U	3.9	U
Aldrin	UG/KG	41	38	2	U	2	U
Alpha-BHC	UG/KG	110		2	U	2	U
Alpha-Chlordane	UG/KG			2	U	2	U
Aroclor-1016	UG/KG		5475	38	U	39	U
Aroclor-1221	UG/KG			78	U	79	U
Aroclor-1232	UG/KG			38	U	39	U
Aroclor-1242	UG/KG			38	U	39	U
Aroclor-1248	UG/KG			38	U	39	U
Aroclor-1254	UG/KG	10000	1564	38	U	39	U
Aroclor-1260	UG/KG	10000		38	U	39	U
Beta-BHC	UG/KG	200		2	U	2	U
Delta-BHC	UG/KG	300		2	U	2	U
Dieldrin	UG/KG	44	40	3.8	U	3.9	U
Endosulfan I	UG/KG	900	469286	2	U	2	U
Endosulfan II	UG/KG	900	469286	3.8	U	3.9	U
Endosulfan sulfate	UG/KG	1000		3.8	U	3.9	U
Endrin	UG/KG	100	23464	3.8	U	3.9	U
Endrin aldehyde	UG/KG		23464	3.8	U	3.9	U
Endrin ketone	UG/KG		23464	3.8	U	3.9	U
Gamma-BHC/Lindane	UG/KG	60		2	U	2	U
Gamma-Chlordane	UG/KG	540		2	U	2	U
Heptachlor	UG/KG	100	142	2	U	2	U
Heptachlor epoxide	UG/KG	20	70	2	U	2	U
Methoxychlor	UG/KG		391071	20	U	20	U
Toxaphene	UG/KG			200	U	200	U

APPENDIX A. Soil Boring Logs

LOG OF BORING 123B-1

PROJECT: Seneca Non-evaluated EBS Sites
PROJECT LOCATION: Seneca Army Depot, Romulus, New York
ASSOCIATED AREA/UNIT: SEAD 123
PROJECT NO: 733193-01001
DATE STARTED: 3/11/98
DATE COMPLETED: 3/11/98
DRILLING CONTRACTOR: Nothnagle
DRILLING METHOD: HSA 8"
SAMPLING METHOD: Split Spoon

TOTAL DEPTH: 12
DEPTH TO WATER: 3.3
BORING LOCATION: 1014587.4801 ft NORTH
741275.0416 ft EAST
COORDINATE SYSTEM: NAD83
GROUND SURFACE ELEVATION: 632.5536 ft
ELEVATION DATUM: NAVD88
INSPECTOR: DRG
CHECKED BY: ITR

Sample Number	Blow Counts (# Blows per 6")	Sample Recovery	VOC Screen-PID (ppm)	Depth (ft)	Macro Lithology	This log is part of a report prepared by Parsons Engineering-Science, Inc. for the named company and should be read together with the report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations. DESCRIPTION	USCS
EB242	27 7 12 12	1.7	0	0		Brown to Dark Gray medium SAND, some silt, little coarse Sand, little fine to medium Gravel, trace Cobble, moist.	GM
				1.2		Fine to medium SAND, trace medum Gravel, tight till, moist.	
				1.7		No Recovery.	
	14 12 14 19	1.5	0	2		Fine to medium SAND, trace medium Gravel, tight till, saturated.	SM
EB243			0	3			
				3.5		No Recovery.	
	20 20 10 100/.2	1.7	0	4		Fine to medium SAND, trace medium Gravel, tight till, trace cobble, saturated.	SM
				5.7		No Recovery.	
	28 100/.5	1	0	6		Weathered SHALE.	BRK
				7		No Recovery.	
	42 100/.1	0.6	0	8		Weathered SHALE.	BRK
				8.6		No Recovery.	
				9			

NOTES:

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Romulus, New York

LOG OF BORING 123B-1

LOG OF BORING 123B-1

PROJECT: Seneca Non-evaluated EBS Sites
PROJECT LOCATION: Seneca Army Depot, Romulus, New York
ASSOCIATED AREA/UNIT: SEAD 123
PROJECT NO: 733193-01001
DATE STARTED: 3/11/98
DATE COMPLETED: 3/11/98
DRILLING CONTRACTOR: Nothnagle
DRILLING METHOD: HSA 8"
SAMPLING METHOD: Split Spoon

TOTAL DEPTH: 12
DEPTH TO WATER: 3.3
BORING LOCATION: 1014587.4801 ft NORTH
741275.0416 ft EAST
COORDINATE SYSTEM: NAD83
GROUND SURFACE ELEVATION: 632.5536 ft
ELEVATION DATUM: NAVD88
INSPECTOR: DRG
CHECKED BY: ITR

Sample Number	Blow Counts (# Blows per 6")	Sample Recovery	VOC Screen-PID (ppm)		Depth (ft)	Macro Lithology	This log is part of a report prepared by Parsons Engineering-Science, Inc. for the named company and should be read together with the report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations.	USCS
							DESCRIPTION	
	17 22 100/. 4		0		10 11 12	10 12	No Recovery. Auger Refusal at 12'.	

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LOG OF BORING 123B-1

LOG OF BORING 123B-2

PROJECT: Seneca Non-evaluated EBS Sites
PROJECT LOCATION: Seneca Army Depot, Romulus, New York
ASSOCIATED AREA/UNIT: SEAD 123
PROJECT NO: 733193-01001
DATE STARTED: 3/11/98
DATE COMPLETED: 3/11/98
DRILLING CONTRACTOR: Nothnagle
DRILLING METHOD: HSA 8"
SAMPLING METHOD: Split Spoon

TOTAL DEPTH: 4.3
DEPTH TO WATER:
BORING LOCATION: 1014559.4334 ft NORTH
741258.2016 ft EAST
COORDINATE SYSTEM: NAD83
GROUND SURFACE ELEVATION: 631.4866 ft
ELEVATION DATUM: NAVD88
INSPECTOR: DRG
CHECKED BY: ITR

Sample Number	Blow Counts (# Blows per 6")	Sample Recovery	VOC Screen-PID (ppm)	Depth (ft)	Macro Lithology	This log is part of a report prepared by Parsons Engineering-Science, Inc. for the named company and should be read together with the report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations.	USCS
						DESCRIPTION	
EB244	7	1	0	0		Dark Gray, SILT and Sand, little cobble, moist, frozen.	SM
	14			0.5			
	24					Olive Gray to Brown SILT and coarse Gravel, some fine to medium Sand, little Cobble, trace fine Sand, moist.	
	14			1			
						No Recovery.	
				2			
	21	0.9	0			Olive Gray to Brown, SILT and coarse Gravel, some fine to medium Sand, little Cobble, trace fine Sand, moist.	GM
	100/.4						
EB245			0	2.9			
	100/.3	0.3	0	3		Fragments of Competant SHALE.	BRK
				3.2		No Recovery.	
				4			
				4.3		Auger Refusal at 4.3'.	

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LOG OF BORING 123B-2

LOG OF BORING 123B-3

PROJECT: Seneca Non-evaluated EBS Sites
PROJECT LOCATION: Seneca Army Depot, Romulus, New York
ASSOCIATED AREA/UNIT: SEAD 123
PROJECT NO: 733193-01001
DATE STARTED: 3/11/98
DATE COMPLETED: 3/11/98
DRILLING CONTRACTOR: Nothnagle
DRILLING METHOD: HSA 8"
SAMPLING METHOD: Split Spoon

TOTAL DEPTH: 6.3
DEPTH TO WATER: 0
BORING LOCATION: 1014635.869 ft NORTH
741331.8431 ft EAST
COORDINATE SYSTEM: NAD83
GROUND SURFACE ELEVATION: 632.4337 ft
ELEVATION DATUM: NAVD88
INSPECTOR: DRG
CHECKED BY: ITR

Sample Number	Blow Counts (# Blows per 6")	Sample Recovery	VOC Screen-PID (ppm)	Depth (ft)	Macro Lithology	This log is part of a report prepared by Parsons Engineering-Science, Inc. for the named company and should be read together with the report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations. DESCRIPTION	USCS
EB246	3	1.5	0	0 ▽			
	12			0.3		Brown, fine to medium SAND, trace Silt, trace fine Gravel.	SM
	12					Olive Gray to brown, SILT, trace fine to medium Sand, trace Cobble, very tight till, saturated.	
	19			1			
				1.5			
						No Recovery	
				2			
	14	1.6	0			Olive Gray to brown, SILT, trace fine to medium Sand, trace Cobble, very tight till, saturated.	SM
	25						
EB247	30			2.9			
	50			3		Weathered SHALE.	
				3.6			
						No Recovery.	
				4			
	30	0.8	0			Weathered SHALE.	BRK
	100/.3			4.8			
						No Recovery.	
				5			
				6			
	100/.3	0.3	0	6		Weathered SHALE.	BRK
				6.3		Auger Refusal at 6.3'.	

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Romulus, New York

LOG OF BORING 123B-3

LOG OF BORING 122D-1

PROJECT: Seneca Non-evaluated EBS Sites
PROJECT LOCATION: Seneca Army Depot, Romulus, New York
ASSOCIATED AREA/UNIT: SEAD 122
PROJECT NO: 733193-01001
DATE STARTED: 3/05/98
DATE COMPLETED: 3/05/98
DRILLING CONTRACTOR: Nothnagle
DRILLING METHOD: HSA 8"
SAMPLING METHOD: Split Spoon

TOTAL DEPTH: 13.9
DEPTH TO WATER: 12.5
BORING LOCATION: 987911.494 ft NORTH
741222.1228 ft EAST
COORDINATE SYSTEM: NAD83
GROUND SURFACE ELEVATION: 644.8973 ft
ELEVATION DATUM: NAVD88
INSPECTOR: MW
CHECKED BY: ITR

Sample Number	Blow Counts (# Blows per 6")	Sample Recovery	VOC Screen-PID (ppm)	Depth (ft)	Macro Lithology	This log is part of a report prepared by Parsons Engineering-Science, Inc. for the named company and should be read together with the report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations. DESCRIPTION	USCS
EB201	6 7 7 8	1.5	0	0		Light Brown, CLAY, some Silt, little +fine to coarse Gravel, moist. Roots in top 2"	CL
				1.5		No Recovery	
	5 9 15 20	1.3	0	2		Light Brown to Greenish Gray, CLAY, and -Silt, trace -fine Sand, little fine to coarse Gravel, moist.	CL
				3.3		No Recovery	
	9 15 25 27	1.8	0	4		Light Brown to Greenish Gray, SILT, some +Clay, little -fine Sand, little fine to coarse Gravel, moist.	ML
				5.8		No Recovery	
EB202	13 25 25 25	1.7	0	6		Light Brown, CLAY, some Silt, trace fine Sand, little +Gravel, moist.	CL
				6.8		Light Brown to Greenish Gray, SILT, little +fine Sand, some -fine to coarse Gravel, trace Clay, wet.	
				7.7		No Recovery	
	19 33 41 50	2	0	8		Light Brown, Silt, trace fine Sand, some fine to coarse Gravel, wet.	ML
				9			

NOTES:

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Seneca Army Depot
Romulus, New York

LOG OF BORING 122D-1

LOG OF BORING 122D-1

PROJECT: Seneca Non-evaluated EBS Sites
PROJECT LOCATION: Seneca Army Depot, Romulus, New York
ASSOCIATED AREA/UNIT: SEAD 122
PROJECT NO: 733193-01001
DATE STARTED: 3/05/98
DATE COMPLETED: 3/05/98
DRILLING CONTRACTOR: Nothnagle
DRILLING METHOD: HSA 8"
SAMPLING METHOD: Split Spoon

TOTAL DEPTH: 13.9
DEPTH TO WATER: 12.5
BORING LOCATION: 987911.494 ft NORTH
741222.1228 ft EAST
COORDINATE SYSTEM: NAD83
GROUND SURFACE ELEVATION: 644.8973 ft
ELEVATION DATUM: NAVD88
INSPECTOR: MW
CHECKED BY: ITR

Sample Number	Blow Counts (# Blows per 6")	Sample Recovery	VOC Screen-PID (ppm)	Depth (ft)	Macro Lithology	This log is part of a report prepared by Parsons Engineering-Science, Inc. for the named company and should be read together with the report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations.	USCS
						DESCRIPTION	
	37 85 100/.2	1.2	0	10 10 11 11.2		Light Brown, SILT, trace fine Sand, some +fine to coarse Gravel, moist to wet.	ML
				12		No Recovery	
	27 55 90 100/.1	1.5	0	12 13 13.5		Olive Gray, SILT, trace -fine Sand, some +fine to coarse Gravel, saturated.	TL
				13.9		Wheathered SHALE. Auger Refusal at 13.9'.	

NOTES:

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Romulus, New York

LOG OF BORING 122D-1

LOG OF BORING 122D-2

PROJECT: Seneca Non-evaluated EBS Sites
PROJECT LOCATION: Seneca Army Depot, Romulus, New York
ASSOCIATED AREA/UNIT: SEAD 122
PROJECT NO: 733193-01001
DATE STARTED: 3/05/98
DATE COMPLETED: 3/05/98
DRILLING CONTRACTOR: Nothnagle
DRILLING METHOD: HSA 8"
SAMPLING METHOD: Split Spoon

TOTAL DEPTH: 14
DEPTH TO WATER: 8
BORING LOCATION: 987799.2085 ft NORTH
741278.0134 ft EAST
COORDINATE SYSTEM: NAD83
GROUND SURFACE ELEVATION: 643.8361 ft
ELEVATION DATUM: NAVD88
INSPECTOR: MW
CHECKED BY: ITR

Sample Number	Blow Counts (# Blows per 6")	Sample Recovery	VOC Screen-PID (ppm)	Depth (ft)	Macro Lithology	This log is part of a report prepared by Parsons Engineering-Science, Inc. for the named company and should be read together with the report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations. DESCRIPTION	USCS
EB203	8 9 10 13	1.5	0	0 – 0.2		Light Brown, CLAY, and Silt, moist, roots.	CL
				1 – 1.5		Olive Gray, fine to coarse GRAVEL, some fine to coarse Sand, trace +Silt, wet.	
				2		No Recovery	
	14 14 13 14	1.3	0	2 – 3.3		Olive Gray, fine to coarse GRAVEL, and fine to coarse Sand, trace Silt, wet.	TL
				3 – 4		No Recovery	
	9 12 18 12	1.5	0	4 – 5.5		Light Brown, SILT, little fine to coarse Gravel, moist.	ML
				5 – 6		No Recovery	
	12 12 16 16	1.8	0	6 – 7.8		Light Brown, SILT, little fine to coarse Gravel, trace coarse Sand, moist.	ML
				7 – 8		No Recovery	
EB204	30 40 52 100/.1	1.6	0	8 – 9.6		Light Brown, SILT, and -fine to coarse Gravel, little -fine to medium sand, saturated.	ML
				9		No Recovery	

NOTES:

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LOG OF BORING 122D-2

LOG OF BORING 122D-2

PROJECT: Seneca Non-evaluated EBS Sites
PROJECT LOCATION: Seneca Army Depot, Romulus, New York
ASSOCIATED AREA/UNIT: SEAD 122
PROJECT NO: 733193-01001
DATE STARTED: 3/05/98
DATE COMPLETED: 3/05/98
DRILLING CONTRACTOR: Nothnagle
DRILLING METHOD: HSA 8"
SAMPLING METHOD: Split Spoon

TOTAL DEPTH: 14
DEPTH TO WATER: 8
BORING LOCATION: 987799.2085 ft NORTH
741278.0134 ft EAST
COORDINATE SYSTEM: NAD83
GROUND SURFACE ELEVATION: 643.8361 ft
ELEVATION DATUM: NAVD88
INSPECTOR: MW
CHECKED BY: ITR

Sample Number	Blow Counts (# Blows per 6")	Sample Recovery	VOC Screen-PID (ppm)	Depth (ft)	Macro Lithology	This log is part of a report prepared by Parsons Engineering-Science, Inc. for the named company and should be read together with the report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations.	USCS
						DESCRIPTION	
	28 46 80 100/.5	1.8	0.2	10 11		Light Brown, SILT, and -fine to coarse Gravel, little -fine to coarse Sand, saturated.	ML
				11.8		No Recovery	
	29 43 100/.3	1.3	0.2	12 13		Olive Gray, fine to coarse GRAVEL, some Silt, trace +fine to coarse Sand, saturated.	GM
				13.3		Weathered SHALE.	
				14		Auger Refusal at 14.0'.	

NOTES:

UNITED STATES ARMY
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Seneca Army Depot
Romulus, New York

LOG OF BORING 122D-2

LOG OF BORING 122E-1

PROJECT: Seneca Non-evaluated EBS Sites
PROJECT LOCATION: Seneca Army Depot, Romulus, New York
ASSOCIATED AREA/UNIT: SEAD 122
PROJECT NO: 733193-01001
DATE STARTED: 3/06/98
DATE COMPLETED: 3/06/98
DRILLING CONTRACTOR: Nothnagle
DRILLING METHOD: HSA 8"
SAMPLING METHOD: Split Spoon

TOTAL DEPTH: 9.1
DEPTH TO WATER: 7.2
BORING LOCATION: 987033.7607 ft NORTH
740754.7201 ft EAST
COORDINATE SYSTEM: NAD83
GROUND SURFACE ELEVATION: 638.9787 ft
ELEVATION DATUM: NAVD88
INSPECTOR: DRG
CHECKED BY: ITR

Sample Number	Blow Counts (# Blows per 6")	Sample Recovery	VOC Screen-PID (ppm)	Depth (ft)	Macro Lithology	This log is part of a report prepared by Parsons Engineering-Science, Inc. for the named company and should be read together with the report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations.	USCS
						DESCRIPTION	
EB205	4 14 8 14	1.5	0	0		Olive Gray, SILT, little coarse Sand, trace fine Gravel, moist.	OL
				1.5		No Recovery	
	10 12 15 30	1.8	0	2		Olive Gray, SILT, some Clay, little fine Sand, trace Cobble, wet.	CL
				3.8		No Recovery	
	20 100/.1	0.6	0	4		Olive Gray, fine SAND, some medium Gravel, little Cobble, trace Silt, moist.	SP
				4.6		No Recovery	
EB207	22 87 100/.5	1.5	0	6		Brown fine to medium, SAND, some finer to coarse Gravel, some Cobble, trace Silt, saturated.	TL
				7.5		No Recovery.	
	100/.5	0.5	0	8		Olive Gray, SILT, Shale fragments.	TL
				8.2		Competant Shale.	
				8.5		No Recovery.	
				9		Auger Refusal at 9.0'.	

NOTES:

UNITED STATES ARMY
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Seneca Army Depot
Romulus, New York

LOG OF BORING 122E-1

LOG OF BORING 122E-2

PROJECT: Seneca Non-evaluated EBS Sites
PROJECT LOCATION: Seneca Army Depot, Romulus, New York
ASSOCIATED AREA/UNIT: SEAD 122
PROJECT NO: 733193-01001
DATE STARTED: 3/06/98
DATE COMPLETED: 3/06/98
DRILLING CONTRACTOR: Nothnagle
DRILLING METHOD: HSA 8"
SAMPLING METHOD: Split Spoon

TOTAL DEPTH: 12.5
DEPTH TO WATER: 2.2
BORING LOCATION: 988958.412 ft NORTH
739018.1027 ft EAST
COORDINATE SYSTEM: NAD83
GROUND SURFACE ELEVATION: 602.0001 ft
ELEVATION DATUM: NAVD88
INSPECTOR: DRG
CHECKED BY: ITR

Sample Number	Blow Counts (# Blows per 6")	Sample Recovery	VOC Screen-PID (ppm)	Depth (ft)	Macro Lithology	This log is part of a report prepared by Parsons Engineering-Science, Inc. for the named company and should be read together with the report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations. DESCRIPTION	USCS
EB208	7 11 11 14	1.5	0	0 1 1.5		Brown, SILT, trace fine Sand, little organics, trace coarse Gravel, trace Cobble, moist. Olive Gray, fine SAND, little coarse Sand to fine Gravel, trace Cobble, trace Silt, iron oxide viens, moist. No Recovery.	FL
EB209	13 13 21 13	0.8	0	2 2.8 3 4		Brown, coarse SAND and fine GRAVEL, little fine to medium Sand, trace Cobbles, wet to saturated. No Recovery	FL
	7 7 8 22	1.5	0	4 5 5.5		Brown, coarse SAND and fine GRAVEL, little fine to medium Sand, trace Cobbles, wet to saturated. Olive Gray, SILT and very fine SAND, little coarse Sand to fine Gravel, trace Cobble, iron oxide veins, saturated. No Recovery.	FL
	32 100/.5	0.5	0	6 6.5		Olive Gray, SILT and very fine SAND, little coarse Sand to fine Gravel, trace Cobble, iron oxide veins, saturated. No Recovery.	TL
	100/.5	0.3	0	8 8.3		Olive Gray, SHALE chips, some Silt and fine Sand, weathered Shale, wet. No Recovery.	BRK
				9			

NOTES:

UNITED STATES ARMY
CORPS OF ENGINEERS
Seneca Army Depot
Romulus, New York

LOG OF BORING 122E-2

LOG OF BORING 122E-2

PROJECT: Seneca Non-evaluated EBS Sites
PROJECT LOCATION: Seneca Army Depot, Romulus, New York
ASSOCIATED AREA/UNIT: SEAD 122
PROJECT NO: 733193-01001
DATE STARTED: 3/06/98
DATE COMPLETED: 3/06/98
DRILLING CONTRACTOR: Nothnagle
DRILLING METHOD: HSA 8"
SAMPLING METHOD: Split Spoon

TOTAL DEPTH: 12.5
DEPTH TO WATER: 2.2
BORING LOCATION: 988958.412 ft NORTH
739018.1027 ft EAST
COORDINATE SYSTEM: NAD83
GROUND SURFACE ELEVATION: 602.0001 ft
ELEVATION DATUM: NAVD88
INSPECTOR: DRG
CHECKED BY: ITR

Sample Number	Blow Counts (# Blows per 6")	Sample Recovery	VOC Screen-PID (ppm)		Depth (ft)	Macro Lithology	This log is part of a report prepared by Parsons Engineering-Science, Inc. for the named company and should be read together with the report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations.	USCS
							DESCRIPTION	
	12	0.4	0		10		Olive Gray, SHALE chips, some Silt and fine Sand, weathered Shale, wet.	BRK
	22				10.4		No Recovery.	
	66							
	100/.4				11			
					12			
	100/.5		0				No Recovery	
					12.5		Auger refusal at 12.5'.	

NOTES:

UNITED STATES ARMY
CORPS OF ENGINEERS
Seneca Army Depot
Romulus, New York

LOG OF BORING 122E-2

LOG OF BORING 122E-3

PROJECT: Seneca Non-evaluated EBS Sites
PROJECT LOCATION: Seneca Army Depot, Romulus, New York
ASSOCIATED AREA/UNIT: SEAD 122
PROJECT NO: 733193-01001
DATE STARTED: 3/06/98
DATE COMPLETED: 3/06/98
DRILLING CONTRACTOR: Nothnagle
DRILLING METHOD: HSA 8"
SAMPLING METHOD: Split Spoon

TOTAL DEPTH: 11.8
DEPTH TO WATER: 2.4
BORING LOCATION: 991432.0738 ft NORTH
738522.1617 ft EAST
COORDINATE SYSTEM: NAD83
GROUND SURFACE ELEVATION: 609.7340 ft
ELEVATION DATUM: NAVD88
INSPECTOR: DRG
CHECKED BY: ITR

Sample Number	Blow Counts (# Blows per 6")	Sample Recovery	VOC Screen-PID (ppm)	Depth (ft)	Macro Lithology	DESCRIPTION	USCS
EB210	20 18 7 7	1.2	0	0 – 1.2		Dark Brown to reddish Brown, SILT, Some fine to medium sand, littlefine Gravel, trace Clay and Cobbles, moist.	ML
				1.2 – 2		No Recovery.	
EB211	15 13 8 8	0.5	0	2 – 2.5		Light Brown, fine GRAVEL and Coarse SAND, little fine Sand, little coarse Gravel, little Cobble, wet.	GP
				2.5 – 4		No Recovery.	
	16 18 12 100/.2	1.5	0	4 – 4.5		Light Brown, fine GRAVEL and coarse SAND, little fine to medium Sand,, little coarse Gravel, little Cobble, wet.	GP
				4.5 – 5.5		Olive Gray to Brown, SILT, little coarse Sand to medium Gravel, trace cobbles, very tight till, iron oxide nodes.	
				5.5 – 6		No Recovery.	
	18 43 22 11	1	0	6 – 7		Olive Gray to Brown, SILT, little coarse Sand to medium Gravel, trace Cobbles, very tight till, iron oxide nodes.	TL
				7 – 8		No Recovery.	
	100/.4	0.4	0	8 – 8.4		Weathered SHALE.	BRK
				8.4 – 11.8		No Recovery.	

NOTES:

UNITED STATES ARMY
CORPS OF ENGINEERS
Seneca Army Depot
Romulus, New York

LOG OF BORING 122E-3

LOG OF BORING 122E-3

PROJECT: Seneca Non-evaluated EBS Sites
PROJECT LOCATION: Seneca Army Depot, Romulus, New York
ASSOCIATED AREA/UNIT: SEAD 122
PROJECT NO: 733193-01001
DATE STARTED: 3/06/98
DATE COMPLETED: 3/06/98
DRILLING CONTRACTOR: Nothnagle
DRILLING METHOD: HSA 8"
SAMPLING METHOD: Split Spoon

TOTAL DEPTH: 11.8
DEPTH TO WATER: 2.4
BORING LOCATION: 991432.0738 ft NORTH
738522.1617 ft EAST
COORDINATE SYSTEM: NAD83
GROUND SURFACE ELEVATION: 609.7340 ft
ELEVATION DATUM: NAVD88
INSPECTOR: DRG
CHECKED BY: ITR

Sample Number	Blow Counts (# Blows per 6")	Sample Recovery	VOC Screen-PID (ppm)		Depth (ft)	Macro Lithology	This log is part of a report prepared by Parsons Engineering-Science, Inc. for the named company and should be read together with the report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations.	USCS
							DESCRIPTION	
	100/.3	0.3	0		10 10 10.3		Compentant SHALE.	BRK
					11		No Recovery.	
					11.8		Auger Refusal at 11.8'.	

NOTES:

UNITED STATES ARMY
CORPS OF ENGINEERS
Seneca Army Depot
Romulus, New York

LOG OF BORING 122E-3

APPENDIX B. Test Pit Logs

PARSONS ENGINEERING SCIENCE, INC.
TEST PIT RECORD

Project Name:	Seneca EBS Non-evaluated Sites
Project Number:	733193-01001
Date / Time Start:	3/5/98 1130
Date / Time Finish:	3/5/98 1200
Weather:	Partly cloudy, 30's
Contractor:	Nothnagle Drilling Inc.
Inspector(s):	DRG

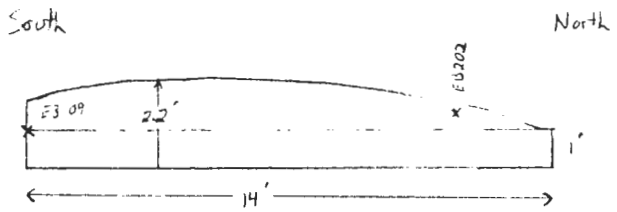
TEST PIT NO. TP123D-1
Location: SEAD-123D

DEPTH (ft bgs)	Stratigraphy	Macro	FIELD IDENTIFICATION OF MATERIAL	COMMENTS
1.2	FILL	SC	Brown SAND and SILT, little- Clay, little coarse Gravel, trace Cobbles, moist.	Fill, No staining or debris evident.
2.2		OL	Olive gray to brown SILT and CLAY, little medium Sand, trace coarse Sand, trace fine to coarse Gravel, trace roots and organic material, wet to saturated.	Undisturbed soil, no evidence of staining or debris.
	TL	ML	Light gray to olive gray SILT, some Clay, little fine to coarse Sand, little medium Gravel, trace Cobbles, trace iron-oxide nodules mm in diameter.	Undisturbed Till, no evidence of staining or debris.

EXCAVATION DIMENSIONS: (Length X Width X Depth) 14' X 3' X 1'-2.2'
AIR MONITORING DATA: Background OVM Reading: 0.0 ppm
Maximum Breathing Zone OVM Reading: 0.0 ppm

TIME	SAMPLE I.D.	LOCATION
1140	EB002 MRD	5' south of north end 0.5' depth
1150	EB-109	at North end 1.0' in depth

CROSS SECTION
(Include approximate dimensions)



PARSONS ENGINEERING SCIENCE, INC.
TEST PIT RECORD

Project Name: Seneca EBS Non-evaluated Sites
Project Number: 733193-01001
Date / Time Start: 3/5/98 1000
Date / Time Finish: 3/5/98 1100
Weather: Snow showers, heavy at times, 30's
Contractor: Nothnagle Drilling Inc.
Inspector(s): DRG

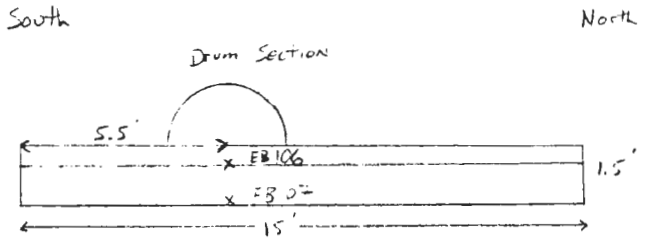
TEST PIT NO. TP123D-2
Location: SEAD-123D

DEPTH (ft bgs)	Stratigraphy	Macro	FIELD IDENTIFICATION OF MATERIAL	COMMENTS
0.5	FL	ML	Dark brown SILT, some Clay, little fine Sand, trace roots and organic material, moist.	1/2 Drum on surface 5.5' north of south end of trench, no staining on ground surface or sub-surface evident.
1.5	TL	CL	Light brown to light gray to reddish brown SILT and CLAY, little medium to coarse Sand, trace coarse Gravel, trace Cobbles, wet to saturated.	Undisturbed Till, No staining or debris evident.

EXCAVATION DIMENSIONS: (Length X Width X Depth) 15' X 3' X 1.5'
AIR MONITORING DATA: Background OVM Reading: 0.0 ppm
Maximum Breathing Zone OVM Reading: 0.0 ppm

TIME	SAMPLE I.D.	LOCATION
1020	EB106	5.5' north of south end, beneath drum, .5' deep
1040	EB107	5.5' north of south end, beneath drum, 1.5' deep

CROSS SECTION
(Include approximate dimensions)



PARSONS ENGINEERING SCIENCE, INC.
TEST PIT RECORD

Project Name:	Seneca EBS Non-evaluated Sites
Project Number:	733193-01001
Date / Time Start:	3/4/98 1635
Date / Time Finish:	3/4/98 1715
Weather:	Overcast, windy, 30's
Contractor:	Nothnagle Drilling Inc.
Inspector(s):	DRG

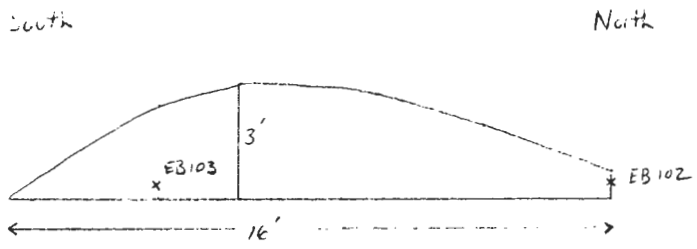
TEST PIT NO. TP123D-3
Location: SEAD-123D

DEPTH (ft bgs)	Stratigraphy	Macro	FIELD IDENTIFICATION OF MATERIAL	COMMENTS
3	FL	CL	Olive gray to brown SILT, some Clay, little fine Sand, trace Cobbles, trace medium to coarse Gravel, trace roots and organic material, moist.	Fill material with no staining or debris evident.
	TL	OL	Olive gray to brown SILT and CLAY, little medium Sand, trace fine to coarse Gravel, trace roots and organic material, wet to saturated.	Undisturbed till, no staining or debris evident.

EXCAVATION DIMENSIONS: (Length X Width X Depth) 16' X 3' X 0'-3'
AIR MONITORING DATA: Background OVM Reading: 0.0 ppm
Maximum Breathing Zone OVM Reading: 0.0 ppm

TIME	SAMPLE I.D.	LOCATION
1650	EB102	At north end 0.5' deep
1700	EB001 EB103	4' north of south end 2' deep

CROSS SECTION
(Include approximate dimensions)



PARSONS ENGINEERING SCIENCE, INC.
TEST PIT RECORD

Project Name:	Seneca EBS Non-evaluated Sites
Project Number:	733193-01001
Date / Time Start:	3/5/98 0815
Date / Time Finish:	3/5/98 0845
Weather:	Overcast, snow, heavy at times, 20's
Contractor:	Nothnagle Drilling Inc.
Inspector(s):	DRG

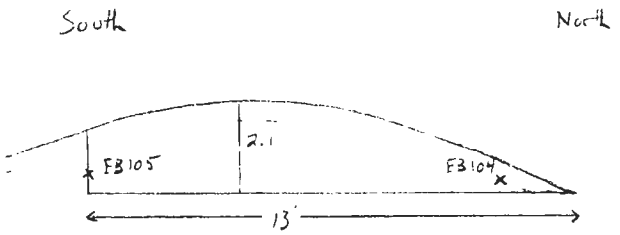
TEST PIT NO. TP123D-4
Location: SEAD-123D

DEPTH (ft bgs)	Stratigraphy	Macro	FIELD IDENTIFICATION OF MATERIAL	COMMENTS
0.5	FL	CL	Dark brown SILT and CLAY, some roots and organic material, little Cobble, moist.	Abundant debris on ground surface including: culvert sections, cable, copper wire, and fencing.
2	FL	CL	Olive gray to brown SILT and CLAY, little Cobbles, trace medium to coarse Sand, moist.	Abundant debris at depth including: copper and steal wire, steel pipe, steel cable. No staining evident.
		OL	Olive gray to brown SILT and CLAY, little medium Sand, trace coarse Sand, trace roots and organic material.	Probably former ground surface predating mound. No staining of debris evident.

EXCAVATION DIMENSIONS: (Length X Width X Depth) 13' X 3' X 0'-2.1'
AIR MONITORING DATA: Background OVM Reading: 0.0 ppm
Maximum Breathing Zone OVM Reading: 0.0 ppm

TIME	SAMPLE I.D.	LOCATION
825	EB104	2' south of north end 0.5' deep
835	EB105	at south end 1' deep

CROSS SECTION
(Include approximate dimensions)



PARSONS ENGINEERING SCIENCE, INC.
TEST PIT RECORD

Project Name:	Seneca EBS Non-evaluated Sites
Project Number:	733193-01001
Date / Time Start:	3/4/98 1510
Date / Time Finish:	3/4/98 1600
Weather:	Overcast, windy, 30's
Contractor:	Nothnagle Drilling Inc.
Inspector(s):	DRG/KKS

TEST PIT NO. TP123D-5

Location: SEAD-123D

DEPTH (ft bgs)	Stratigraphy	Macro	FIELD IDENTIFICATION OF MATERIAL	COMMENTS
0.5	FL	CL	Dark brown SILT and CLAY, some roots and organic material, little Cobble, moist.	Several pieces of light copper wire on ground surface, no staining.
4.2	FL	CL	Olive gray to brown SILT and CLAY, little fine to coarse Sand, little- fine to coarse Gravel, moist	Fill, no evidence of staining or debris.

EXCAVATION DIMENSIONS: (Length X Width X Depth) 17' X 3' X 0'-4.2'

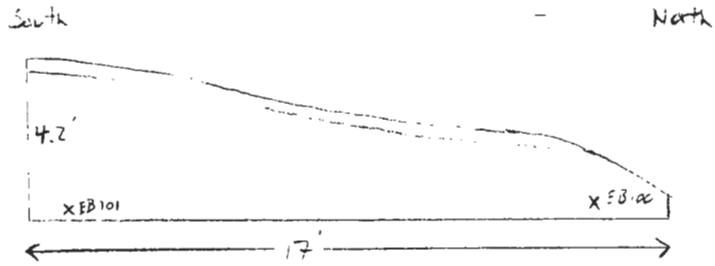
AIR MONITORING DATA: Background OVM Reading: 0.0 ppm

Maximum Breathing Zone OVM Reading: 0.0 ppm

TIME	SAMPLE I.D.	LOCATION
1530	EB100	2' south of north end 1.5' deep
1540	EB101	1' north of south end 4.1' deep

CROSS SECTION

(Include approximate dimensions)



PARSONS ENGINEERING SCIENCE, INC.
TEST PIT RECORD

Project Name: Seneca EBS Non-evaluated Sites
Project Number: 733193-01001
Date / Time Start: 3/5/98 1330
Date / Time Finish: 3/5/98 1410
Weather: Partly cloudy, windy, 30's
Contractor: Nothnagle Drilling Inc.
Inspector(s): DRG

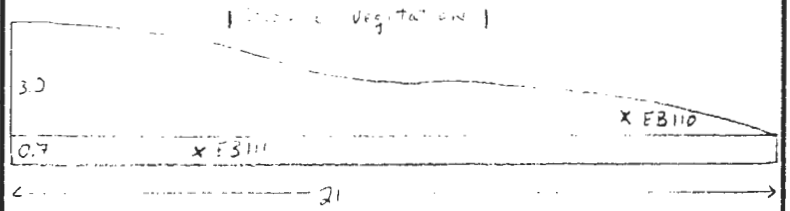
TEST PIT NO. TP123F-1
Location: SEAD-123F

DEPTH (ft bgs)	Stratigraphy	Macro	FIELD IDENTIFICATION OF MATERIAL	COMMENTS
0.5	FL	CL	Dark brown SILT, some Clay, little fine to medium Sand, trace coarse Gravel, cobbles, roots, moist	Vegitation stressed on surface, no evidence of staining or debris.
3	FL	CL	Dark brown SILT, some Clay, little fine to medium Sand, trace coarse Gravel, trace cobbles, moist	Fill, no evidence of staining or debris.
3.7			Dark brown SILT, some Clay, little fine to medium Sand, little cobbles, little coarse Gravel, trace fine to medium Gravel, trace organic material, moist.	Probably former ground surface predating mound, no evidence of staining or debris.

EXCAVATION DIMENSIONS: (Length X Width X Depth) 21' X 3' X 0.5'-3.7'
AIR MONITORING DATA: Background OVM Reading: 0.0 ppm
Maximum Breathing Zone OVM Reading: 0.0 ppm

TIME	SAMPLE I.D.	LOCATION
1350	EB110	4' south of north end 0.5' deep
1405	EB111	5' north of south end 1.5' deep

CROSS SECTION
(Include approximate dimensions)

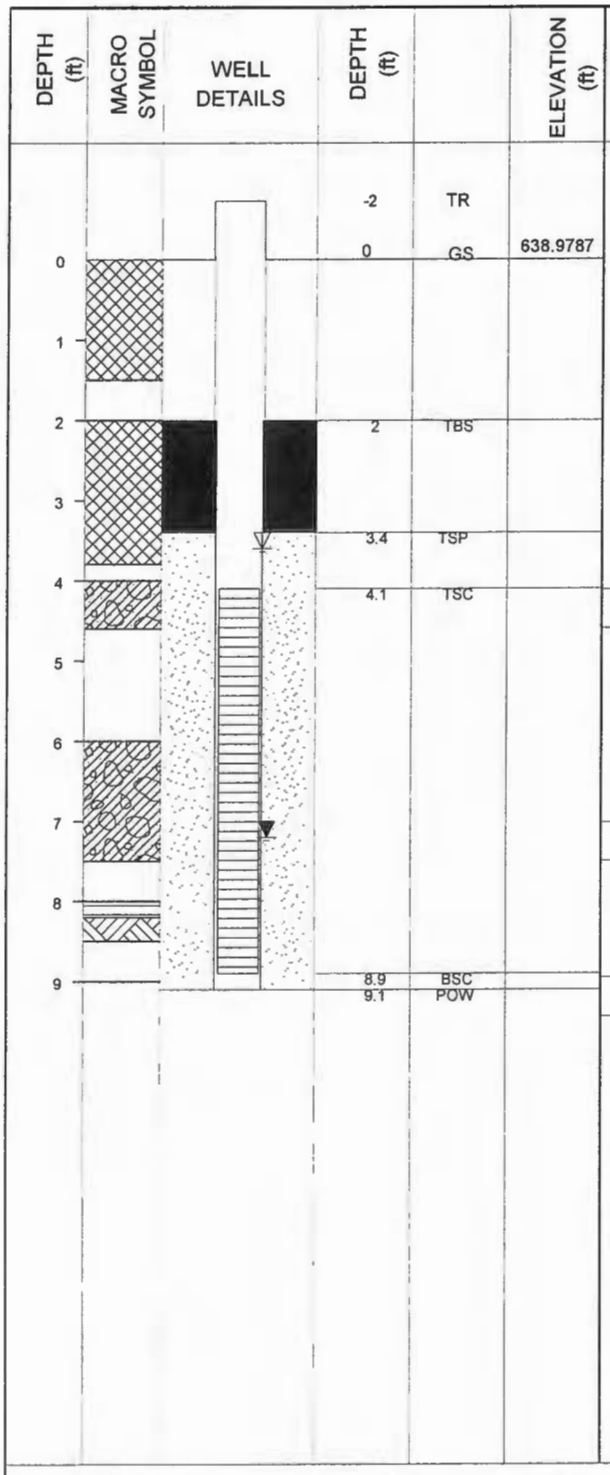


APPENDIX C. Well Construction Diagrams

TEMPORARY WELL COMPLETION REPORT: 122E-1

PROJECT: Seneca Non-evaluated EBS Sites
PROJECT LOCATION: Seneca Army Depot, Romulus, New York
ASSOCIATED AREA/UNIT: SEAD 122
PROJECT NO: 733193-01001
WELL INSTALLATION STARTED: 3/06/98
WELL INSTALLATION COMPLETED: 3/06/98
DRILLING CONTRACTOR: Nothnagle
DRILLING METHOD: HSA 8"
SAMPLING METHOD: Split Spoon

TOTAL DEPTH: 9.1
DEPTH TO WATER: 7.2
BORING LOCATION: 987033.7607 ft NORTH
740754.7201 ft EAST
COORDINATE SYSTEM: NAD83
GROUND SURFACE ELEVATION: 638.9787 ft
ELEVATION DATUM: NAVD88
INSPECTOR: DRG
CHECKED BY: ITR



WELL CONSTRUCTION DETAILS

RISER
Diameter (ID) (in): 2
Type: SCH. 40 PVC
Length (ft): 6.2

SCREEN
Diameter (ID) (in): 2
Type: SCH.40 PVC
Length (ft): 4.7
Slot Size (in): 0.10

SEAL
Type: BENTONITE
Length (ft): 1.4

SANDPACK
Type: #1
Length (ft): 5.7

WELL DEVELOPMENT DATA

Date: 3/06/98
Method: peristaltic pump
Duration: NA
Rate: NA
Total Volume Removed (gals): 3

WATER LEVELS

	Date	Time	Depth, TR
Development	3/06/98	1435	3.6
Installation	3/06/98	NA	7.2

LEGEND

TR	TOP OF WELL RISER
GS	GROUND SURFACE
TBS	TOP BENTONITE SEAL
TSP	TOP OF SANDPACK
TSC	TOP OF SCREEN
BSC	BOTTOM OF SCREEN
POW	POINT OF WELL
BOD	BOTTOM OF DRILL HOLE
in	INCHES
ft	FEET
ID	INSIDE DIAMETER
gals	GALLONS
SCH	SCHEDULE
NA	NOT APPLICABLE

WELL DETAILS: SEAL, SANDPACK

LITHOLOGY: FILL, SHALE, TILL, BEDROCK

NOTES: Temporary Well development consisted of removal of 3-5 well volumes.

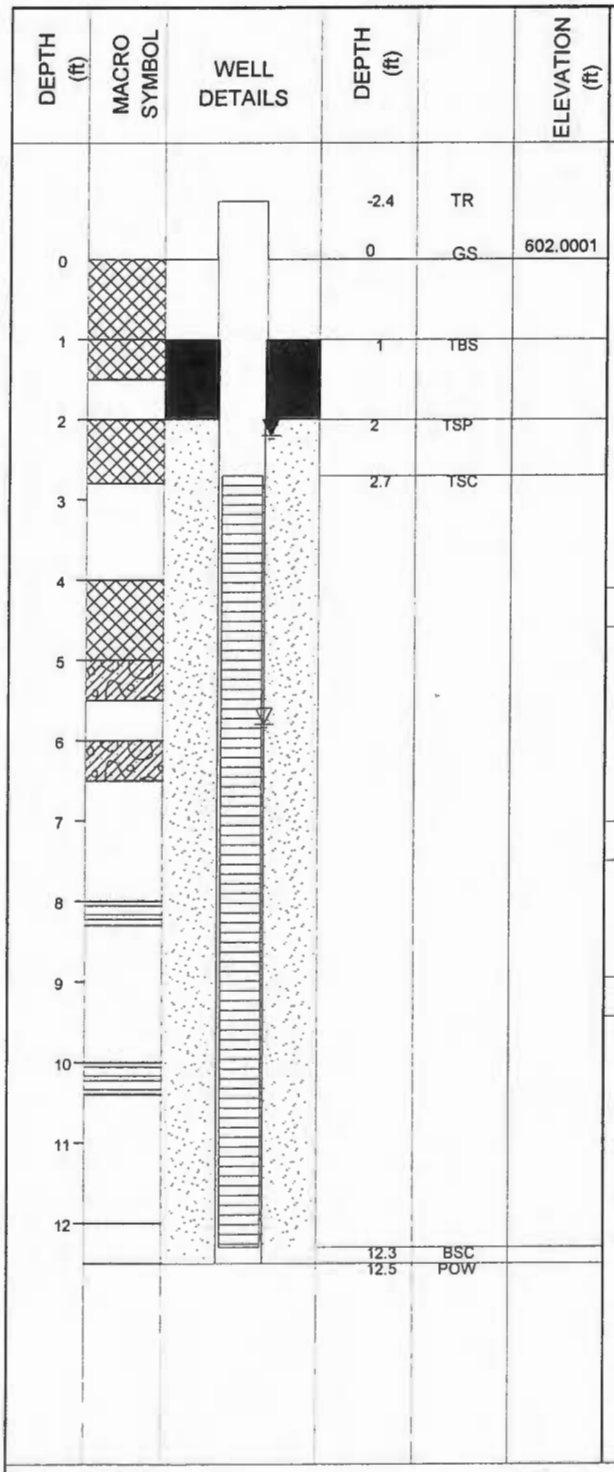
UNITED STATES ARMY
CORPS OF ENGINEERS
Seneca Army Depot
Romulus, New York

TEMPORARY WELL
COMPLETION REPORT: 122E-1

TEMPORARY WELL COMPLETION REPORT: 122E-2

PROJECT: Seneca Non-evaluated EBS Sites
PROJECT LOCATION: Seneca Army Depot, Romulus, New York
ASSOCIATED AREA/UNIT: SEAD 122
PROJECT NO: 733193-01001
WELL INSTALLATION STARTED: 3/06/98
WELL INSTALLATION COMPLETED: 3/06/98
DRILLING CONTRACTOR: Nothnagle
DRILLING METHOD: HSA 8"
SAMPLING METHOD: Split Spoon

TOTAL DEPTH: 12.5
DEPTH TO WATER: 2.2
BORING LOCATION: 988958.412 ft NORTH
739018.1027 ft EAST
COORDINATE SYSTEM: NAD83
GROUND SURFACE ELEVATION: 602.0001 ft
ELEVATION DATUM: NAVD88
INSPECTOR: DRG
CHECKED BY: ITR



WELL CONSTRUCTION DETAILS

RISER
Diameter (ID) (in): 2
Type: SCH.40 PVC
Length (ft): 6.5

SCREEN
Diameter (ID) (in): 2
Type: SCH.40 PVC
Length (ft): 9.6
Slot Size (in): 0.10

SEAL
Type: BENTONITE
Length (ft): 1

SANDPACK
Type: #1
Length (ft): 10.5

WELL DEVELOPMENT DATA

Date: 3/06/98
Method: peristaltic pump
Duration: NA
Rate: NA
Total Volume Removed (gals): 4.2

WATER LEVELS

	Date	Time	Depth, TR
Development	3/06/98	1515	5.8
Installation	3/06/98	NA	2.2

LEGEND

TR	TOP OF WELL RISER
GS	GROUND SURFACE
TBS	TOP BENTONITE SEAL
TSP	TOP OF SANDPACK
TSC	TOP OF SCREEN
BSC	BOTTOM OF SCREEN
POW	POINT OF WELL
BOD	BOTTOM OF DRILL HOLE
in	INCHES
ft	FEET
ID	INSIDE DIAMETER
gals	GALLONS
SCH	SCHEDULE
NA	NOT APPLICABLE

WELL DETAILS – LITHOLOGY

SEAL
SANDPACK
FILL
SHALE
TILL
BEDROCK

NOTES: Temporary Well development consisted of removal of 3-5 well volumes.

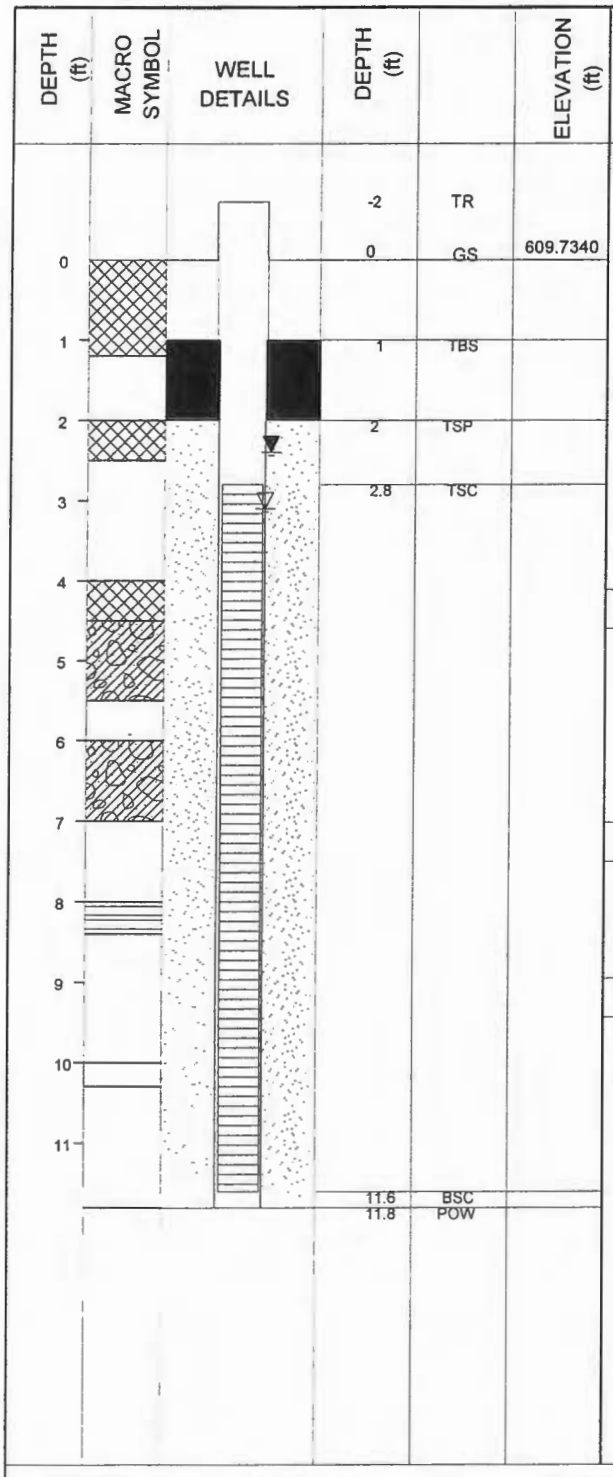
UNITED STATES ARMY
CORPS OF ENGINEERS
Seneca Army Depot
Romulus, New York

TEMPORARY WELL
COMPLETION REPORT: 122E-2

TEMPORARY WELL COMPLETION REPORT: 122E-3

PROJECT: Seneca Non-evaluated EBS Sites
PROJECT LOCATION: Seneca Army Depot, Romulus, New York
ASSOCIATED AREA/UNIT: SEAD 122
PROJECT NO: 733193-01001
WELL INSTALLATION STARTED: 3/06/98
WELL INSTALLATION COMPLETED: 3/06/98
DRILLING CONTRACTOR: Nothnagle
DRILLING METHOD: HSA 8"
SAMPLING METHOD: Split Spoon

TOTAL DEPTH: 11.8
DEPTH TO WATER: 2.4
BORING LOCATION: 991432.0738 ft NORTH
738522.1617 ft EAST
COORDINATE SYSTEM: NAD83
GROUND SURFACE ELEVATION: 609.7340 ft
ELEVATION DATUM: NAVD88
INSPECTOR: DRG
CHECKED BY: ITR



WELL CONSTRUCTION DETAILS

RISER
Diameter (ID) (in): 2
Type: SCH.40 PVC
Length (ft): 4.8

SCREEN
Diameter (ID) (in): 2
Type: SCH.40 PVC
Length (ft): 8.8
Slot Size (in): 0.10

SEAL
Type: BENTONITE
Length (ft): 1

SANDPACK
Type: #1
Length (ft): 9.8

WELL DEVELOPMENT DATA

Date: 3/06/98
Method: peristaltic pump
Duration: NA
Rate: NA
Total Volume Removed (gals): 4

WATER LEVELS

	Date	Time	Depth, TR
Development	3/06/98	1640	3.1
Installation	3/06/98	NA	2.4

LEGEND

TR	TOP OF WELL RISER
GS	GROUND SURFACE
TBS	TOP BENTONITE SEAL
TSP	TOP OF SANDPACK
TSC	TOP OF SCREEN
BSC	BOTTOM OF SCREEN
POW	POINT OF WELL
BOD	BOTTOM OF DRILL HOLE
in	INCHES
ft	FEET
ID	INSIDE DIAMETER
gals	GALLONS
SCH	SCHEDULE
NA	NOT APPLICABLE

WELL DETAILS: SEAL, SANDPACK

LITHOLOGY: FILL, SHALE, TILL, BEDROCK

NOTES: Temporary Well development consisted of removal of 3-5 well volumes.

UNITED STATES ARMY
CORPS OF ENGINEERS
Seneca Army Depot
Romulus, New York

TEMPORARY WELL
COMPLETION REPORT: 122E-3

APPENDIX D. Geophysical Data

Site: Ice Rink

SEDA EBS Sites

Easting	Northing	Quadrature Response	In-Phase Response
LINE 0			
741620.6784	1016112.929	23.834	0.49
741620.9152	1016108.173	24.108	0.525
741621.1521	1016103.416	23.896	0.497
741621.3889	1016098.66	23.406	0.409
741621.6258	1016093.904	23.284	0.679
741621.8626	1016089.148	23.346	0.735
741622.0994	1016084.393	23.04	0.705
741622.3363	1016079.637	22.95	0.56
741622.5732	1016074.881	22.828	0.415
741622.81	1016070.125	22.584	0.49
741623.0469	1016065.369	22.522	0.457
741623.2837	1016060.613	22.46	0.538
741623.5206	1016055.856	22.888	0.593
741623.7574	1016051.1	22.736	0.617
741623.9943	1016046.344	22.706	0.47
741624.2312	1016041.588	22.98	0.31
741624.468	1016036.833	22.766	0.648
741624.7048	1016032.077	22.858	0.657
741624.9417	1016027.321	23.102	0.683
741625.1785	1016022.565	23.162	0.784
741625.4154	1016017.809	23.986	0.641
741625.6522	1016013.052	24.108	0.727
741625.8891	1016008.296	25.3	0.907
741626.126	1016003.54	27.374	1.056
741626.3628	1015998.784	33.082	1.198
741626.5997	1015994.028	47.364	1.887
741626.8365	1015989.272	84.32	4.466
741627.0733	1015984.517	118.744	5.76
741627.3102	1015979.761	118.256	5.141
741627.547	1015975.005	172.698	8.125
741627.7839	1015970.248	208.74	9.156
741628.0208	1015965.492	149.506	6.647
741628.2576	1015960.736	163.208	8.544
741628.4945	1015955.98	170.502	7.871
741628.7313	1015951.224	186.248	5.69
741628.9682	1015946.468	74.616	1.808
741629.205	1015941.712	60.546	1.074
741629.4418	1015936.957	85.206	0.883
741629.6787	1015932.201	85.48	0.281
741629.9156	1015927.445	116.912	0.24
741630.3893	1015917.932	129.242	3.654
741630.6261	1015913.176	142.394	6.794
741630.863	1015908.42	209.382	15.796
741631.0998	1015903.664	241.424	16.926
741631.3367	1015898.908	211.426	10.469
741631.5735	1015894.152	162.11	6.146
741631.8104	1015889.396	139.924	6.763
741632.0472	1015884.641	138.61	13.628
741632.2841	1015879.884	119.11	11.072
741632.5209	1015875.128	83.558	1.164
741632.7578	1015870.372	48.462	-1.899
741632.9946	1015865.616	41.718	3.777
741633.2315	1015860.86	29.206	2.124
741633.4683	1015856.104	26	1.041
741633.7052	1015851.348	25.726	0.834
741633.9421	1015846.592	25.512	0.826
741634.1789	1015841.836	25.422	0.863
741634.4157	1015837.081	25.39	1.014
741634.6526	1015832.324	25.482	1.144
741634.8894	1015827.568	25.544	1.005
741635.1263	1015822.812	25.788	0.999
741635.3631	1015818.056	25.878	1.036
741635.6	1015813.3	25.878	0.92
LINE 20			
741655.5752	1015814.295	25.086	0.644
741655.3384	1015819.051	24.902	0.694
741655.1015	1015823.807	24.872	0.817
741654.8647	1015828.563	24.994	1.006
741654.6278	1015833.319	24.964	1.176
741654.391	1015838.075	24.902	0.92
741654.1542	1015842.83	24.81	0.944
741653.9173	1015847.587	24.536	0.957
741653.6804	1015852.343	24.566	0.994
741653.4436	1015857.099	24.506	0.819
741653.2067	1015861.855	24.598	0.821
741652.9699	1015866.611	24.476	0.942
741652.733	1015871.367	24.322	0.775
741652.4962	1015876.123	24.75	0.79
741652.2593	1015880.879	25.268	0.872
741652.0225	1015885.635	26.276	1.192
741651.7856	1015890.39	27.344	1.19
741651.5488	1015895.147	27.192	0.834
741651.3119	1015899.903	27.13	0.718
741651.0751	1015904.659	27.222	0.747
741650.8382	1015909.415	27.558	0.78
741650.6014	1015914.171	28.32	0.672
741650.3753	1015918.71	29.114	0.819
741650.1492	1015923.251	29.51	1.06
741649.9231	1015927.79	29.968	1.126
741649.697	1015932.33	30.274	1.028
741649.471	1015936.87	30.854	1.133
741649.2448	1015941.41	31.464	1.093
741649.0188	1015945.95	31.738	1.185
741648.7927	1015950.49	31.616	1.212
741648.5666	1015955.029	31.158	1.091
741648.3405	1015959.57	30.854	0.979
741648.1144	1015964.109	30.578	0.874
741647.8884	1015968.648	30.426	0.922
741647.6622	1015973.189	30.06	1.051
741647.4362	1015977.728	29.632	0.903
741647.2101	1015982.269	29.572	0.856

Site: Ice Rink

SEDA EBS Sites

Easting	Northing	Quadrature Response	In-Phase Response
741646.984	1015986.808	29.266	0.992
741646.7579	1015991.348	28.412	1.023
741646.5318	1015995.888	27.588	0.841
741646.3057	1016000.428	27.038	0.913
741646.0797	1016004.967	26.642	0.865
741645.8535	1016009.508	26.032	0.788
741645.6275	1016014.047	25.422	0.992
741645.3906	1016018.803	25.3	1.087
741645.1538	1016023.559	25.422	0.898
741644.9169	1016028.316	25.208	0.891
741644.6801	1016033.072	24.78	0.869
741644.4432	1016037.828	23.53	1.047
741644.2064	1016042.583	22.644	0.933
741643.9695	1016047.339	22.858	0.722
741643.7327	1016052.095	22.918	0.797
741643.4958	1016056.851	22.858	0.823
741643.259	1016061.607	22.98	1.006
741643.0221	1016066.363	23.01	1.091
741642.7853	1016071.119	23.194	1.062
741642.5484	1016075.876	23.284	0.795
741642.3115	1016080.632	22.95	0.611
741642.0747	1016085.388	23.072	0.749
741641.8379	1016090.143	22.828	0.769
741641.601	1016094.899	23.01	0.845
741641.3642	1016099.655	23.132	0.962
741641.1273	1016104.411	23.102	1.093
741640.8905	1016109.167	23.01	1.166
741640.6536	1016113.923	23.742	1.041
LINE 40			
741660.6288	1016114.918	23.56	0.852
741660.8657	1016110.162	23.498	0.927
741661.1026	1016105.406	23.926	0.747
741661.3394	1016100.65	23.498	0.595
741661.5763	1016095.894	23.62	0.701
741661.8131	1016091.138	23.132	0.858
741662.0499	1016086.383	22.98	1.017
741662.2868	1016081.626	22.918	0.916
741662.5236	1016076.87	23.162	0.802
741662.7605	1016072.114	22.674	0.661
741662.9974	1016067.358	23.53	0.744
741663.2342	1016062.602	23.284	0.903
741663.4711	1016057.846	23.072	0.957
741663.7079	1016053.09	23.53	0.955
741663.9448	1016048.334	23.956	0.836
741664.1816	1016043.578	23.56	0.777
741664.4184	1016038.823	22.95	0.867
741664.6553	1016034.066	23.926	1.159
741664.8922	1016029.31	24.688	0.997
741665.129	1016024.554	24.688	0.824
741665.3659	1016019.798	25.33	0.753
741665.6027	1016015.042	25.024	0.681
741665.8396	1016010.286	25.238	0.909
741666.0764	1016005.53	24.81	0.975
741666.3133	1016000.774	24.598	0.858
741666.5502	1015996.018	24.872	0.795
741666.787	1015991.261	25.054	1.076
741667.0238	1015986.506	24.994	1.027
741667.2607	1015981.75	24.78	0.795
741667.4975	1015976.994	24.932	0.779
741667.7344	1015972.238	25.3	0.858
741667.9712	1015967.482	25.086	0.992
741668.2081	1015962.726	25.238	0.975
741668.445	1015957.97	25.33	0.839
741668.6818	1015953.214	25.238	0.848
741668.9187	1015948.458	25.452	0.689
741669.1555	1015943.701	25.422	0.889
741669.3923	1015938.946	25.422	0.85
741669.6292	1015934.19	25.634	0.836
741669.866	1015929.434	24.23	0.747
741670.1029	1015924.678	24.018	0.786
741670.3398	1015919.922	23.712	0.804
741670.5766	1015915.166	23.834	0.881
741670.8135	1015910.41	24.17	0.87
741671.0503	1015905.654	24.17	1.008
741671.2872	1015900.897	24.2	0.951
741671.524	1015896.141	24.108	0.81
741671.7609	1015891.385	24.2	0.845
741671.9977	1015886.63	24.658	0.966
741672.2346	1015881.874	25.024	1.128
741672.4714	1015877.118	24.872	0.894
741672.7083	1015872.362	24.078	0.926
741672.9451	1015867.606	23.62	0.953
741673.182	1015862.85	23.376	1.049
741673.4188	1015858.094	23.53	1.15
741673.6557	1015853.337	23.896	1.032
741673.8925	1015848.581	23.926	1.109
741674.1294	1015843.825	23.896	1.21
741674.3662	1015839.07	24.354	1.062
741674.6031	1015834.314	24.476	0.933
741674.8399	1015829.558	24.506	1.113
741675.0768	1015824.802	24.536	0.911
741675.3136	1015820.046	24.658	0.861
741675.5505	1015815.29	25.024	1.168
LINE 60			
741695.5257	1015816.284	24.964	0.584
741695.2889	1015821.04	25.176	0.709
741695.052	1015825.797	25.3	0.834
741694.8152	1015830.553	24.902	0.889
741694.5783	1015835.309	24.292	1.177
741694.3415	1015840.065	24.14	1.089
741694.1046	1015844.82	24.018	1.014
741693.8678	1015849.576	24.23	0.909

Site: Ice Rink

SEDA EBS Sites

Easting	Northing	Quadrature Response	In-Phase Response
741693.6309	1015854.332	24.444	0.841
741693.3941	1015859.088	24.292	1.038
741693.1572	1015863.844	24.17	1.065
741692.9204	1015868.6	24.23	1.039
741692.6835	1015873.357	24.566	0.937
741692.4467	1015878.113	26.124	1.006
741692.2098	1015882.869	27.74	1.284
741691.9729	1015887.625	25.208	1.039
741691.7361	1015892.38	24.566	0.878
741691.4993	1015897.136	24.414	0.999
741691.2624	1015901.892	23.834	0.896
741691.0256	1015906.648	23.742	0.722
741690.7887	1015911.404	23.498	0.852
741690.5519	1015916.161	23.56	0.933
741690.315	1015920.917	23.468	0.981
741690.0781	1015925.673	23.346	0.982
741689.8413	1015930.429	23.284	0.848
741689.6044	1015935.185	23.132	1.003
741689.3676	1015939.941	24.018	0.975
741689.1308	1015944.696	25.054	0.76
741688.8939	1015949.452	25.116	0.887
741688.6571	1015954.208	24.842	0.876
741688.4202	1015958.965	24.688	0.837
741688.1833	1015963.721	24.81	0.812
741687.9465	1015968.477	24.81	0.997
741687.7096	1015973.233	24.81	0.988
741687.4728	1015977.989	24.75	0.894
741687.2359	1015982.745	24.262	0.942
741686.9991	1015987.501	24.262	0.852
741686.7623	1015992.256	24.384	0.795
741686.5254	1015997.012	24.414	0.863
741686.2885	1016001.768	24.17	0.942
741686.0517	1016006.525	24.14	0.817
741685.8148	1016011.281	24.048	0.841
741685.578	1016016.037	24.14	0.731
741685.3411	1016020.793	24.658	0.793
741685.1043	1016025.549	24.476	0.972
741684.8674	1016030.305	24.444	0.949
741684.6305	1016035.061	24.842	0.986
741684.3937	1016039.817	24.506	1.032
741684.1569	1016044.572	23.53	0.852
741683.92	1016049.329	23.284	0.779
741683.6832	1016054.085	23.53	0.874
741683.4463	1016058.841	23.406	1.021
741683.2095	1016063.597	23.56	0.973
741682.9726	1016068.353	23.316	0.975
741682.7357	1016073.109	23.04	0.845
741682.4989	1016077.865	23.162	0.902
741682.262	1016082.621	23.132	0.903
741682.0252	1016087.377	23.072	1.062
741681.7884	1016092.132	22.888	0.994
741681.5515	1016096.889	23.284	1.01
741681.3147	1016101.645	23.986	1.146
741681.0778	1016106.401	23.53	1.017
741680.841	1016111.157	23.682	1.122
741680.6041	1016115.913	23.498	1.242
LINE 80			
741700.6291	1016115.909	23.712	0.597
741700.8883	1016110.704	23.316	0.874
741701.1474	1016105.501	22.492	0.823
741701.4066	1016100.296	22.736	0.757
741701.6657	1016095.093	23.04	0.872
741701.9249	1016089.888	22.858	1.172
741702.1841	1016084.685	22.95	1.22
741702.4433	1016079.48	22.766	0.997
741702.7024	1016074.277	23.194	0.749
741702.9616	1016069.072	23.162	0.826
741703.2207	1016063.869	23.438	0.918
741703.4799	1016058.664	23.498	1.021
741703.739	1016053.46	22.95	1.047
741703.9982	1016048.256	23.406	1.03
741704.2574	1016043.052	23.926	0.909
741704.5166	1016037.848	23.62	0.96
741704.7757	1016032.644	23.774	0.992
741705.0349	1016027.44	25.054	1.065
741705.294	1016022.236	25.116	1.073
741705.5532	1016017.032	24.566	1.049
741705.7901	1016012.275	23.864	0.83
741706.0269	1016007.519	23.986	0.903
741706.2638	1016002.763	23.926	1.006
741706.5006	1015998.007	23.712	0.881
741706.7375	1015993.251	23.774	0.935
741706.9743	1015988.496	24.414	1.065
741707.2112	1015983.74	24.994	1.062
741707.448	1015978.984	24.628	0.994
741707.6849	1015974.228	24.658	0.933
741707.9217	1015969.471	24.932	1.051
741708.1586	1015964.715	24.506	1.065
741708.3954	1015959.959	24.17	0.935
741708.6323	1015955.203	24.688	0.887
741708.8692	1015950.447	23.986	1.016
741709.106	1015945.691	24.598	1.063
741709.3428	1015940.936	24.688	0.938
741709.5797	1015936.18	24.414	1.194
741709.8165	1015931.424	22.796	1.35
741710.0534	1015926.668	22.308	0.981
741710.2902	1015921.911	23.162	0.955
741710.5271	1015917.155	23.316	1.096
741710.7758	1015912.162	23.498	1.051
741711.0245	1015907.168	23.774	1.221
741711.2732	1015902.174	24.018	1.207
741711.5219	1015897.18	25.33	1.199

Site: Ice Rink

SEDA EBS Sites

Easting	Northing	Quadrature Response	In-Phase Response
741711.7706	1015892.186	26.824	1.223
741712.0193	1015887.192	31.982	1.418
741712.268	1015882.199	44.19	1.39
741712.5167	1015877.205	34.394	1.124
741712.7653	1015872.211	32.226	1.058
741713.014	1015867.217	35.43	1.12
741713.2627	1015862.223	30.396	1.034
741713.5114	1015857.23	27.192	0.893
741713.7601	1015852.236	26.032	1.085
741714.0088	1015847.242	25.36	1.352
741714.2575	1015842.248	24.902	1.179
741714.5062	1015837.254	24.932	1.091
741714.7549	1015832.261	24.598	1.223
741715.0036	1015827.267	24.536	1.15
741715.2523	1015822.273	24.658	1.225
741715.501	1015817.279	24.688	1.223
LINE 100			
741735.4762	1015818.274	25.39	0.369
741735.2502	1015822.813	25.146	0.389
741734.798	1015831.893	24.872	0.622
741734.5719	1015836.433	24.658	0.749
741734.3458	1015840.973	24.506	1.074
741734.1197	1015845.513	24.688	1.126
741733.8936	1015850.052	25.086	0.87
741733.6675	1015854.593	25.726	0.944
741733.4415	1015859.132	26.948	1.249
741733.2153	1015863.673	28.748	1.306
741732.9893	1015868.212	32.99	1.218
741732.7632	1015872.751	42.938	1.267
741732.5371	1015877.292	66.102	1.569
741732.311	1015881.831	44.982	1.418
741732.0849	1015886.371	36.834	1.21
741731.8589	1015890.911	41.32	1.096
741731.6328	1015895.451	35.4	1.03
741731.4067	1015899.991	30.152	0.942
741731.1806	1015904.531	27.282	0.994
741730.9545	1015909.07	25.756	1.062
741730.7284	1015913.611	24.932	1.085
741730.5023	1015918.15	24.566	1.069
741730.2537	1015923.144	23.986	1.039
741730.005	1015928.138	23.53	1.03
741729.7563	1015933.132	23.284	1.137
741729.5076	1015938.125	22.828	1.093
741729.2589	1015943.119	23.284	1.005
741729.0102	1015948.113	25.116	1.023
741728.7615	1015953.107	25.268	0.791
741728.5128	1015958.101	24.658	0.992
741728.2641	1015963.094	23.986	1.124
741728.0154	1015968.088	24.2	1.28
741727.7667	1015973.082	24.536	1.096
741727.518	1015978.076	24.536	1.08
741727.2693	1015983.07	24.842	1.045
741727.0206	1015988.063	24.902	0.959
741726.7719	1015993.057	24.994	1.056
741726.5232	1015998.051	24.262	1.177
741726.2745	1016003.045	24.2	1.144
741726.0259	1016008.039	24.262	1.021
741725.7772	1016013.033	24.14	0.957
741725.5285	1016018.026	24.2	0.935
741725.2916	1016022.782	24.108	0.883
741725.0548	1016027.539	24.078	0.984
741724.8179	1016032.295	23.926	1.071
741724.581	1016037.051	24.108	1.159
741724.3442	1016041.807	24.2	1.128
741724.1074	1016046.562	23.194	0.973
741723.8705	1016051.318	22.584	0.83
741723.3968	1016060.83	23.072	1.216
741723.16	1016065.586	23.072	1.161
741722.9231	1016070.342	22.858	1.005
741722.6862	1016075.099	23.01	1.124
741722.4494	1016079.855	22.858	1.271
741722.2125	1016084.611	22.828	1.199
741721.9757	1016089.367	22.736	1.056
741721.7389	1016094.122	22.828	1.093
741721.502	1016098.878	22.4	0.973
741721.2652	1016103.634	22.492	1.076
741721.0283	1016108.39	22.766	1.265
741720.7914	1016113.146	23.01	1.288
741720.5546	1016117.903	23.59	1.212
LINE 120			
741740.5298	1016118.897	23.774	0.773
741740.7371	1016114.735	24.14	1.196
741740.9443	1016110.575	24.048	1.17
741741.1516	1016106.413	23.774	1.106
741741.3588	1016102.251	23.56	1.014
741741.566	1016098.09	23.254	1.051
741741.7733	1016093.928	23.132	1.201
741741.9806	1016089.766	23.498	1.207
741742.1878	1016085.606	23.468	1.234
741742.395	1016081.444	23.132	1.115
741742.6023	1016077.282	23.316	1.122
741742.8095	1016073.121	23.62	1.288
741743.0168	1016068.959	23.682	1.22
741743.224	1016064.797	23.53	1.128
741743.4312	1016060.637	23.406	1.157
741743.6385	1016056.475	23.406	1.198
741743.8458	1016052.313	23.896	1.073
741744.053	1016048.152	23.498	1.177
741744.2602	1016043.99	23.316	1.15
741744.4675	1016039.828	23.406	1.091
741744.6747	1016035.667	24.384	1.31
741744.882	1016031.506	24.994	1.315

Site: Ice Rink

SEDA EBS Sites

Easting	Northing	Quadrature Response	In-Phase Response
741745.0892	1016027.344	24.688	1.115
741745.2964	1016023.183	24.536	1.069
741745.5037	1016019.021	24.872	0.972
741745.711	1016014.859	24.932	1.065
741745.9182	1016010.698	25.238	1.095
741746.1254	1016006.537	25.146	1.069
741746.3327	1016002.375	25.086	1.113
741746.5399	1015998.214	25.3	1.089
741746.7472	1015994.052	25.176	1.095
741746.9544	1015989.89	24.994	1.271
741747.1617	1015985.729	24.964	1.26
741747.3689	1015981.568	25.146	1.163
741747.5762	1015977.406	25.544	1.049
741747.7834	1015973.245	25.116	1.028
741747.9907	1015969.083	25.146	1.095
741748.1979	1015964.921	25.422	1.03
741748.4051	1015960.76	25.634	1.095
741748.6124	1015956.598	25.33	1.166
741748.8196	1015952.437	25.452	1.093
741749.0269	1015948.276	25.726	1.034
741749.2341	1015944.114	25.024	1.164
741749.4414	1015939.952	24.598	1.08
741749.6486	1015935.791	23.926	0.924
741749.8559	1015931.629	23.346	0.979
741750.0631	1015927.468	23.316	1.034
741750.2703	1015923.307	23.376	1.163
741750.4776	1015919.145	24.322	1.264
741750.6939	1015914.802	25.116	1.24
741750.9101	1015910.46	25.33	1.242
741751.1263	1015906.118	26	1.124
741751.3426	1015901.775	26.886	1.188
741751.5589	1015897.433	27.588	1.185
741751.7751	1015893.09	29.114	1.142
741751.9914	1015888.748	33.234	1.201
741752.2077	1015884.405	43.792	1.396
741752.4239	1015880.063	73.944	1.969
741752.6401	1015875.721	89.722	2.113
741752.8564	1015871.378	36.682	1.363
741753.0727	1015867.035	55.848	1.367
741753.2889	1015862.693	49.652	1.418
741753.5052	1015858.35	37.69	1.265
741753.7214	1015854.009	31.922	1.201
741753.9377	1015849.666	29.388	1.159
741754.1539	1015845.323	27.802	1.159
741754.3702	1015840.981	26.794	1.28
741754.5865	1015836.638	26.124	1.209
741754.8027	1015832.296	25.544	1.216
741755.0189	1015827.954	25.512	1.155
741755.2352	1015823.611	25.33	1.096
741755.4515	1015819.269	25.604	1.295
LINE 140			
741775.4267	1015820.263	25.666	1.117
741775.2195	1015824.425	25.422	1.13
741775.0122	1015828.586	25.422	1.084
741774.805	1015832.748	25.36	0.933
741774.5977	1015836.91	25.238	1.08
741774.3905	1015841.071	25.33	1.014
741774.1832	1015845.232	25.788	1.058
741773.7688	1015853.555	27.436	1.258
741773.5615	1015857.717	29.724	1.348
741773.3542	1015861.879	34.79	1.525
741773.147	1015866.04	46.814	1.479
741772.9398	1015870.202	80.413	1.765
741772.7325	1015874.363	71.594	1.534
741772.5253	1015878.524	50.934	1.344
741772.318	1015882.686	54.046	1.231
741772.1108	1015886.848	42.266	1.164
741771.9036	1015891.009	33.936	1.17
741771.6963	1015895.171	30.7	1.176
741771.489	1015899.332	28.962	1.262
741771.2818	1015903.493	27.314	1.102
741771.0746	1015907.655	26.276	1.027
741770.8673	1015911.817	25.696	1.006
741770.6601	1015915.978	25.086	1.093
741770.4528	1015920.14	24.658	1.049
741770.0203	1015928.825	24.78	1.111
741769.8041	1015933.167	24.262	1.177
741769.5878	1015937.509	23.834	1.293
741769.3716	1015941.852	23.346	1.012
741769.1553	1015946.194	24.476	0.898
741768.939	1015950.537	26.276	0.828
741768.5066	1015959.221	26.124	0.689
741768.2903	1015963.564	25.696	1.014
741768.074	1015967.906	25.482	1.111
741767.8578	1015972.249	25.116	0.942
741767.6415	1015976.592	24.872	1.019
741767.4252	1015980.934	25.086	1.115
741767.209	1015985.276	25.452	1.155
741766.9928	1015989.619	25.452	1.043
741766.7765	1015993.961	24.902	1.003
741766.5602	1015998.304	24.658	1.043
741766.344	1016002.646	24.598	1.03
741766.1277	1016006.989	24.628	1.08
741765.9115	1016011.331	24.354	1.168
741765.6952	1016015.673	24.262	1.089
741765.479	1016020.016	24.292	1.01
741765.2717	1016024.178	24.414	1.032
741765.0645	1016028.339	24.628	1.021
741764.8572	1016032.5	24.566	1.087
741764.65	1016036.662	24.536	1.032
741764.2355	1016044.985	24.322	0.962
741764.0282	1016049.147	23.346	0.486

Site: Ice Rink

SEDA EBS Sites

Easting	Northing	Quadrature Response	In-Phase Response
741763.821	1016053.308	22.766	0.733
741763.6138	1016057.469	22.918	0.96
741763.4065	1016061.631	23.01	1.047
741763.1993	1016065.792	23.132	1.146
741762.992	1016069.954	23.132	1.15
741762.5775	1016078.277	23.04	1.144
741762.3703	1016082.439	23.254	1.091
741762.163	1016086.6	23.254	1.063
741761.9558	1016090.761	22.95	1.176
741761.7485	1016094.923	22.888	1.142
741761.5413	1016099.085	23.132	1.198
741761.3341	1016103.246	23.194	1.282
741761.1268	1016107.408	22.888	1.15
741760.9195	1016111.569	22.918	1.139
741760.7123	1016115.73	23.01	1.152
741760.5051	1016119.892	23.346	1.124
LINE 160			
741780.4803	1016120.887	24.018	1.172
741780.6876	1016116.725	23.986	1.137
741780.8948	1016112.564	23.712	1.062
741781.1021	1016108.402	23.59	1.095
741781.3093	1016104.241	23.04	1.096
741781.5165	1016100.08	22.95	1.082
741781.7238	1016095.918	23.224	1.096
741781.9311	1016091.756	23.132	1.054
741782.1383	1016087.595	22.766	1.051
741782.3455	1016083.433	22.918	1.185
741782.5528	1016079.271	23.102	1.192
741782.76	1016075.111	23.072	1.102
741782.9673	1016070.949	22.828	1.089
741783.1745	1016066.787	22.736	1.198
741783.589	1016058.464	23.316	1.144
741783.7963	1016054.302	22.736	1.065
741784.0035	1016050.142	22.43	1.107
741784.2107	1016045.98	22.492	1.12
741784.418	1016041.818	23.316	1.139
741784.6252	1016037.657	24.262	1.176
741784.8325	1016033.495	24.322	0.841
741785.0397	1016029.333	23.834	1.008
741785.2469	1016025.173	23.804	1.076
741785.4542	1016021.011	23.864	1.082
741785.6705	1016016.668	23.774	1.027
741785.8867	1016012.325	23.864	1.047
741786.1029	1016007.984	24.262	1.078
741786.3192	1016003.641	24.384	1.111
741786.5355	1015999.299	24.566	1.098
741786.7517	1015994.956	24.566	1.115
741786.968	1015990.613	24.506	1.12
741787.1843	1015986.271	24.598	1.062
741787.4005	1015981.929	24.354	1.119
741787.6167	1015977.586	24.658	1.093
741787.833	1015973.244	24.81	1.091
741788.0493	1015968.901	24.78	1.005
741788.2655	1015964.559	24.872	1.06
741788.698	1015955.874	25.238	1.034
741788.9143	1015951.532	25.208	1.01
741789.1305	1015947.189	25.238	1.179
741789.3468	1015942.847	24.658	1.137
741789.5631	1015938.504	23.712	1.146
741789.7793	1015934.161	23.652	1.177
741789.9956	1015929.82	23.896	1.085
741790.2118	1015925.477	24.078	1.074
741790.4281	1015921.134	24.566	1.343
741790.6443	1015916.792	24.964	1.363
741790.8606	1015912.449	25.208	1.185
741791.0768	1015908.108	25.238	1.332
741791.2931	1015903.765	25.39	1.253
741791.5094	1015899.422	25.756	1.185
741791.7256	1015895.08	26.124	1.341
741791.9419	1015890.737	26.612	1.295
741792.1581	1015886.394	27.618	1.225
741792.3744	1015882.053	29.754	1.247
741792.5906	1015877.71	33.906	1.245
741792.8069	1015873.368	47.028	1.289
741793.0232	1015869.025	67.75	1.361
741793.2394	1015864.682	40.374	1.236
741793.4557	1015860.34	40.924	1.065
741793.6719	1015855.998	36.164	1.047
741793.8882	1015851.656	30.456	1.096
741794.1044	1015847.313	27.68	1.085
741794.3207	1015842.97	26.428	1.107
741794.537	1015838.628	25.788	1.185
741794.7532	1015834.285	25.33	1.236
741794.9694	1015829.943	25.146	1.221
741795.1857	1015825.601	25.146	1.168
741795.402	1015821.258	25.268	1.225
LINE 180			
741815.3772	1015822.253	25.452	1.062
741815.1783	1015826.248	25.634	1.082
741814.9793	1015830.243	25.512	1.117
741814.7803	1015834.238	25.208	1.098
741814.5814	1015838.233	25.146	1.063
741814.3824	1015842.228	25.208	1.034
741814.1835	1015846.223	25.422	1.1
741813.9845	1015850.218	25.422	1.12
741813.7856	1015854.213	25.848	1.142
741813.5866	1015858.208	26.246	1.06
741813.3877	1015862.203	26.398	1.012
741813.1887	1015866.199	26.612	1.014
741812.9897	1015870.194	25.91	1.073
741812.7908	1015874.189	26	1.054
741812.5918	1015878.184	26.458	1.128

Site: Ice Rink

SEDA EBS Sites

Easting	Northing	Quadrature Response	In-Phase Response
741812.3929	1015882.179	26.52	1.063
741812.1939	1015886.174	26.276	1.03
741811.995	1015890.169	26.368	0.973
741811.796	1015894.164	26.246	1.028
741811.5971	1015898.159	26.246	1.109
741811.3981	1015902.154	26.246	1.056
741811.1991	1015906.149	25.91	0.999
741811.0002	1015910.144	25.146	1.089
741810.8012	1015914.139	24.932	1.209
741810.6023	1015918.134	25.116	1.119
741810.4033	1015922.129	25.024	1.012
741810.212	1015925.97	25.024	0.986
741810.0207	1015929.812	25.116	1.021
741809.8294	1015933.653	24.72	1.08
741809.6381	1015937.495	23.956	1.137
741809.4468	1015941.336	23.59	1.109
741809.2555	1015945.178	24.2	1.15
741809.0642	1015949.019	25.94	1.37
741808.6816	1015956.701	26.246	1.093
741808.4903	1015960.544	25.94	1.063
741808.299	1015964.385	25.666	1.08
741808.1077	1015968.226	25.512	1.041
741807.9164	1015972.067	25.36	1.056
741807.7251	1015975.909	25.268	1.023
741807.5338	1015979.75	24.932	0.913
741807.3425	1015983.591	24.72	1.095
741807.1512	1015987.433	24.536	1.124
741806.7686	1015995.116	24.598	1.054
741806.5773	1015998.957	24.536	0.994
741806.386	1016002.798	24.262	1.051
741806.1947	1016006.639	23.986	1.137
741806.0033	1016010.482	23.956	1.1
741805.812	1016014.323	24.23	1.109
741805.4294	1016022.005	24.23	0.995
741805.2222	1016026.167	24.262	1.126
741805.015	1016030.328	24.018	1.157
741804.8077	1016034.49	24.2	1.03
741804.6004	1016038.652	23.926	0.858
741804.3932	1016042.813	23.438	0.975
741804.186	1016046.974	22.46	1.089
741803.9787	1016051.136	22.37	1.071
741803.7715	1016055.297	22.4	1.028
741803.5642	1016059.459	22.614	1.03
741803.357	1016063.621	22.98	1.179
741803.1498	1016067.782	23.132	1.062
741802.9425	1016071.944	23.224	1.106
741802.7352	1016076.105	22.918	1.12
741802.528	1016080.266	22.888	1.148
741802.3208	1016084.428	22.98	1.194
741801.9063	1016092.751	22.888	1.159
741801.699	1016096.913	22.918	1.102
741801.4918	1016101.074	23.438	1.135
741801.2846	1016105.235	22.918	1.157
741801.0773	1016109.397	23.864	1.106
741800.87	1016113.559	24.262	1.209
741800.6628	1016117.72	24.292	1.295
741800.4556	1016121.882	24.078	1.242
LINE 200			
741820.4308	1016122.876	24.536	1.003
741820.6381	1016118.715	25.024	1.001
741820.8453	1016114.554	24.018	1.028
741821.0525	1016110.392	24.476	1.117
741821.2598	1016106.23	24.444	1.177
741821.467	1016102.069	23.498	1.196
741821.6743	1016097.907	23.986	1.236
741821.8815	1016093.746	23.56	1.146
741822.0888	1016089.585	23.04	1.03
741822.296	1016085.423	23.62	1.073
741822.5033	1016081.261	23.62	1.277
741822.7105	1016077.1	23.406	1.258
741822.9178	1016072.938	23.498	1.243
741823.125	1016068.776	24.17	1.225
741823.3322	1016064.616	24.414	1.205
741823.5395	1016060.454	23.652	1.218
741823.7467	1016056.292	23.712	1.229
741823.954	1016052.131	23.254	1.168
741824.1612	1016047.969	22.858	1.155
741824.3685	1016043.807	23.56	1.12
741824.5757	1016039.647	22.278	1.155
741824.783	1016035.485	21.576	1.192
741824.9902	1016031.323	22.248	1.164
741825.1974	1016027.162	21.79	1.255
741825.4047	1016023	21.026	1.109
741825.612	1016018.838	20.996	1.069
741825.8192	1016014.678	21.21	1.087
741826.0264	1016010.516	21.362	1.027
741826.2337	1016006.354	21.302	1.106
741826.4409	1016002.193	21.514	1.131
741826.6482	1015998.031	21.392	1.073
741826.8554	1015993.869	21.546	1.172
741827.0626	1015989.708	21.606	1.185
741827.2699	1015985.547	21.698	1.089
741827.4772	1015981.385	22.094	1.159
741827.6844	1015977.224	22.308	1.245
741827.8916	1015973.062	23.284	1.1
741828.0989	1015968.9	24.108	1.032
741828.3061	1015964.739	21.454	0.674
741828.5134	1015960.578	23.194	1.049
741828.7206	1015956.416	24.658	1.26
741828.9278	1015952.255	23.986	1.122
741829.1351	1015948.093	23.742	1.047
741829.3424	1015943.931	24.292	1.12

Site: Ice Rink

SEDA EBS Sites

Easting	Northing	Quadrature Response	In-Phase Response
741829.5496	1015939.77	24.81	1.218
741829.7568	1015935.609	25.146	1.35
741829.9641	1015931.447	25.696	1.256
741830.1713	1015927.286	25.91	1.334
741830.3786	1015923.124	26.398	1.232
741830.5948	1015918.781	26.428	1.146
741830.8111	1015914.439	26.428	1.067
741831.0273	1015910.097	26.458	1.089
741831.2436	1015905.755	26.856	1.131
741831.4598	1015901.412	26.734	1.199
741831.6761	1015897.069	26.764	1.1
741831.8924	1015892.727	26.764	1.089
741832.1086	1015888.384	26.58	1.023
741832.3249	1015884.042	26.734	1.126
741832.5411	1015879.7	26.398	1.205
741832.7574	1015875.357	26.428	1.161
741832.9736	1015871.015	26.368	1.153
741833.1899	1015866.672	26.52	1.142
741833.4062	1015862.329	26.978	1.15
741833.6224	1015857.988	26.824	1.109
741833.8387	1015853.645	26.276	0.913
741834.0549	1015849.302	25.482	0.986
741834.2712	1015844.96	25.512	1.192
741834.4874	1015840.617	25.756	1.163
741834.7037	1015836.275	25.726	1.069
741834.9199	1015831.933	25.696	1.124
741835.1362	1015827.59	25.756	1.085
741835.3525	1015823.248	26.154	1.104
LINE 220			
741855.3277	1015824.243	26.52	1.398
741855.1016	1015828.782	26.49	1.442
741854.8755	1015833.322	26.52	1.4
741854.6495	1015837.862	26.824	1.385
741854.4233	1015842.402	27.558	1.446
741854.1973	1015846.941	28.748	1.664
741853.9712	1015851.482	30.64	1.898
741853.7451	1015856.021	33.752	2.568
741853.519	1015860.562	32.868	0.92
741853.2929	1015865.101	27.71	-1.262
741853.0668	1015869.641	33.448	1.433
741852.8408	1015874.181	33.722	2.675
741852.6147	1015878.72	28.87	0.96
741852.3886	1015883.26	24.108	-1.139
741852.1625	1015887.8	19.744	-2.081
741851.9364	1015892.34	18.31	-1.833
741851.7103	1015896.88	18.554	-1.802
741851.2582	1015905.959	18.036	-1.898
741851.0321	1015910.5	19.744	-1.635
741850.806	1015915.039	23.376	-1.166
741850.5799	1015919.579	27.68	0.624
741850.3538	1015924.119	30.334	1.582
741850.1549	1015928.114	31.678	2.015
741849.9559	1015932.109	32.348	2.276
741849.757	1015936.104	32.074	2.395
741849.558	1015940.099	31.25	1.927
741849.1601	1015948.089	29.908	1.1
741848.9611	1015952.084	29.908	1.089
741848.7622	1015956.079	29.846	1.346
741848.5632	1015960.074	29.296	1.315
741848.3643	1015964.069	28.84	1.277
741848.1653	1015968.064	28.26	1.225
741847.9664	1015972.059	28.016	1.363
741847.7674	1015976.054	27.924	1.372
741847.5684	1015980.049	27.924	1.277
741847.3695	1015984.044	27.526	1.278
741847.1705	1015988.04	26.856	1.131
741846.9716	1015992.035	26.092	1.115
741846.7726	1015996.03	25.878	1.106
741846.3747	1016004.02	24.566	1.005
741846.1758	1016008.015	24.322	1.113
741845.7778	1016016.005	24.17	1.096
741845.3799	1016023.995	24.444	1.3
741845.1431	1016028.751	24.81	1.107
741844.9062	1016033.507	24.598	1.324
741844.6694	1016038.263	23.194	1.444
741844.4325	1016043.019	22.614	1.308
741844.1957	1016047.776	22.766	1.304
741843.9588	1016052.531	23.254	1.265
741843.722	1016057.287	23.804	1.166
741843.4851	1016062.043	23.986	1.179
741843.2483	1016066.799	23.804	1.236
741843.0114	1016071.555	23.742	1.157
741842.7746	1016076.311	23.224	0.898
741842.5377	1016081.067	23.376	1.041
741842.3009	1016085.823	23.376	1.223
741842.064	1016090.579	23.284	1.288
741841.8271	1016095.336	23.04	1.28
741841.5903	1016100.091	22.828	1.346
741841.3535	1016104.847	23.102	1.183
741841.1166	1016109.603	23.376	1.324
741840.8798	1016114.359	23.682	1.385
741840.6429	1016119.115	23.59	1.468
741840.4061	1016123.871	23.59	1.372
LINE 240			
741860.3813	1016124.866	24.292	1.186
741860.6182	1016120.11	24.444	1.218
741860.855	1016115.354	24.23	1.172
741861.0919	1016110.598	23.712	1.277
741861.3287	1016105.842	24.078	1.289
741861.5656	1016101.085	24.17	1.245
741861.8024	1016096.33	24.384	1.328
741862.0392	1016091.574	24.476	1.339

Site: Ice Rink

SEDA EBS Sites

Easting	Northing	Quadrature Response	In-Phase Response
741862.2761	1016086.818	24.292	1.13
741862.513	1016082.062	24.262	0.938
741862.7498	1016077.306	24.322	1.142
741862.9867	1016072.55	24.566	1.337
741863.2235	1016067.794	24.354	1.291
741863.4604	1016063.038	24.414	1.282
741863.6972	1016058.282	24.628	1.453
741863.9341	1016053.525	24.506	1.411
741864.1709	1016048.77	24.292	1.286
741864.4078	1016044.014	24.262	1.212
741864.6446	1016039.258	24.292	1.295
741864.8815	1016034.502	23.926	1.334
741865.1183	1016029.746	23.652	1.255
741865.3552	1016024.99	23.59	1.164
741865.5865	1016020.345	23.742	1.102
741865.8179	1016015.699	24.384	1.381
741866.0492	1016011.054	25.054	1.466
741866.2806	1016006.408	26.398	1.515
741866.5119	1016001.763	29.938	2.1
741866.7432	1015997.117	40.924	5.83
741866.9746	1015992.472	68.97	14.041
741867.2059	1015987.827	169.006	33.676
741867.4372	1015983.182	238.738	33.676
741867.6686	1015978.535	289.428	33.68
741867.9	1015973.89	302.276	33.678
741868.1313	1015969.245	277.1	33.676
741868.3626	1015964.6	246.704	33.676
741868.594	1015959.954	289.948	33.68
741868.8253	1015955.309	301.972	33.678
741869.0567	1015950.663	302.308	33.676
741869.288	1015946.018	302.704	33.673
741869.5194	1015941.372	303.254	33.676
741869.7507	1015936.727	286.622	33.678
741869.982	1015932.082	208.832	33.678
741870.2134	1015927.437	210.938	33.676
741870.4448	1015922.79	195.892	33.678
741870.6761	1015918.145	175.72	33.68
741870.9074	1015913.5	167.51	33.676
741871.1388	1015908.855	185.394	33.678
741871.3701	1015904.209	165.04	33.678
741871.6014	1015899.564	173.31	33.671
741871.8328	1015894.918	154.694	26.641
741872.0642	1015890.273	160.888	30.299
741872.2955	1015885.627	150.024	25.862
741872.5268	1015880.982	89.08	8.02
741872.7582	1015876.337	64.91	4.911
741872.9895	1015871.692	49.682	4.503
741873.2209	1015867.046	35.92	0.183
741873.4522	1015862.4	26.154	-2.011
741873.6835	1015857.755	17.456	-3.006
741873.9149	1015853.11	9.49	-5.953
741874.1462	1015848.465	-5.432	-19.524
741874.3776	1015843.819	-12.97	-18.153
741874.6089	1015839.173	-4.944	-5.324
741874.8403	1015834.528	5.126	1.953
741875.0716	1015829.883	7.294	1.587
741875.3029	1015825.237	10.59	1.001

Site: SEAD-123F

SEDA EBS Sites

Easting	Northing	Quadrature Response	In-Phase Response
LINE 0			
740206.1	1015640.6	19.406	8.492
740205.9552	1015644.764	103.852	7.41
740205.8103	1015648.928	105.408	8.38
740205.6655	1015653.092	105.224	9.959
740205.5207	1015657.257	108.552	8.005
740205.3758	1015661.42	114.074	9.826
740205.231	1015665.585	144.5	19.737
740205.0862	1015669.749	158.326	23.392
740204.9413	1015673.913	197.602	33.612
740204.7965	1015678.077	212.31	33.744
740204.6517	1015682.242	184.876	32.987
740204.5068	1015686.405	192.26	33.744
740204.362	1015690.57	199.158	33.746
740204.2172	1015694.734	239.014	33.746
740204.0723	1015698.898	242.34	33.744
740203.9275	1015703.062	205.78	32.17
740203.7827	1015707.227	179.108	23.57
740203.6378	1015711.39	218.414	33.744
740203.493	1015715.555	251.678	33.744
740203.3482	1015719.719	194.092	33.744
740203.2033	1015723.883	244.904	33.744
740202.9137	1015732.212	257.904	33.744
740202.7688	1015736.375	224.396	33.746
740202.624	1015740.54	234.162	33.742
740202.466	1015745.082	244.294	33.742
740202.308	1015749.625	209.93	28.046
740202.15	1015754.167	185.15	22.304
740201.992	1015758.711	198.638	26.315
740201.834	1015763.253	252.9	33.744
740201.676	1015767.796	239.44	33.744
740201.518	1015772.338	165.496	33.746
740201.202	1015781.424	97.87	1.343
740201.044	1015785.967	172.546	4.97
740200.886	1015790.509	197.114	16.52
740200.728	1015795.052	176.484	15.577
740200.57	1015799.595	135.132	10.721
740200.412	1015804.137	166.596	19.708
740200.254	1015808.68	179.87	20.575
740200.096	1015813.223	200.928	29.834
740199.938	1015817.766	235.626	33.744
740199.78	1015822.308	237.732	32.173
740199.622	1015826.851	250.396	30.823
740199.464	1015831.394	234.284	28.528
740199.306	1015835.937	246.49	33.744
740199.148	1015840.479	203.156	25.744
740198.99	1015845.021	181.182	27.569
740198.832	1015849.565	162.812	23.613
740198.674	1015854.107	158.448	22.609
740198.516	1015858.65	146.332	17.837
740198.358	1015863.192	143.218	15.046
740198.2	1015867.736	146.668	18.58
740198.042	1015872.278	146.088	16.968
740197.884	1015876.821	123.382	11.456
740197.726	1015881.363	102.294	7.726
740197.568	1015885.907	96.192	6.504
740197.41	1015890.449	92.956	6.734
740197.252	1015894.991	108.428	11.675
740197.094	1015899.534	122.528	15.09
740196.936	1015904.077	130.34	7.544
740196.778	1015908.62	117.432	7.127
740196.62	1015913.162	129.486	12.094
740196.462	1015917.705	121.094	13.486
740196.304	1015922.248	120.85	12.209
740196.146	1015926.791	130.004	15.702
740195.988	1015931.333	125.854	13.925
740195.83	1015935.876	113.708	12.715
740195.672	1015940.419	101.47	11.373
740195.341	1015949.937	93.14	7.899
740195.1754	1015954.696	92.194	8.288
740195.0099	1015959.455	80.474	6.649
740194.8444	1015964.214	77.728	5.901
740194.6789	1015968.972	82.856	7.656
740194.5134	1015973.732	80.658	7.202
740194.3478	1015978.491	71.656	5.786
740194.1823	1015983.25	66.498	5.13
740194.0168	1015988.009	65.978	5.177
740193.6857	1015997.527	64.698	5.391
740193.5202	1016002.286	64.056	4.876
740193.3547	1016007.045	71.198	5.659
740193.1891	1016011.805	78.124	6.469
740193.0237	1016016.563	82.642	7.055
740192.8581	1016021.322	82.154	6.842
740192.6926	1016026.081	83.19	6.765
740192.3615	1016035.599	82.214	7.364
740192.196	1016040.358	88.074	8.011
LINE 20			
740212.1839	1016041.053	47.364	2.094
740212.3495	1016036.294	44.28	1.763
740212.515	1016031.535	39.978	1.433
740212.6805	1016026.776	36.346	1.164
740212.846	1016022.017	35.096	1.122
740213.0116	1016017.258	33.722	0.667
740213.1771	1016012.5	32.41	0.606
740213.3426	1016007.741	32.104	0.749
740213.5081	1016002.981	31.342	0.804
740213.6736	1015998.222	31.036	0.655
740213.8392	1015993.463	30.152	0.415
740214.0047	1015988.704	30.456	0.387
740214.1702	1015983.945	29.998	0.532
740214.3357	1015979.186	29.816	0.663
740214.5013	1015974.427	30.242	0.571

Site: SEAD-123F

SEDA EBS Sites

Easting	Northing	Quadrature Response	In-Phase Response
740214.8323	1015964.91	30.03	0.49
740214.9978	1015960.15	29.754	0.417
740215.1633	1015955.391	29.296	0.24
740215.3289	1015950.632	28.87	0.396
740215.4944	1015945.873	28.992	0.4
740215.6599	1015941.114	28.656	0.255
740215.8255	1015936.355	28.594	0.24
740215.991	1015931.596	28.594	0.251
740216.322	1015922.077	28.962	0.209
740216.4876	1015917.318	29.114	0.222
740216.6531	1015912.56	28.84	0.453
740216.8186	1015907.801	28.84	0.422
740216.9841	1015903.042	28.9	0.42
740217.1496	1015898.283	29.144	0.474
740217.3152	1015893.524	29.084	0.453
740217.4807	1015888.765	29.266	0.409
740217.6462	1015884.005	28.87	0.134
740217.8117	1015879.246	28.686	0.135
740217.9773	1015874.487	29.388	0.27
740218.1428	1015869.728	30.12	0.235
740218.3083	1015864.97	30.334	0.251
740218.4738	1015860.211	31.524	0.266
740218.6393	1015855.452	30.944	0.417
740218.8049	1015850.693	29.51	0.262
740218.9704	1015845.933	29.542	0.071
740219.1359	1015841.174	29.266	0.066
740219.2939	1015836.632	28.93	0.011
740219.4519	1015832.089	28.442	0.099
740219.6099	1015827.547	28.076	0.036
740219.7679	1015823.003	27.618	-0.077
740219.9259	1015818.461	27.436	-0.082
740220.0839	1015813.918	26.856	-0.045
740220.2419	1015809.376	26.368	-0.121
740220.5579	1015800.29	26.612	-0.2
740220.7159	1015795.747	26.612	-0.034
740220.8739	1015791.205	26.642	0.121
740221.0319	1015786.662	26.856	0.174
740221.1899	1015782.119	27.008	-0.211
740221.3479	1015777.577	27.07	-0.053
740221.5059	1015773.034	27.282	0.174
740221.6639	1015768.491	27.436	0.056
740221.8219	1015763.948	27.374	0.055
740221.9799	1015759.406	27.404	0.075
740222.1379	1015754.863	27.77	0.18
740222.2959	1015750.32	27.984	0.154
740222.4539	1015745.777	28.046	0.281
740222.6119	1015741.235	28.046	0.248
740222.9595	1015731.241	27.862	0.615
740223.1333	1015726.244	28.35	0.745
740223.3071	1015721.247	28.686	0.319
740223.4809	1015716.25	28.382	0.297
740223.6547	1015711.253	27.618	0.251
740223.8285	1015706.256	27.558	0.095
740224.0023	1015701.259	27.984	0.161
740224.1761	1015696.262	28.046	0.374
740224.3499	1015691.265	27.984	0.374
740224.5237	1015686.268	27.618	0.056
740224.6975	1015681.271	27.984	-0.167
740224.8713	1015676.274	27.71	-0.069
740225.0451	1015671.277	27.74	0.012
740225.2189	1015666.28	27.68	0.051
740225.3927	1015661.283	27.466	-0.152
740225.5665	1015656.286	27.74	-0.145
740225.9141	1015646.292	27.07	-0.477
740226.0879	1015641.295	26.916	-0.275
LINE 40			
740246.0758	1015641.99	25.33	-0.509
740245.9247	1015646.336	25.36	-0.433
740245.7736	1015650.681	24.72	-0.391
740245.6225	1015655.026	24.536	-0.514
740245.4713	1015659.371	24.048	-0.661
740245.3202	1015663.716	24.14	-0.505
740245.169	1015668.062	24.048	-0.676
740245.0179	1015672.407	23.986	-0.705
740244.8668	1015676.752	23.926	-0.554
740244.7157	1015681.097	23.926	-0.67
740244.5645	1015685.442	23.896	-0.716
740244.4134	1015689.787	23.896	-0.639
740244.2623	1015694.133	23.468	-0.507
740244.1111	1015698.478	23.254	-0.758
740243.96	1015702.824	23.406	-0.81
740243.8089	1015707.168	23.56	-0.659
740243.6578	1015711.513	23.438	-0.65
740243.5066	1015715.859	23.438	-0.486
740243.3555	1015720.204	23.346	-0.525
740243.2043	1015724.549	23.102	-0.681
740243.0532	1015728.895	22.95	-0.657
740242.9021	1015733.239	22.584	-0.918
740242.5998	1015741.93	21.972	-0.771
740242.4343	1015746.689	21.972	-0.532
740242.2688	1015751.448	22.492	-0.608
740242.1033	1015756.207	22.522	-0.571
740241.9377	1015760.966	22.492	-0.551
740241.7722	1015765.726	22.522	-0.667
740241.6067	1015770.484	22.522	-0.942
740241.4412	1015775.243	22.46	-1.052
740241.1101	1015784.761	22.644	-0.83
740240.9446	1015789.52	22.584	-0.859
740240.7791	1015794.279	22.492	-0.863
740240.6135	1015799.038	22.43	-0.784
740240.448	1015803.798	22.278	-0.812
740240.2825	1015808.557	22.278	-0.87

Site: SEAD-123F

SEDA EBS Sites

Easting	Northing	Quadrature Response	In-Phase Response
740240.117	1015813.316	22.43	-0.791
740239.9515	1015818.074	22.278	-0.617
740239.7859	1015822.833	22.186	-0.744
740239.6204	1015827.592	22.46	-0.633
740239.4549	1015832.351	22.584	-0.518
740239.2894	1015837.11	22.492	-0.556
740239.1238	1015841.87	22.766	-0.681
740238.9583	1015846.629	23.102	-0.406
740238.7928	1015851.388	23.284	-0.424
740238.6273	1015856.147	23.652	-0.297
740238.4617	1015860.906	23.59	-0.327
740238.2962	1015865.665	23.926	-0.519
740238.1307	1015870.423	24.14	-0.569
740237.9652	1015875.182	24.262	-0.49
740237.7997	1015879.942	24.354	-0.433
740237.6341	1015884.701	24.688	-0.301
740237.4686	1015889.46	25.33	-0.266
740237.3031	1015894.219	25.36	-0.395
740237.1375	1015898.978	25.176	-0.589
740236.972	1015903.737	25.238	-0.834
740236.8065	1015908.496	24.994	-0.712
740236.641	1015913.255	24.964	-0.494
740236.4755	1015918.013	24.444	-0.723
740236.3099	1015922.773	24.078	-0.824
740236.1444	1015927.532	24.23	-0.602
740235.9789	1015932.291	24.444	-0.613
740235.8134	1015937.05	24.476	-0.622
740235.6478	1015941.809	24.476	-0.569
740235.474	1015946.806	24.384	-0.608
740235.3002	1015951.803	24.414	-0.725
740235.1264	1015956.8	24.384	-0.687
740234.9526	1015961.797	24.354	-0.602
740234.7788	1015966.794	24.506	-0.685
740234.4312	1015976.788	24.964	-0.657
740234.2574	1015981.785	24.932	-0.639
740234.0836	1015986.782	24.75	-0.466
740233.9098	1015991.779	24.75	-0.56
740233.736	1015996.776	24.688	-0.622
740233.5622	1016001.773	24.598	-0.711
740233.3884	1016006.77	24.658	-0.547
740233.2146	1016011.767	24.628	-0.531
740233.0408	1016016.764	25.086	-0.586
740232.867	1016021.761	25.666	-0.523
740232.6932	1016026.758	25.818	-0.562
740232.5194	1016031.755	26.336	-0.369
740232.3456	1016036.752	27.374	-0.121
740232.1718	1016041.749	28.87	0.157
LINE 60			
740252.1598	1016042.444	30.334	-0.45
740252.4758	1016033.358	28.32	-0.448
740252.6337	1016028.816	26.428	-0.457
740252.7918	1016024.273	25.634	-0.474
740253.1078	1016015.187	24.75	-0.556
740253.2658	1016010.645	24.384	-0.927
740253.4238	1016006.102	24.018	-0.874
740253.5818	1016001.56	23.804	-0.78
740253.7398	1015997.016	23.438	-0.916
740253.8978	1015992.474	23.162	-0.61
740254.0557	1015987.932	22.858	-0.791
740254.2138	1015983.389	22.522	-0.946
740254.3717	1015978.846	22.308	-0.795
740254.5298	1015974.303	21.942	-0.711
740254.6877	1015969.761	21.972	-0.876
740254.8458	1015965.218	22.338	-0.951
740255.0037	1015960.675	22.552	-0.889
740255.1618	1015956.132	22.766	-0.621
740255.3198	1015951.59	22.828	-0.845
740255.4778	1015947.047	22.918	-0.887
740255.6358	1015942.504	22.796	-0.938
740255.9518	1015933.419	22.98	-0.69
740256.1097	1015928.877	23.132	-0.655
740256.2678	1015924.333	23.406	-0.711
740256.4257	1015919.791	23.438	-0.9
740256.5838	1015915.248	23.194	-0.63
740256.8998	1015906.162	22.796	-0.839
740257.0577	1015901.62	22.828	-0.903
740257.2158	1015897.077	22.584	-0.874
740257.3738	1015892.535	22.278	-0.986
740257.5317	1015887.992	22.186	-0.878
740257.6898	1015883.449	21.972	-0.927
740257.8477	1015878.907	21.882	-0.352
740258.0058	1015874.364	21.972	-0.424
740258.1637	1015869.821	21.82	-1.082
740258.3218	1015865.278	21.698	-1.225
740258.4797	1015860.736	21.698	-1.089
740258.6378	1015856.192	21.668	-1.014
740258.7957	1015851.65	21.514	-0.955
740258.9538	1015847.107	21.088	-1.01
740259.1118	1015842.565	21.302	-1.045
740259.2773	1015837.806	21.576	-1.071
740259.4428	1015833.046	21.514	-1.054
740259.6083	1015828.287	21.728	-0.771
740259.7739	1015823.528	21.668	-0.731
740259.9394	1015818.769	21.576	-0.905
740260.1049	1015814.011	21.636	-0.96
740260.2704	1015809.252	21.82	-0.854
740260.4359	1015804.493	21.912	-1.122
740260.6015	1015799.734	21.912	-0.929
740260.767	1015794.975	21.912	-0.795
740260.9325	1015790.215	22.156	-0.911
740261.098	1015785.456	22.126	-1.146
740261.2636	1015780.697	22.186	-0.817

Site: SEAD-123F

SEDA EBS Sites

Easting	Northing	Quadrature Response	In-Phase Response
740261.4291	1015775.938	22.216	-1.153
740261.5946	1015771.179	22.338	-0.915
740261.7601	1015766.421	22.37	-0.874
740261.9256	1015761.662	22.522	-1.069
740262.0912	1015756.903	22.552	-0.949
740262.2567	1015752.143	22.522	-0.633
740262.4222	1015747.384	22.46	-0.674
740262.5877	1015742.625	22.43	-0.712
740262.7533	1015737.866	22.338	-0.821
740262.9188	1015733.107	22.186	-0.444
740263.0843	1015728.348	22.156	-0.569
740263.2499	1015723.589	22.216	-0.758
740263.4154	1015718.83	22.004	-0.661
740263.5809	1015714.071	21.76	-0.637
740263.7464	1015709.312	21.942	-0.6
740263.9119	1015704.553	22.004	-0.885
740264.0775	1015699.794	22.126	-1.085
740264.243	1015695.035	22.248	-0.736
740264.4085	1015690.276	22.37	-0.299
740264.574	1015685.517	22.43	-0.477
740264.7396	1015680.758	22.552	-0.913
740264.9051	1015675.998	22.614	-0.946
740265.0706	1015671.239	22.644	-0.964
740265.2361	1015666.481	22.552	-0.758
740265.4016	1015661.722	22.584	-1.01
740265.5672	1015656.963	22.888	-1.354
740265.7327	1015652.204	23.406	-0.933
740265.8982	1015647.445	23.774	-0.898
740266.0637	1015642.686	24.018	-0.823
LINE 80			
740286.0517	1015643.381	23.956	-1.093
740285.9005	1015647.726	23.896	-1.076
740285.7494	1015652.072	23.59	-1.236
740285.5983	1015656.416	23.53	-1.159
740285.4471	1015660.761	23.346	-1.126
740285.296	1015665.107	23.102	-1.458
740285.1449	1015669.452	22.918	-1.361
740284.9937	1015673.797	22.674	-1.216
740284.8426	1015678.143	22.278	-1.111
740284.6915	1015682.487	21.942	-1.016
740284.5404	1015686.833	21.79	-1.091
740284.3892	1015691.178	21.698	-1.155
740284.2381	1015695.523	21.82	-1.148
740284.087	1015699.869	21.728	-1.065
740283.9358	1015704.214	21.76	-1.31
740283.7847	1015708.558	21.728	-1.251
740283.6336	1015712.904	22.094	-1.153
740283.4824	1015717.249	22.308	-1.15
740283.3313	1015721.595	22.004	-1.282
740283.029	1015730.285	21.698	-1.422
740282.8779	1015734.63	21.484	-1.076
740282.5757	1015743.32	20.996	-1.181
740282.4245	1015747.666	20.996	-1.084
740282.2734	1015752.011	21.026	-1.01
740282.1223	1015756.355	21.454	-1.19
740281.9711	1015760.701	21.484	-1.146
740281.82	1015765.046	21.606	-1.313
740281.6689	1015769.392	21.302	-1.063
740281.5177	1015773.737	21.21	-0.964
740281.3666	1015778.082	21.148	-1.22
740281.2155	1015782.427	20.996	-1.379
740281.0644	1015786.772	20.782	-1.335
740280.9132	1015791.117	20.66	-1.249
740280.7621	1015795.463	20.6	-1.198
740280.611	1015799.808	20.69	-1.326
740280.3087	1015808.498	20.538	-1.245
740280.1576	1015812.843	20.69	-1.157
740280.0064	1015817.189	20.722	-1.096
740279.8553	1015821.534	21.026	-1.021
740279.7042	1015825.879	21.118	-1.047
740279.553	1015830.225	21.24	-1.056
740279.4019	1015834.569	21.088	-1.01
740279.2508	1015838.915	20.996	-1.172
740279.0997	1015843.26	21.058	-1.028
740278.9341	1015848.019	21.148	-1.172
740278.7686	1015852.778	21.332	-1.051
740278.6031	1015857.537	21.362	-0.975
740278.4376	1015862.296	21.24	-0.898
740278.272	1015867.056	21.21	-0.931
740278.1065	1015871.814	21.148	-0.994
740277.941	1015876.573	21.118	-0.85
740277.7755	1015881.332	21.118	-0.714
740277.61	1015886.091	21.302	-0.758
740277.4444	1015890.85	21.728	-0.791
740277.2789	1015895.609	22.064	-0.768
740277.1134	1015900.368	22.338	-0.749
740276.9478	1015905.128	22.584	-0.839
740276.7823	1015909.887	22.706	-0.887
740276.6168	1015914.646	22.766	-0.903
740276.4513	1015919.404	23.01	-0.834
740276.2858	1015924.163	22.95	-0.817
740276.1202	1015928.922	22.796	-1.08
740275.9547	1015933.681	22.766	-1.262
740275.7892	1015938.44	22.706	-1.146
740275.6237	1015943.2	22.492	-1.166
740275.4581	1015947.959	22.522	-1.03
740275.2926	1015952.718	22.4	-0.915
740275.1271	1015957.477	22.156	-0.962
740274.9616	1015962.236	21.82	-1.036
740274.796	1015966.995	21.668	-1.113
740274.6305	1015971.753	21.424	-1.12
740274.2995	1015981.271	21.484	-0.619

Site: SEAD-123F

SEDA EBS Sites

Easting	Northing	Quadrature Response	In-Phase Response
740274.134	1015986.031	21.76	-0.848
740273.9684	1015990.79	21.972	-1.381
740273.8029	1015995.549	21.76	-1.155
740273.4719	1016005.067	21.942	-0.994
740273.3063	1016009.826	22.064	-0.99
740273.1408	1016014.585	22.094	-0.891
740272.9753	1016019.343	22.37	-1.032
740272.8098	1016024.103	22.766	-1.028
740272.6443	1016028.862	23.04	-0.775
740272.4787	1016033.621	23.102	-0.788
740272.3132	1016038.38	23.468	-0.758
740272.1477	1016043.139	24.994	-0.705
LINE 100			
740292.1356	1016043.834	26.092	-0.632
740292.2936	1016039.292	25.878	-0.674
740292.4516	1016034.749	25.176	-0.716
740292.6096	1016030.207	23.926	-0.826
740292.7676	1016025.663	23.406	-1.051
740292.9256	1016021.121	23.162	-1.177
740293.0836	1016016.578	22.828	-1.201
740293.2416	1016012.035	23.01	-0.968
740293.3996	1016007.492	22.614	-1.049
740293.5576	1016002.95	22.156	-1.218
740293.8736	1015993.864	22.126	-1.306
740294.0316	1015989.322	22.064	-1.19
740294.1896	1015984.779	22.094	-1.062
740294.3476	1015980.237	21.79	-1.177
740294.5056	1015975.693	21.972	-1.24
740294.6636	1015971.151	22.156	-1.367
740294.8216	1015966.608	22.338	-1.403
740294.9796	1015962.066	22.248	-0.905
740295.2956	1015952.98	22.094	-1.034
740295.4536	1015948.437	21.85	-1.326
740295.6116	1015943.895	21.576	-1.074
740295.7696	1015939.352	21.606	-1.113
740295.9276	1015934.809	21.698	-1.223
740296.0856	1015930.267	22.004	-1.109
740296.2436	1015925.724	22.43	-1.133
740296.4016	1015921.181	22.46	-1.394
740296.5596	1015916.638	22.644	-1.306
740296.7176	1015912.096	22.46	-1.08
740296.8756	1015907.553	22.094	-1.273
740297.0336	1015903.01	21.942	-1.161
740297.1916	1015898.467	22.278	-1.124
740297.3496	1015893.925	22.004	-1.1
740297.5076	1015889.383	21.76	-1.37
740297.6656	1015884.839	21.484	-1.299
740297.8236	1015880.297	21.302	-1.21
740297.9816	1015875.754	21.27	-1.139
740298.1396	1015871.212	20.904	-1.306
740298.2976	1015866.668	20.69	-1.232
740298.4556	1015862.126	20.568	-1.139
740298.6136	1015857.583	20.416	-1.128
740298.7716	1015853.041	20.478	-1.198
740298.9296	1015848.497	20.446	-1.192
740299.0876	1015843.955	20.478	-1.288
740299.2531	1015839.196	20.782	-1.045
740299.4186	1015834.437	20.782	-0.999
740299.5842	1015829.678	20.63	-1.01
740299.7497	1015824.919	20.936	-1.13
740299.9152	1015820.16	21.27	-1.148
740300.0807	1015815.401	21.24	-1.058
740300.2462	1015810.642	21.546	-1.407
740300.4118	1015805.883	21.76	-1.098
740300.5773	1015801.124	22.004	-0.852
740300.7428	1015796.365	22.37	-0.808
740300.9083	1015791.606	22.156	-0.823
740301.0739	1015786.847	22.46	-1.144
740301.2394	1015782.088	22.888	-1.069
740301.4049	1015777.328	22.766	-0.949
740301.5704	1015772.569	22.644	-0.709
740301.7359	1015767.811	22.584	-0.668
740301.9015	1015763.052	22.828	-0.962
740302.067	1015758.293	22.95	-1.508
740302.2325	1015753.534	22.98	-1.176
740302.398	1015748.775	22.98	-1.262
740302.5636	1015744.016	22.888	-1.096
740302.8946	1015734.497	22.552	-1.093
740303.0602	1015729.738	22.46	-0.977
740303.2257	1015724.979	22.278	-1.199
740303.3912	1015720.22	22.126	-1.267
740303.5567	1015715.462	21.85	-1.227
740303.7222	1015710.703	21.82	-1.08
740303.8878	1015705.944	22.126	-1.001
740304.0533	1015701.184	22.248	-1.027
740304.2188	1015696.425	22.126	-1.115
740304.3843	1015691.666	22.126	-1.115
740304.5499	1015686.907	22.034	-1.196
740304.7154	1015682.148	22.094	-1.19
740304.8809	1015677.389	22.308	-1.26
740305.0464	1015672.63	22.522	-1.174
740305.2119	1015667.872	22.644	-1.152
740305.3775	1015663.112	22.706	-1.017
740305.7085	1015653.594	22.766	-1.082
740305.874	1015648.835	22.98	-1.424
740306.0396	1015644.076	23.04	-1.379
LINE 120			
740326.0275	1015644.771	24.414	-1.28
740325.8884	1015648.769	24.354	-1.256
740325.7494	1015652.766	24.048	-1.225
740325.6104	1015656.764	23.254	-1.234
740325.4713	1015660.762	23.04	-1.212

Site: SEAD-123F

SEDA EBS Sites

Easting	Northing	Quadrature Response	In-Phase Response
740325.3323	1015664.759	23.102	-1.236
740325.1932	1015668.757	23.224	-1.109
740325.0542	1015672.754	23.132	-1.15
740324.9152	1015676.752	22.98	-1.24
740324.7761	1015680.749	22.828	-1.203
740324.6371	1015684.747	22.918	-1.196
740324.498	1015688.745	22.888	-1.19
740324.359	1015692.742	22.736	-1.073
740324.22	1015696.74	22.584	-1.005
740324.0809	1015700.737	22.522	-1.03
740323.9419	1015704.735	22.766	-1.188
740323.6638	1015712.73	22.552	-1.242
740323.5248	1015716.728	22.674	-1.236
740323.3857	1015720.725	22.46	-1.247
740323.2467	1015724.723	22.4	-1.177
740323.1076	1015728.72	22.522	-1.098
740322.9686	1015732.718	22.796	-1.166
740322.8296	1015736.716	22.858	-1.17
740322.6905	1015740.713	22.888	-1.227
740322.5515	1015744.711	22.95	-1.289
740322.4066	1015748.875	23.132	-1.302
740322.2618	1015753.039	23.224	-1.238
740322.117	1015757.203	23.162	-1.21
740321.9721	1015761.368	23.316	-1.313
740321.8273	1015765.531	23.284	-1.251
740321.6825	1015769.696	23.162	-1.251
740321.3928	1015778.024	22.338	-1.321
740321.248	1015782.188	21.912	-1.359
740321.1031	1015786.353	21.698	-1.295
740320.9583	1015790.516	21.514	-1.236
740320.8135	1015794.681	21.576	-1.168
740320.6686	1015798.845	21.484	-1.06
740320.5238	1015803.009	21.332	-1.141
740320.379	1015807.173	21.302	-1.179
740320.2341	1015811.337	21.362	-1.253
740320.0893	1015815.501	21.484	-1.282
740319.9445	1015819.665	21.546	-1.111
740319.7996	1015823.83	21.76	-1.172
740319.6548	1015827.993	21.972	-1.223
740319.51	1015832.158	22.004	-1.209
740319.3651	1015836.322	22.004	-1.214
740319.2203	1015840.486	22.004	-1.277
740319.0755	1015844.65	22.216	-1.159
740318.9244	1015848.996	22.37	-0.946
740318.7732	1015853.341	22.37	-0.975
740318.6221	1015857.685	22.156	-1.089
740318.471	1015862.031	22.064	-1.074
740318.3198	1015866.376	22.186	-1.159
740318.1687	1015870.722	22.308	-1.166
740318.0176	1015875.067	22.308	-1.24
740317.8664	1015879.412	22.094	-1.13
740317.7153	1015883.757	22.034	-1.196
740317.5642	1015888.102	22.216	-1.186
740317.4131	1015892.447	22.522	-1.139
740317.2619	1015896.793	22.614	-1.06
740317.1108	1015901.138	22.828	-0.986
740316.9597	1015905.484	22.766	-1.115
740316.8086	1015909.828	22.95	-1.135
740316.6574	1015914.173	23.01	-1.194
740316.5063	1015918.519	23.162	-1.183
740316.3551	1015922.864	23.346	-1.188
740316.204	1015927.209	23.04	-1.126
740316.0529	1015931.555	22.95	-1.223
740315.9018	1015935.899	23.01	-1.209
740315.7506	1015940.245	22.95	-1.19
740315.5995	1015944.59	22.888	-1.209
740315.4415	1015949.132	23.102	-1.243
740315.2835	1015953.675	23.194	-1.19
740315.1255	1015958.218	23.284	-1.223
740314.9675	1015962.761	23.346	-1.238
740314.8095	1015967.303	23.284	-1.146
740314.6515	1015971.846	23.162	-1.164
740314.4935	1015976.389	22.98	-1.194
740314.3355	1015980.932	23.01	-1.186
740314.1775	1015985.474	23.316	-1.12
740314.0195	1015990.017	23.162	-1.177
740313.8615	1015994.56	22.98	-1.19
740313.7035	1015999.102	23.102	-1.183
740313.5455	1016003.645	22.918	-1.273
740313.3875	1016008.187	22.766	-1.33
740313.2295	1016012.731	22.888	-1.192
740313.0715	1016017.273	23.04	-1.176
740312.9135	1016021.816	23.224	-1.159
740312.7555	1016026.358	23.346	-1.107
740312.4395	1016035.444	23.56	-1.141
740312.2815	1016039.987	23.804	-1.019
740312.1235	1016044.529	24.262	-0.863
LINE 140			
740332.1114	1016045.225	25.024	-0.784
740332.2626	1016040.879	24.78	-0.7
740332.4137	1016036.534	24.078	-0.872
740332.5648	1016032.19	23.56	-0.975
740332.7159	1016027.844	23.498	-1.076
740332.8671	1016023.499	23.102	-1.221
740333.0182	1016019.153	23.102	-1.19
740333.1693	1016014.808	23.162	-1.172
740333.3205	1016010.463	23.194	-1.212
740333.4716	1016006.118	23.102	-1.247
740333.6227	1016001.773	23.01	-1.185
740333.7738	1015997.428	23.04	-1.22
740333.925	1015993.082	23.162	-1.328
740334.0761	1015988.737	23.224	-1.271

Site: SEAD-123F

SEDA EBS Sites

Easting	Northing	Quadrature Response	In-Phase Response
740334.2273	1015984.391	23.132	-1.363
740334.3784	1015980.047	23.072	-1.363
740334.5295	1015975.702	23.376	-1.37
740334.6806	1015971.356	23.56	-1.253
740334.8318	1015967.011	23.62	-1.264
740334.9829	1015962.666	23.468	-1.376
740335.134	1015958.32	23.468	-1.398
740335.2851	1015953.976	23.406	-1.328
740335.4363	1015949.63	23.682	-1.304
740335.5874	1015945.285	23.468	-1.359
740335.7385	1015940.94	23.284	-1.284
740335.8897	1015936.594	23.406	-1.232
740336.0408	1015932.25	23.468	-1.311
740336.1919	1015927.905	23.682	-1.293
740336.3431	1015923.559	23.742	-1.352
740336.4942	1015919.214	23.652	-1.315
740336.6453	1015914.868	23.04	-1.357
740336.9476	1015906.179	22.828	-1.418
740337.0987	1015901.833	22.736	-1.302
740337.2498	1015897.488	22.706	-1.401
740337.401	1015893.143	22.766	-1.493
740337.5521	1015888.797	22.552	-1.442
740337.7032	1015884.452	22.4	-1.299
740337.8544	1015880.108	22.736	-1.273
740338.0055	1015875.762	22.766	-1.341
740338.1566	1015871.417	22.888	-1.359
740338.3078	1015867.071	22.766	-1.381
740338.4589	1015862.726	22.552	-1.352
740338.61	1015858.381	22.522	-1.249
740338.7611	1015854.036	22.126	-1.255
740338.9123	1015849.691	21.882	-1.322
740339.0634	1015845.346	21.942	-1.337
740339.2289	1015840.586	21.882	-1.212
740339.3945	1015835.827	22.004	-1.13
740339.56	1015831.068	21.882	-1.198
740339.7255	1015826.309	21.942	-1.334
740339.891	1015821.55	21.942	-1.508
740340.0565	1015816.792	22.126	-1.357
740340.2221	1015812.033	22.37	-1.142
740340.3876	1015807.274	22.614	-1.199
740340.5531	1015802.514	22.766	-1.324
740340.7186	1015797.755	22.674	-1.324
740340.8842	1015792.996	22.766	-1.282
740341.0497	1015788.237	22.796	-1.293
740341.2152	1015783.478	22.736	-1.335
740341.3807	1015778.719	22.796	-1.39
740341.5463	1015773.96	23.316	-1.387
740341.7118	1015769.202	23.284	-1.265
740341.8773	1015764.442	23.316	-1.326
740342.0428	1015759.683	23.284	-1.341
740342.2083	1015754.924	23.224	-1.431
740342.3739	1015750.165	22.98	-1.433
740342.5394	1015745.406	22.828	-1.306
740342.6905	1015741.061	22.552	-1.367
740342.8417	1015736.715	22.796	-1.363
740342.9928	1015732.371	22.674	-1.335
740343.1439	1015728.025	22.796	-1.124
740343.295	1015723.68	22.796	-1.282
740343.4462	1015719.335	22.644	-1.166
740343.5973	1015714.989	22.614	-1.282
740343.7485	1015710.644	22.918	-1.332
740343.8996	1015706.3	22.706	-1.326
740344.0507	1015701.954	22.492	-1.26
740344.2018	1015697.609	22.46	-1.221
740344.353	1015693.263	22.522	-1.286
740344.5041	1015688.918	22.674	-1.236
740344.6552	1015684.573	22.338	-1.361
740344.9575	1015675.883	22.492	-1.319
740345.1086	1015671.538	22.614	-1.387
740345.2597	1015667.192	22.766	-1.306
740345.4109	1015662.847	22.766	-1.291
740345.562	1015658.502	22.796	-1.135
740345.7131	1015654.157	22.98	-1.076
740345.8643	1015649.812	23.072	-1.107
740346.0154	1015645.466	23.072	-1.299
LINE 160			
740366.0033	1015646.162	23.864	-1.232
740365.8585	1015650.326	23.834	-1.238
740365.7137	1015654.49	23.59	-1.255
740365.5688	1015658.654	23.59	-1.242
740365.424	1015662.819	23.346	-1.225
740365.2792	1015666.982	22.95	-1.356
740364.9895	1015675.311	22.522	-1.245
740364.8447	1015679.474	22.338	-1.214
740364.6998	1015683.639	22.308	-1.291
740364.555	1015687.803	22.522	-1.321
740364.4102	1015691.967	22.584	-1.141
740364.2653	1015696.131	22.46	-1.234
740364.1205	1015700.296	22.248	-1.348
740363.9757	1015704.459	22.186	-1.425
740363.8308	1015708.624	22.156	-1.477
740363.5412	1015716.952	22.43	-1.637
740363.3963	1015721.116	22.522	-1.644
740363.2515	1015725.281	22.736	-1.517
740363.1067	1015729.444	22.766	-1.335
740362.9618	1015733.609	22.95	-1.374
740362.817	1015737.773	22.584	-1.464
740362.5273	1015746.101	22.522	-1.515
740362.3762	1015750.447	22.614	-1.449
740362.225	1015754.792	22.492	-1.361
740362.0739	1015759.136	22.278	-1.326
740361.9228	1015763.482	22.46	-1.427

Site: SEAD-123F

SEDA EBS Sites

Easting	Northing	Quadrature Response	In-Phase Response
740361.7717	1015767.827	22.492	-1.477
740361.4694	1015776.518	22.034	-1.574
740361.3183	1015780.863	21.606	-1.471
740361.1672	1015785.208	21.576	-1.433
740361.016	1015789.553	21.546	-1.442
740360.8649	1015793.898	21.332	-1.488
740360.7137	1015798.244	21.546	-1.495
740360.5626	1015802.589	21.606	-1.534
740360.1092	1015815.624	21.606	-1.565
740359.9581	1015819.969	21.576	-1.537
740359.807	1015824.315	21.76	-1.447
740359.6558	1015828.66	21.85	-1.585
740359.5047	1015833.006	22.004	-1.576
740359.3536	1015837.35	22.004	-1.479
740359.0513	1015846.041	21.942	-1.482
740358.9002	1015850.386	22.4	-1.622
740358.749	1015854.731	22.644	-1.519
740358.5979	1015859.076	22.736	-1.468
740358.4468	1015863.421	22.584	-1.447
740358.2957	1015867.767	22.37	-1.526
740358.1445	1015872.112	22.4	-1.525
740357.9934	1015876.457	22.644	-1.578
740357.8423	1015880.803	22.552	-1.526
740357.6912	1015885.147	22.552	-1.552
740357.54	1015889.492	22.614	-1.515
740357.3889	1015893.838	22.644	-1.504
740357.2378	1015898.183	22.614	-1.631
740357.0866	1015902.529	22.522	-1.732
740356.9355	1015906.874	22.492	-2.127
740356.7844	1015911.218	22.584	-1.719
740356.6332	1015915.564	22.674	-1.565
740356.4821	1015919.909	22.736	-1.69
740356.331	1015924.254	22.828	-1.673
740356.1798	1015928.6	22.736	-1.495
740355.8776	1015937.29	22.492	-1.572
740355.7265	1015941.635	22.278	-1.526
740355.5753	1015945.98	22.584	-1.598
740355.4242	1015950.326	22.918	-1.558
740355.2731	1015954.671	22.828	-1.561
740355.1219	1015959.015	22.706	-1.565
740354.9708	1015963.361	22.736	-1.598
740354.8197	1015967.706	22.4	-1.532
740354.6685	1015972.052	22.338	-1.572
740354.5174	1015976.397	22.278	-1.591
740354.3663	1015980.742	22.37	-1.534
740354.2152	1015985.087	22.644	-1.521
740354.064	1015989.432	22.46	-1.605
740353.6106	1016002.468	22.674	-1.486
740353.4595	1016006.814	22.736	-1.482
740353.3084	1016011.158	22.828	-1.517
740353.1572	1016015.503	22.796	-1.42
740353.0061	1016019.849	22.796	-1.344
740352.855	1016024.194	22.706	-1.501
740352.7038	1016028.539	22.858	-1.471
740352.5527	1016032.885	22.828	-1.381
740352.4016	1016037.229	22.98	-1.328
740352.2505	1016041.574	22.918	-1.416
740352.0993	1016045.92	23.498	-1.3
LINE 180			
740372.0872	1016046.615	25.208	-1.229
740372.2384	1016042.27	24.872	-1.258
740372.3895	1016037.924	24.108	-1.245
740372.5406	1016033.58	23.62	-1.405
740372.6918	1016029.235	23.56	-1.447
740372.8429	1016024.889	23.254	-1.387
740372.994	1016020.544	22.828	-1.396
740373.1452	1016016.198	22.552	-1.462
740373.2963	1016011.853	22.37	-1.556
740373.4474	1016007.509	22.126	-1.664
740373.5985	1016003.163	22.308	-1.591
740373.9008	1015994.473	22.248	-1.519
740374.0519	1015990.127	22.43	-1.442
740374.2031	1015985.782	22.46	-1.493
740374.3542	1015981.437	22.43	-1.653
740374.5053	1015977.092	22.37	-1.624
740374.6565	1015972.747	22.278	-1.528
740374.8076	1015968.401	22.492	-1.556
740374.9587	1015964.056	22.43	-1.471
740375.1099	1015959.711	22.584	-1.615
740375.261	1015955.366	22.796	-1.701
740375.4121	1015951.021	22.644	-1.694
740375.5632	1015946.675	22.614	-1.741
740375.7081	1015942.511	22.552	-1.701
740375.8529	1015938.348	22.522	-1.697
740375.9977	1015934.183	22.278	-1.692
740376.1426	1015930.019	22.248	-1.688
740376.2874	1015925.855	22.46	-1.714
740376.4322	1015921.691	22.338	-1.683
740376.5771	1015917.526	22.46	-1.548
740376.7219	1015913.363	22.248	-1.635
740376.8667	1015909.198	22.216	-1.528
740377.0116	1015905.034	22.186	-1.488
740377.1564	1015900.87	22.126	-1.582
740377.3012	1015896.706	22.308	-1.635
740377.4461	1015892.541	22.522	-1.644
740377.5909	1015888.378	22.552	-1.62
740377.7357	1015884.213	22.156	-1.73
740377.8806	1015880.049	22.216	-1.716
740378.0254	1015875.885	22.46	-1.679
740378.1702	1015871.721	22.584	-1.683
740378.3151	1015867.556	22.492	-1.633
740378.4599	1015863.393	22.644	-1.681

Site: SEAD-123F

SEDA EBS Sites

Easting	Northing	Quadrature Response	In-Phase Response
740378.6047	1015859.228	22.522	-1.712
740378.7496	1015855.064	22.216	-1.64
740379.0392	1015846.736	22.004	-1.602
740379.1904	1015842.391	22.248	-1.618
740379.3415	1015838.045	22.338	-1.616
740379.4926	1015833.701	22.492	-1.776
740379.6437	1015829.355	22.156	-1.675
740379.7949	1015825.01	22.278	-1.648
740379.946	1015820.665	22.064	-1.666
740380.0972	1015816.319	22.004	-1.596
740380.2483	1015811.974	22.216	-1.554
740380.3994	1015807.63	22.216	-1.62
740380.5505	1015803.284	22.186	-1.622
740380.7017	1015798.939	22.216	-1.644
740380.8528	1015794.593	22.308	-1.624
740381.0039	1015790.248	22.46	-1.583
740381.1551	1015785.903	22.614	-1.931
740381.3062	1015781.558	22.614	-1.907
740381.4573	1015777.213	22.46	-1.69
740381.6084	1015772.868	22.552	-1.629
740381.7596	1015768.522	22.706	-1.708
740381.9107	1015764.177	23.01	-1.629
740382.0619	1015759.831	23.376	-1.596
740382.213	1015755.487	23.162	-1.668
740382.3641	1015751.142	23.102	-1.673
740382.5152	1015746.796	23.132	-1.657
740382.6732	1015742.254	22.95	-1.56
740382.8312	1015737.711	22.736	-1.554
740382.9892	1015733.169	22.888	-1.679
740383.1472	1015728.625	22.796	-1.646
740383.3052	1015724.083	22.706	-1.694
740383.4632	1015719.54	22.552	-1.653
740383.6212	1015714.998	22.584	-1.705
740383.7792	1015710.454	22.308	-1.657
740383.9372	1015705.912	22.004	-1.547
740384.0952	1015701.369	22.156	-1.572
740384.2532	1015696.827	22.278	-1.572
740384.4112	1015692.284	21.912	-1.738
740384.5692	1015687.741	21.576	-1.683
740384.7272	1015683.199	21.668	-1.552
740384.8852	1015678.656	21.85	-1.436
740385.0432	1015674.113	22.064	-1.512
740385.2012	1015669.57	22.216	-1.534
740385.3592	1015665.028	22.308	-1.519
740385.5172	1015660.485	22.4	-1.563
740385.6752	1015655.942	22.216	-1.451
740385.8332	1015651.399	22.064	-1.464
740385.9912	1015646.857	22.46	-1.534
LINE 200			
740405.9791	1015647.552	22.796	-1.532
740405.8401	1015651.55	22.828	-1.526
740405.7011	1015655.547	22.674	-1.582
740405.562	1015659.545	22.706	-1.501
740405.423	1015663.542	22.552	-1.398
740405.2839	1015667.54	22.186	-1.368
740405.1449	1015671.537	21.79	-1.486
740405.0059	1015675.535	21.882	-1.536
740404.8668	1015679.533	22.094	-1.447
740404.7278	1015683.53	21.942	-1.442
740404.5887	1015687.528	21.942	-1.532
740404.4497	1015691.525	21.972	-1.526
740404.3107	1015695.523	21.728	-1.503
740404.1716	1015699.521	21.79	-1.541
740404.0326	1015703.518	21.76	-1.488
740403.7545	1015711.513	21.912	-1.602
740403.6155	1015715.511	21.912	-1.651
740403.4764	1015719.508	21.882	-1.585
740403.3374	1015723.506	21.912	-1.639
740403.1983	1015727.504	22.004	-1.692
740403.0593	1015731.501	21.972	-1.64
740402.9203	1015735.499	22.064	-1.523
740402.7812	1015739.496	22.094	-1.582
740402.6422	1015743.494	21.942	-1.627
740402.5031	1015747.492	22.064	-1.626
740402.3583	1015751.656	22.338	-1.675
740402.2135	1015755.82	22.552	-1.521
740402.0686	1015759.984	22.584	-1.574
740401.9238	1015764.148	22.644	-1.515
740401.6341	1015772.476	22.156	-1.642
740401.4893	1015776.641	21.882	-1.6
740401.3445	1015780.804	22.156	-1.537
740401.1996	1015784.969	22.46	-1.616
740401.0548	1015789.133	22.43	-1.743
740400.91	1015793.297	22.308	-1.642
740400.7651	1015797.461	21.85	-1.723
740400.6203	1015801.626	22.034	-1.729
740400.4755	1015805.789	22.278	-1.78
740400.3306	1015809.954	22.308	-1.721
740400.1858	1015814.118	22.004	-1.585
740400.041	1015818.282	21.79	-1.547
740399.8961	1015822.446	21.698	-1.605

Site: SEAD-123F

SEDA EBS Sites

Easting	Northing	Quadrature Response	In-Phase Response
740399.7513	1015826.611	21.698	-1.646
740399.4616	1015834.939	21.728	-1.732
740399.3168	1015839.103	21.606	-1.591
740399.172	1015843.267	21.514	-1.593
740399.0271	1015847.431	21.636	-1.596
740398.876	1015851.777	21.79	-1.558
740398.7249	1015856.122	21.728	-1.583
740398.5738	1015860.466	21.882	-1.681
740398.4226	1015864.812	21.942	-1.604
740398.2715	1015869.157	21.76	-1.536
740398.1204	1015873.502	21.728	-1.539
740397.9692	1015877.848	21.698	-1.46
740397.8181	1015882.193	21.576	-1.547
740397.667	1015886.537	21.606	-1.633
740397.2136	1015899.574	21.82	-1.604
740397.0624	1015903.919	21.942	-1.683
740396.9113	1015908.264	21.85	-1.734
740396.7602	1015912.609	21.302	-1.556
740396.6091	1015916.954	21.302	-1.481
740396.4579	1015921.299	21.392	-1.637
740396.3068	1015925.645	21.454	-1.653
740396.1557	1015929.99	21.606	-1.462
740396.0045	1015934.336	21.79	-1.56
740395.8534	1015938.68	21.82	-1.582
740395.7023	1015943.025	21.79	-1.57
740395.5512	1015947.371	21.668	-1.556
740395.4063	1015951.535	21.636	-1.605
740395.2615	1015955.699	21.76	-1.526
740394.9718	1015964.028	21.85	-1.576
740394.827	1015968.191	21.972	-1.58
740394.6822	1015972.356	21.942	-1.526
740394.5373	1015976.52	22.034	-1.611
740394.3925	1015980.684	21.942	-1.653
740394.2477	1015984.848	21.79	-1.539
740394.1028	1015989.013	21.76	-1.547
740393.958	1015993.176	21.698	-1.598
740393.6683	1016001.505	21.698	-1.648
740393.5235	1016005.668	21.85	-1.589
740393.3787	1016009.833	21.912	-1.582
740393.2338	1016013.997	22.034	-1.532
740393.089	1016018.161	22.584	-1.602
740392.9442	1016022.325	22.766	-1.585
740392.7993	1016026.49	22.614	-1.462
740392.6545	1016030.653	22.552	-1.491
740392.5097	1016034.818	22.614	-1.396
740392.3648	1016038.982	23.072	-1.188
740392.22	1016043.146	23.468	-1.12

APPENDIX E. Chemical Analyses Data Qualifiers and QC Samples

Laboratory Qualifiers for Chemical Data

Organics Qualifiers

U	Indicates compound was analyzed for but not detected above the reporting limits
J	Indicates an estimated value. This flag is used when the result is less than he reporting limit, but greater than or equal to one half the reporting limit.
B	Compound occurred in the laboratory blank
E	This flag identifies compounds whose concentrations exceed the upper level of the calibration range of the instrument for that specific analysis. If one or more compounds have a response greater than the upper level of calibration range, the extract shall be diluted and re-analyzed.
Y	Laboratory-defined flag. Qantitation of benzo(b/k)fluoranthene is based on the combined instrument response of the unresolved isomer peaks. The combined response has been quantified as benzo(b)fluoranthene.
Z	The reported result is based on the combined response from coeluting compounds.

Metals Qualifiers

U	Entered if the analyte was analyzed for but not detected.
N	Matrix spike sample recovery not within control limits.
B	Entered if the reported value is less than the Contract Required Detection Limit (CRDL), but greater than the Instrument Detection Limit (IDL). -
E(ICP)	The reported value is estimated because of the presence of interference.
*	Duplicate analysis not within the control limits.

SENECA
EBS QC SAMPLES
VOLATILES

SITE:		EBS-SITE		EBS-SITE		SEAD-123B	SEAD-123D
LOC ID:		SITE		SITE		SS123B-1	TP123D-1
SAMP ID:		EB003		EB019		EB017	EB002
QC CODE:		TB		TB		RB	RB
SAMP. DETH TOP:		0		0		0	0
SAMP. DEPTH BOT:		0		0		0	0
MATRIX:		GROUNDW		GROUNDW		GROUNDW	GROUNDW
SAMP. DATE:		2-Mar-98		2-Mar-98		9-Mar-98	5-Mar-98
PARAMETER	UNIT	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q
1,1,1-Trichloroethane	UG/L	10	U	10	U	10	U	10	U
1,1,2,2-Tetrachloroethane	UG/L	10	U	10	U	10	U	10	U
1,1,2-Trichloroethane	UG/L	10	U	10	U	10	U	10	U
1,1-Dichloroethane	UG/L	10	U	10	U	10	U	10	U
1,1-Dichloroethene	UG/L	10	U	10	U	10	U	10	U
1,2-Dichloroethane	UG/L	10	U	10	U	10	U	10	U
1,2-Dichloroethene (total)	UG/L	10	U	10	U	10	U	10	U
1,2-Dichloropropane	UG/L	10	U	10	U	10	U	10	U
Acetone	UG/L	10	U	10	U	10	U	10	U
Benzene	UG/L	10	U	10	U	10	U	10	U
Bromodichloromethane	UG/L	10	U	10	U	10	U	10	U
Bromoform	UG/L	10	U	10	U	10	U	10	U
Carbon disulfide	UG/L	10	U	10	U	10	U	10	U
Carbon tetrachloride	UG/L	10	U	10	U	10	U	10	U
Chlorobenzene	UG/L	10	U	10	U	10	U	10	U
Chlorodibromomethane	UG/L	10	U	10	U	10	U	10	U
Chloroethane	UG/L	10	U	10	U	10	U	10	U
Chloroform	UG/L	10	U	10	U	10	U	10	U
Cis-1,3-Dichloropropene	UG/L	10	U	10	U	10	U	10	U
Ethyl benzene	UG/L	10	U	10	U	10	U	10	U
Methyl bromide	UG/L	10	U	10	U	10	U	10	U
Methyl butyl ketone	UG/L	10	U	10	U	10	U	10	U
Methyl chloride	UG/L	10	U	10	U	10	U	10	U
Methyl ethyl ketone	UG/L	10	U	10	U	10	U	10	U
Methyl isobutyl ketone	UG/L	10	U	10	U	10	U	10	U
Methylene chloride	UG/L	10	U	10	U	10	U	10	U
Styrene	UG/L	10	U	10	U	10	U	10	U
Tetrachloroethene	UG/L	10	U	10	U	10	U	10	U
Toluene	UG/L	10	U	10	U	10	U	10	U
Total Xylenes	UG/L	10	U	10	U	10	U	10	U
Trans-1,3-Dichloropropene	UG/L	10	U	10	U	10	U	10	U
Trichloroethene	UG/L	10	U	10	U	10	U	10	U
Vinyl chloride	UG/L	10	U	10	U	10	U	10	U

SENECA
EBS QC SAMPLES
SEMIVOLATILES

SITE				EBS-SITE		SEAD-122E		SEAD-122E		SEAD-123B		SEAD-123D	
DESCRIPTION						Deicing Planes		Deicing Planes		Bldg 716 and 717 Petroleum Releases		Area West of Bldg 715	
LOC ID				SITE		MW122E-1		SB122E-1		SS123B-1		TP123D-1	
SAMP ID				EB006		EB010		EB004		EB017		EB002	
QC CODE				TB		RB		RB		RB		RB	
SAMP DETH TOP				0		0		0		0		0	
SAMP DEPTH BOT				0		0		0		0		0	
MATRIX				GROUND		GROUND		GROUND		GROUND		GROUNDWA	
SAMP DATE				2-Mar-98		6-Mar-98		6-Mar-98		9-Mar-98		5-Mar-98	
PARAMETER	UNIT	NYS CLASS GA	DRINKING WATER	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q
1,2,4-Trichlorobenzene	UG/L	5	194 60			1	U			1	U	1	U
1,2-Dichlorobenzene	UG/L	4 7	268 16			1	U			1	U	1	U
1,3-Dichlorobenzene	UG/L	5	3248 50			1	U			1	U	1	U
1,4-Dichlorobenzene	UG/L	4 7	2 80			1	U			1	U	1	U
2,4,5-Trichlorophenol	UG/L		3650 00			2 5	U			2 6	U	2 6	U
2,4,6-Trichlorophenol	UG/L		0 97			1	U			1	U	1	U
2,4-Dichlorophenol	UG/L		109 50			1	U			1	U	1	U
2,4-Dimethylphenol	UG/L	5	730 00			1	U			1	U	1	U
2,4-Dinitrophenol	UG/L		73 00			2 5	U			2 6	U	2 6	U
2,4-Dinitrotoluene	UG/L	5	73 00			1	U			1	U	1	U
2,6-Dinitrotoluene	UG/L	5	36 50			1	U			1	U	1	U
2-Chloronaphthalene	UG/L					1	U			1	U	1	U
2-Chlorophenol	UG/L		182 50			1	U			1	U	1	U
2-Methylnaphthalene	UG/L					1	U			1	U	1	U
2-Methylphenol	UG/L	5				1	U			1	U	1	U
2-Nitroaniline	UG/L		0 35			2 5	U			2 6	U	2 6	U
2-Nitrophenol	UG/L					1	U			1	U	1	U
3,3'-Dichlorobenzidine	UG/L					1	U			1	U	1	U
3-Nitroaniline	UG/L		109 50			2 5	U			2 6	U	2 6	U
4,6-Dinitro-2-methylphenol	UG/L	5				2 5	U			2 6	U	2 6	U
4-Bromophenyl phenyl ether	UG/L		2117 00			1	U			1	U	1	U
4-Chloro-3-methylphenol	UG/L					1	U			1	U	1	U
4-Chloroaniline	UG/L	5	146 00			1	U			1	U	1	U
4-Chlorophenyl phenyl ether	UG/L					1	U			1	U	1	U
4-Methylphenol	UG/L	5				1	U			1	U	1	U
4-Nitroaniline	UG/L	5	109 50			2 5	U			2 6	U	2 6	U
4-Nitrophenol	UG/L		2190 00			2 5	U			2 6	U	2 6	U
Acenaphthene	UG/L					1	U			1	U	1	U
Acenaphthylene	UG/L					1	U			1	U	1	U
Anthracene	UG/L		10950 00			1	U			1	U	1	U
Benzo[a]anthracene	UG/L					1	U			1	U	1	U
Benzo[a]pyrene	UG/L	10	0 00			1	U			1	U	1	U
Benzo[b]fluoranthene	UG/L		0 02			1	U			1	U	1	U
Benzo[ghi]perylene	UG/L					1	U			1	U	1	U
Benzo[k]fluoranthene	UG/L		0 17			1	U			1	U	1	U
Bis(2-Chloroethoxy)methane	UG/L					1	U			1	U	1	U
Bis(2-Chloroethyl)ether	UG/L		0 01			1	U			1	U	1	U
Bis(2-Chloroisopropyl)ether	UG/L		0 26			1	U			1	U	1	U
Bis(2-Ethylhexyl)phthalate	UG/L	50				1	U			0 31	J	1	U
Butylbenzylphthalate	UG/L		7300 00			1	U			0 13	JB	1	U
Carbazole	UG/L		3 36			1	U			1	U	1	U
Chrysene	UG/L		1 68			1	U			1	U	1	U
Di-n-butylphthalate	UG/L	50				1	U			0 068	J	1	U
Di-n-octylphthalate	UG/L		730 00			1	U			1	U	1	U
Dibenz[a,h]anthracene	UG/L					1	U			1	U	1	U
Dibenzofuran	UG/L		146 00			1	U			1	U	1	U
Diethyl phthalate	UG/L		29200 00			1	U			0 28	J	1	U
Dimethylphthalate	UG/L		365000 00			1	U			1	U	1	U
Ethylene Glycol	MG/L		73000 00	50	U	50	U	50	U				
Fluoranthene	UG/L		1460 00			1	U			1	U	1	U
Fluorene	UG/L		1460 00			1	U			1	U	1	U
Hexachlorobenzene	UG/L	0 35	0 01			1	U			1	U	1	U
Hexachlorobutadiene	UG/L		0 14			1	U			1	U	1	U
Hexachlorocyclopentadiene	UG/L		0 15			1	U			1	U	1	U
Hexachloroethane	UG/L		0 75			1	U			1	U	1	U
Indeno[1,2,3-cd]pyrene	UG/L		0 02			1	U			1	U	1	U
Isophorone	UG/L					1	U			1	U	1	U
N-Nitrosodiphenylamine	UG/L		13 72			1	U			1	U	1	U
N-Nitrosodipropylamine	UG/L					1	U			1	U	1	U
Naphthalene	UG/L		1460 00			1	U			1	U	1	U
Nitrobenzene	UG/L		3 39			1	U			1	U	1	U
Pentachlorophenol	UG/L	1	0 56			2 5	U			2 6	U	2 6	U
Phenanthrene	UG/L					1	U			1	U	1	U
Phenol	UG/L	1	21900 00			1	U			1	U	1	U
Propylene Glycol	MG/L			50	U	50	U	50	U				
Pyrene	UG/L		1095 00			1	U			1	U	1	U

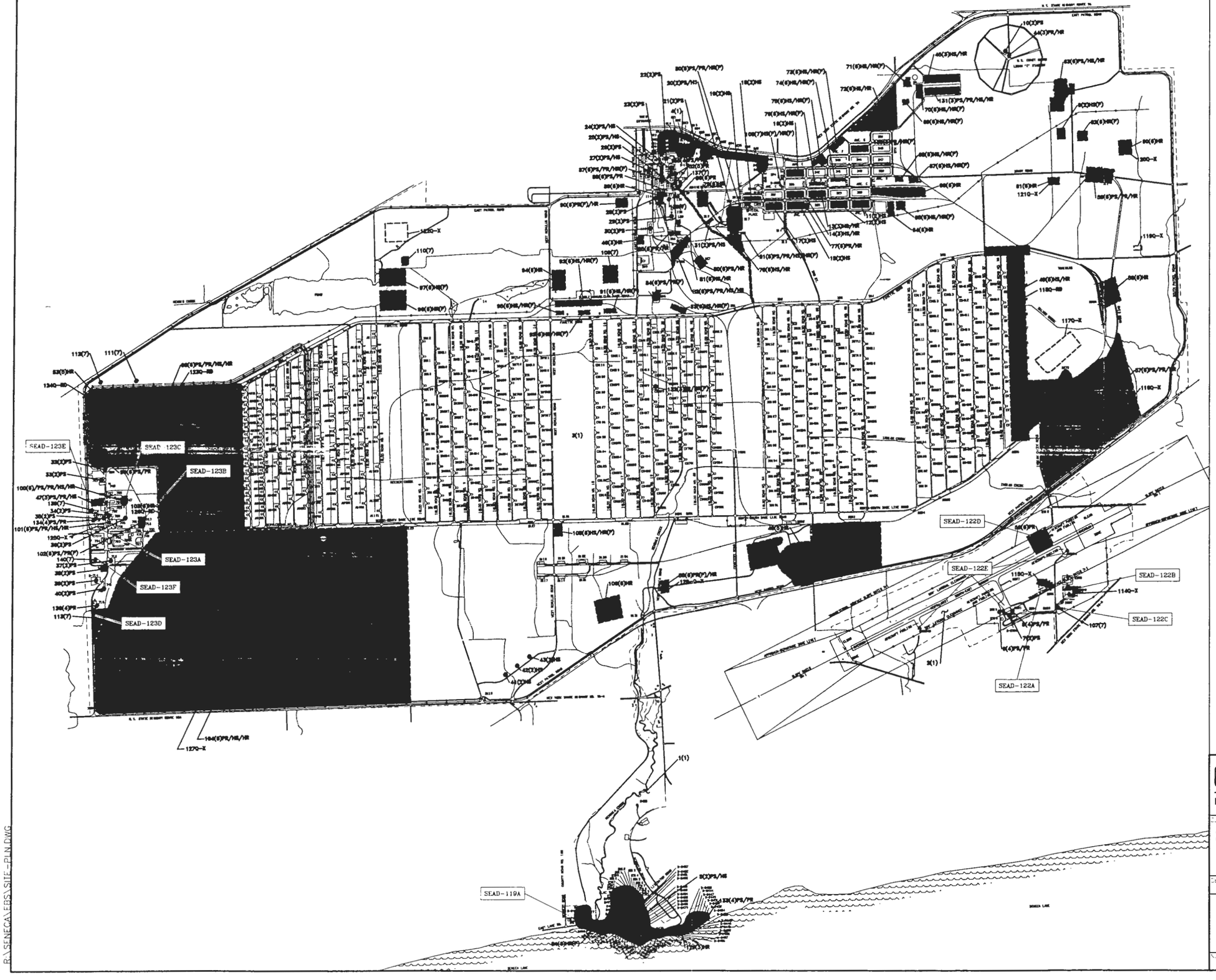
SENECA
EBS QC SAMPLES
METALS

SITE:		SEAD-123B		SEAD-123D	
LOC ID:		SS123B-1		TP123D-1	
SAMP ID:		EB018		EB002	
QC CODE:		RB		RB	
SAMP. DETH TOP:		0		0	
SAMP. DEPTH BOT:		0		0	
MATRIX:		GROUNDW		GROUNDW	
SAMP. DATE:		9-Mar-98		5-Mar-98	
PARAMETER	UNIT	VALUE	Q	VALUE	Q
Aluminum	UG/L	18.5	B	15.1	B
Antimony	UG/L	3.5	U	3.5	U
Arsenic	UG/L	3.6	U	3.6	U
Barium	UG/L	4.2	U	4.2	U
Beryllium	UG/L	0.1	U	0.1	U
Cadmium	UG/L	0.3	U	0.3	U
Calcium	UG/L	106	U	106	U
Chromium	UG/L	1.1	U	1.1	U
Cobalt	UG/L	1.7	U	1.7	U
Copper	UG/L	2.3	U	2.3	U
Cyanide	UG/L	5	U	5	U
Iron	UG/L	34.7	B	25.8	B
Lead	UG/L	2.4	B	1.8	U
Magnesium	UG/L	127	U	127	U
Manganese	UG/L	0.48	B	0.42	B
Mercury	UG/L	0.1	U	0.1	U
Nickel	UG/L	2.1	U	2.1	U
Potassium	UG/L	220	U	354	B
Selenium	UG/L	4.7	U	4.7	U
Silver	UG/L	2.1	U	2.1	U
Sodium	UG/L	607	U	607	U
Thallium	UG/L	6.3	U	6.3	U
Vanadium	UG/L	1.6	U	1.6	U
Zinc	UG/L	4.6	B	14.2	B

SENECA
EBS QC SAMPLES
PESTICIDES

SITE:	SEAD-123D
LOC ID:	TP123D-1
SAMP ID:	EB002
QC CODE:	RB
SAMP. DETH TOP:	0
SAMP. DEPTH BOT:	0
MATRIX:	GROUNDW
SAMP. DATE:	5-Mar-98

PARAMETER	UNIT	VALUE	Q
4,4`-DDD	UG/L	0.11	U
4,4`-DDE	UG/L	0.11	U
4,4`-DDT	UG/L	0.11	U
Aldrin	UG/L	0.053	U
Alpha-BHC	UG/L	0.053	U
Alpha-Chlordane	UG/L	0.053	U
Aroclor-1016	UG/L	1.1	U
Aroclor-1221	UG/L	2.1	U
Aroclor-1232	UG/L	1.1	U
Aroclor-1242	UG/L	1.1	U
Aroclor-1248	UG/L	1.1	U
Aroclor-1254	UG/L	1.1	U
Aroclor-1260	UG/L	1.1	U
Beta-BHC	UG/L	0.053	U
Delta-BHC	UG/L	0.053	U
Dieldrin	UG/L	0.11	U
Endosulfan I	UG/L	0.053	U
Endosulfan II	UG/L	0.11	U
Endosulfan sulfate	UG/L	0.11	U
Endrin	UG/L	0.11	U
Endrin aldehyde	UG/L	0.11	U
Endrin ketone	UG/L	0.11	U
Gamma-BHC/Lindane	UG/L	0.053	U
Gamma-Chlordane	UG/L	0.053	U
Heptachlor	UG/L	0.053	U
Heptachlor epoxide	UG/L	0.053	U
Methoxychlor	UG/L	0.53	U
Toxaphene	UG/L	5.3	U



N

LEGEND:

SEAD- 122A NON EVALUATED EBS SITE

BRAC PARCEL LABEL DEFINITIONS

8(2)PS
- PARCEL NUMBER
- CATEGORY NUMBER
- CONTAMINATION DESCRIPTION
  - PS PETROLEUM STORAGE
  - PR PETROLEUM RELEASE OR DISPOSAL
  - HS HAZARDOUS SUBSTANCE STORAGE
  - HR HAZARDOUS SUBSTANCE RELEASE OR DISPOSAL
  - (P) POSSIBLE (UNVERIFIED)

NON-CERCLA ISSUE (QUALIFIED) LABEL DEFINITIONS

8-119Q-A(P)
- PARCEL NUMBER
- FACILITY NUMBER (IF APPLICABLE)
- QUALIFIED
- QUALIFIERS
  - A ASBESTOS-CONTAINING MATERIAL
  - L LEAD-BASED PAINT
  - P PCB
  - R RADON
  - X UXO AND/OR ORDNANCE FRAGMENTS
  - RD RADIONUCLIDES
  - (P) POSSIBLE (UNVERIFIED)

-2800 0 2800

SCALE: 1" = 2800'

PARSONS

PARSONS ENGINEERING SCIENCE, INC.

SENECA ARMY DEPOT ACTIVITY
ENVIROMENTAL BASELINE SURVEY
INVESTIGATION OF NON-EVALUATED SITES

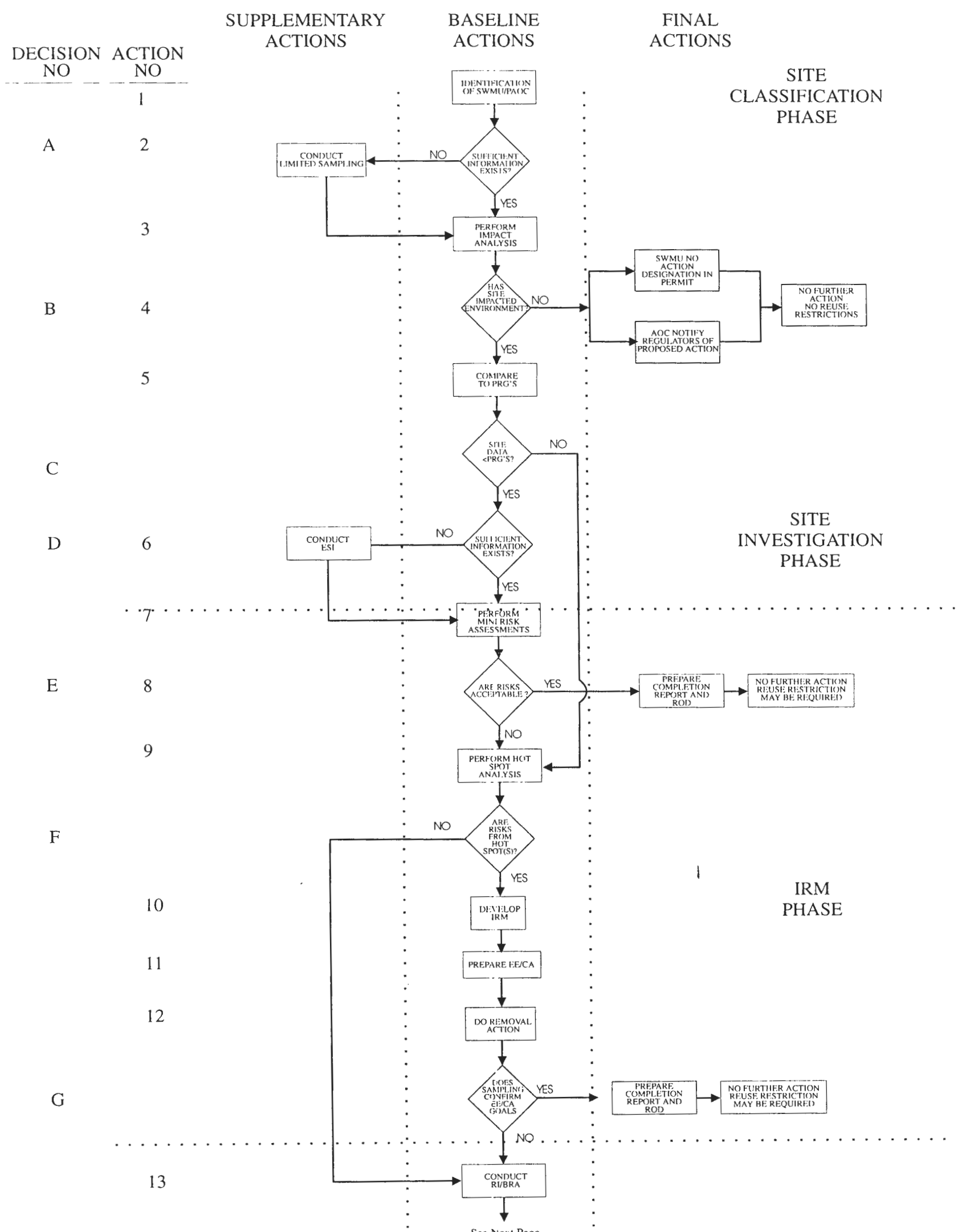
ENVIRONMENTAL ENGINEERING

FIGURE 1-1
LOCATION OF PRIORITY
NON-EVALUATED EBS SITES

1" = 2800' | 04/10/98 | A

B:\SENECA\EBS\SITE-PLN.DWG

SENECA ARMY DEPOT ACTIVITY
Decision Criteria Flowchart



See Next Page

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CLIENT/PROJECT TITLE

SENECA ARMY DEPOT ACTIVITY

DEPT. ENVIRONMENTAL ENGINEERING | DWG NO

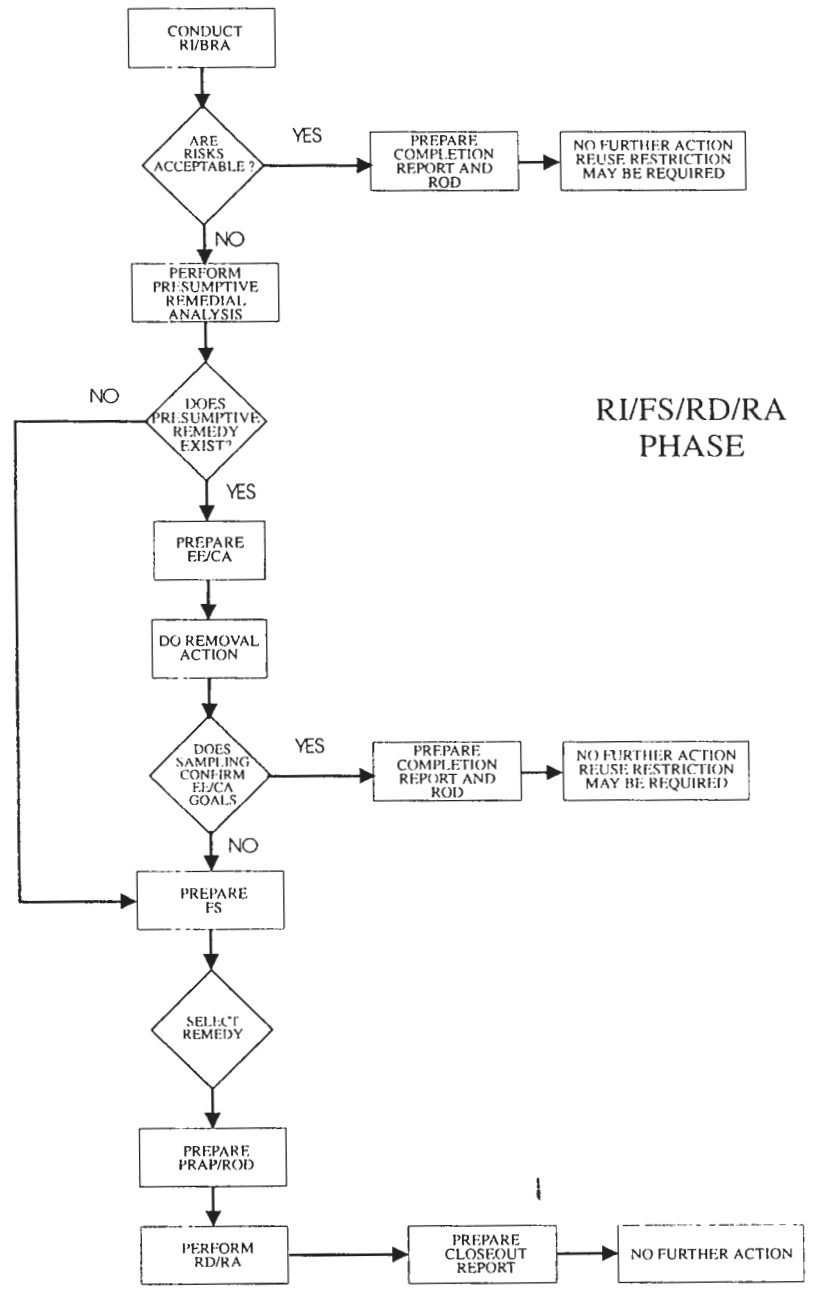
FIGURE 1-2

Decision Criteria
Remediation Flowchart

SCALE N/A | DATE MARCH 1998

SENECA ARMY DEPOT ACTIVITY
Decision Criteria Flowchart

DECISION NO	ACTION NO	SUPPLEMENTARY ACTIONS	BASELINE ACTIONS	FINAL ACTIONS
	13			
H				
	14			
I				
	15			
	16			
J				
	17			
K				
	18			
	19			



RI/FS/RD/RA PHASE

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CLIENT/PROJECT TITLE

SENECA ARMY DEPOT ACTIVITY

DEPT ENVIRONMENTAL ENGINEERING | DWG NO

FIGURE 1-2

Decision Criteria
Remediation Flowchart

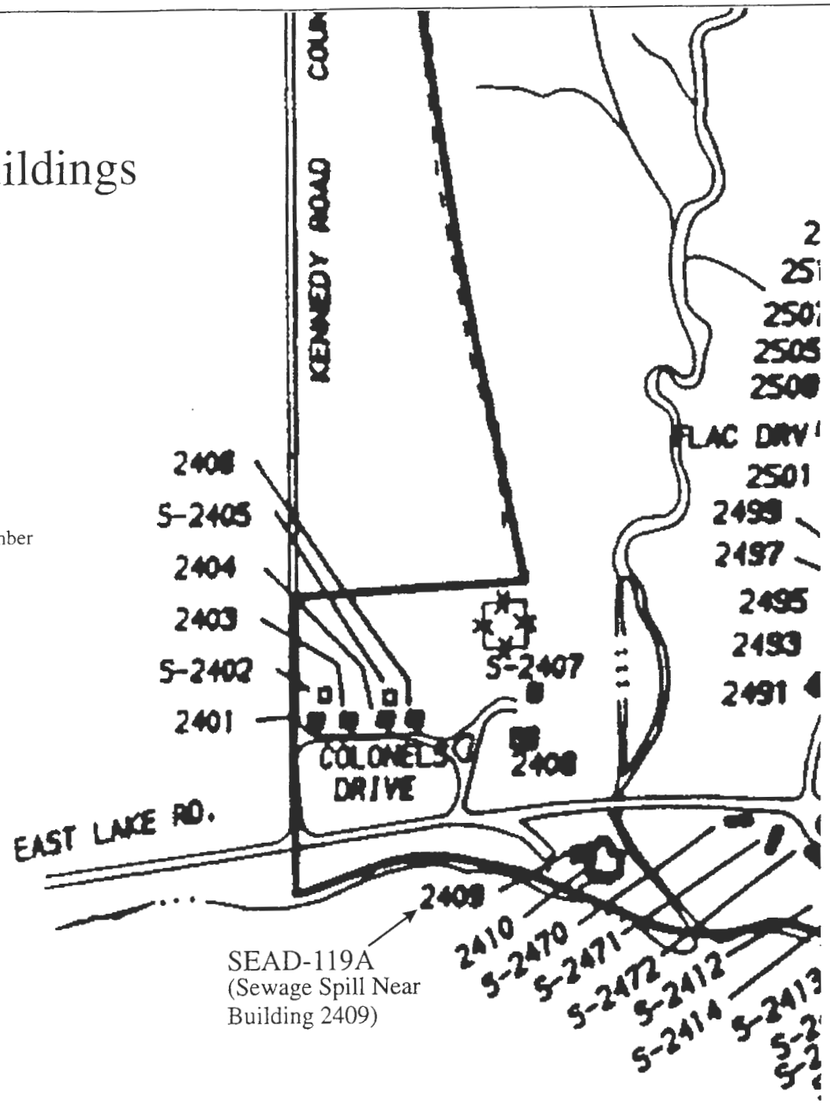
Page 2 of 2

SCALE N/A | DATE MARCH 1998

Buildings

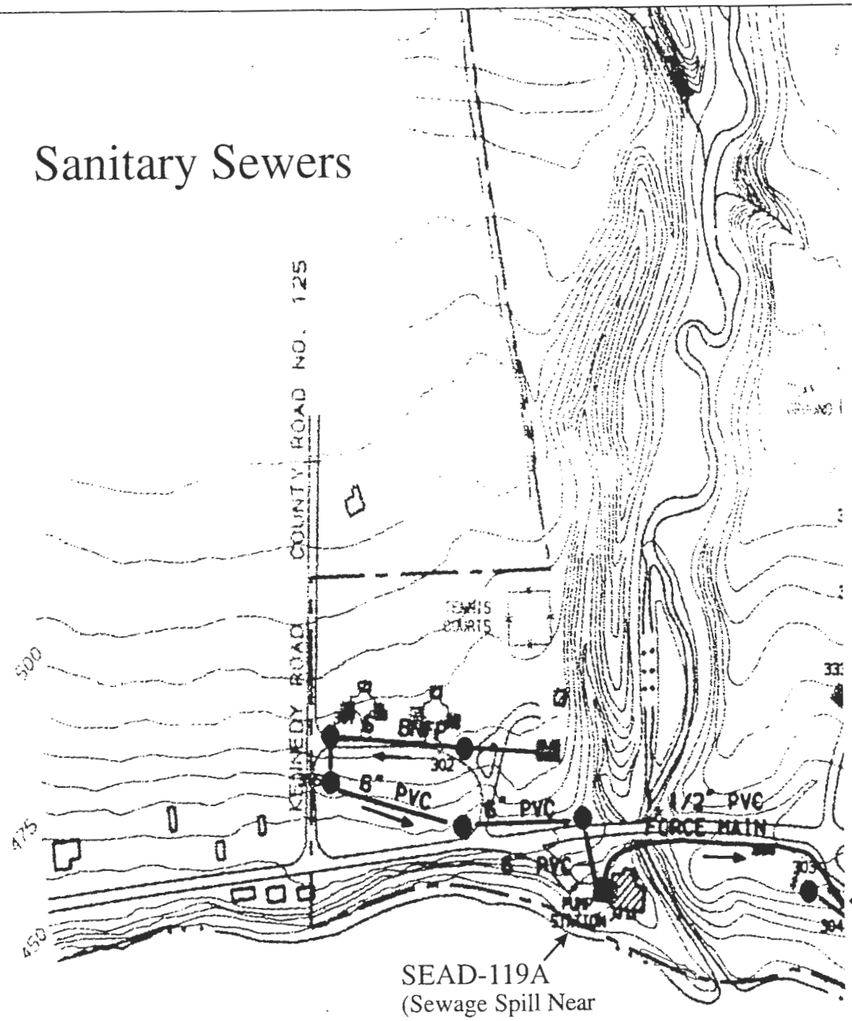
Legend:

2406 - building number



Seneca Lake

Sanitary Sewers



Legend:

- sanitary sewer manhole
- PVC - polyvinyl chloride
- BNFP - bitumous non-perforated fiber pipe
- → direction of flow in sanitary sewer

Eventually Discharges to Seneca County District No. 1 Treatment Plant

Seneca Lake

For both maps:

North

1000 ft (approx.)

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CLIENT/PROJECT TITLE

SENECA ARMY DEPOT ACTIVITY
Environmental Baseline Survey
Priority Non-Evaluated Sites

DEPT: ENVIRONMENTAL ENGINEERING | DWG NO: 733193-01001

FIGURE 2-1

Buildings and Sanitary Sewers
Near SEAD-119A

SCALE: As Indicated on Maps | DATE: April 1998

H:\eng\seneca\ebs\reports\priorits\figs\sead119.CDR

SITE 122A

SKEET/TRAP RANGE

SS122A-5
SS122A-4
SS122A-3
SS122A-2
SS122A-1

SS122B
SS122B-2
SS122B-1

CONCRETE PLATFORM SHOOTING STATIONS

RANGE 1

CONEX

AIRCRAFT SURFACE SLOPE

TRANSITIONAL SURFACE

115Q-X

2307

2301

2302

2303

2304

2305

2311

LEGEND:

BUILDINGS

SURFACE SOIL SAMPLE

SS122A-1

CHAIN LINK FENCE

BRAC PARCEL LABEL DEFINITIONS

8(2)PS

- PARCEL NUMBER
- CATEGORY NUMBER
- CONTAMINATION DESCRIPTION
  - PS PETROLEUM STORAGE
  - PR PETROLEUM RELEASE OR DISPOSAL
  - HS HAZARDOUS SUBSTANCE STORAGE
  - HR HAZARDOUS SUBSTANCE RELEASE OR DISPOSAL
  - (P) POSSIBLE (UNVERIFIED)

NON-CERCLA ISSUE (QUALIFIED) LABEL DEFINITIONS

8-19Q-A(P)

- PARCEL NUMBER
- FACILITY NUMBER (IF APPLICABLE)
- QUALIFIED
- QUALIFIERS
  - A ASBESTOS-CONTAINING MATERIAL
  - L LEAD-BASED PAINT
  - P PCB
  - R RADON
  - X UXO AND/OR ORDNANCE FRAGMENTS
  - RD RADIONUCLIDES
  - (P) POSSIBLE (UNVERIFIED)

-150 0 150

SCALE: 1" = 150'

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CLIENT/PROJECT TITLE

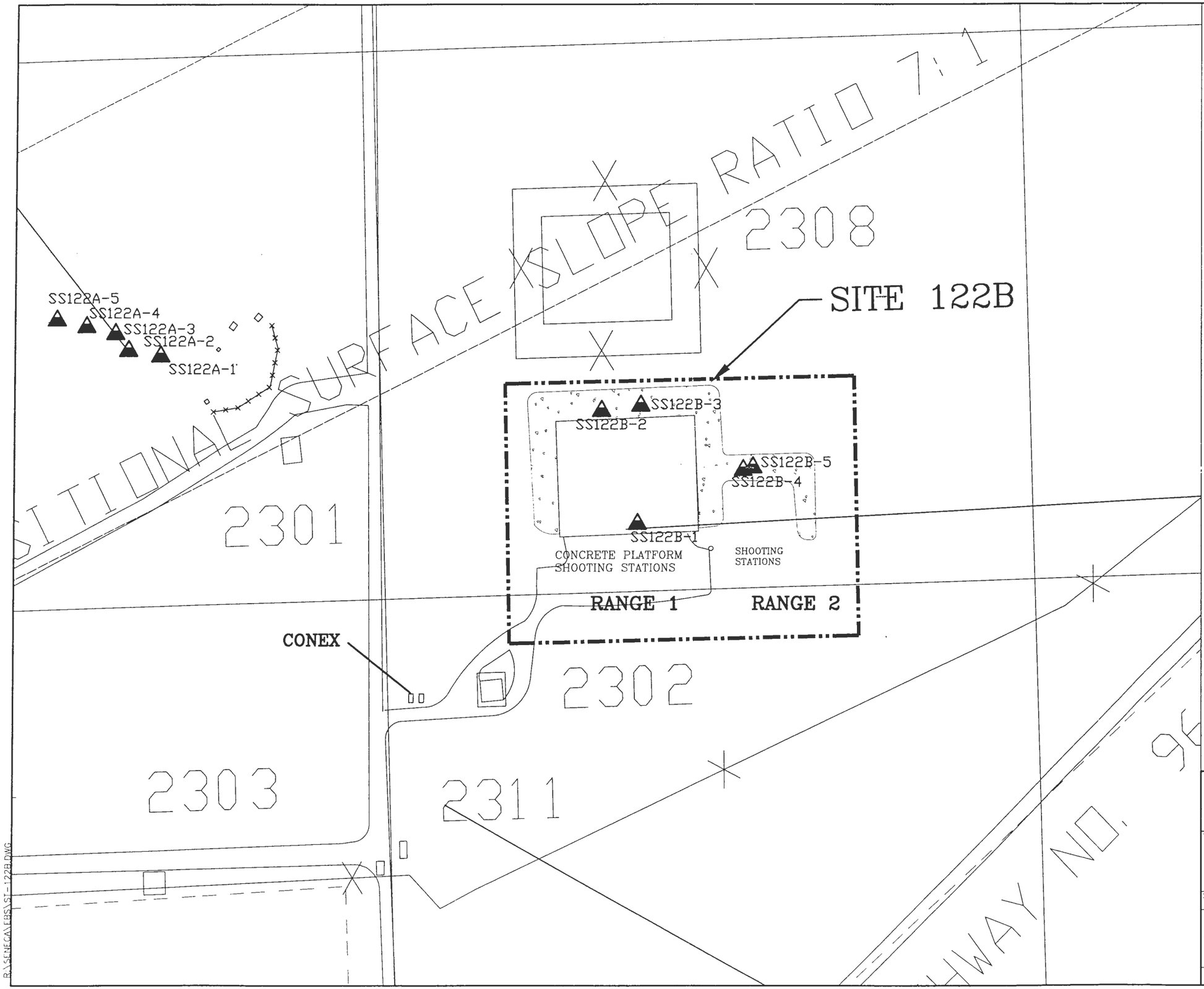
SENECA ARMY DEPOT ACTIVITY
ENVIROMENTAL BASELINE SURVEY
INVESTIGATION OF NON-EVALUATED SITES

DEPT: ENVIRONMENTAL ENGINEERING

FIGURE 3-1
SITE FEATURES AND SAMPLE LOCATIONS
AT EBS SITE 122A SKEET/TRAP RANGE

SCALE: 1" = 150' | DATE: 04/10/98 | REV: A

P:\SENECA\EBS\ST-122A.DWG



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SENECA ARMY DEPOT ACTIVITY

ENVIROMENTAL BASELINE SURVEY

INVESTIGATION OF NON- EVALUATED SITES

ENVIRONMENTAL ENGINEERING

FIGURE 4-1

SITE FEATURES AND SAMPLE LOCATIONS AT EBS

SITE 122B BLDG. 2302 SMALL ARMS RANGE

1" = 150'

04/10/98

A

R:\SENECA\EBS\ST-122B.DWG

SS122A-5
SS122A-4
SS122A-3
SS122A-2
SS122A-1

TRANSITIONAL SURFACE

2301

SS122B-3
SS122B-2
SS122B-5
SS122B-4
SS122B-1

CONCRETE PLATFORM SHOOTING STATIONS

SHOOTING STATIONS

RANGE 1

RANGE 2

CONEX

2302

2304

2303

2311

SITE 122C

4)PS/PR

STATE HIGHWAY 1

N

BRAC PARCEL LABEL DEFINITIONS

8(2)PS

- PARCEL NUMBER
- CATEGORY NUMBER
- CONTAMINATION DESCRIPTION:
  - PS PETROLEUM STORAGE
  - PR PETROLEUM RELEASE OR DISPOSAL
  - HS HAZARDOUS SUBSTANCE STORAGE
  - HR HAZARDOUS SUBSTANCE RELEASE OR DISPOSAL
  - (P) POSSIBLE (UNVERIFIED)

NON-CERCLA ISSUE (QUALIFIED) LABEL DEFINITIONS

8-19Q-A(P)

- PARCEL NUMBER
- FACILITY NUMBER (IF APPLICABLE)
- QUALIFIED
- QUALIFIERS:
  - A ASBESTOS-CONTAINING MATERIAL
  - L LEAD-BASED PAINT
  - P PCB
  - R RADON
  - X UXO AND/OR ORDNANCE FRAGMENTS
  - RD RADIONUCLIDES
  - (P) POSSIBLE (UNVERIFIED)

-150 0 150

SCALE: 1" = 150'

PARSONS

PARSONS ENGINEERING SCIENCE, INC.

CLIENT/PROJECT TITLE

SENECA ARMY DEPOT ACTIVITY
ENVIROMENTAL BASELINE SURVEY
INVESTIGATION OF NON- EVALUATED SITES

DEPT: ENVIRONMENTAL ENGINEERING

DWG NO:

FIGURE 5-1

SITE FEATURES AT EBS SITE 122C
NEAR BLDG. 2311 CONEX WITH UNKNOWN CONTENTS

1" = 150' | 04/10/98 | A

R:\SENECA\EBS\ST-122C.DWG

WEST PATROL

2312

SITE 122D

CONCRETE
HOT PAD

56(6)PR

AIRCRAFT PARKING
AND FUELING

SB122D-02

SB122D-01

ASPHALT
TAXIWAY

ASPHALT
TAXIWAY

MW122E-1/SB122E-1

AIRCRAFT FUELING

N

LEGEND:

▲ SB122D-01 — SOIL BORING

⊕ MW122E-1 — TEMPORARY WELL/ SOIL BORING

BRAC PARCEL LABEL DEFINITIONS

8(2)PS

- PARCEL NUMBER
- CATEGORY NUMBER
- CONTAMINATION DESCRIPTION:
  - PS PETROLEUM STORAGE
  - PR PETROLEUM RELEASE OR DISPOSAL
  - HS HAZARDOUS SUBSTANCE STORAGE
  - HR HAZARDOUS SUBSTANCE RELEASE OR DISPOSAL
  - (P) POSSIBLE (UNVERIFIED)

NON-CERCLA ISSUE (QUALIFIED) LABEL DEFINITIONS

8-19Q-A(P)

- PARCEL NUMBER
- FACILITY NUMBER (IF APPLICABLE)
- QUALIFIED
- QUALIFIERS:
  - A ASBESTOS-CONTAINING MATERIAL
  - L LEAD-BASED PAINT
  - P PCB
  - R RADON
  - X UXO AND/OR ORDNANCE FRAGMENTS
  - RD RADIONUCLIDES
  - (P) POSSIBLE (UNVERIFIED)

-200 0 200

SCALE: 1" = 200'

PARSONS

PARSONS ENGINEERING SCIENCE, INC.

CLIENT/PROJECT TITLE

SENECA ARMY DEPOT ACTIVITY
ENVIROMENTAL BASELINE SURVEY
INVESTIGATION OF NON-EVALUATED SITES

DEPT: ENVIRONMENTAL ENGINEERING | DWG No:

FIGURE 6-1
SITE FEATURES AND SAMPLE LOCATIONS
AT EBS SITE 122D HOT PAD SPILL

SCALE: 1" = 200' | DATE: 04/10/98 | A

P:\SENECA\EBS\SI-122D.DWG

SITE 122E

56(6)PR

SB122D-02

SB122D-01

AIRCRAFT PARKING AND FUELING

OVERRUN

CLEAR

MW122E-1/SB122E-1

AIRCRAFT FUELING (SOUTH)

500' LATERAL CLEARANCE

115Q-X

2307

2308

SS122A-5

SS122A-4

SS122A-3

SS122A-2

SS122A-1

SS122B-3

SS122B-2

SS122B-5

SS122B-4

SS122B-1

RANGE 1

RANGE 2

2301

2302

2311

TRANSITIONAL SURFACE SLOPE RATIO 7:1

SOUTH-EAST

NORTH-WEST

AIRCRAFT PARKING AND FUELING (CENTRAL)

2310

2305

2304

2303

MW122E-2/SB122E-2

2315

S-2306

8(4)PS/PR

7(2)PS

6(4)PS/PR

500' LATERAL CLEARANCE

AIRCRAFT FUELING (NORTH)

MW122E-3/SB122E-3

2(1)

NEW YORK STATE HIGHWAY

7:1

N

LEGEND:

SB123B-1 — SOIL BORING

SS123B-1 — SURFACE SOIL SAMPLE

MW122E-1 — TRMPORARY MONITORING WELL

BRAC PARCEL LABEL DEFINITIONS

8(2)PS

- PARCEL NUMBER
- CATEGORY NUMBER
- CONTAMINATION DESCRIPTION
  - PS PETROLEUM STORAGE
  - PR PETROLEUM RELEASE OR DISPOSAL
  - HS HAZARDOUS SUBSTANCE STORAGE
  - HR HAZARDOUS SUBSTANCE RELEASE OR DISPOSAL
  - (P) POSSIBLE (UNVERIFIED)

NON-CERCLA ISSUE (QUALIFIED) LABEL DEFINITIONS

8-190-A(P)

- PARCEL NUMBER
- FACILITY NUMBER (IF APPLICABLE)
- QUALIFIED
- QUALIFIERS
  - A ASBESTOS-CONTAINING MATERIAL
  - L LEAD-BASED PAINT
  - P PCB
  - R RADON
  - X UXO AND/OR ORDNANCE FRAGMENTS
  - RD RADIONUCLIDES
  - (P) POSSIBLE (UNVERIFIED)

-500 0 500

SCALE: 1" = 500'

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CLIENT/PROJECT TITLE

SENECA ARMY DEPOT ACTIVITY

ENVIROMENTAL BASELINE SURVEY

INVESTIGATION OF NON-EVALUATED SITES

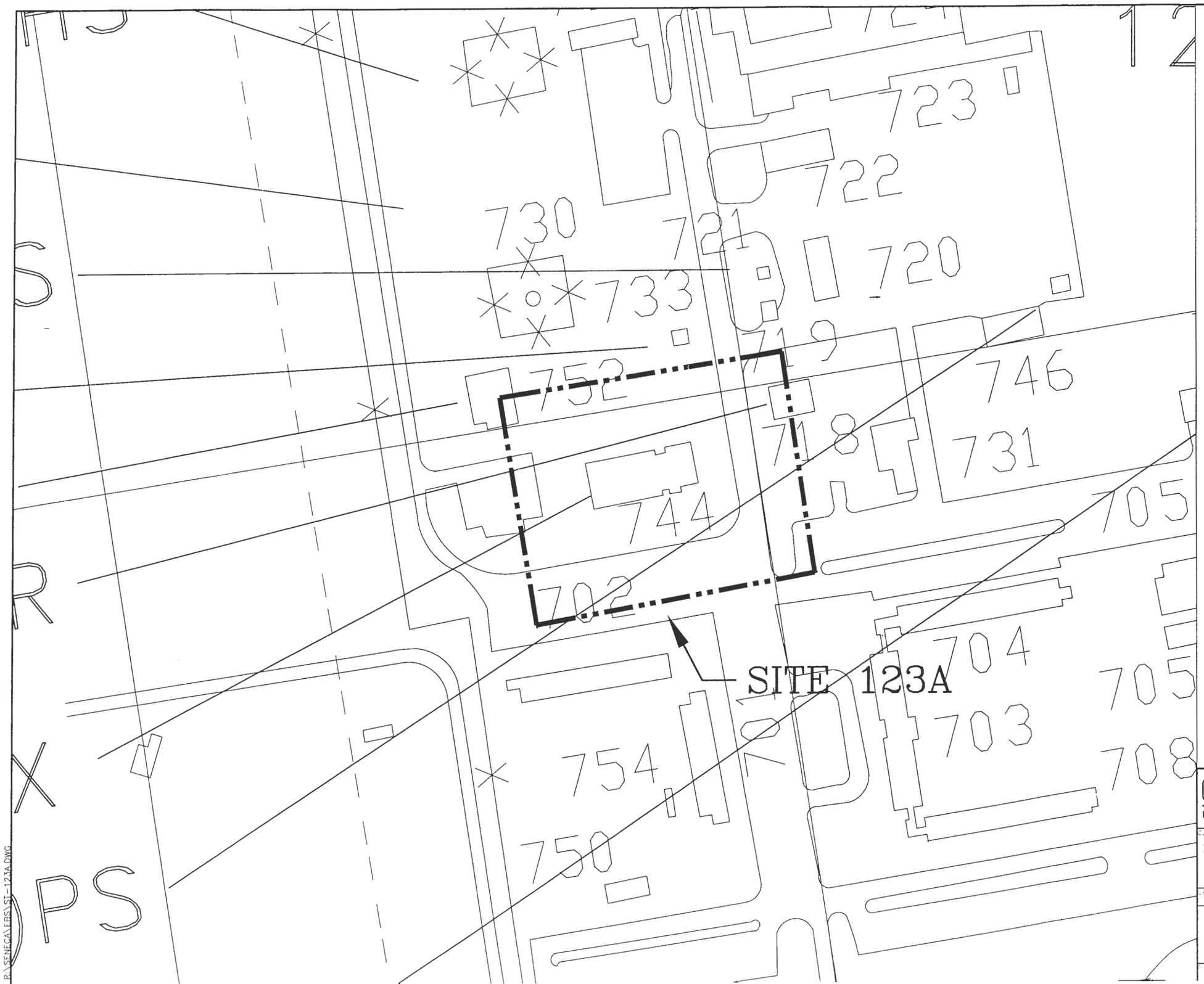
DEPT: ENVIRONMENTAL ENGINEERING

FIGURE 7-1

SITE FEATURES AND SAMPLE LOCATIONS AT EBS SITE 122E DEICING PLANES

1" = 500' | 04/10/98 | A

B:\SENECA\EBS\ST-122E.DWG



N

BRAC PARCEL LABEL DEFINITIONS

8(2)PS

- PARCEL NUMBER
- CATEGORY NUMBER
- CONTAMINATION DESCRIPTION
  - PS PETROLEUM STORAGE
  - PR PETROLEUM RELEASE OR DISPOSAL
  - HS HAZARDOUS SUBSTANCE STORAGE
  - HR HAZARDOUS SUBSTANCE RELEASE OR DISPOSAL
  - (P) POSSIBLE (UNVERIFIED)

NON-CERCLA ISSUE (QUALIFIED) LABEL DEFINITIONS

8-19Q-A(P)

- PARCEL NUMBER
- FACILITY NUMBER (IF APPLICABLE)
- QUALIFIED
- QUALIFIERS
  - A ASBESTOS-CONTAINING MATERIAL
  - L LEAD-BASED PAINT
  - P PCB
  - R RADON
  - X UXO AND/OR ORDNANCE FRAGMENTS
  - RD RADIONUCLIDES
  - (P) POSSIBLE (UNVERIFIED)

-150 0 150

SCALE: 1" = 150'

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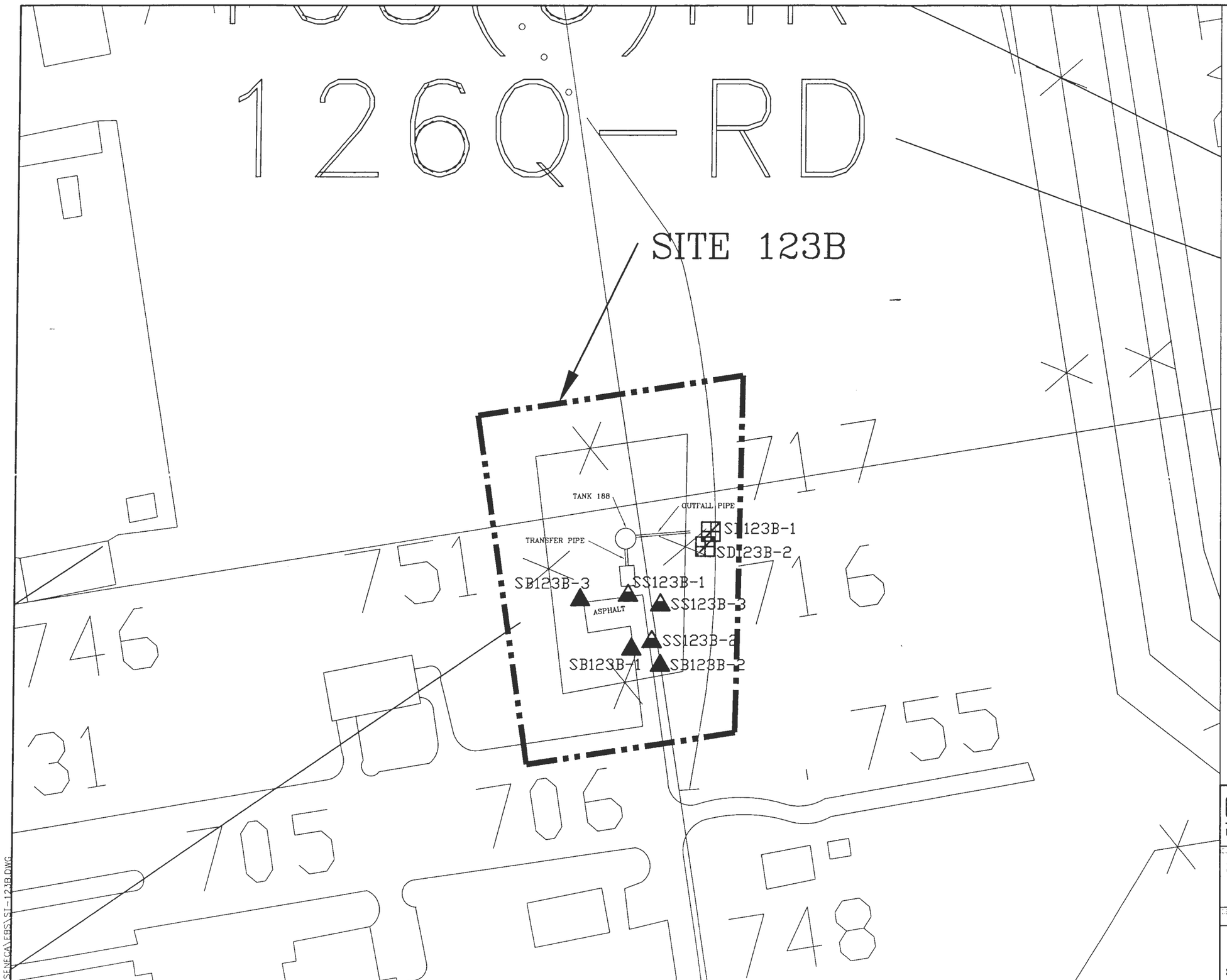
SENECA ARMY DEPOT ACTIVITY
ENVIROMENTAL BASELINE SURVEY
INVESTIGATION OF NON- EVALUATED SITES

ENVIRONMENTAL ENGINEERING | Dwg No

FIGURE 8-1
SITE FEATURES AT EBS SITE 123A
BLDG. 744 INDOOR FIRING RANGE

1" = 150' | 04/10/98 | A

R:\SENECA\EBS\ST-123A.DWG


1260-RD
SITE 123B
717
TANK 188
CUTFALL PIPE
TRANSFER PIPE
SS123B-1
SD123B-2
SB123B-3
SS123B-1
SS123B-3
ASPHALT
SS123B-2
SB123B-1
SB123B-2
751
716
746
755
31
706
705
748
N
LEGEND:
SOIL BORING
SB123B-1
SURFACE SOIL SAMPLE
SS123B-1
SEDIMENT SAMPLE
SD123B-1
SHED
BRAC PARCEL LABEL DEFINITIONS
8(2)PS
CONTAMINATION DESCRIPTION
CATEGORY NUMBER
PARCEL NUMBER
PS PETROLEUM STORAGE
PR PETROLEUM RELEASE OR DISPOSAL
HS HAZARDOUS SUBSTANCE STORAGE
HR HAZARDOUS SUBSTANCE RELEASE OR DISPOSAL
(P) POSSIBLE (UNVERIFIED)
NON-CERCLA ISSUE (QUALIFIED) LABEL DEFINITIONS
8-19Q-A(P)
QUALIFIERS
QUALIFIED
FACILITY NUMBER (IF APPLICABLE)
PARCEL NUMBER
A ASBESTOS-CONTAINING MATERIAL
L LEAD-BASED PAINT
P PCB
R RADON
X UXO AND/OR ORDNANCE FRAGMENTS
RD RADIONUCLIDES
(P) POSSIBLE (UNVERIFIED)
-100
0
100
SCALE: 1" = 100'
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PARSONS ENGINEERING SCIENCE, INC.
CLIENT/PROJECT TITLE
SENECA ARMY DEPOT ACTIVITY
ENVIROMENTAL BASELINE SURVEY
INVESTIGATION OF NON-EVALUATED SITES
DEPT
ENVIRONMENTAL ENGINEERING
DWG NO
FIGURE 9-1
SITE FEATURES AND SAMPLE LOCATIONS AT EBS
SITE 123B BLDG. 716 & 717 PETROLEUM RELEASES
SCALE
1" = 100'
DATE
04/10/98
REV
A
R:\SENECA\EBS\ST-123B.DWG

749
728
727
725
747
732
726
724
723
722
730
721
720
733
719
752
746
718
731
751
716
717
755
706
103(6)HR
126Q-RD
SITE 123C

BRAC PARCEL LABEL DEFINITIONS

8(2)PS
- PARCEL NUMBER
- CATEGORY NUMBER
- CONTAMINATION DESCRIPTION
  - PS PETROLEUM STORAGE
  - PR PETROLEUM RELEASE OR DISPOSAL
  - HS HAZARDOUS SUBSTANCE STORAGE
  - HR HAZARDOUS SUBSTANCE RELEASE OR DISPOSAL
  - (P) POSSIBLE (UNVERIFIED)

NON-CERCLA ISSUE (QUALIFIED) LABEL DEFINITIONS

8-190-A(P)
- PARCEL NUMBER
- FACILITY NUMBER (IF APPLICABLE)
- QUALIFIED
- QUALIFIERS
  - A ASBESTOS-CONTAINING MATERIAL
  - L LEAD-BASED PAINT
  - P PCB
  - R RADON
  - X UXO AND/OR ORDNANCE FRAGMENTS
  - RD RADIONUCLIDES
  - (P) POSSIBLE (UNVERIFIED)

-150 0 150

SCALE: 1" = 150'

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CLIENT/PROJECT TITLE

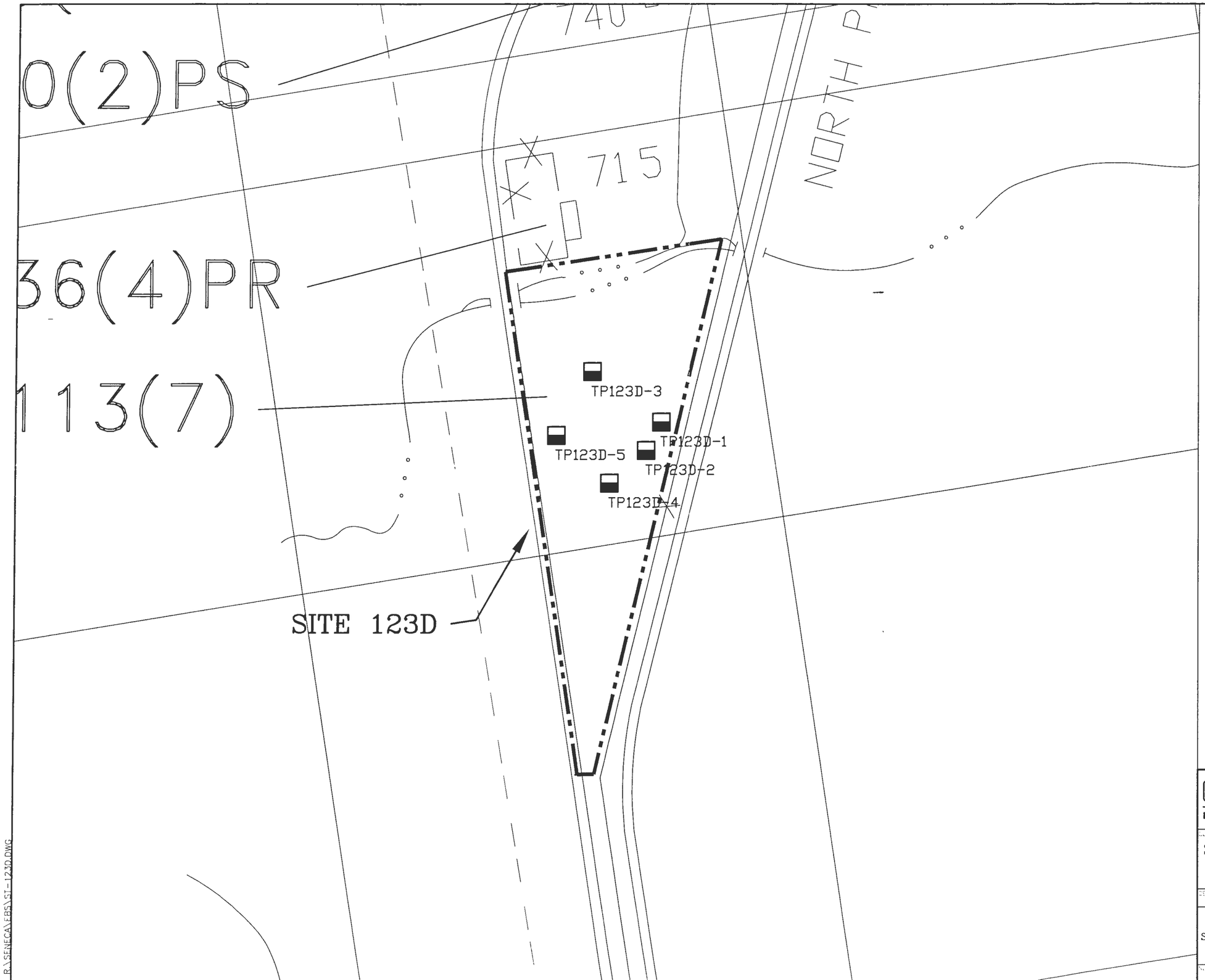
SENECA ARMY DEPOT ACTIVITY
ENVIROMENTAL BASELINE SURVEY
INVESTIGATION OF NON-. EVALUATED SITES

DEPT: ENVIRONMENTAL ENGINEERING

FIGURE 10-1
SITE FEATURES AT EBS SITE 123C
BLDG. 747 HAZARDOUS MATERIALS SPILLS

1" = 150' | 04/10/98

R:\SENECA\EBS\ST-123C.DWG



LEGEND:

TP123D-3 TEST PIT

BRAC PARCEL LABEL DEFINITIONS

8(2)PS

- PARCEL NUMBER
- CATEGORY NUMBER
- CONTAMINATION DESCRIPTION
  - PS PETROLEUM STORAGE
  - PR PETROLEUM RELEASE OR DISPOSAL
  - HS HAZARDOUS SUBSTANCE STORAGE
  - HR HAZARDOUS SUBSTANCE RELEASE OR DISPOSAL
  - (P) POSSIBLE (UNVERIFIED)

NON-CERCLA ISSUE (QUALIFIED) LABEL DEFINITIONS

8-19Q-A(P)

- PARCEL NUMBER
- FACILITY NUMBER (IF APPLICABLE)
- QUALIFIED
- QUALIFIERS
  - A ASBESTOS-CONTAINING MATERIAL
  - L LEAD-BASED PAINT
  - P PCB
  - R RADON
  - X UXO AND/OR ORDNANCE FRAGMENTS
  - RD RADIONUCLIDES
  - (P) POSSIBLE (UNVERIFIED)

-200 0 200

SCALE: 1" = 200'

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CLIENT/PROJECT TITLE

SENECA ARMY DEPOT ACTIVITY
ENVIROMENTAL BASELINE SURVEY
INVESTIGATION OF NON-EVALUATED SITES

DEPT: ENVIRONMENTAL ENGINEERING | DWG NO:

FIGURE 11-1
SITE FEATURES AND SAMPLE LOCATIONS AT EBS
SITE 123D AREA WEST OF BUILDING 715

1" = 200' | 04/10/98 | A

R:\SENECA\EBS\ST-123D.DWG

N

LEGEND:

EXTENT OF EM-61 GEOPHYSICAL SURVEY

BRAC PARCEL LABEL DEFINITIONS

8(2)PS

- PARCEL NUMBER
- CATEGORY NUMBER
- CONTAMINATION DESCRIPTION
  - PS PETROLEUM STORAGE
  - PR PETROLEUM RELEASE OR DISPOSAL
  - HS HAZARDOUS SUBSTANCE STORAGE
  - HR HAZARDOUS SUBSTANCE RELEASE OR DISPOSAL
  - (P) POSSIBLE (UNVERIFIED)

NON-CERCLA ISSUE (QUALIFIED) LABEL DEFINITIONS

8-190-A(P)

- PARCEL NUMBER
- FACILITY NUMBER (IF APPLICABLE)
- QUALIFIED
- QUALIFIERS
  - A ASBESTOS-CONTAINING MATERIAL
  - L LEAD-BASED PAINT
  - P PCB
  - R RADON
  - X UXO AND/OR ORDNANCE FRAGMENTS
  - RD RADIONUCLIDES
  - (P) POSSIBLE (UNVERIFIED)

-100 0 100

SCALE: 1" = 100'

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CLIENT/PROJECT TITLE

SENECA ARMY DEPOT ACTIVITY
ENVIROMENTAL BASELINE SURVEY
INVESTIGATION OF NON-EVALUATED SITES

DEPT: ENVIRONMENTAL ENGINEERING | DWG NO:

FIGURE 12-1

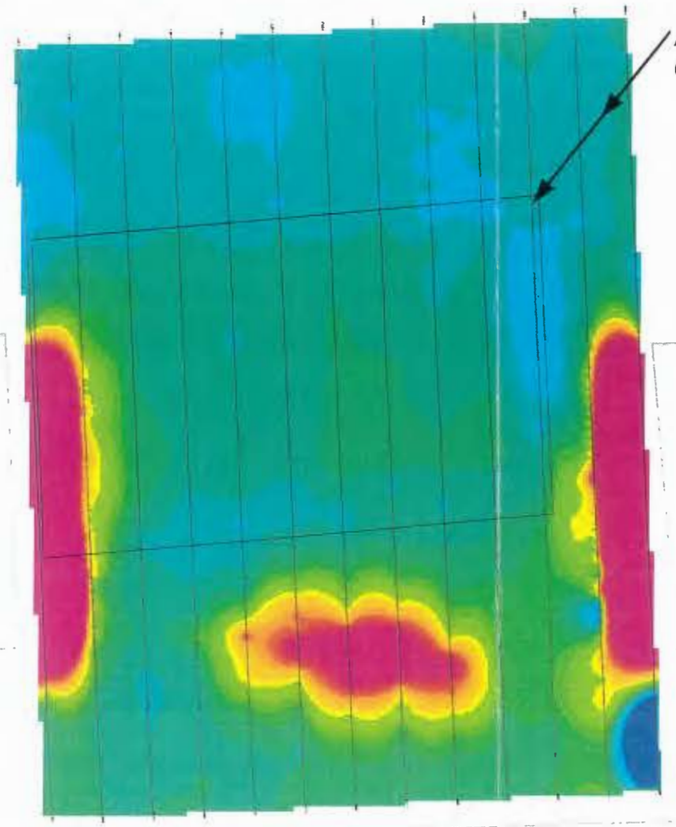
SITE FEATURES AND GEOPHYSICAL GRID AT EBS SITE 123E RUMORED DDT BURIAL AT ICE RINK

1" = 100' | 04/10/98 | A

R:\SENECA\EBS\SI-123E.DWG

SEDA Perimeter Fence

North Patrol Road



Approximate Location of Hockey Rink

Bldg 752

Water Tower

Tennis Courts

Bldg 732

Parking Lot

N

40

30

20

Apparent Ground Conductivity (mS/m)

40 0 40 80 Feet

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SENECA ARMY DEPOT ACTIVITY
ENVIRONMENTAL BASELINE SURVEY
INVESTIGATION OF NON-EVALUATED SITES

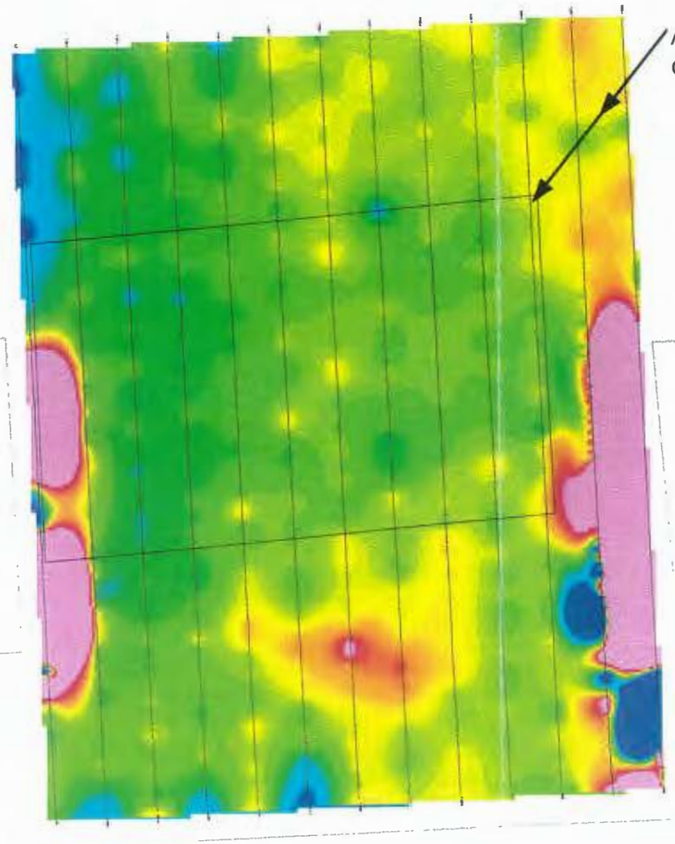
FIGURE 12-2
APPARENT GROUND CONDUCTIVITY AT
EBS SITE 123E. RUMORED DDT BURIAL
AT HOCKEY RINK.

SCALE: | DATE APRIL 1998 | SHEET NO. 1 OF 1

O:\AV_GIS30\SIKORSKY\P1S4\GEOLOGY\ISOPATCH.APR

SEDA Perimeter Fence

North Patrol Road



Approximate Location of Hockey Rink

Bldg 752

Water Tower

Tennis Courts

Bldg 732

Parking Lot

N

2
1
0
-1
In Phase Response (mS/m)

40 0 40 80 Feet

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SENECA ARMY DEPOT ACTIVITY
ENVIRONMENTAL BASELINE SURVEY
INVESTIGATION OF NON-EVALUATED SITES

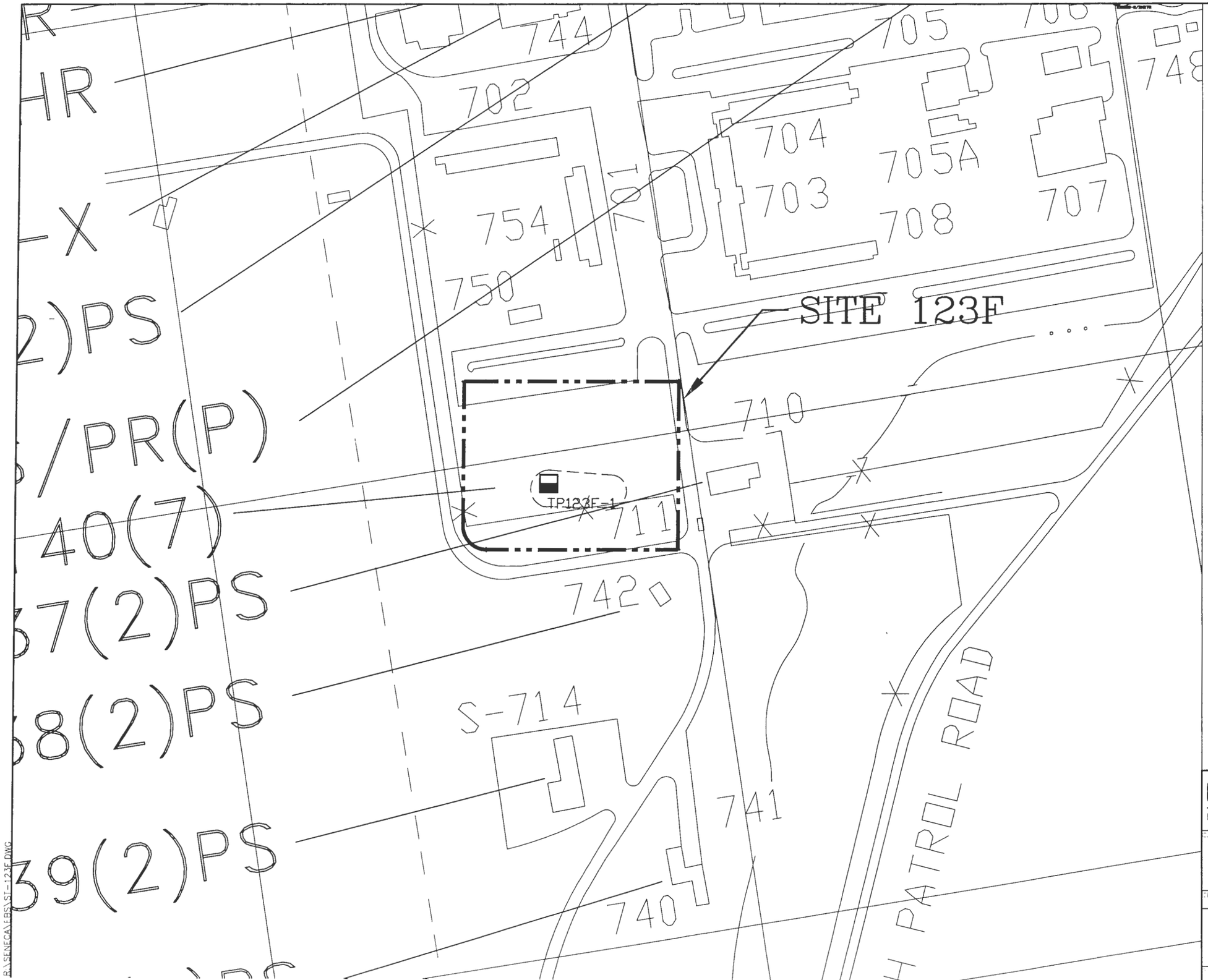
FIGURE 12-3
IN PHASE RESPONSE AT
EBS SITE 123E. RUMORED DDT BURIAL
AT HOCKEY RINK.

SCALE:

DATE
APRIL 1998

SHEET NO. 1 OF 1

O:\AV_GIS30\SIKORSKY\P1S4\GEOLOGY\.ISOPATCHAPR



N

LEGEND:

SOIL MOUND

TEST PIT

TP123F-1

BRAC PARCEL LABEL DEFINITIONS

8(2)PS

- 8 — PARCEL NUMBER
- (2) — CATEGORY NUMBER
- PS — CONTAMINATION DESCRIPTION
  - PS PETROLEUM STORAGE
  - PR PETROLEUM RELEASE OR DISPOSAL
  - HS HAZARDOUS SUBSTANCE STORAGE
  - HR HAZARDOUS SUBSTANCE RELEASE OR DISPOSAL
  - (P) POSSIBLE (UNVERIFIED)

NON-CERCLA ISSUE (QUALIFIED) LABEL DEFINITIONS

8-19Q-A(P)

- 8 — PARCEL NUMBER
- 19 — FACILITY NUMBER (IF APPLICABLE)
- Q — QUALIFIED
- A(P) — QUALIFIERS
  - A ASBESTOS-CONTAINING MATERIAL
  - L LEAD-BASED PAINT
  - P PCB
  - R RADON
  - X UXO AND/OR ORDNANCE FRAGMENTS
  - RD RADIONUCLIDES
  - (P) POSSIBLE (UNVERIFIED)

-200 0 200

SCALE: 1" = 200'

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CLIENT/PROJECT TITLE

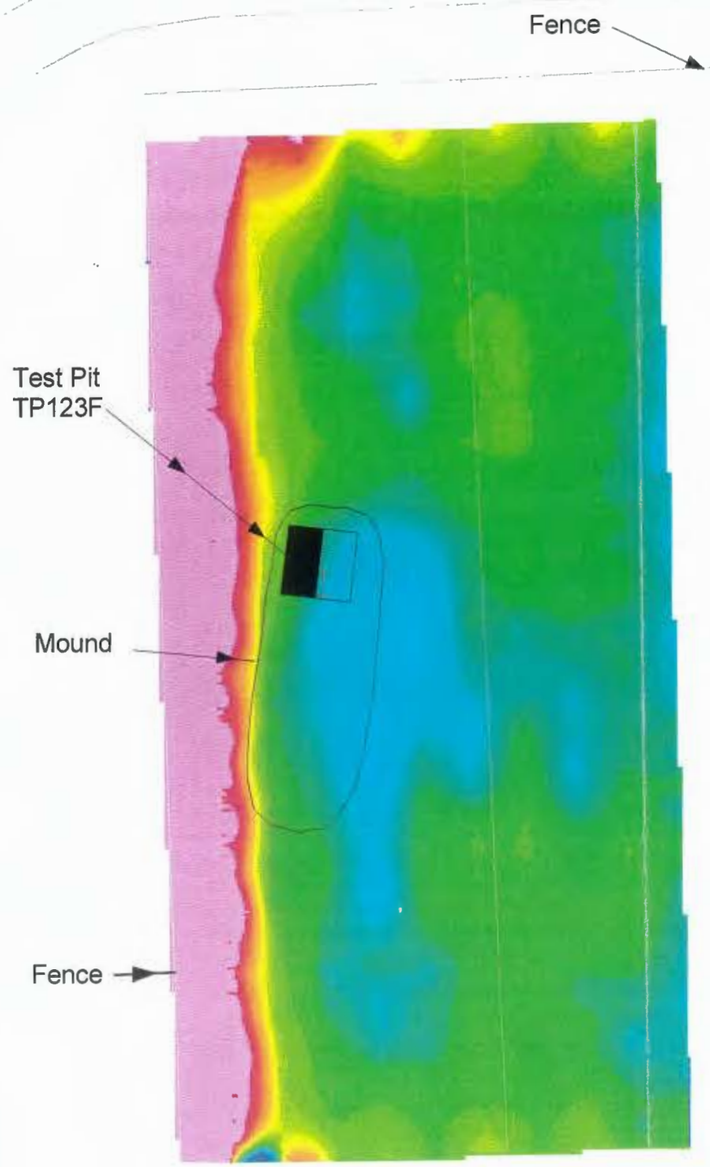
SENECA ARMY DEPOT ACTIVITY
ENVIROMENTAL BASELINE SURVEY
INVESTIGATION OF NON-0 EVALUATED SITES

DEPT: ENVIRONMENTAL ENGINEERING | TASK NO:

FIGURE 13-1
SITE FEATURES AND SAMPLE LOCATION AT EBS SITE 123F MOUND NORTH OF POST 3

1" = 200' | 04/10/98 | A

G:\SENECA\EBS\ST-123F.DWG



N

40
30
20
Apparent Ground Conductivity
(mS/m)

Test Pit

40 0 40 80 Feet

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PARSONS ENGINEERING SCIENCE, INC.

SENECA ARMY DEPOT ACTIVITY
ENVIRONMENTAL BASELINE SURVEY
INVESTIGATION OF NON-EVALUATED SITES

FIGURE 13-2
APPARENT GROUND CONDUCTIVITY AT
EBS SITE 123F. AREA NORTH OF POST-3

SCALE: | DATE APRIL 1998 | SHEET NO. 1 OF 1

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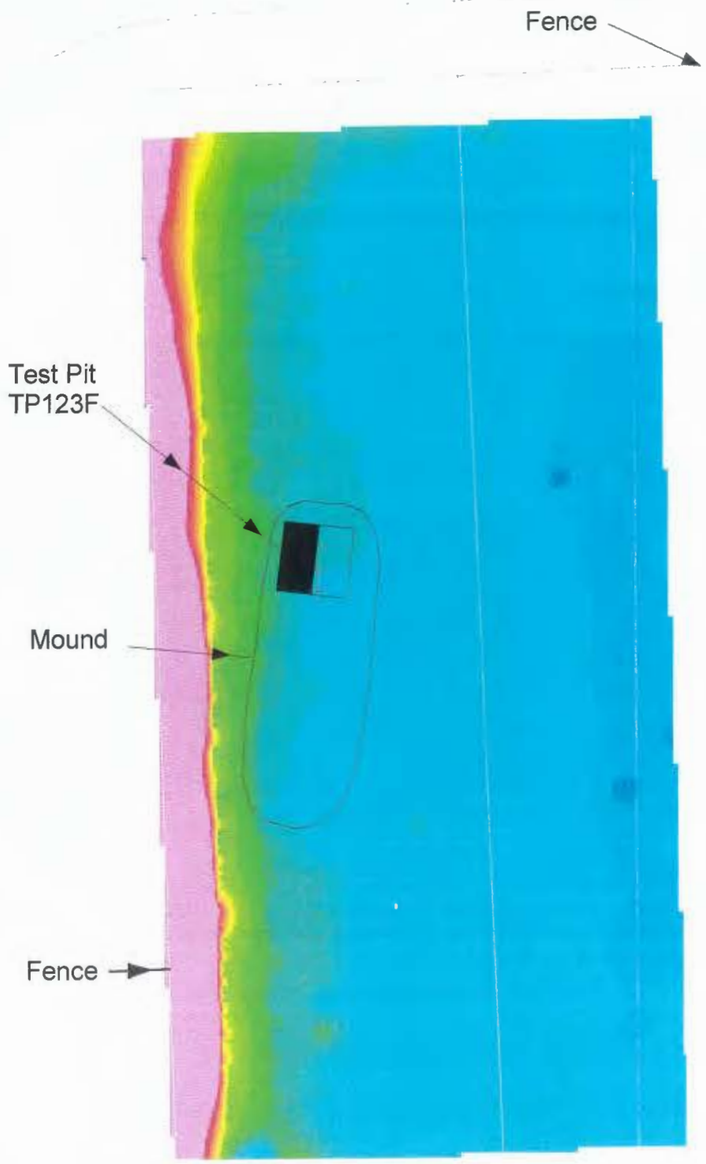

N

2
1
0
-1
In Phase Response
(mS/m)

Test Pit

40 0 40 80 Feet

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SENECA ARMY DEPOT ACTIVITY
ENVIRONMENTAL BASELINE SURVEY
INVESTIGATION OF NON-EVALUATED SITES

FIGURE 13-3
IN PHASE RESPONSE AT
EBS SITE 123F. AREA NORTH OF POST-3

SCALE: | DATE APRIL 1998 | SHEET NO. 1 OF 1

O:\AV_GIS30\SIKORSKYP1S4\GEOLOGY\ISOPATCHAPR