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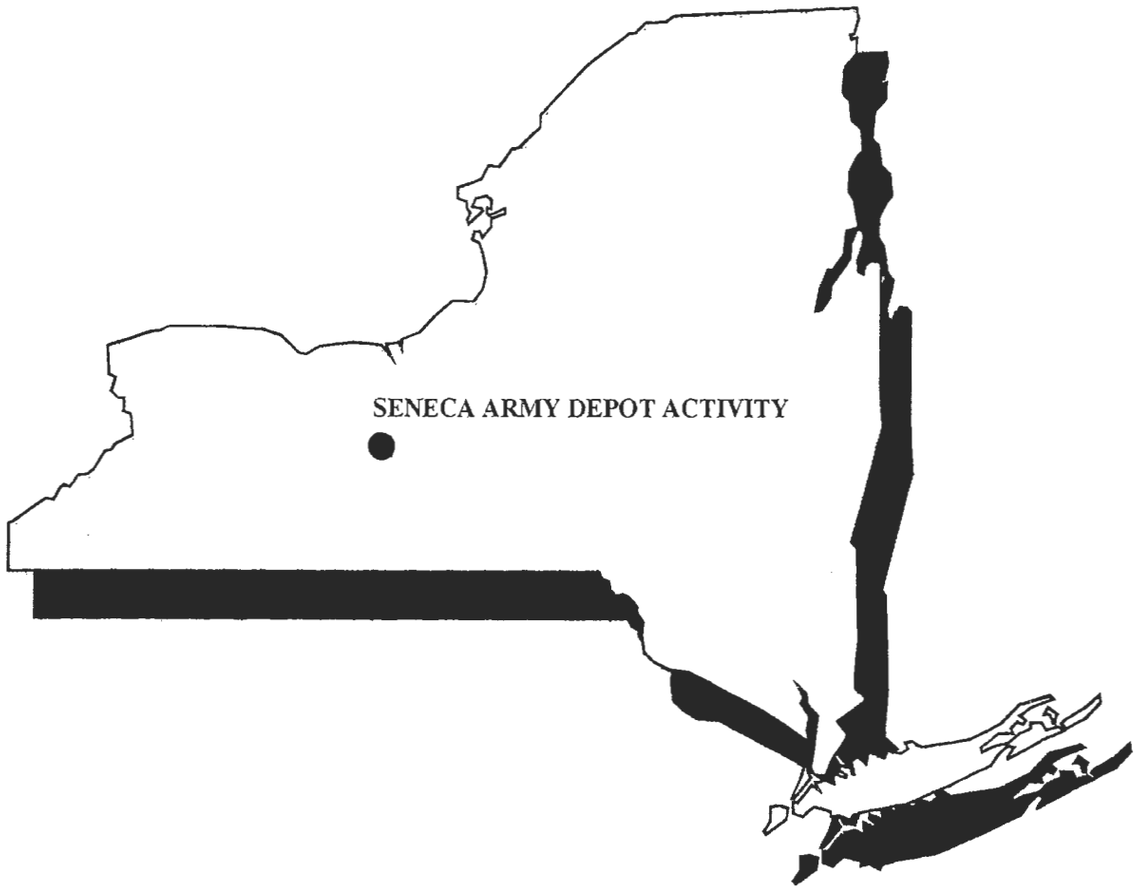

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INVESTIGATION OF ENVIRONMENTAL BASELINE SURVEY NON-EVALUATED SITES

SEAD-46, SEAD-68, AND SEAD-120(A,B,C,D,E,F,G,H,I,J)

MAY 1998

Investigation of
12 Moderate
Environmental Baseline Survey
Non-Evaluated Sites
SEAD-46, SEAD-68, and SEAD-120 (A,B,C,D,E,F,G,H,I,J)

at

Seneca Army Depot Activity

Romulus, New York 01454

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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, 1996) 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 46, 68, and 120 as moderate status, based on the need for transfer or lease of these areas. 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-120A, -120B, -120C, etc.). The 12 moderate 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).

Note that SEAD-46 was deleted from the moderate sites to be investigated at this time, however, its current status is presented in this report.

1.3 Technical Approach for Investigation of Non-Evaluated EBS Sites

The process by which the sites within these 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 analysis program 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; Sediment: NYS Benthic Aquatic Life/Human Health Criteria). 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, which was established in the EBS. At SEAD-68 "Industrial PRGs" were used and at SEAD-120 (A, B, C, D, E, F, G, H, I, J) "Recreational PRGs" were used. Note that no samples were collected at SEAD-46.

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 and/or sediment 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
Moderate Non-Evaluated EBS Sites

Number	SEAD Area Designation	Description	EBS Site Number
1	SEAD 46	Small Arms Range	122Q-X
2	SEAD 68	Old Pest Control Shop (Building S-335)	108(7)HS(P)/HR(P)
3	SEAD 120A	50 Area Dumping Areas	57(6)PS/PR/HR
4	SEAD 120B	Ovid Road Small Arms Range	119Q-X
5	SEAD 120C	Building 813-817 Paints and Solvents Disposal Areas	98(6)PS/HS/HR
6	SEAD 120D	MP Refueling Island in the Q	99(6)PS/PR
7	SEAD 120E	Near Building 2131, Possible DDT Disposal	106(6)HR
8	SEAD 120F	Munitions Burial Sites, South End of the Main Depot	117Q-X
9	SEAD 120G	Mounds at the Duck Pond	109(7), 110(7), 111(7), and 112(7)
10	SEAD 120H	Building 810	98(6)PS/HS/HR
11	SEAD 120I	Building 819, A0101 and A0102	98(6)PS/HS/HR
12	SEAD 120J	Farmer`s Dump	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.

In this report, the sections that describe the individual sites provide a summary of the investigation fieldwork and analytical results for each of the 12 moderate Non-Evaluated EBS sites. 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). There were no specific field investigation methods/procedures used that are not specifically covered in the Generic Workplan.

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-46 - Small Arms Range

2.1 Site Information

This parcel is associated with a small arms range that was used for testing firing tracers and 3-1/2-inch rockets. This area corresponds to one of the previously identified SWMUs (SEAD-46) (Figure 2-1).

This site was originally included in the list of moderate EBS sites, but work at this site was postponed because of specific UXO concerns.

3.0 SEAD-68 - Old Pest Control Shop (Building S-335)

3.1 Site Information

This parcel is associated with the reported former pest control shop in Building S-335. This site is one of the previously recognized SWMUs (SEAD-68) (Figure 3-1). No documented or visual evidence of a release has been discovered. However, NYSDEC has classified this area as an Area of Concern (AOC) and the Seneca Army Depot Activity agrees.

The purpose of the investigation was to determine if surface and subsurface soils around the Old Pest Control Shop have been impacted by the activities at the shop. The constituents of concern are volatile organics, semivolatile organics, pesticides (including organophosphorous pesticides), herbicides, and arsenic in soil.

3.2 Summary of Investigation

This area is comprised of a 100-foot by 40-foot single story wooden building, the Old Pesticide Control Shop, which is located on the corner of Avenue C and 3rd Street (Figure 3-1). The building is surrounded on the west, north and east sides by narrow grassy areas. There are doors located on these three sides of the building. A large garage (bay) door entrance is on the southern end of the building. Beyond the grassy areas to the north and east is an asphalt and gravel (i.e., crushed shale) area that is used for vehicle parking and staging. A 50-foot concrete driveway extends from the bay door to the intersection of Avenue C and 3rd Street.

Surface soil sampling and soil borings were performed at this site. A total of five surface soil samples were collected near doorways on the outside of the building (Figure 3-1). Three of the samples were collected near three doors on the west, north, and east sides of the building. The other two samples were collected from locations to the northwest and southeast of the large garage door. Two soil borings were performed on either side of the large garage door, beyond the surface soil sample locations mentioned above (Figure 3-1). The borings were in grassy areas that are likely disposal areas because of the good infiltration in the areas and because these areas are near drainage ditches. 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 through 3-9. These results were compared to the NYSDEC TAGMs and the Industrial PRGs. The results of the comparisons are given below.

Comparison to TAGM:

- Six volatile organic compounds were found in the soil at SEAD-68, however, their concentrations were all below their respective TAGMs. The two most frequently occurring compounds were acetone and toluene, which were present in a majority of the samples. These two compounds are common laboratory contaminants. The other compounds (benzene, chloroform, total xylenes, and trichloroethene) were found at estimated concentrations between 2 ug/Kg and 5 ug/Kg only in the two subsurface soil samples.

- The semivolatile organic compounds found in the soil samples consisted mostly of PAHs, however, five phthalates were also found in the soil samples. Four of the PAH compounds

exceeded their respective TAGMs in the surface soil samples collected immediately around Building S-335; one exceedence (1.2 times the TAGM) was found in the surface soil sample at SB68-2. The maximum exceedences for the PAHs were as follows: benzo(a)anthracene (4.1 times); benzo(b)pyrene (12.6 times); chrysene (2.5 times); and dibenz(a,h)anthracene (16 times).

- Six pesticide compounds were found in the soils at SEAD-68. They were found in all samples except for those collected at SB68-1. One of the compounds detected, 4,4'-DDT, was found at a concentration (4,000 ug/Kg) that was 2 times its TAGM in surface soil sample SS68-4, which is located outside a door on the northwest side of Building S-335. Also, three other compounds were found at their highest concentrations in this sample. The other compounds found in the samples collected on-site were 4,4'-DDE, alpha-chlordane, endrine ketone, gamma-chlordane, heptachlor epoxide.

- Two herbicide compounds (2,4,5-T and 2,4-DB) were found in one soil sample, SS68-4, which was collected outside the door on the northwestern side of the building. Both of these concentrations were well below their respective TAGMs.

- The concentrations of arsenic in were below the TAGM in all of the samples, except for one (SS68-4). In this sample the TAGM was exceedence was relatively low (1.3 times).

Comparison to Industrial PRGs:

- No Industrial PRGs were exceeded in the soil samples for the volatiles, semivolatiles, pesticides, and herbicides analyses. Arsenic exceeded the Industrial PRG in all but one of the soil samples, however, the exceedences were generally low, between 1.02 times and 3.0 times the PRG. In more than half the samples the arsenic exceedences were less than 2 times the PRG. The maximum exceedence (3.0 times) was in the surface soil sample SS68-4.

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 pesticides (particularly 4-4'-DDT) on the southwest side of the building at SEAD-68. At this time, there are an insufficient number of data points to perform a Mini Risk Assessment.

4.0 SEAD-120A - 50 Area Dumping Areas

4.1 Site Information

This parcel is associated with dumping areas that are reported to exist in the "50 Area" west of Seneca Road and south of Indian Creek Road (Figure 4-1). Two of the dumping areas were observed to contain concrete blocks and fill dirt. One had steel drums and one is believed to be a former railroad dump containing railroad ties and scrap metal.

The purpose of the investigation was to determine if subsurface soils have been impacted by the dumping that occurred in this area (the locations of these samples were not based upon the results of the geophysical survey). A geophysical investigation was used to identify other areas where material may have been buried. The constituents of concern are volatile organics, semivolatile organics, TPH, metals, pesticides/PCBs, and herbicides in soil.

4.2 Investigation Summary

The site is comprised of an irregularly shaped area located in the southwestern corner of the Depot (Figure 4-1). It is comprised of mostly wooded land and low brush areas, and within these areas are railroad tracks, a dirt road, open areas and soil/debris mounds. Most of the woodlands are located in the central and southwestern portions of the site, and the remaining areas are dominated by low brush. A railroad line passes through the southern portion of the site and extends north through the north-central portion of the site; a dirt road parallels the railroad tracks that pass through the southern portion of the site. Several conspicuous, open areas are located on the eastern and western sides of the railroad tracks (in the western portion of the site), where they begin to head due north toward Indian Creek Road. The areas are generally lower in elevation than the surrounding terrain near the roadway and railroad tracks, and they are characterized by uneven ground. In addition, soil/debris mounds were identified along the perimeter of the site, near roads or railroad tracks. No roads that would provide access to interior locations of the site were identified during the inspection.

EM-31 geophysical surveys were performed to identify locations where oil or hazardous materials may have been buried. The geophysical surveys were performed in six different areas within site 120A. These locations were chosen because they are suspected staging areas or conspicuous open areas where access is provided to them by nearby roads and/or railroad tracks. These locations were identified based on a review of aerial photographs, site inspection information, and discussions with SEDA environmental personnel. Areas 1 and 2 are to the west and east of the railroad tracks, respectively, where the tracks begin to head due north toward Indian Creek Road. Areas 3 and 4 are located east of the railroad tracks, to the south and north, respectively, of the small pond that was associated with the munitions washout facility (SEAD-4). Area 5 is located near Seneca Road west of igloo E0801. The last area (Area 6) is located west of Silver Creek, approximately 500 feet south of igloo E0806.

An EM-31 survey was performed in the six different areas as previously described. All of these areas are believed to have been the most likely to have been used for disposal purposes, if disposal actions have actually occurred in SEAD-120A. The EM-31 survey was performed at each location by collecting EM measurements every one second along parallel survey lines. These lines were spaced 20 feet apart. The local survey grid that was established at each location was surveyed and referenced to the New York State Plane coordinate system. Once the EM-31 data were collected, they were corrected for instrument drift using instrument function check data that were collected before and after each survey. Finally, the data were reduced to produce pseudo-color maps of the measured EM responses. These maps are presented in Figures 4-2 through 4-9. Figures 4-2, 4-4, 4-6 and 4-8 show the measured apparent ground conductivity at the various survey locations, and Figures 4-3, 4-5, 4-7 and 4-9 show the measured 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 variations observed in the EM data.

No EM anomalies are visible in either the apparent ground conductivity data or in the in-phase response data at any of the six areas surveyed. At each surveyed area, the apparent ground conductivity and in-phase response data are interpreted to be representative of natural site conditions. There are no indications that disposal of metallic debris has occurred at any of the six areas, nor is there any indication of soils with increased or decreased apparent ground conductivities that may have been caused by leaching or run-off from disposal materials.

A total of five test pits were performed within the site and two soil samples were collected at each test pit (Figure 4-1). The samples were collected at the locations of soil/debris mounds near roads and railroad tracks, which are areas that would allow easy access for dumping; these locations were not based on the results of the geophysical survey, which investigated material that may have been buried. The mounds that were investigated were those that were the most easily accessed and had signs that they contained debris (anything other than topsoil). The degree of accessibility, as well as the relative amount and type of debris in the mound, were the main criteria for choosing the mounds to be investigated. 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 through 4-11. These results were compared to NYSDEC TAGMs and Recreational PRGs. The results of the comparisons are given below.

Comparison to TAGMs:

- No volatile organic compounds were found at concentrations above their respective TAGMs. The volatiles that were found included acetone, chloroform, methylene chloride, and toluene, most of which were found at estimated concentrations in the samples

- The semivolatile organic compounds detected in the soils on-site were mostly PAHs and phthalates, however, none of these compounds were found at concentrations above their respective TAGMs. The concentrations for all of the semivolatile compounds were estimated. The PAHs, which comprised the majority of the compounds detected, were found mostly at TP120A-2 and TP120A-5.

- No TPH were found at concentrations above the detection limit at four of the five test pit locations; at one test pit location, TP120A-2, no TPH sample was collected due to an oversight in the field. No TAGM has been established for TPH.

- Five metals exceeded their respective TAGMs, however, these exceedences were mostly in the two samples collected at TP120A-2. The metals that exceeded the TAGMs were chromium (1.05 times), copper (1.7 times), iron (1.2 times), lead (2.8 times), and thallium (2.4 times). The magnitude of these metals exceedences suggests that they may be due to the natural variability of the concentrations of these metals in the soil.

- Four pesticide compounds were found at two test pit locations at SEAD-120A, however, the detected concentrations were well below their respective TAGMs. Estimated concentrations of 4,4`-DDT were found at TP120A-3 and TP120A-5. The subsurface soil sample at TP120A-5 also contained the compounds alpha-BHC, Delta-BHC, and Gamma-BHC (Lindane). No PCBs were detected in the samples.

- No herbicides were detected in the soil samples collected from the test pits in the mounds.

Comparison to Recreational PRGs:

- No Recreational PRGs were exceeded in the soil samples analyzed for volatile organics, semivolatile organics, metals, pesticides/PCBs, and herbicides.

Recommendation: Based on professional judgment it is recommended, as outlined under Decision No. B in the Decision Criteria Flowchart, that the final actions at SEAD-120A 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.

5.0 SEAD-120B - Ovid Road Small Arms Range

5.1 Site Information

This parcel is associated with the location of a small arms range. Interviews during the 1995 EBS indicated that this area had been used a small arms range. During the EBS fieldwork, a visual inspection of the area revealed a 250-foot-long arcuate berm with a dirt track road leading to it (Figure 5-1).

The purpose of the investigation was to determine if subsurface soils in the former small arms range have been impacted by the activities at the range. The constituents of concern are semivolatiles, metals, and explosives in soil.

5.2 Investigation Summary

The site is comprised of a 200-foot long arcuate soil berm that opens to the southwest (Figure 4-1). There is an approximately 290-foot dirt road that leads from the patrol road to the base of the berm, which is covered with brush and vines. At the base of the berm, beneath the brush, there are three steel posts that are believed to be the supports for target mounting frames. Three buried 4-inch diameter clay pipes (which protruded a few inches above the ground surface) were also found at the base of the berm. Because these locations correspond with the identified target backstop locations, they may have been used as removable target post receptacles.

A total of six soil samples were collected at locations behind each of the target locations within the berm (Figure 5-1). The samples were collected at locations immediately behind the target posts; these locations are believed to be impact points for the shots. The impact points were verified by the presence of bullets, mostly copper jacketed 0.45 and 0.38 caliber, which are typically used with sidearms. There was also evidence of more recent activity at this site because two plastic ammo boxes and a 6-foot belt of live 5.56 NATO blank rifle rounds were found in front of the berm. Manufacturer markings and a lack of corrosion on these materials suggests that they are likely to be only 4 to 5 years old. The rationale for selecting the sample locations is provided in Table 5-1.

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

Comparison to TAGMs:

- No explosive compounds were detected in the samples collected from the soil berm.
- Semivolatile organic compounds were found at estimated concentrations in the soil samples. The compounds included many PAHs and two phthalate compounds. None of the detected concentrations were above the TAGMs.

- Four metals exceeded their respective TAGMs. Lead was the only metal that exceeded the TAGM in all six sample locations. Samples from test pits TP120B-1 and TP120B-2 had lead concentrations that were in the several hundred parts per million. The maximum concentration for lead was 522 mg/Kg at TP120B-2, which is 21 times the TAGM. Copper was the next most frequent metal to exceed its TAGM in the samples. The exceedences for copper, which ranged from 1.7 times to 6.4 times, were found at test pits TP120B-1 and TP120B-2. The other two metals, arsenic and thallium, exceeded the TAGM in only a few samples and the exceedences were relatively low compared to those of lead and copper.

Comparison to Recreational PRGs:

- No Recreational PRGs were exceeded in the soil samples analyzed for explosives, semivolatile organics, and metals.

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 and lead) at SEAD-12OB, the Ovid Road Small Arms Range. At this time, there are an insufficient number of data points to perform a Mini Risk Assessment.

6.0 SEAD-120C - Building 813-817 Paints and Solvents Disposal Areas

6.1 Site Information

This parcel is associated with five buildings in the Q area (Figure 6-1). Buildings 813 and 814 were used for storage and Building 815 was used as a paint shop. Extensive amounts of paint and solvents were used and stored in these facilities. There was no visible evidence of spills or leaks in these buildings during the 1995 EBS inspection. However, interview conducted during the 1995 EBS revealed that unknown quantities of paints and solvents were disposed of into the drainage ditch that flows north, immediately east of Building 813.

Buildings 816 and 817 were associated with a classified mission. The majority of Building 816 was not available for inspection during the EBS. Interview with a radiation protection officer revealed that a potential release of radionuclides occurred within the area of these buildings. Two radiation screening rooms, both with venting leading directly outside the buildings, were also observed. Aerial photograph analysis during the 1995 EBS also revealed disturbed ground directly west of Building 816. A visual inspection of this area during the 1995 EBS confirmed that the area was disturbed. Interviews and records searches did not confirm or deny that burial activities had occurred in this area.

6.2 Investigation Summary

No sampling was conducted at this site (Buildings 813-817) because it is being investigated under the SEAD-12 RI/FS program.

7.0 SEAD-120D - MP Refueling Island in the Q

7.1 Site Information

This parcel is associated with a former Military Police (MP) refueling station located northwest of Building 810 (Figure 7-1). According to the EBS report, two above ground storage tanks (SRNs 50 and 51), which date to 1963, are presently located behind Building 810. Both of these tanks had a 550-gallon capacity and were used to store fuel oil. A visual inspection during the 1995 EBS did not reveal any staining or stressed vegetation. However, interviews with base personnel during the EBS revealed that the MPs fueled their vehicles in this area on daily basis. Interviewees were certain that they had witnessed frequent spilling of petroleum products.

According to SEDA personnel interviewed for this investigation of the moderate EBS sites, the MP refueling island is located approximately 250 feet northwest of Building 810 and, thus, the two above ground fuel oil storage tanks (SRNs 50 and 51) behind Building 810, which were mentioned in the EBS report, were not part of the MP refueling island. According to SEDA personnel, these two tanks are currently located behind Building 810, but they are scheduled to be removed later in 1998.

The purpose of the investigation was to determine if soils near the refueling island have been impacted by contaminants. The constituents of concern are volatile organics, semivolatile organics and TPH in soil.

7.2 Investigation Summary

This site is comprised of a 100-foot by 50-foot former pumping island located at the intersection of the "Q" Partrol Road and Service Road #1, approximately 250 feet northwest of Building 810 (Figure 7-1). A 2,000-gallon gasoline underground storage tank and pumping station were located on this island to provide MPs with fuel for their vehicles if an extended "Q" area lock-up occurred. The underground storage tank and pump were removed in approximately 1988. The island is presently covered with low grass, low brush and gravel.

Two surface soil samples were collected from locations on the island (Figure 7-1). Also, one soil boring was performed on the western (downgradient) portion of the island; the groundwater flow direction is expected to be to the west based on the westwards slope of the ground surface in the area of the refueling island. The rationale for selecting the surface soil and soil boring locations is provided in Table 7-1.

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:

- Two volatile organic compounds, acetone and toluene, were detected in the soil samples. However, none of the concentrations of these volatiles were found above their respective TAGMs; while acetone did exceed the TAGM in one sample, its concentration in the duplicate sample was well below the TAGM. Both acetone and toluene are potential laboratory contaminants.

- The semivolatile organic compounds detected in the samples included mostly PAHs and three phthalate compounds. Two of the PAHs, benzo(a)pyrene and dibenz(a)anthracene, exceeded their respective TAGMs in soil. The exceedences for these compounds were found in both surface soil samples, however, only dibenz(a,h)anthracene exceeded the TAGM in the surface soil sample taken at the soil boring. The magnitudes of the two PAH exceedences were generally between 1.2 and 1.6 times in the samples, however, in the surface soil sample at SS120D-2 the exceedences were 3.3 times and 6.6 times the TAGM.

- TPH were found in the two surface soil samples and the surface sample collected at the soil boring; TPH was not found in the subsurface sample at the soil boring. The concentrations detected ranged from 43.6 mg/Kg to 181 mg/Kg. There is no TAGM for TPH.

Comparison to Recreational PRGs:

- None of the concentrations of volatile organics and semivolatile organics exceeded established Recreational PRGs.

Recommendation: Based on professional judgment, it is recommended that final actions for SEAD-120D, 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.

8.0 SEAD-120E - Near Building 2131, Possible DDT Disposal

8.1 Site Information

This parcel is associated with debris east of Booster Station 2131 and a possible DDT disposal area (Figure 8-1). This area corresponds with one of the previously identified SWMUs (SEAD-58). An ESI conducted by Engineering Science, Inc. indicates that the soils, groundwater, and surface water have not been impacted by any of the constituents for which analyses were conducted. The sediment in the drainage swales in the area is the only medium that has been impacted by releases of PAHs.

The purpose of the investigation was to use geophysics to locate an area that is the possible DDT disposal area and to determine if soil in this area has been impacted by pesticides. In addition, impacts to sediment in nearby drainage ditches were investigated. The constituents of concern are pesticides in soil and sediment.

8.2 Investigation Summary

This site is associated with Booster Station 2131, which is near the western boundary of the Depot (Figure 8-1). A visual inspection of the area verified the debris pile to the east of the building, which was described in the EBS report. The pile consisted of gravel and construction debris. Many underground utilities are located in the area immediately surrounding the building. A mowed area, which has traces of construction debris (e.g., scrap piping, lumber, concrete fragments) on the ground surface, extends approximately 50 feet north of the access road to Building 2131. The mowed area is bordered on the north side by a drainage ditch that is next to thick woods. The drainage ditch appeared to collect water from areas near Building 2131 and discharge it both to the east, toward a small brook, and to the west, toward another ditch along

West Patrol Road. Surface water in the ditch along West patrol Road appeared to flow south along the road and discharge into Kendaia Creek.

An EM-31 survey was performed over an area approximately 200 feet long by 200 feet wide, located in the area surrounding Building 2131. This area is suspected to have been the site of DDT disposal. 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 surveyed and referenced to the New York State Plane coordinate system. 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 Figures 8-2 and 8-3. Figure 8-2 shows the measured apparent ground conductivity and Figure 8-3 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 variations observed in the EM data.

No prominent EM anomalies are visible in either the apparent ground conductivity data or in the in-phase response data that could be associated with disposal locations. A linear anomaly of high apparent ground conductivity and high in-phase response measurements is visible from the eastern wall of Building 2131 to the eastern boundary of the surveyed area. This anomaly is presumably associated with buried utilities, which are known to be present in the area of this feature. Variations in both the apparent ground conductivity and the in-phase response measurements observed in the vicinity of Building 2131 are caused by the building itself. Two additional anomalies, both in the southwestern portion of the surveyed area, are associated with anthropogenic features observed during the survey (a Kendaia Creek overpass for West Patrol Road and the SEDA property fence). No anomalies were observed that could be associated with the burial of metallic debris or the disposal of DDT.

Two soil samples were collected from a soil boring performed at a location north of Building 2131. The soil boring location was chosen because it was the only place where a small magnetic anomaly was found during a sweep of the open area north of the building using a Fisher TW6 hand-held metal detector. The instrument was set at maximum sensitivity and registered a small needle deflection in this location. The presence of the small anomaly, which was location in an open grassy area that would have been easily accessible for digging, suggested that this location was the best candidate for potential burial of the DDT, given that no significant anomalies were found in the EM-31 survey. The potential that the DDT burial occurred in the immediate vicinity of the building and to the east of the building is low because of the buried utilities. In addition, three sediment samples were collected in the drainage ditches that surround the soil boring (Figure 8-1). The rationale for selecting the boring and sediment sample locations is provided in Table 8-1.

The results of the laboratory analyses are presented in Tables 8-2 through 8-4. These results were compared to NYSDEC TAGMs and NYS sediment criteria; no PRGs have been established for sediment. The results of the comparisons are given below.

Comparison to Soil TAGMs and Sediment Criteria:

- No pesticide compounds were found at concentrations above their respective TAGMs. However, four compounds (4,4'-DDT, alpha-chlordane, endosulfan II, and heptachlor expoxide) were found in the surface soil sample SB120E-1 at estimated concentrations that were well below the TAGMs.

- No pesticide compounds were found at concentrations above their respective NYS sediment criteria, however, three compounds (4,4'-DDD, 4,4'-DDE, and 4,4'-DDT) were detected, mostly at estimated concentrations.

Comparison to Recreational PRGs:

- None of the concentrations of pesticides found in the soil exceeded the Recreational PRGs.

- No Recreational PRGs have been established for sediment.

Recommendation: Based on professional judgment, it is recommended that final actions for SEAD-120E, 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.

9.0 SEAD-120F - Munitions Burial Sites, South End of the Main Depot

9.1 Site Information

This parcel is associated with an area that is suspected to be an ammunition burial/disposal area. Interviews conducted during the 1995 EBS identified that burial of ammunitions took place in this general location (Figure 9-1).

The purpose of the investigation was to use geophysics to identify potential munitions burial sites in the south end of the Main Depot. No sampling or analyses were proposed at the site or in the nearby areas (i.e., Silver Creek) for this field investigation because the potential munitions burial sites have not yet been identified by the geophysical survey.

9.2 Investigation Summary

The site is located in the southern portion of the Depot (Figure 9-1). The site is comprised of an approximately 1,300-foot by 600-foot rectangular area that trends southeast-northwest in an area of dense brush and other vegetation. This open area is bounded on the north by storage igloos, on the east by Sliver Creek, to the south by railroad tracks, and to the west by the Munitions Washout Facility (SEAD-4).

The field program consisted of an EM-31 geophysical survey of the rectangular area (approximately 600 feet by 1,400 feet) located to the east of the former munitions washout building (Figure 9-1). This area is suspected to have been the site of munitions burials. The EM-31 survey was performed by collecting EM measurements every one second along parallel, northeast-southwest oriented survey lines. These lines were spaced 20 feet apart. The local grid system that was used to reference the EM-31 survey was surveyed and referenced to the New

York State Plane coordinate system. 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 Figures 9-2 and 9-3. Figure 9-2 shows the measured apparent ground conductivity and Figure 9-3 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 variations observed in the EM data.

No prominent EM anomalies are visible in either the apparent ground conductivity data or in the in-phase response data. Three areas with slightly increased apparent ground conductivity were identified, one in the northwestern corner of the surveyed area, one in the eastern-central portion of the surveyed area, and one in the southern corner of the surveyed area. There are no associated anomalies visible in the in-phase data for any of these areas, and these slight increases in the measured apparent ground conductivity are interpreted to be caused by an increase in the overburden thickness and/or by an increase in the soil moisture content. No anomalies were observed that could be associated with the burial of metal cased munitions.

Recommendation: Based on the results of the geophysical survey, it is recommended that final actions for SEAD-120F, 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-120G - Mounds at the Duck Ponds

10.1 Site Information

This parcel is associated with several areas of mounds located at the Duck Ponds area (Figure 10-1). One area [109(7))] consists of earthen mounds that may be related to a small arms range that was reported in this area. It could not be determined if these mounds were in fact the location of a small arms range that was reported in an interview during the 1995 EBS. Therefore, an accurate designation of this area could not be determined in the EBS.

The other three areas [110 (7), 111(7), and 112(7)] are suspected mounds in the Duck Ponds Area that were observed during the 1995 EBS. The contents of these mounds could not be determined during the EBS.

The purpose of the investigation was to determine if soils in the mounds at the Duck Ponds Area have been impacted by contaminants. Because there are numerous mounds at the Duck Ponds, the approach was to investigate 5 representative mounds, based on the potential for impacts given the observed surface indicators (i.e., debris and stressed vegetation), and secondly based on the geographic distribution within the Duck Ponds Area. Three of these mounds (mentioned above) were previously identified in the EBS report. The constituents of concern are volatile organics, semivolatile organics, TPH, metals, and pesticides/PCBs in soil.

10.2 Investigation Summary

The site is comprised of a large area surrounding the Duck Ponds, which extends to the west to the Ammo Area perimeter. Throughout this area are numerous earthen mounds and berms ranging from minor ground disturbances to a pile of soil 30-feet high. According to SEDA

personnel, these mounds were made during an extensive history of road building, land clearing and other excavation activities at the Depot over the past 45 years; included in this was the construction of the Duck Ponds. In interviews, SEDA personnel described a standard practice of skimming and stockpiling topsoil into mounds for future use during road and facility construction. Material excavated from the Duck Ponds was deposited to form some of the mounds in the area. In addition, staging areas were formed along East Patrol Road by grading the land surface, which formed berms on the flanks of the staging areas.

The field program included five test pits in five separate mounds. Two soil samples were collected from each pit (Figure 10-1). Three of the mounds chosen for test pitting were identified in the EBS report (and noted above), and the other two mounds/disturbed areas were identified during the site inspection. These two mounds/areas were chosen to be investigated because they were in areas of the site that would provide good geographic coverage of the Duck Ponds area, considering that no other mounds in the Duck Ponds area showed significantly greater evidence for impacts based on surface observations. All five of the mounds investigated are well distributed throughout the Duck Ponds Area. The rationale for choosing these sample locations is provided in Table 10-1.

No mounds were left uninvestigated that showed a greater potential for having impacts (based on observation of the surface of the mounds) so that better geographic coverage could be obtained. Geographic coverage was considered only after determining that there were no mounds believed to be more impacted than others, based on the types of surface debris noted of the presence of stressed vegetation.

The results of the laboratory analyses are presented in Tables 10-2 through 10-9. These results were compared to NYSDEC TAGMs and Recreational PRGs. The results of the comparisons are given below.

Comparison to TAGMs:

- No volatile organic compounds were exceeded their respective TAGMs in the soil samples.
- No semivolatile organic compounds exceeded their respective TAGMs in surface or subsurface soil. The semivolatile compounds detected were mostly PAHs (nearly all at estimated concentrations). Also, several phthalate compounds were found in many of the samples (again, mostly at estimated concentrations).
- TPH concentrations were below the detection limit in all samples, with the exception of one sample. This sample had a concentration that was near the detection limit for the method. There is no TAGM for TPH.
- Five metals exceeded their respective TAGMs, however, the magnitudes of these exceedences were relatively low. The exceedences for the metals (aluminum, arsenic, lead, manganese, and thallium) were generally less than two times their respective TAGMs. The magnitude of these metals exceedences suggests that they may be due to natural variability of the concentrations of these metals in the soil.
- No pesticides or PCBs were detected in the soil samples collected at the mounds.

Comparison to Recreational PRGs:

- None of the concentrations of volatile organics, semivolatile organics, metals or pesticides and PCBs exceeded their respective Recreational 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.

11.0 SEAD-120H - Building 810

11.1 Site Information

Building 810 was not inspected during the 1995 EBS because access to the entire site was denied based on the classified mission of the building (Figure 11-1).

11.2 Investigation Summary

No sampling was performed at this site because it is being investigated under the SEAD-12 RI/FS program.

12.0 SEAD-120I - Building 819, A0101 and A0102

12.1 Site Information

During the EBS, a visual inspection of Building 819 was performed, but its mission could not be described (Figure 12-1). A visual inspection was attempted of the ammunition storage igloos A0101 and A0102 and the surrounding area, however, access to this area was denied based on the classified mission of the area.

12.2 Investigation Summary

No sampling was performed at this site. Building 819 is being investigated under the SEAD-12 RI/FS program. Igloos A0101 and A0102 are not currently included in the SEAD-12 RI/FS Workplan, but they will be added to the work to be conducted at SEAD-12.

13.0 SEAD-120J - Farmer's Dump

13.1 Site Information

This parcel is associated with a location that was reported to have been used for dumping by a local farmer (Figure 13-1). The dumping location was reported to be west of the main Depot along Kendaia Creek.

The purpose of the investigation was to determine if surface soils within the Farmer's Dump have been impacted by oil or hazardous materials. The constituents of concern are volatile organics, semivolatile organics, TPH, metals, pesticides/PCBs, and herbicides in surface soil.

13.2 Investigation Summary

The site is located on the north side of Kendaia Creek, approximately 1,800 feet west of Route 96A (Figure 13-1). It is characterized by a dumping area along an approximately 400-foot long section of an escarpment along Kendaia Creek; the dumping area was clearly apparent using visual observation. The debris in the dumping area, however, was generally concentrated in two areas, which are marked by an "x" on Figure 13-1. The dumping in the western location spans approximately 80 feet of a 28-foot-high wooded ravine along Kendaia Creek. The extent of the dumping in the eastern location was smaller. In these two locations, the debris consists of scattered bottles, cans, broken tools, construction debris, and animal carcasses (i.e., pig body parts). With the exception of some soda cans and the pig carcasses, the rest of the debris appeared to have been dumped at these locations at least several years ago; the pig carcasses are believed to have been dumped more recently based on the strong odor in the air. These dumping locations appear to have been chosen because the ravine is steeper and wider in these areas than in the surrounding areas, which allowed more debris to be dumped.

Five surface soil samples were collected from locations immediately downgradient of the dumping areas along the escarpment (Figure 13-1). The areas were chosen because they were locations where there was significantly more debris compared to other areas, and because the contents of the debris indicated that there was a potential for a release of oil or hazardous materials. The rationale for the sample locations is provided in Table 13-1.

The results of the laboratory analyses are presented in Tables 13-2 through 13-11. These results were compared to NYSDEC TAGMs and Recreational 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 two compounds (acetone and toluene) were found in the samples. Acetone was found in one sample, but it was also found in the laboratory blank sample. Toluene was found at estimated concentrations in all of the samples. These two compounds are likely to be laboratory contaminants.

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

- TPH were found in three of the four samples at concentrations that were between 23.7 mg/Kg and 71.4 mg/Kg. The one sample that did not contain detectable concentrations of TPH was SS120J-3. No TAGM has been established for TPH.

- Three metals were found at concentrations that exceeded their respective TAGMs. Among these, lead was found to exceed the TAGM in all five samples. Its TAGM exceedences ranged between 1.2 times and 5.9 times. The two other metals, copper and zinc, exceeded their TAGMs in only one sample (SS120J-3), and the exceedences were approximately 2 times the TAGM.

- None of the pesticides detected on the site were found at concentrations above their respective TAGMs. The pesticide compound 4,4'-DDT was detected in two of the soil samples (SS120J-2 and SS120J-3) at estimated concentrations that were well below the TAGM. The compound 4,4'-DDE was found in only one sample (SS120J-3), also at an estimated concentration that was well below the TAGM.

- No herbicides were found at concentrations above the detection limits.

Comparison to Recreational PRGs:

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

Recommendation: Based on professional judgment it is recommended that final actions for SEAD-120J, 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. In addition, any future use of this site should consider the presence of the trash and animal carcasses (i.e., odor nuisance).

References

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

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

TABLES

SEAD-68

Old Pest Control Shop (Building S-335)

Table 3-1

Sample Collection Information
SEAD-68 - Old Pest Control Shop (Building S-335)

12 Moderate 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	SS68-1	EB142	3/10/98	0.0	0.2	SA	Location is east of the garage door on the southern corner of the building. This is a potential discharge location outside the building because of its close proximity to the bay door
SURFACE SOIL	SS68-2	EB143	3/10/98	0.0	0.2	SA	Location is immediately outside the door on the southeastern side of the building. This is a potential discharge location outside the building because of its close proximity to the doorway
SURFACE SOIL	SS68-3	EB144	3/10/98	0.0	0.2	SA	Location is immediately outside the door on the northeastern side of the building. This is a potential discharge location outside the building because of its proximity to the doorway
SURFACE SOIL	SS68-4	EB145	3/10/98	0.0	0.2	SA	Location is near an outside corner of the building, north of the door on the northwestern side of the building. This is a potential discharge location outside the building because of its proximity to the doorway.
SURFACE SOIL	SS68-5	EB146	3/10/98	0.0	0.2	SA	Location is west of the garage door on the western corner of the building. This is a potential discharge location outside the building because of its close proximity to the doorway.
SOIL	SB68-1	EB250	3/16/98	0.0	0.3	SA	Location is east of the garage door on the southern side of the building. This is a potential discharge location outside the building because of its proximity to the doorway, and its downgradient location.

Table 3-1

Sample Collection Information
SEAD-68 - Old Pest Control Shop (Building S-335)

12 Moderate 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	SB68-1	EB251	3/16/98	4.5	4.8	SA	Same location as above; sample collected at bottom of boring because of shallow depth to bedrock and no impacts to subsurface soils.
SOIL	SB68-2	EB248	3/16/98	0.0	0.2	SA	Location is west of the garage door on the western corner of the building. This is a potential discharge location outside the building because of its close proximity to the doorway, and its downgradient location.
SOIL	SB68-2	EB249	3/16/98	4.0	4.4	SA	Same location as above; sample collected at bottom of boring because of shallow depth to bedrock, and no impact to subsurface soil was observed.
WATER	SS68-1	EB031	3/20/98	0.0	0.0	RB	NA

Notes:
SA = Sample
RB = Rinse Blank
NA = Not Applicable

Table 3-2
68 - Volatiles in Soil vs TAGMs
Non-Evaluated EBS Sites

SITE:				SEAD-68		SEAD-68		SEAD-68		SEAD-68		SEAD-68	
DESCRIPTION:				Old Pesticide Control Shop (Bldg. S-335)		Old Pesticide Control Shop (Bldg. S-335)		Old Pesticide Control Shop (Bldg. S-335)		Old Pesticide Control Shop (Bldg. S-335)		Old Pesticide Control Shop (Bldg. S-335)	
LOC ID:				SB68-1		SB68-1		SB68-2		SB68-2		SS68-1	
SAMP_ID:				EB250		EB251		EB248		EB249		EB142	
QC CODE:				SA		SA		SA		SA		SA	
SAMP. DETH TOP:				0		4.5		0		4		0	
SAMP. DEPTH BOT:				0.3		4.8		0.2		4.4		0.2	
MATRIX:				SOIL		SOIL		SOIL		SOIL		SOIL	
SAMP. DATE:				3/16/98		3/16/98		3/16/98		3/16/98		3/10/98	
PARAMETER	UNIT	TAGM	PRG-IND	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q
1,1,1-Trichloroethane	UG/KG	800	18396000	11	U	11	U	11	U	10	U	11	U
1,1,2,2-Tetrachloroethane	UG/KG	600	286160	11	U	11	U	11	U	10	U	11	U
1,1,2-Trichloroethane	UG/KG		100407	11	U	11	U	11	U	10	U	11	U
1,1-Dichloroethane	UG/KG	200	52560000	11	U	11	U	11	U	10	U	11	U
1,1-Dichloroethene	UG/KG	400	9539	11	U	11	U	11	U	10	U	11	U
1,2-Dichloroethane	UG/KG	100	62892	11	U	11	U	11	U	10	U	11	U
1,2-Dichloroethene (total)	UG/KG			11	U	11	U	11	U	10	U	11	U
1,2-Dichloropropane	UG/KG		84165	11	U	11	U	11	U	10	U	11	U
Acetone	UG/KG	200	52560000	28		41		11	U	24		7	JB
Benzene	UG/KG	60	197352	11	U	2	J	11	U	2	J	11	U
Bromodichloromethane	UG/KG		92310	11	U	11	U	11	U	10	U	11	U
Bromoform	UG/KG		724456	11	U	11	U	11	U	10	U	11	U
Carbon disulfide	UG/KG	2700	52560000	11	U	11	U	11	U	10	U	11	U
Carbon tetrachloride	UG/KG	600	44025	11	U	11	U	11	U	10	U	11	U
Chlorobenzene	UG/KG	1700	10512000	11	U	11	U	11	U	10	U	11	U
Chlorodibromomethane	UG/KG		68133	11	U	11	U	11	U	10	U	11	U
Chloroethane	UG/KG	1900	210240000	11	U	11	U	11	U	10	U	11	U
Chloroform	UG/KG	300	938230	11	U	4	J	11	U	10	U	11	U
Cis-1,3-Dichloropropene	UG/KG			11	U	11	U	11	U	10	U	11	U
Ethyl benzene	UG/KG	5500	52560000	11	U	11	U	11	U	10	U	11	U
Methyl bromide	UG/KG		751608	11	U	11	U	11	U	10	U	11	U
Methyl butyl ketone	UG/KG			11	U	11	U	11	U	10	U	11	U
Methyl chloride	UG/KG		440246	11	U	11	U	11	U	10	U	11	U
Methyl ethyl ketone	UG/KG	300		11	U	11	U	11	U	10	U	11	U
Methyl isobutyl ketone	UG/KG	1000	42048000	11	U	11	U	11	U	10	U	11	U
Methylene chloride	UG/KG	100	763093	11	U	11	U	11	U	10	U	11	U
Styrene	UG/KG			11	U	11	U	11	U	10	U	11	U
Tetrachloroethene	UG/KG	1400	110062	11	U	11	U	11	U	10	U	11	U
Toluene	UG/KG	1500	105120000	9	J	21		30		56		8	J
Total Xylenes	UG/KG	1200	1051200000	11	U	11	U	2	J	5	J	11	U
Trans-1,3-Dichloropropene	UG/KG			11	U	11	U	11	U	10	U	11	U
Trichloroethene	UG/KG	700	520291	11	U	11	U	11	U	5	J	11	U
Vinyl chloride	UG/KG	200	3012	11	U	11	U	11	U	10	U	11	U

Table 3-2
68 - Volatiles in Soil vs TAGMs
Non-Evaluated EBS Sites

SITE:				SEAD-68		SEAD-68		SEAD-68		SEAD-68	
DESCRIPTION:				Old Pesticide Control Shop (Bldg. S-335)		Old Pesticide Control Shop (Bldg. S-335)		Old Pesticide Control Shop (Bldg. S-335)		Old Pesticide Control Shop (Bldg. S-335)	
LOC ID:				SS68-2		SS68-3		SS68-4		SS68-5	
SAMP_ID:				EB143		EB144		EB145		EB146	
QC CODE:				SA		SA		SA		SA	
SAMP. DETH TOP:				0		0		0		0	
SAMP. DEPTH BOT:				0.2		0.2		0.2		0.2	
MATRIX:				SOIL		SOIL		SOIL		SOIL	
SAMP. DATE:				3/10/98		3/10/98		3/10/98		3/10/98	
PARAMETER	UNIT	TAGM	PRG-IND	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q
1,1,1-Trichloroethane	UG/KG	800	18396000		12 U		12 U		13 U		11 U
1,1,2,2-Tetrachloroethane	UG/KG	600	286160		12 U		12 U		13 U		11 U
1,1,2-Trichloroethane	UG/KG		100407		12 U		12 U		13 U		11 U
1,1-Dichloroethane	UG/KG	200	52560000		12 U		12 U		13 U		11 U
1,1-Dichloroethene	UG/KG	400	9539		12 U		12 U		13 U		11 U
1,2-Dichloroethane	UG/KG	100	62892		12 U		12 U		13 U		11 U
1,2-Dichloroethene (total)	UG/KG				12 U		12 U		13 U		11 U
1,2-Dichloropropane	UG/KG		84165		12 U		12 U		13 U		11 U
Acetone	UG/KG	200	52560000		12 U		12 U		13 U		8 JB
Benzene	UG/KG	60	197352		12 U		12 U		13 U		11 U
Bromodichloromethane	UG/KG		92310		12 U		12 U		13 U		11 U
Bromoform	UG/KG		724456		12 U		12 U		13 U		11 U
Carbon disulfide	UG/KG	2700	52560000		12 U		12 U		13 U		11 U
Carbon tetrachloride	UG/KG	600	44025		12 U		12 U		13 U		11 U
Chlorobenzene	UG/KG	1700	10512000		12 U		12 U		13 U		11 U
Chlorodibromomethane	UG/KG		68133		12 U		12 U		13 U		11 U
Chloroethane	UG/KG	1900	210240000		12 U		12 U		13 U		11 U
Chloroform	UG/KG	300	938230		12 U		12 U		13 U		11 U
Cis-1,3-Dichloropropene	UG/KG				12 U		12 U		13 U		11 U
Ethyl benzene	UG/KG	5500	52560000		12 U		12 U		13 U		11 U
Methyl bromide	UG/KG		751608		12 U		12 U		13 U		11 U
Methyl butyl ketone	UG/KG				12 U		12 U		13 U		11 U
Methyl chloride	UG/KG		440246		12 U		12 U		13 U		11 U
Methyl ethyl ketone	UG/KG	300			12 U		12 U		13 U		11 U
Methyl isobutyl ketone	UG/KG	1000	42048000		12 U		12 U		13 U		11 U
Methylene chloride	UG/KG	100	763093		12 U		12 U		13 U		11 U
Styrene	UG/KG				12 U		12 U		13 U		11 U
Tetrachloroethene	UG/KG	1400	110062		12 U		12 U		13 U		11 U
Toluene	UG/KG	1500	105120000		12 U		12 U		4 J		2 J
Total Xylenes	UG/KG	1200	1051200000		12 U		12 U		13 U		11 U
Trans-1,3-Dichloropropene	UG/KG				12 U		12 U		13 U		11 U
Trichloroethene	UG/KG	700	520291		12 U		12 U		13 U		11 U
Vinyl chloride	UG/KG	200	3012		12 U		12 U		13 U		11 U

Table 3-3
68 - Volatiles in Soil vs PRG-IND
Non-Evaluated EBS Sites

SITE:				SEAD-68		SEAD-68		SEAD-68		SEAD-68		SEAD-68	
DESCRIPTION:				Old Pesticide Control Shop (Bldg. S-335)		Old Pesticide Control Shop (Bldg. S-335)		Old Pesticide Control Shop (Bldg. S-335)		Old Pesticide Control Shop (Bldg. S-335)		Old Pesticide Control Shop (Bldg. S-335)	
LOC ID:				SB68-1		SB68-1		SB68-2		SB68-2		SS68-1	
SAMP_ID:				EB250		EB251		EB248		EB249		EB142	
QC CODE:				SA		SA		SA		SA		SA	
SAMP. DETH TOP:				0		4.5		0		4		0	
SAMP. DEPTH BOT:				0.3		4.8		0.2		4.4		0.2	
MATRIX:				SOIL		SOIL		SOIL		SOIL		SOIL	
SAMP. DATE:				3/16/98		3/16/98		3/16/98		3/16/98		3/10/98	
PARAMETER	UNIT	TAGM	PRG-IND	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q
1,1,1-Trichloroethane	UG/KG	800	18396000		11 U		11 U		11 U		10 U		11 U
1,1,2,2-Tetrachloroethane	UG/KG	600	286160		11 U		11 U		11 U		10 U		11 U
1,1,2-Trichloroethane	UG/KG		100407		11 U		11 U		11 U		10 U		11 U
1,1-Dichloroethane	UG/KG	200	52560000		11 U		11 U		11 U		10 U		11 U
1,1-Dichloroethene	UG/KG	400	9539		11 U		11 U		11 U		10 U		11 U
1,2-Dichloroethane	UG/KG	100	62892		11 U		11 U		11 U		10 U		11 U
1,2-Dichloroethene (total)	UG/KG				11 U		11 U		11 U		10 U		11 U
1,2-Dichloropropane	UG/KG		84165		11 U		11 U		11 U		10 U		11 U
Acetone	UG/KG	200	52560000		28		41		11 U		24		7 JB
Benzene	UG/KG	60	197352		11 U		2 J		11 U		2 J		11 U
Bromodichloromethane	UG/KG		92310		11 U		11 U		11 U		10 U		11 U
Bromoform	UG/KG		724456		11 U		11 U		11 U		10 U		11 U
Carbon disulfide	UG/KG	2700	52560000		11 U		11 U		11 U		10 U		11 U
Carbon tetrachloride	UG/KG	600	44025		11 U		11 U		11 U		10 U		11 U
Chlorobenzene	UG/KG	1700	10512000		11 U		11 U		11 U		10 U		11 U
Chlorodibromomethane	UG/KG		68133		11 U		11 U		11 U		10 U		11 U
Chloroethane	UG/KG	1900	210240000		11 U		11 U		11 U		10 U		11 U
Chloroform	UG/KG	300	938230		11 U		4 J		11 U		10 U		11 U
Cis-1,3-Dichloropropene	UG/KG				11 U		11 U		11 U		10 U		11 U
Ethyl benzene	UG/KG	5500	52560000		11 U		11 U		11 U		10 U		11 U
Methyl bromide	UG/KG		751608		11 U		11 U		11 U		10 U		11 U
Methyl butyl ketone	UG/KG				11 U		11 U		11 U		10 U		11 U
Methyl chloride	UG/KG		440246		11 U		11 U		11 U		10 U		11 U
Methyl ethyl ketone	UG/KG	300			11 U		11 U		11 U		10 U		11 U
Methyl isobutyl ketone	UG/KG	1000	42048000		11 U		11 U		11 U		10 U		11 U
Methylene chloride	UG/KG	100	763093		11 U		11 U		11 U		10 U		11 U
Styrene	UG/KG				11 U		11 U		11 U		10 U		11 U
Tetrachloroethene	UG/KG	1400	110062		11 U		11 U		11 U		10 U		11 U
Toluene	UG/KG	1500	105120000		9 J		21		30		56		8 J
Total Xylenes	UG/KG	1200	1051200000		11 U		11 U		2 J		5 J		11 U
Trans-1,3-Dichloropropene	UG/KG				11 U		11 U		11 U		10 U		11 U
Trichloroethene	UG/KG	700	520291		11 U		11 U		11 U		5 J		11 U
Vinyl chloride	UG/KG	200	3012		11 U		11 U		11 U		10 U		11 U

Table 3-3
68 - Volatiles in Soil vs PRG-IND
Non-Evaluated EBS Sites

SITE:				SEAD-68		SEAD-68		SEAD-68		SEAD-68	
DESCRIPTION:				Old Pesticide Control Shop (Bldg. S-335)		Old Pesticide Control Shop (Bldg. S-335)		Old Pesticide Control Shop (Bldg. S-335)		Old Pesticide Control Shop (Bldg. S-335)	
LOC ID:				SS68-2		SS68-3		SS68-4		SS68-5	
SAMP_ID:				EB143		EB144		EB145		EB146	
QC CODE:				SA		SA		SA		SA	
SAMP. DETH TOP:				0		0		0		0	
SAMP. DEPTH BOT:				0.2		0.2		0.2		0.2	
MATRIX:				SOIL		SOIL		SOIL		SOIL	
SAMP DATE:				3/10/98		3/10/98		3/10/98		3/10/98	
PARAMETER	UNIT	TAGM	PRG-IND	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q
1,1,1-Trichloroethane	UG/KG	800	18396000		12 U		12 U		13 U		11 U
1,1,2,2-Tetrachloroethane	UG/KG	600	286160		12 U		12 U		13 U		11 U
1,1,2-Trichloroethane	UG/KG		100407		12 U		12 U		13 U		11 U
1,1-Dichloroethane	UG/KG	200	52560000		12 U		12 U		13 U		11 U
1,1-Dichloroethene	UG/KG	400	9539		12 U		12 U		13 U		11 U
1,2-Dichloroethane	UG/KG	100	62892		12 U		12 U		13 U		11 U
1,2-Dichloroethene (total)	UG/KG				12 U		12 U		13 U		11 U
1,2-Dichloropropane	UG/KG		84165		12 U		12 U		13 U		11 U
Acetone	UG/KG	200	52560000		12 U		12 U		13 U		8 JB
Benzene	UG/KG	60	197352		12 U		12 U		13 U		11 U
Bromodichloromethane	UG/KG		92310		12 U		12 U		13 U		11 U
Bromoform	UG/KG		724456		12 U		12 U		13 U		11 U
Carbon disulfide	UG/KG	2700	52560000		12 U		12 U		13 U		11 U
Carbon tetrachloride	UG/KG	600	44025		12 U		12 U		13 U		11 U
Chlorobenzene	UG/KG	1700	10512000		12 U		12 U		13 U		11 U
Chlorodibromomethane	UG/KG		68133		12 U		12 U		13 U		11 U
Chloroethane	UG/KG	1900	210240000		12 U		12 U		13 U		11 U
Chloroform	UG/KG	300	938230		12 U		12 U		13 U		11 U
Cis-1,3-Dichloropropene	UG/KG				12 U		12 U		13 U		11 U
Ethyl benzene	UG/KG	5500	52560000		12 U		12 U		13 U		11 U
Methyl bromide	UG/KG		751608		12 U		12 U		13 U		11 U
Methyl butyl ketone	UG/KG				12 U		12 U		13 U		11 U
Methyl chloride	UG/KG		440246		12 U		12 U		13 U		11 U
Methyl ethyl ketone	UG/KG	300			12 U		12 U		13 U		11 U
Methyl isobutyl ketone	UG/KG	1000	42048000		12 U		12 U		13 U		11 U
Methylene chloride	UG/KG	100	763093		12 U		12 U		13 U		11 U
Styrene	UG/KG				12 U		12 U		13 U		11 U
Tetrachloroethene	UG/KG	1400	110062		12 U		12 U		13 U		11 U
Toluene	UG/KG	1500	105120000		12 U		12 U		4 J		2 J
Total Xylenes	UG/KG	1200	1051200000		12 U		12 U		13 U		11 U
Trans-1,3-Dichloropropene	UG/KG				12 U		12 U		13 U		11 U
Trichloroethene	UG/KG	700	520291		12 U		12 U		13 U		11 U
Vinyl chloride	UG/KG	200	3012		12 U		12 U		13 U		11 U

Table 3-4
68 - Semivolatiles in Soil vs TAGMs
Non-Evaluated EBS Sites

SITE:				SEAD-68 Old Pesticide Control Shop (Bldg. S-335)		SEAD-68 Old Pesticide Control Shop (Bldg S-335)		SEAD-68 Old Pesticide Control Shop (Bldg. S-335)		SEAD-68 Old Pesticide Control Shop (Bldg. S-335)		SEAD-68 Old Pesticide Control Shop (Bldg. S-335)		SEAD-68 Old Pesticide Control Shop (Bldg. S-335)		SEAD-68 Old Pesticide Control Shop (Bldg. S-335)		SEAD-68 Old Pesticide Control Shop (Bldg. S-335)	
DESCRIPTION																			
LOC ID				SB68-1		SB68-1		SB68-2		SB68-2		SS68-1		SS68-2		SS68-3		SS68-4		SS68-5	
SAMP_ID				EB250		EB251		EB248		EB249		EB142		EB143		EB144		EB145		EB146	
QC CODE				SA		SA		SA		SA		SA		SA		SA		SA		SA	
SAMP DETH TOP				0		4 5		0 2		4		0		0		0		0		0	
SAMP DEPTH BOT				0.3		4 8		0 2		4.4		0.2		0.2		0.2		0 2		0.2	
MATRIX				SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
SAMP DATE				3/16/98		3/16/98		3/16/98		3/16/98		3/10/98		3/10/98		3/10/98		3/10/98		3/10/98	
PARAMETER	UNIT	TAGM	PRG-IND	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	5256000		69 U		69 U		71 U		69 U		140 U		76 U		310 U		410 U		77 U
1,2-Dichlorobenzene	UG/KG	7900	47304000		69 U		69 U		71 U		69 U		140 U		76 U		310 U		410 U		77 U
1,3-Dichlorobenzene	UG/KG	1600	48778400		69 U		69 U		71 U		69 U		140 U		76 U		310 U		410 U		77 U
1,4-Dichlorobenzene	UG/KG	8500	238467		69 U		69 U		71 U		69 U		140 U		76 U		310 U		410 U		77 U
2,4,5-Trichlorophenol	UG/KG	100	52560000		170 U		170 U		170 U		170 U		350 U		180 U		740 U		1000 U		190 U
2,4,6-Trichlorophenol	UG/KG		520291		69 U		69 U		71 U		69 U		140 U		76 U		310 U		410 U		77 U
2,4-Dichlorophenol	UG/KG	400	1576800		69 U		69 U		71 U		69 U		140 U		76 U		310 U		410 U		77 U
2,4-Dimethylphenol	UG/KG		10512000		69 U		69 U		71 U		69 U		140 U		76 U		310 U		410 U		77 U
2,4-Dinitrophenol	UG/KG	200	1051200		170 U		170 U		170 U		170 U		350 U		180 U		740 U		1000 U		190 U
2,4-Dinitrotoluene	UG/KG		1051200		69 U		69 U		71 U		69 U		140 U		76 U		310 U		410 U		77 U
2,6-Dinitrotoluene	UG/KG	1000	525600		69 U		69 U		71 U		69 U		140 U		76 U		310 U		410 U		77 U
2-Chloronaphthalene	UG/KG				69 U		69 U		71 U		69 U		140 U		76 U		310 U		410 U		77 U
2-Chlorophenol	UG/KG	800	2628000		69 U		69 U		71 U		69 U		140 U		76 U		310 U		410 U		77 U
2-Methylnaphthalene	UG/KG	36400			69 U		69 U		4.9 J		69 U		8.7 J		76 U		310 U		310 J		7.9 J
2-Methylphenol	UG/KG	100	26280000		69 U		69 U		71 U		69 U		140 U		76 U		310 U		410 U		77 U
2-Nitroaniline	UG/KG	430	31536		170 U		170 U		170 U		170 U		350 U		180 U		740 U		1000 U		190 U
2-Nitrophenol	UG/KG	330			69 U		69 U		71 U		69 U		140 U		76 U		310 U		410 U		77 U
3,3'-Dichlorobenzidine	UG/KG		12718		69 U		69 U		71 U		69 U		140 U		76 U		310 U		410 U		77 U
3-Nitroaniline	UG/KG	500	1576800		170 U		170 U		170 U		170 U		350 U		180 U		740 U		1000 U		190 U
4,6-Dinitro-2-methylphenol	UG/KG				170 U		170 U		170 U		170 U		350 U		180 U		740 U		1000 U		190 U
4-Bromophenyl phenyl ether	UG/KG		30484800		69 U		69 U		71 U		69 U		140 U		76 U		310 U		410 U		77 U
4-Chloro-3-methylphenol	UG/KG	240			69 U		69 U		71 U		69 U		140 U		76 U		310 U		410 U		77 U
4-Chloroaniline	UG/KG	220	2102400		69 U		69 U		71 U		69 U		140 U		76 U		310 U		410 U		77 U
4-Chlorophenyl phenyl ether	UG/KG				69 U		69 U		71 U		69 U		140 U		76 U		310 U		410 U		77 U
4-Methylphenol	UG/KG	900			69 U		69 U		71 U		69 U		140 U		76 U		310 U		410 U		77 U
4-Nitroaniline	UG/KG		1576800		170 U		170 U		170 U		170 U		350 U		180 U		740 U		1000 U		190 U
4-Nitrophenol	UG/KG	100	31536000		170 U		170 U		170 U		170 U		350 U		180 U		740 U		1000 U		190 U
Acenaphthene	UG/KG	50000			69 U		69 U		71 U		69 U		34 J		4.8 J		49 J		410 U		14 J
Acenaphthylene	UG/KG	41000			69 U		69 U		71 U		69 U		140 U		76 U		310 U		410 U		77 U
Anthracene	UG/KG	50000	157680000		69 U		69 U		6 J		69 U		53 J		7.5 J		97 J		31 J		23 J
Benzo[a]anthracene	UG/KG	224	7840		69 U		7.2 J		46 J		9.6 J	[redacted]			66 J	[redacted]			100 J		130
Benzo[a]pyrene	UG/KG	61	784		69 U		6.7 J		50 J		9 J			[redacted]				[redacted]	J	[redacted]	
Benzo[b]fluoranthene	UG/KG	1100	7840		69 U		7.4 J		68 J		10 J	380		110		940		130 J		170	
Benzo[ghi]perylene	UG/KG	50000			69 U		7.1 J		47 J		12 J	280		84 J		420		110 J		100	
Benzo[k]fluoranthene	UG/KG	1100	78400		69 U		8.2 J		58 J		12 J	480		100		630		150 J		180	
Bis(2-Chloroethoxy)methane	UG/KG				69 U		69 U		71 U		69 U		140 U		76 U		310 U		410 U		77 U
Bis(2-Chloroethyl)ether	UG/KG		5203		69 U		69 U		71 U		69 U		140 U		76 U		310 U		410 U		77 U
Bis(2-Chloroisopropyl)ether	UG/KG		81760		69 U		69 U		71 U		69 U		140 U		76 U		310 U		410 U		77 U
Bis(2-Ethylhexyl)phthalate	UG/KG	50000	408800		4.8 JB		11 JB		27 JB		6.6 JB		110 BJ		14 JB		120 JB		58 JB		150 B
Butylbenzylphthalate	UG/KG	50000	105120000		4.9 J		69 U		6.5 J		69 U		15 J		76 U		18 J		410 U		8.7 J
Carbazole	UG/KG		286160		69 U		69 U		9.3 J		69 U		67 J		13 J		80 J		46 J		36 J
Chrysene	UG/KG	400	784000		4 J		8.6 J		60 J		14 J	[redacted]			94	[redacted]			150 J		160
Di-n-butylphthalate	UG/KG	8100			69 U		4.2 J		3.8 J		69 U		7.3 BJ		76 U		310 U		36 JB		14 JB
Di-n-octylphthalate	UG/KG	50000	10512000		69 U		69 U		71 U		69 U		140 U		76 U		18 J		410 U		77 U
Dibenz[a,h]anthracene	UG/KG	14	784		69 U		5 J	[redacted]			4.8 J			[redacted]				[redacted]	J	[redacted]	
Dibenzofuran	UG/KG	6200	2102400		69 U		69 U		71 U		69 U		13 J		76 U		18 J		43 J		8.6 J
Diethyl phthalate	UG/KG	7100	420480000		6.1 JB		6.5 JB		8.2 JB		5.2 JB		12 BJ		13 JB		23 JB		34 JB		14 JB
Dimethylphthalate	UG/KG	2000	5256000000		69 U		69 U		71 U		69 U		140 U		76 U		310 U		410 U		77 U
Fluoranthene	UG/KG	50000	21024000		6.1 J		14 J		120		23 J		700		150		1500		220 J		320
Fluorene	UG/KG	50000	21024000		69 U		69 U		71 U		69 U		22 J		76 U		34 J		27 J		12 J
Hexachlorobenzene	UG/KG	410	3577		69 U		69 U		71 U		69 U		140 U		76 U		310 U		410 U		77 U
Hexachlorobutadiene	UG/KG		73374		69 U		69 U		71 U		69 U		140 U		76 U		310 U		410 U		77 U
Hexachlorocyclopentadiene	UG/KG		3679200		69 U		69 U		71 U		69 U		140 U		76 U		310 U		410 U		77 U
Hexachloroethane	UG/KG		408800		69 U		69 U		71 U		69 U		140 U		76 U		310 U		410 U		77 U
Indeno[1,2,3-cd]pyrene	UG/KG	3200	7840		69 U		6.6 J		44 J		7.6 J		260		61 J		400		96 J		98
Isophorone	UG/KG	4400			69 U		69 U		71 U		69 U		140 U		76 U		310 U		410 U		77 U
N-Nitrosodiphenylamine	UG/KG		1168000		69 U		69 U		71 U		69 U		140 U		76 U		310 U		410 U		77 U
N-Nitrosodipropylamine	UG/KG		816		69 U		69 U		71 U		69 U		140 U		76 U		310 U		410 U		77 U
Naphthalene	UG/KG	13000	21024000		69 U		69 U		71 U		69 U		140 U		76 U		310 U		78 J		6.5 J
Nitrobenzene	UG/KG	200	262800		69 U		69 U		71 U		69 U		140 U		76 U		310 U		410 U		77 U
Pentachlorophenol	UG/KG	1000	47693		170 U		170 U		170 U		170 U		350 U		180 U		740 U		1000 U		190 U
Phenanthrene	UG/KG	50000			69 U		69 U		42 J		11 J		350		54 J		480		210 J		150
Phenol	UG/KG	30	315360000		69 U		69 U		71 U		69 U		140 U		76 U		310 U		410 U		77 U
Pyrene	UG/KG	50000	15768000		4 3 J		11 J		94		16 J		840		150		1500		260 J		310

SITE				SEAD-68 Old Pesticide Control Shop (Bldg S-335)		SEAD-68 Old Pesticide Control Shop (Bldg S-335)		SEAD-68 Old Pesticide Control Shop (Bldg S-335)		SEAD-68 Old Pesticide Control Shop (Bldg S-335)		SEAD-68 Old Pesticide Control Shop (Bldg. S-335)		SEAD-68 Old Pesticide Control Shop (Bldg. S-335)		SEAD-68 Old Pesticide Control Shop (Bldg. S-335)		SEAD-68 Old Pesticide Control Shop (Bldg. S-335)	
DESCRIPTION																			
LOC ID				SB68-1		SB68-1		SB68-2		SB68-2		SS68-1		SS68-2		SS68-3		SS68-4		SS68-5	
SAMP_ID				EB250		EB251		EB248		EB249		EB142		EB143		EB144		EB145		EB146	
QC CODE				SA		SA		SA		SA		SA		SA		SA		SA		SA	
SAMP DETH TOP				0		4 5		0		4		0		0		0		0		0	
SAMP DEPTH BOT				0 3		4 8		0 2		4 4		0 2		0 2		0.2		0.2		0 2	
MATRIX				SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
SAMP DATE				3/16/98		3/16/98		3/16/98		3/16/98		3/10/98		3/10/98		3/10/98		3/10/98		3/10/98	
PARAMETER	UNIT	TAGM	PRG-IND	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	5256000		69 U		69 U		71 U		69 U		140 U		76 U		310 U		410 U		77 U
1,2-Dichlorobenzene	UG/KG	7900	47304000		69 U		69 U		71 U		69 U		140 U		76 U		310 U		410 U		77 U
1,3-Dichlorobenzene	UG/KG	1600	46778400		69 U		69 U		71 U		69 U		140 U		76 U		310 U		410 U		77 U
1,4-Dichlorobenzene	UG/KG	8500	238467		69 U		69 U		71 U		69 U		140 U		76 U		310 U		410 U		77 U
2,4,5-Trichlorophenol	UG/KG	100	52560000		170 U		170 U		170 U		170 U		350 U		180 U		740 U		1000 U		190 U
2,4,6-Trichlorophenol	UG/KG		520291		69 U		69 U		71 U		69 U		140 U		76 U		310 U		410 U		77 U
2,4-Dichlorophenol	UG/KG	400	1576800		69 U		69 U		71 U		69 U		140 U		76 U		310 U		410 U		77 U
2,4-Dimethylphenol	UG/KG		10512000		69 U		69 U		71 U		69 U		140 U		76 U		310 U		410 U		77 U
2,4-Dinitrophenol	UG/KG	200	1051200		170 U		170 U		170 U		170 U		350 U		180 U		740 U		1000 U		190 U
2,4-Dinitrotoluene	UG/KG		1051200		69 U		69 U		71 U		69 U		140 U		76 U		310 U		410 U		77 U
2,6-Dinitrotoluene	UG/KG	1000	525600		69 U		69 U		71 U		69 U		140 U		76 U		310 U		410 U		77 U
2-Chloronaphthalene	UG/KG				69 U		69 U		71 U		69 U		140 U		76 U		310 U		410 U		77 U
2-Chlorophenol	UG/KG	800	2628000		69 U		69 U		71 U		69 U		140 U		76 U		310 U		410 U		77 U
2-Methylnaphthalene	UG/KG	36400			69 U		69 U		4 9 J		69 U		8 7 J		76 U		310 U		310 J		7 9 J
2-Methylphenol	UG/KG	100	26280000		69 U		69 U		71 U		69 U		140 U		76 U		310 U		410 U		77 U
2-Nitroaniline	UG/KG	430	31536		170 U		170 U		170 U		170 U		350 U		180 U		740 U		1000 U		190 U
2-Nitrophenol	UG/KG	330			69 U		69 U		71 U		69 U		140 U		76 U		310 U		410 U		77 U
3,3 -Dichlorobenzidine	UG/KG		12718		69 U		69 U		71 U		69 U		140 U		76 U		310 U		410 U		77 U
3-Nitroaniline	UG/KG	500	1576800		170 U		170 U		170 U		170 U		350 U		180 U		740 U		1000 U		190 U
4,6-Dinitro-2-methylphenol	UG/KG				170 U		170 U		170 U		170 U		350 U		180 U		740 U		1000 U		190 U
4-Bromophenyl phenyl ether	UG/KG		30484800		69 U		69 U		71 U		69 U		140 U		76 U		310 U		410 U		77 U
4-Chloro-3-methylphenol	UG/KG	240			69 U		69 U		71 U		69 U		140 U		76 U		310 U		410 U		77 U
4-Chloroaniline	UG/KG	220	2102400		69 U		69 U		71 U		69 U		140 U		76 U		310 U		410 U		77 U
4-Chlorophenyl phenyl ether	UG/KG				69 U		69 U		71 U		69 U		140 U		76 U		310 U		410 U		77 U
4-Methylphenol	UG/KG	900			69 U		69 U		71 U		69 U		140 U		76 U		310 U		410 U		77 U
4-Nitroaniline	UG/KG		1576800		170 U		170 U		170 U		170 U		350 U		180 U		740 U		1000 U		190 U
4-Nitrophenol	UG/KG	100	31536000		170 U		170 U		170 U		170 U		350 U		180 U		740 U		1000 U		190 U
Acenaphthene	UG/KG	50000			69 U		69 U		71 U		69 U		34 J		4 8 J		49 J		410 U		14 J
Acenaphthylene	UG/KG	41000			69 U		69 U		71 U		69 U		140 U		76 U		310 U		410 U		77 U
Anthracene	UG/KG	50000	157680000		69 U		69 U		6 J		69 U		53 J		7 5 J		97 J		31 J		23 J
Benzo[a]anthracene	UG/KG	224	7840		69 U		7 2 J		46 J		9 6 J		360		66 J		900		100 J		130
Benzo[a]pyrene	UG/KG	61	784		69 U		6 7 J		50 J		9 J		350		77		770		120 J		130
Benzo[b]fluoranthene	UG/KG	1100	7840		69 U		7 4 J		68 J		10 J		380		110		940		130 J		170
Benzo[ghi]perylene	UG/KG	50000			69 U		7 1 J		47 J		12 J		280		64 J		420		110 J		100
Benzo[k]fluoranthene	UG/KG	1100	78400		69 U		8 2 J		58 J		12 J		460		100		830		150 J		180
Bis(2-Chloroethoxy)methane	UG/KG				69 U		69 U		71 U		69 U		140 U		76 U		310 U		410 U		77 U
Bis(2-Chloroethyl)ether	UG/KG		5203		69 U		69 U		71 U		69 U		140 U		78 U		310 U		410 U		77 U
Bis(2-Chloroisopropyl)ether	UG/KG		81760		69 U		69 U		71 U		69 U		140 U		78 U		310 U		410 U		77 U
Bis(2-Ethylhexyl)phthalate	UG/KG	50000	408800		4 8 JB		11 JB		27 JB		6 6 JB		110 BJ		14 JB		120 JB		58 JB		150 B
Butylbenzylphthalate	UG/KG	50000	105120000		4 9 J		69 U		6 5 J		69 U		15 J		76 U		18 J		410 U		8 7 J
Carbazole	UG/KG		286160		69 U		69 U		9 3 J		69 U		67 J		13 J		80 J		46 J		36 J
Chrysene	UG/KG	400	784000		4 J		8 8 J		60 J		14 J		430		94		1000		150 J		160
Di-n-butylphthalate	UG/KG	8100			69 U		4 2 J		3 8 J		69 U		7 3 BJ		76 U		310 U		36 JB		14 JB
Di-n-octylphthalate	UG/KG	50000	10512000		69 U		69 U		71 U		69 U		140 U		78 U		18 J		410 U		77 U
Dibenz[a,h]anthracene	UG/KG	14	784		69 U		5 J		17 J		4 8 J		110 J		26 J		220 J		50 J		40 J
Dibenzofuran	UG/KG	6200	2102400		69 U		69 U		71 U		69 U		13 J		76 U		18 J		43 J		6 6 J
Diethyl phthalate	UG/KG	7100	420480000		6 1 JB		6 5 JB		8 2 JB		5 2 JB		12 BJ		13 JB		23 JB		34 JB		14 JB
Dimethylphthalate	UG/KG	2000	5256000000		69 U		69 U		71 U		69 U		140 U		76 U		310 U		410 U		77 U
Fluoranthene	UG/KG	50000	21024000		6 1 J		14 J		120		23 J		700		150		1500		220 J		320
Fluorene	UG/KG	50000	21024000		69 U		69 U		71 U		69 U		22 J		78 U		34 J		27 J		12 J
Hexachlorobenzene	UG/KG	410	3577		69 U		69 U		71 U		69 U		140 U		76 U		310 U		410 U		77 U
Hexachlorobutadiene	UG/KG		73374		69 U		69 U		71 U		69 U		140 U		76 U		310 U		410 U		77 U
Hexachlorocyclopentadiene	UG/KG		3679200		69 U		69 U		71 U		69 U		140 U		76 U		310 U		410 U		77 U
Hexachloroethane	UG/KG		408800		69 U		69 U		71 U		69 U		140 U		76 U		310 U		410 U		77 U
Indeno[1,2,3-cd]pyrene	UG/KG	3200	7840		69 U		6 6 J		44 J		7 6 J		260		61 J		400		96 J		96
Isophorone	UG/KG	4400			69 U		69 U		71 U		69 U		140 U		76 U		310 U		410 U		77 U
N-Nitrosodiphenylamine	UG/KG		1168000		69 U		69 U		71 U		69 U		140 U		76 U		310 U		410 U		77 U
N-Nitrosodipropylamine	UG/KG		818		69 U		69 U		71 U		69 U		140 U		78 U		310 U		410 U		77 U
Naphthalene	UG/KG	13000	21024000		69 U		69 U		71 U		69 U		140 U		78 U		310 U		78 J		6 5 J
Nitrobenzene	UG/KG	200	262800		69 U		69 U		71 U		69 U		140 U		78 U		310 U		410 U		77 U
Pentachlorophenol	UG/KG	1000	47693		170 U		170 U		170 U		170 U		350 U		180 U		740 U		1000 U		190 U
Phenanthrene	UG/KG	50000			69 U		69 U		42 J		11 J		350		54 J		480		210 J		150
Phenol	UG/KG	30	315360000		69 U		69 U		71 U		69 U		140 U		78 U		310 U		410 U		77 U
Pyrene	UG/KG	50000	15768000		4 3 J		11 J		94		16 J		840		150		1500		260 J		310

Table 3-6
68 - Pesticides in Soil vs TAGMs
Non-Evaluated EBS Sites

SITE:				SEAD-68		SEAD-68		SEAD-68		SEAD-68		SEAD-68	
DESCRIPTION:				Old Pesticide Control Shop (Bldg. S-335)		Old Pesticide Control Shop (Bldg. S-335)		Old Pesticide Control Shop (Bldg. S-335)		Old Pesticide Control Shop (Bldg. S-335)		Old Pesticide Control Shop (Bldg. S-335)	
LOC ID:				SB68-1		SB68-1		SB68-2		SB68-2		SS68-1	
SAMP_ID:				EB250		EB251		EB248		EB249		EB142	
QC CODE:				SA		SA		SA		SA		SA	
SAMP. DETH TOP:				0		4.5		0		4		0	
SAMP. DEPTH BOT:				0.3		4.8		0.2		4.4		0.2	
MATRIX:				SOIL		SOIL		SOIL		SOIL		SOIL	
SAMP. DATE:				3/16/98		3/16/98		3/16/98		3/16/98		3/10/98	
PARAMETER	UNIT	TAGM	PRG-IND	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q
4,4`-DDD	UG/KG	2900	23847	3.5	U	3.5	U	3.5	U	3.5	U	3.6	U
4,4`-DDE	UG/KG	2100	16833	3.5	U	3.5	U	19		4.2		83	D
4,4`-DDT	UG/KG	2100	16833	3.5	U	3.5	U	22		3.5	U	28	
Aldrin	UG/KG	41	337	1.8	U	1.8	U	1.8	U	1.8	U	1.8	U
Alpha-BHC	UG/KG	110		1.8	U	1.8	U	1.8	U	1.8	U	1.8	U
Alpha-Chlordane	UG/KG			1.8	U	1.8	U	6.2	P	3.7	P	24	D
Beta-BHC	UG/KG	200		1.8	U	1.8	U	1.8	U	1.8	U	1.8	U
Delta-BHC	UG/KG	300		1.8	U	1.8	U	1.8	U	1.8	U	1.8	U
Dieldrin	UG/KG	44	358	3.5	U	3.5	U	3.5	U	3.5	U	3.6	U
Endosulfan I	UG/KG	900	3153600	1.8	U	1.8	U	1.8	U	1.8	U	1.8	U
Endosulfan II	UG/KG	900		3.5	U	3.5	U	3.5	U	3.5	U	3.6	U
Endosulfan sulfate	UG/KG	1000		3.5	U	3.5	U	3.5	U	3.5	U	3.6	U
Endrin	UG/KG	100	157680	3.5	U	3.5	U	3.5	U	3.5	U	3.6	U
Endrin aldehyde	UG/KG		157680	3.5	U	3.5	U	3.5	U	3.5	U	3.6	U
Endrin ketone	UG/KG		157680	3.5	U	3.5	U	3.5	U	3.5	U	2.3	JP
Gamma-BHC/Lindane	UG/KG	60	4402	1.8	U	1.8	U	1.8	U	1.8	U	1.8	U
Gamma-Chlordane	UG/KG	540		1.8	U	1.8	U	7.5		4.4		23	
Heptachlor	UG/KG	100	1272	1.8	U	1.8	U	1.8	U	1.8	U	1.8	U
Heptachlor epoxide	UG/KG	20	629	1.8	U	1.8	U	1.6	J	1.8	U	4	P
Methoxychlor	UG/KG		2628000	18	U	18	U	18	U	18	U	18	U
Toxaphene	UG/KG			180	U	180	U	180	U	180	U	180	U
Azinphos-methyl	UG/KG			35	U	35	U	35	U	35	U	37	U
Bolstar (Sulprofos)	UG/KG			35	U	35	U	35	U	35	U	37	U
Chlorpyrifos	UG/KG			35	U	35	U	35	U	35	U	37	U
Coumaphos	UG/KG			35	U	35	U	35	U	35	U	37	U
Demeton-O	UG/KG			35	U	35	U	35	U	35	U	37	U
Diazinon	UG/KG			35	U	35	U	35	U	35	U	37	U
Dichlorvos (DDVP)	UG/KG			35	U	35	U	35	U	35	U	37	U
Dimethoate	UG/KG			35	U	35	U	35	U	35	U	37	U
Disulfoton	UG/KG			35	U	35	U	35	U	35	U	37	U
EPN	UG/KG			35	U	35	U	35	U	35	U	37	U
Ethoprop	UG/KG			35	U	35	U	35	U	35	U	37	U
Fensulfothion	UG/KG			35	U	35	U	35	U	35	U	37	U
Fenthion	UG/KG			35	U	35	U	35	U	35	U	37	U
Malathion	UG/KG			35	U	35	U	35	U	35	U	37	U
Merphos	UG/KG			35	U	35	U	35	U	35	U	37	U
Methyl parathion	UG/KG		131400	35	U	35	U	35	U	35	U	37	U
Mevinphos	UG/KG			35	U	35	U	35	U	35	U	37	U
Monocrotophos	UG/KG			35	U	35	U	35	U	35	U	37	U
Parathion, ethyl	UG/KG	1200		35	U	35	U	35	U	35	U	37	U
Ronnel	UG/KG			35	U	35	U	35	U	35	U	37	U
Stirophos (Tetrachlorovinphos)	UG/KG			35	U	35	U	35	U	35	U	37	U
Tokuthion (Protothiofos)	UG/KG			35	U	35	U	35	U	35	U	37	U
Trichloronate	UG/KG			35	U	35	U	35	U	35	U	37	U

Table 3-6
68 - Pesticides in Soil vs TAGMs
Non-Evaluated EBS Sites

SITE:				SEAD-68		SEAD-68		SEAD-68		SEAD-68	
DESCRIPTION:				Old Pesticide Control Shop (Bldg. S-335)		Old Pesticide Control Shop (Bldg. S-335)		Old Pesticide Control Shop (Bldg. S-335)		Old Pesticide Control Shop (Bldg. S-335)	
LOC ID:				SS68-2		SS68-3		SS68-4		SS68-5	
SAMP_ID:				EB143		EB144		EB145		EB146	
QC CODE:				SA		SA		SA		SA	
SAMP. DETH TOP:				0		0		0		0	
SAMP. DEPTH BOT:				0.2		0.2		0.2		0.2	
MATRIX:				SOIL		SOIL		SOIL		SOIL	
SAMP. DATE:				3/10/98		3/10/98		3/10/98		3/10/98	
PARAMETER	UNIT	TAGM	PRG-IND	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q
4,4'-DDD	UG/KG	2900	23847	3.8	U	3.9	U	41	U	3.8	U
4,4'-DDE	UG/KG	2100	16833	130	D	26		260		36	
4,4'-DDT	UG/KG	2100	16833	170	D	23		[redacted]	D	330	D
Aldrin	UG/KG	41	337	1.9	U	1.9	U	21	U	1.9	U
Alpha-BHC	UG/KG	110		1.9	U	1.9	U	21	U	1.9	U
Alpha-Chlordane	UG/KG			1.9	U	1.9	U	19	J	1.6	J
Beta-BHC	UG/KG	200		1.9	U	1.9	U	21	U	1.9	U
Delta-BHC	UG/KG	300		1.9	U	1.9	U	21	U	1.9	U
Dieldrin	UG/KG	44	358	3.8	U	3.9	U	41	U	3.8	U
Endosulfan I	UG/KG	900	3153600	1.9	U	1.9	U	21	U	1.9	U
Endosulfan II	UG/KG	900		3.8	U	3.9	U	41	U	3.8	U
Endosulfan sulfate	UG/KG	1000		3.8	U	3.9	U	41	U	3.8	U
Endrin	UG/KG	100	157680	3.8	U	3.9	U	41	U	3.8	U
Endrin aldehyde	UG/KG		157680	3.8	U	3.9	U	41	U	3.8	U
Endrin ketone	UG/KG		157680	3.8	U	3.9	U	41	U	3.8	U
Gamma-BHC/Lindane	UG/KG	60	4402	1.9	U	1.9	U	21	U	1.9	U
Gamma-Chlordane	UG/KG	540		1.9	U	1.9	U	18	J	1.2	JP
Heptachlor	UG/KG	100	1272	1.9	U	1.9	U	21	U	1.9	U
Heptachlor epoxide	UG/KG	20	629	1.3	J	3.6		21	U	1.9	U
Methoxychlor	UG/KG		2628000	19	U	19	U	210	U	19	U
Toxaphene	UG/KG			190	U	190	U	2100	U	190	U
Azinphos-methyl	UG/KG			38	U	37	U	45	U	37	U
Bolstar (Sulprofos)	UG/KG			38	U	37	U	45	U	37	U
Chlorpyrifos	UG/KG			38	U	37	U	45	U	37	U
Coumaphos	UG/KG			38	U	37	U	45	U	37	U
Demeton-O	UG/KG			38	U	37	U	45	U	37	U
Diazinon	UG/KG			38	U	37	U	45	U	37	U
Dichlorvos (DDVP)	UG/KG			38	U	37	U	45	U	37	U
Dimethoate	UG/KG			38	U	37	U	45	U	37	U
Disulfoton	UG/KG			38	U	37	U	45	U	37	U
EPN	UG/KG			38	U	37	U	45	U	37	U
Ethoprop	UG/KG			38	U	37	U	45	U	37	U
Fensulfothion	UG/KG			38	U	37	U	45	U	37	U
Fenthion	UG/KG			38	U	37	U	45	U	37	U
Malathion	UG/KG			38	U	37	U	45	U	37	U
Merphos	UG/KG			38	U	37	U	45	U	37	U
Methyl parathion	UG/KG		131400	38	U	37	U	45	U	37	U
Mevinphos	UG/KG			38	U	37	U	45	U	37	U
Monocrotophos	UG/KG			38	U	37	U	45	U	37	U
Parathion, ethyl	UG/KG	1200		38	U	37	U	45	U	37	U
Ronnel	UG/KG			38	U	37	U	45	U	37	U
Stirophos (Tetrachlorovinphos)	UG/KG			38	U	37	U	45	U	37	U
Tokuthion (Protothiofos)	UG/KG			38	U	37	U	45	U	37	U
Trichloronate	UG/KG			38	U	37	U	45	U	37	U

Table 3-7
68 - Pesticides in Soil vs PRG-IND
Non-Evaluated EBS Sites

SITE:				SEAD-68		SEAD-68		SEAD-68		SEAD-68		SEAD-68	
DESCRIPTION:				Old Pesticide Control Shop (Bldg. S-335)		Old Pesticide Control Shop (Bldg. S-335)		Old Pesticide Control Shop (Bldg. S-335)		Old Pesticide Control Shop (Bldg. S-335)		Old Pesticide Control Shop (Bldg. S-335)	
LOC ID:				SB68-1		SB68-1		SB68-2		SB68-2		SS68-1	
SAMP_ID:				EB250		EB251		EB248		EB249		EB142	
QC CODE:				SA		SA		SA		SA		SA	
SAMP. DETH TOP:				0		4.5		0		4		0	
SAMP. DEPTH BOT:				0.3		4.8		0.2		4.4		0.2	
MATRIX:				SOIL		SOIL		SOIL		SOIL		SOIL	
SAMP. DATE:				3/16/98		3/16/98		3/16/98		3/16/98		3/10/98	
PARAMETER	UNIT	TAGM	PRG-IND	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q
4,4`-DDD	UG/KG	2900	23847		3.5 U		3.5 U		3.5 U		3.5 U		3.6 U
4,4`-DDE	UG/KG	2100	16833		3.5 U		3.5 U		19		4.2		83 D
4,4`-DDT	UG/KG	2100	16833		3.5 U		3.5 U		22		3.5 U		28
Aldrin	UG/KG	41	337		1.8 U		1.8 U		1.8 U		1.8 U		1.8 U
Alpha-BHC	UG/KG	110			1.8 U		1.8 U		1.8 U		1.8 U		1.8 U
Alpha-Chlordane	UG/KG				1.8 U		1.8 U		6.2 P		3.7 P		24 D
Beta-BHC	UG/KG	200			1.8 U		1.8 U		1.8 U		1.8 U		1.8 U
Delta-BHC	UG/KG	300			1.8 U		1.8 U		1.8 U		1.8 U		1.8 U
Dieldrin	UG/KG	44	358		3.5 U		3.5 U		3.5 U		3.5 U		3.6 U
Endosulfan I	UG/KG	900	3153600		1.8 U		1.8 U		1.8 U		1.8 U		1.8 U
Endosulfan II	UG/KG	900			3.5 U		3.5 U		3.5 U		3.5 U		3.6 U
Endosulfan sulfate	UG/KG	1000			3.5 U		3.5 U		3.5 U		3.5 U		3.6 U
Endrin	UG/KG	100	157680		3.5 U		3.5 U		3.5 U		3.5 U		3.6 U
Endrin aldehyde	UG/KG		157680		3.5 U		3.5 U		3.5 U		3.5 U		3.6 U
Endrin ketone	UG/KG		157680		3.5 U		3.5 U		3.5 U		3.5 U		2.3 JP
Gamma-BHC/Lindane	UG/KG	60	4402		1.8 U		1.8 U		1.8 U		1.8 U		1.8 U
Gamma-Chlordane	UG/KG	540			1.8 U		1.8 U		7.5		4.4		23
Heptachlor	UG/KG	100	1272		1.8 U		1.8 U		1.8 U		1.8 U		1.8 U
Heptachlor epoxide	UG/KG	20	629		1.8 U		1.8 U		1.6 J		1.8 U		4 P
Methoxychlor	UG/KG		2628000		18 U		18 U		18 U		18 U		18 U
Toxaphene	UG/KG				180 U		180 U		180 U		180 U		180 U
Azinphos-methyl	UG/KG				35 U		35 U		35 U		35 U		37 U
Bolstar (Sulprofos)	UG/KG				35 U		35 U		35 U		35 U		37 U
Chlorpyrifos	UG/KG				35 U		35 U		35 U		35 U		37 U
Coumaphos	UG/KG				35 U		35 U		35 U		35 U		37 U
Demeton-O	UG/KG				35 U		35 U		35 U		35 U		37 U
Diazinon	UG/KG				35 U		35 U		35 U		35 U		37 U
Dichlorvos (DDVP)	UG/KG				35 U		35 U		35 U		35 U		37 U
Dimethoate	UG/KG				35 U		35 U		35 U		35 U		37 U
Disulfoton	UG/KG				35 U		35 U		35 U		35 U		37 U
EPN	UG/KG				35 U		35 U		35 U		35 U		37 U
Ethoprop	UG/KG				35 U		35 U		35 U		35 U		37 U
Fensulfothion	UG/KG				35 U		35 U		35 U		35 U		37 U
Fenthion	UG/KG				35 U		35 U		35 U		35 U		37 U
Malathion	UG/KG				35 U		35 U		35 U		35 U		37 U
Merphos	UG/KG				35 U		35 U		35 U		35 U		37 U
Methyl parathion	UG/KG		131400		35 U		35 U		35 U		35 U		37 U
Mevinphos	UG/KG				35 U		35 U		35 U		35 U		37 U
Monocrotophos	UG/KG				35 U		35 U		35 U		35 U		37 U
Parathion, ethyl	UG/KG	1200			35 U		35 U		35 U		35 U		37 U
Ronnel	UG/KG				35 U		35 U		35 U		35 U		37 U
Stirophos (Tetrachlorovinpho	UG/KG				35 U		35 U		35 U		35 U		37 U
Tokuthion (Protothiofos)	UG/KG				35 U		35 U		35 U		35 U		37 U
Trichloronate	UG/KG				35 U		35 U		35 U		35 U		37 U

Table 3-7
68 - Pesticides in Soil vs PRG-IND
Non-Evaluated EBS Sites

SITE:				SEAD-68		SEAD-68		SEAD-68		SEAD-68	
DESCRIPTION:				Old Pesticide Control Shop (Bldg. S-335)		Old Pesticide Control Shop (Bldg. S-335)		Old Pesticide Control Shop (Bldg. S-335)		Old Pesticide Control Shop (Bldg. S-335)	
LOC ID:				SS68-2		SS68-3		SS68-4		SS68-5	
SAMP_ID:				EB143		EB144		EB145		EB146	
QC CODE:				SA		SA		SA		SA	
SAMP. DETH TOP:				0		0		0		0	
SAMP. DEPTH BOT:				0.2		0.2		0.2		0.2	
MATRIX:				SOIL		SOIL		SOIL		SOIL	
SAMP. DATE:				3/10/98		3/10/98		3/10/98		3/10/98	
PARAMETER	UNIT	TAGM	PRG-IND	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q
4,4`-DDD	UG/KG	2900	23847	3.8	U	3.9	U	41	U	3.8	U
4,4`-DDE	UG/KG	2100	16833	130	D	26		260		36	
4,4`-DDT	UG/KG	2100	16833	170	D	23		4000	D	330	D
Aldrin	UG/KG	41	337	1.9	U	1.9	U	21	U	1.9	U
Alpha-BHC	UG/KG	110		1.9	U	1.9	U	21	U	1.9	U
Alpha-Chlordane	UG/KG			1.9	U	1.9	U	19	J	1.6	J
Beta-BHC	UG/KG	200		1.9	U	1.9	U	21	U	1.9	U
Delta-BHC	UG/KG	300		1.9	U	1.9	U	21	U	1.9	U
Dieldrin	UG/KG	44	358	3.8	U	3.9	U	41	U	3.8	U
Endosulfan I	UG/KG	900	3153600	1.9	U	1.9	U	21	U	1.9	U
Endosulfan II	UG/KG	900		3.8	U	3.9	U	41	U	3.8	U
Endosulfan sulfate	UG/KG	1000		3.8	U	3.9	U	41	U	3.8	U
Endrin	UG/KG	100	157680	3.8	U	3.9	U	41	U	3.8	U
Endrin aldehyde	UG/KG		157680	3.8	U	3.9	U	41	U	3.8	U
Endrin ketone	UG/KG		157680	3.8	U	3.9	U	41	U	3.8	U
Gamma-BHC/Lindane	UG/KG	60	4402	1.9	U	1.9	U	21	U	1.9	U
Gamma-Chlordane	UG/KG	540		1.9	U	1.9	U	18	J	1.2	JP
Heptachlor	UG/KG	100	1272	1.9	U	1.9	U	21	U	1.9	U
Heptachlor epoxide	UG/KG	20	629	1.3	J	3.6		21	U	1.9	U
Methoxychlor	UG/KG		2628000	19	U	19	U	210	U	19	U
Toxaphene	UG/KG			190	U	190	U	2100	U	190	U
Azinphos-methyl	UG/KG			38	U	37	U	45	U	37	U
Bolstar (Sulprofos)	UG/KG			38	U	37	U	45	U	37	U
Chlorpyrifos	UG/KG			38	U	37	U	45	U	37	U
Coumaphos	UG/KG			38	U	37	U	45	U	37	U
Demeton-O	UG/KG			38	U	37	U	45	U	37	U
Diazinon	UG/KG			38	U	37	U	45	U	37	U
Dichlorvos (DDVP)	UG/KG			38	U	37	U	45	U	37	U
Dimethoate	UG/KG			38	U	37	U	45	U	37	U
Disulfoton	UG/KG			38	U	37	U	45	U	37	U
EPN	UG/KG			38	U	37	U	45	U	37	U
Ethoprop	UG/KG			38	U	37	U	45	U	37	U
Fensulfothion	UG/KG			38	U	37	U	45	U	37	U
Fenthion	UG/KG			38	U	37	U	45	U	37	U
Malathion	UG/KG			38	U	37	U	45	U	37	U
Merphos	UG/KG			38	U	37	U	45	U	37	U
Methyl parathion	UG/KG		131400	38	U	37	U	45	U	37	U
Mevinphos	UG/KG			38	U	37	U	45	U	37	U
Monocrotophos	UG/KG			38	U	37	U	45	U	37	U
Parathion, ethyl	UG/KG	1200		38	U	37	U	45	U	37	U
Ronnel	UG/KG			38	U	37	U	45	U	37	U
Stirophos (Tetrachlorovinpho	UG/KG			38	U	37	U	45	U	37	U
Tokuthion (Protothiofos)	UG/KG			38	U	37	U	45	U	37	U
Trichloronate	UG/KG			38	U	37	U	45	U	37	U

Table 3-8
68 - Herbicides and Arsenic in Soil vs TAGM
Non-Evaluated EBS Sites

SITE:				SEAD-68		SEAD-68		SEAD-68		SEAD-68		SEAD-68			
DESCRIPTION:				Old Pesticide Control Shop (Bldg. S-335)		Old Pesticide Control Shop (Bldg. S-335)		Old Pesticide Control Shop (Bldg. S-335)		Old Pesticide Control Shop (Bldg. S-335)		Old Pesticide Control Shop (Bldg. S-335)			
LOC ID:				SB68-1		SB68-1		SB68-2		SB68-2		SS68-1			
SAMP_ID:				EB250		EB251		EB248		EB249		EB142			
QC CODE:				SA		SA		SA		SA		SA			
SAMP. DETH TOP:				0		4.5		0		4		0			
SAMP. DEPTH BOT:				0.3		4.8		0.2		4.4		0.2			
MATRIX:				SOIL		SOIL		SOIL		SOIL		SOIL			
SAMP. DATE:				3/16/98		3/16/98		3/16/98		3/16/98		3/10/98			
PARAMETER	UNIT	TAGM	PRG-IND	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q		
2,4,5-T	UG/KG	1900			5 U		5 U		5.1 U		5 U		5.3 U		
2,4,5-TP/Silvex	UG/KG	700			5 U		5 U		5.1 U		5 U		5.3 U		
2,4-D	UG/KG	500			49 U		49 U		50 U		49 U		52 U		
2,4-DB	UG/KG				50 U		50 U		51 U		50 U		53 U		
3,5-Dichlorobenzoic acid	UG/KG				49 U		49 U		50 U		49 U		52 U		
Dalapon	UG/KG				270 U		270 U		280 U		270 U		290 U		
Dicamba	UG/KG				4.9 U		4.9 U		5 U		4.9 U		5.2 U		
Dichloroprop	UG/KG				49 U		49 U		50 U		49 U		52 U		
Dinoseb	UG/KG				25 U		25 U		25 U		25 U		27 U		
MCPA	UG/KG				4900 U		4900 U		5000 U		4900 U		5200 U		
MCPP	UG/KG				4900 U		4900 U		5000 U		4900 U		5200 U		
Pentachlorophenol	UG/KG	1000	47693		18 U		18 U		18 U		18 U		19 U		
Picloram	UG/KG		36792000		5 U		5 U		5.1 U		5 U		5.3 U		
Arsenic	MG/KG	8.9	3.19		5.2 N*		4.7 N*		3.9 N*		6.0 N*		8.3 N*		

Table 3-8
68 - Herbicides and Arsenic in Soil vs TAGM
Non-Evaluated EBS Sites

SITE:				SEAD-68		SEAD-68		SEAD-68		SEAD-68	
DESCRIPTION:				Old Pesticide Control Shop (Bldg. S-335)		Old Pesticide Control Shop (Bldg. S-335)		Old Pesticide Control Shop (Bldg. S-335)		Old Pesticide Control Shop (Bldg. S-335)	
LOC ID:				SS68-2		SS68-3		SS68-4		SS68-5	
SAMP_ID:				EB143		EB144		EB145		EB146	
QC CODE:				SA		SA		SA		SA	
SAMP. DETH TOP:				0		0		0		0	
SAMP. DEPTH BOT:				0.2		0.2		0.2		0.2	
MATRIX:				SOIL		SOIL		SOIL		SOIL	
SAMP. DATE:				3/10/98		3/10/98		3/10/98		3/10/98	
PARAMETER	UNIT	TAGM	PRG-IND	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q
2,4,5-T	UG/KG	1900		5.5	U	5.4	U	25	P	5.3	U
2,4,5-TP/Silvex	UG/KG	700		5.5	U	5.4	U	6.6	U	5.3	U
2,4-D	UG/KG	500		54	U	53	U	64	U	52	U
2,4-DB	UG/KG			55	U	54	U	90	P	53	U
3,5-Dichlorobenzoic acid	UG/KG			54	U	53	U	64	U	52	U
Dalapon	UG/KG			300	U	290	U	360	U	290	U
Dicamba	UG/KG			5.4	U	5.3	U	6.4	U	5.2	U
Dichloroprop	UG/KG			54	U	53	U	64	U	52	U
Dinoseb	UG/KG			28	U	27	U	33	U	27	U
MCPA	UG/KG			5400	U	5300	U	6400	U	5200	U
MCPP	UG/KG			5400	U	5300	U	6400	U	5200	U
Pentachlorophenol	UG/KG	1000	47693	24		19	U	23	U	19	U
Picloram	UG/KG		36792000	5.5	U	5.4	U	6.6	U	5.3	U
Arsenic	MG/KG	8.9	3.19	3.8	N*	7.7	N*	[redacted]	N*	6.6	N*

Table 3-9
68 - Herbicides and Arsenic in Soil vs PRG-IND
Non-Evaluated EBS Sites

SITE:				SEAD-68	SEAD-68	SEAD-68	SEAD-68	SEAD-68
DESCRIPTION:				Old Pesticide Control Shop (Bldg. S-335)	Old Pesticide Control Shop (Bldg. S-335)	Old Pesticide Control Shop (Bldg. S-335)	Old Pesticide Control Shop (Bldg. S-335)	Old Pesticide Control Shop (Bldg. S-335)
LOC ID:				SB68-1	SB68-1	SB68-2	SB68-2	SS68-1
SAMP_ID:				EB250	EB251	EB248	EB249	EB142
QC CODE:				SA	SA	SA	SA	SA
SAMP. DETH TOP:				0	4.5	0	4	0
SAMP. DEPTH BOT:				0.3	4.8	0.2	4.4	0.2
MATRIX:				SOIL	SOIL	SOIL	SOIL	SOIL
SAMP. DATE:				3/16/98	3/16/98	3/16/98	3/16/98	3/10/98
PARAMETER	UNIT	TAGM	PRG-IND	VALUE Q	VALUE Q	VALUE Q	VALUE Q	VALUE Q
2,4,5-T	UG/KG	1900		5 U	5 U	5.1 U	5 U	5.3 U
2,4,5-TP/Silvex	UG/KG	700		5 U	5 U	5.1 U	5 U	5.3 U
2,4-D	UG/KG	500		49 U	49 U	50 U	49 U	52 U
2,4-DB	UG/KG			50 U	50 U	51 U	50 U	53 U
3,5-Dichlorobenzoic acid	UG/KG			49 U	49 U	50 U	49 U	52 U
Dalapon	UG/KG			270 U	270 U	280 U	270 U	290 U
Dicamba	UG/KG			4.9 U	4.9 U	5 U	4.9 U	5.2 U
Dichloroprop	UG/KG			49 U	49 U	50 U	49 U	52 U
Dinoseb	UG/KG			25 U	25 U	25 U	25 U	27 U
MCPA	UG/KG			4900 U	4900 U	5000 U	4900 U	5200 U
MCPP	UG/KG			4900 U	4900 U	5000 U	4900 U	5200 U
Pentachlorophenol	UG/KG	1000	47693	18 U	18 U	18 U	18 U	19 U
Picloram	UG/KG		36792000	5 U	5 U	5.1 U	5 U	5.3 U
Arsenic	MG/KG	7.5	3.19	5.2 N*	4.7 N*	N*	N*	N*

Table 3-9
68 - Herbicides and Arsenic in Soil vs PRG-IND
Non-Evaluated EBS Sites

SITE:				SEAD-68		SEAD-68		SEAD-68		SEAD-68	
DESCRIPTION:				Old Pesticide Control Shop (Bldg. S-335)		Old Pesticide Control Shop (Bldg. S-335)		Old Pesticide Control Shop (Bldg. S-335)		Old Pesticide Control Shop (Bldg. S-335)	
LOC ID:				SS68-2		SS68-3		SS68-4		SS68-5	
SAMP_ID:				EB143		EB144		EB145		EB146	
QC CODE:				SA		SA		SA		SA	
SAMP. DETH TOP:				0		0		0		0	
SAMP. DEPTH BOT:				0.2		0.2		0.2		0.2	
MATRIX:				SOIL		SOIL		SOIL		SOIL	
SAMP. DATE:				3/10/98		3/10/98		3/10/98		3/10/98	
PARAMETER	UNIT	TAGM	PRG-IND	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q
2,4,5-T	UG/KG	1900		5.5	U	5.4	U	25	P	5.3	U
2,4,5-TP/Silvex	UG/KG	700		5.5	U	5.4	U	6.6	U	5.3	U
2,4-D	UG/KG	500		54	U	53	U	64	U	52	U
2,4-DB	UG/KG			55	U	54	U	90	P	53	U
3,5-Dichlorobenzoic acid	UG/KG			54	U	53	U	64	U	52	U
Dalapon	UG/KG			300	U	290	U	360	U	290	U
Dicamba	UG/KG			5.4	U	5.3	U	6.4	U	5.2	U
Dichloroprop	UG/KG			54	U	53	U	64	U	52	U
Dinoseb	UG/KG			28	U	27	U	33	U	27	U
MCPA	UG/KG			5400	U	5300	U	6400	U	5200	U
MCPP	UG/KG			5400	U	5300	U	6400	U	5200	U
Pentachlorophenol	UG/KG	1000	47693	24		19	U	23	U	19	U
Picloram	UG/KG		36792000	5.5	U	5.4	U	6.6	U	5.3	U
Arsenic	MG/KG	7.5	3.19	3.8	N*	7.7	N*		N*		N*

SEAD-120A

50 Area Dumping Areas

Table 4-1

Sample Collection Information
SEAD-120A - 50 Area Dumping Areas

12 Moderate 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	TP120A-1	EB155	3/30/98	0.0	0.6	SA	Location is a mound in the southeastern portion of the site Chosen because the mound is located near Ovid Road and has an access ramp leading to it; it is also near r r. tracks, near possible staging area.
SOIL	TP120A-1	EB032	3/30/98	0.0	0.6	DU	Same location as above
SOIL	TP120A-1	EB156	3/30/98	2.0	2.5	SA	Location is the same as above. The sample was collected at approximately mid-depth in the pit because there were no VOC hits or impacts to soil.
SOIL	TP120A-2	EB157	3/31/98	0.0	0.2	SA	Location is a mound in the eastern portion of the site west of Building 2084 Chosen because the mound is located near Seneca Road and is covered in debris; it appeared to be a building material dump area.
SOIL	TP120A-2	EB158	3/31/98	2.0	2.2	SA	Location is the same as above. The sample was collected directly below debris.
SOIL	TP120A-3	EB159	3/30/98	0.0	0.6	SA	Location is a mound in the southwestern portion of the site. Chosen because the mound is next to railroad tracks and there was little vegetation on the surface of the mound.
SOIL	TP120A-3	EB160	3/30/98	2.0	2.5	SA	Location is the same as above. The sample was collected at approximately mid-depth in the pit because there were no VOC hits or impacts to soil.
SOIL	TP120A-4	EB161	3/30/98	0.0	0.6	SA	Location is a mound in the southwestern portion of the site. Chosen because the mound is at the end of railroad tracks where dumping occured; there were several rusty drums at the base of the mound.

Table 4-1

Sample Collection Information
SEAD-120A - 50 Area Dumping Areas

12 Moderate 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	TP120A-4	EB162	3/30/98	2.0	2.5	SA	Location is the same as above. The sample was collected at approximately mid-depth in the pit because there were no VOC hits or impacts to soil.
SOIL	TP120A-5	EB163	3/30/98	0.0	0.6	SA	Location is a mound in the northwestern portion of the site Chosen because the mound is near West Patrol Road and it is in an area that has easy access for dumping.
SOIL	TP120A-5	EB164	3/30/98	1.0	1.2	SA	Location is the same as above. The sample was collected at approximately mid-depth in the pit because there were no VOC hits or impacts to soil
WATER	TP120A-1	EB033	3/30/98	0.0	0.0	RB	NA

Notes
SA = Sample
RB = Rinse Blank
NA = Not Applicable

Table 4-2
120A - Volatiles in Soil vs TAGM
Non-Evaluated EBS Sites

SITE				SEAD-120A		SEAD-120A		SEAD-120A		SEAD-120A		SEAD-120A		SEAD-120A	
DESCRIPTION				50 Area Dumping Areas		50 Area Dumping Areas		50 Area Dumping Areas		50 Area Dumping Areas		50 Area Dumping Areas		50 Area Dumping Areas	
LOC ID				TP120A-1		TP120A-1		TP120A-1		TP120A-2		TP120A-2		TP120A-3	
SAMP_ID				EB155		EB032		EB156		EB157		EB158		EB159	
QC CODE				SA		DU		SA		SA		SA		SA	
SAMP. DETH TOP				0		0		2		0		2		0	
SAMP. DEPTH BOT				0.6		0.6		2.5		0.2		2.2		0.6	
MATRIX				SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
SAMP. DATE				30-Mar-98		30-Mar-98		30-Mar-98		31-Mar-98		31-Mar-98		30-Mar-98	
PARAMETER	UNIT	TAGM	PRG-REC	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q
1,1,1-Trichloroethane	UG/KG	800	36850962	11	U	11	U	12	U	13	U	13	U	12	U
1,1,2,2-Tetrachloroethane	UG/KG	600	3439423	11	U	11	U	12	U	13	U	13	U	12	U
1,1,2-Trichloroethane	UG/KG		1206815	11	U	11	U	12	U	13	U	13	U	12	U
1,1-Dichloroethane	UG/KG	200	105288462	11	U	11	U	12	U	13	U	13	U	12	U
1,1-Dichloroethene	UG/KG	400	114647	11	U	11	U	12	U	13	U	13	U	12	U
1,2-Dichloroethane	UG/KG	100	755917	11	U	11	U	12	U	13	U	13	U	12	U
1,2-Dichloroethene (total)	UG/KG			11	U	11	U	12	U	13	U	13	U	12	U
1,2-Dichloropropane	UG/KG		1011595	11	U	11	U	12	U	13	U	13	U	12	U
Acetone	UG/KG	200	105288462	11	U	11	U	12	U	8	J	8	J	12	U
Benzene	UG/KG	60	2372016	11	U	11	U	12	U	13	U	13	U	12	U
Bromodichloromethane	UG/KG		1109491	11	U	11	U	12	U	13	U	13	U	12	U
Bromoform	UG/KG		8707400	11	U	11	U	12	U	13	U	13	U	12	U
Carbon disulfide	UG/KG	2700	105288462	11	U	11	U	12	U	13	U	13	U	12	U
Carbon tetrachloride	UG/KG	600	529142	11	U	11	U	12	U	13	U	13	U	12	U
Chlorobenzene	UG/KG	1700	21057692	11	U	11	U	12	U	13	U	13	U	12	U
Chlorodibromomethane	UG/KG		818910	11	U	11	U	12	U	13	U	13	U	12	U
Chloroethane	UG/KG	1900	421153846	11	U	11	U	12	U	13	U	13	U	12	U
Chloroform	UG/KG	300	11276797	11	U	11	U	12	U	13	U	13	U	12	U
Cis-1,3-Dichloropropene	UG/KG			11	U	11	U	12	U	13	U	13	U	12	U
Ethyl benzene	UG/KG	5500	105288462	11	U	11	U	12	U	13	U	13	U	12	U
Methyl bromide	UG/KG		1505625	11	U	11	U	12	U	13	U	13	U	12	U
Methyl butyl ketone	UG/KG			11	U	11	U	12	U	13	U	13	U	12	U
Methyl chloride	UG/KG		5291420	11	U	11	U	12	U	13	U	13	U	12	U
Methyl ethyl ketone	UG/KG	300		11	U	11	U	12	U	13	U	13	U	12	U
Methyl isobutyl ketone	UG/KG	1000	84230769	11	U	11	U	12	U	13	U	13	U	12	U
Methylene chloride	UG/KG	100	9171795	11	U	11	U	12	U	3	J	13	U	12	U
Styrene	UG/KG			11	U	11	U	12	U	13	U	13	U	12	U
Tetrachloroethene	UG/KG	1400	1322855	11	U	11	U	12	U	13	U	13	U	12	U
Toluene	UG/KG	1500	210576923	11	U	11	U	3	J	3	J	9	J	4	J
Total Xylenes	UG/KG	1200	2105769231	11	U	11	U	12	U	13	U	13	U	12	U
Trans-1,3-Dichloropropene	UG/KG			11	U	11	U	12	U	13	U	13	U	12	U
Trichloroethene	UG/KG	700	6253497	11	U	11	U	12	U	13	U	13	U	12	U
Vinyl chloride	UG/KG	200	36204	11	U	11	U	12	U	13	U	13	U	12	U

Table 4-2
120A - Volatiles in Soil vs TAGM
Non-Evaluated EBS Sites

SITE:				SEAD-120A		SEAD-120A		SEAD-120A		SEAD-120A		SEAD-120A	
DESCRIPTION				50 Area Dumping Areas		50 Area Dumping Areas		50 Area Dumping Areas		50 Area Dumping Areas		50 Area Dumping Areas	
LOC ID:				TP120A-3		TP120A-4		TP120A-4		TP120A-5		TP120A-5	
SAMP_ID:				EB160		EB161		EB162		EB163		EB164	
QC CODE:				SA		SA		SA		SA		SA	
SAMP DETH TOP:				2		0		2		0		1	
SAMP DEPTH BOT				2.5		0.6		2.5		0.6		1.2	
MATRIX:				SOIL		SOIL		SOIL		SOIL		SOIL	
SAMP DATE				30-Mar-98		30-Mar-98		30-Mar-98		30-Mar-98		30-Mar-98	
PARAMETER	UNIT	TAGM	PRG-REC	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q
1,1,1-Trichloroethane	UG/KG	800	36850962		12 U		12 U		11 U		12 U		13 U
1,1,2,2-Tetrachloroethane	UG/KG	600	3439423		12 U		12 U		11 U		12 U		13 U
1,1,2-Trichloroethane	UG/KG		1206815		12 U		12 U		11 U		12 U		13 U
1,1-Dichloroethane	UG/KG	200	105288462		12 U		12 U		11 U		12 U		13 U
1,1-Dichloroethene	UG/KG	400	114647		12 U		12 U		11 U		12 U		13 U
1,2-Dichloroethane	UG/KG	100	755917		12 U		12 U		11 U		12 U		13 U
1,2-Dichloroethene (total)	UG/KG				12 U		12 U		11 U		12 U		13 U
1,2-Dichloropropane	UG/KG		1011595		12 U		12 U		11 U		12 U		13 U
Acetone	UG/KG	200	105288462		14		12 U		11 U		18		10 J
Benzene	UG/KG	60	2372016		12 U		12 U		11 U		12 U		13 U
Bromodichloromethane	UG/KG		1109491		12 U		12 U		11 U		12 U		13 U
Bromoform	UG/KG		8707400		12 U		12 U		11 U		12 U		13 U
Carbon disulfide	UG/KG	2700	105288462		12 U		12 U		11 U		12 U		13 U
Carbon tetrachloride	UG/KG	600	529142		12 U		12 U		11 U		12 U		13 U
Chlorobenzene	UG/KG	1700	21057692		12 U		12 U		11 U		12 U		13 U
Chlorodibromomethane	UG/KG		818910		12 U		12 U		11 U		12 U		13 U
Chloroethane	UG/KG	1900	421153846		12 U		12 U		11 U		12 U		13 U
Chloroform	UG/KG	300	11276797		4 J		12 U		11 U		12 U		13 U
Cis-1,3-Dichloropropene	UG/KG				12 U		12 U		11 U		12 U		13 U
Ethyl benzene	UG/KG	5500	105288462		12 U		12 U		11 U		12 U		13 U
Methyl bromide	UG/KG		1505625		12 U		12 U		11 U		12 U		13 U
Methyl butyl ketone	UG/KG				12 U		12 U		11 U		12 U		13 U
Methyl chloride	UG/KG		5291420		12 U		12 U		11 U		12 U		13 U
Methyl ethyl ketone	UG/KG	300			12 U		12 U		11 U		12 U		13 U
Methyl isobutyl ketone	UG/KG	1000	84230769		12 U		12 U		11 U		12 U		13 U
Methylene chloride	UG/KG	100	9171795		12 U		12 U		11 U		12 U		13 U
Styrene	UG/KG				12 U		12 U		11 U		12 U		13 U
Tetrachloroethene	UG/KG	1400	1322855		12 U		12 U		11 U		12 U		13 U
Toluene	UG/KG	1500	210576923		3 J		4 J		3 J		3 J		7 J
Total Xylenes	UG/KG	1200	2105769231		12 U		12 U		11 U		12 U		13 U
Trans-1,3-Dichloropropene	UG/KG				12 U		12 U		11 U		12 U		13 U
Trichloroethene	UG/KG	700	6253497		12 U		12 U		11 U		12 U		13 U
Vinyl chloride	UG/KG	200	36204		12 U		12 U		11 U		12 U		13 U

Table 4-3
120A - Volatiles in Soil vs PRG-REC
Non-Evaluated EBS Sites

SITE				SEAD-120A		SEAD-120A		SEAD-120A		SEAD-120A		SEAD-120A		SEAD-120A	
DESCRIPTION				50 Area Dumping Areas		50 Area Dumping Areas.		50 Area Dumping Areas.		50 Area Dumping Areas.		50 Area Dumping Areas.		50 Area Dumping Areas	
LOC ID				TP120A-1		TP120A-1		TP120A-1		TP120A-2		TP120A-2		TP120A-3	
SAMP_ID				EB155		EB032		EB156		EB157		EB158		EB159	
QC CODE				SA		DU		SA		SA		SA		SA	
SAMP DETH TOP				0		0		2		0		2		0	
SAMP DEPTH BOT				0 6		0 6		2.5		0.2		2.2		0.6	
MATRIX				SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
SAMP DATE				30-Mar-98		30-Mar-98		30-Mar-98		31-Mar-98		31-Mar-98		30-Mar-98	
PARAMETER	UNIT	TAGM	PRG-REC	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q
1,1,1-Trichloroethane	UG/KG	800	36850962	11	U	11	U	12	U	13	U	13	U	12	U
1,1,2,2-Tetrachloroethane	UG/KG	600	3439423	11	U	11	U	12	U	13	U	13	U	12	U
1,1,2-Trichloroethane	UG/KG		1206815	11	U	11	U	12	U	13	U	13	U	12	U
1,1-Dichloroethane	UG/KG	200	105288462	11	U	11	U	12	U	13	U	13	U	12	U
1,1-Dichloroethene	UG/KG	400	114647	11	U	11	U	12	U	13	U	13	U	12	U
1,2-Dichloroethane	UG/KG	100	755917	11	U	11	U	12	U	13	U	13	U	12	U
1,2-Dichloroethene (total)	UG/KG			11	U	11	U	12	U	13	U	13	U	12	U
1,2-Dichloropropane	UG/KG		1011595	11	U	11	U	12	U	13	U	13	U	12	U
Acetone	UG/KG	200	105288462	11	U	11	U	12	U	8	J	8	J	12	U
Benzene	UG/KG	60	2372016	11	U	11	U	12	U	13	U	13	U	12	U
Bromodichloromethane	UG/KG		1109491	11	U	11	U	12	U	13	U	13	U	12	U
Bromoform	UG/KG		8707400	11	U	11	U	12	U	13	U	13	U	12	U
Carbon disulfide	UG/KG	2700	105288462	11	U	11	U	12	U	13	U	13	U	12	U
Carbon tetrachloride	UG/KG	600	529142	11	U	11	U	12	U	13	U	13	U	12	U
Chlorobenzene	UG/KG	1700	21057692	11	U	11	U	12	U	13	U	13	U	12	U
Chlorodibromomethane	UG/KG		818910	11	U	11	U	12	U	13	U	13	U	12	U
Chloroethane	UG/KG	1900	421153846	11	U	11	U	12	U	13	U	13	U	12	U
Chloroform	UG/KG	300	11276797	11	U	11	U	12	U	13	U	13	U	12	U
Cis-1,3-Dichloropropene	UG/KG			11	U	11	U	12	U	13	U	13	U	12	U
Ethyl benzene	UG/KG	5500	105288462	11	U	11	U	12	U	13	U	13	U	12	U
Methyl bromide	UG/KG		1505625	11	U	11	U	12	U	13	U	13	U	12	U
Methyl butyl ketone	UG/KG			11	U	11	U	12	U	13	U	13	U	12	U
Methyl chloride	UG/KG		5291420	11	U	11	U	12	U	13	U	13	U	12	U
Methyl ethyl ketone	UG/KG	300		11	U	11	U	12	U	13	U	13	U	12	U
Methyl isobutyl ketone	UG/KG	1000	84230769	11	U	11	U	12	U	13	U	13	U	12	U
Methylene chloride	UG/KG	100	9171795	11	U	11	U	12	U	3	J	13	U	12	U
Styrene	UG/KG			11	U	11	U	12	U	13	U	13	U	12	U
Tetrachloroethene	UG/KG	1400	1322855	11	U	11	U	12	U	13	U	13	U	12	U
Toluene	UG/KG	1500	210576923	11	U	11	U	3	J	3	J	9	J	4	J
Total Xylenes	UG/KG	1200	2105769231	11	U	11	U	12	U	13	U	13	U	12	U
Trans-1,3-Dichloropropene	UG/KG			11	U	11	U	12	U	13	U	13	U	12	U
Trichloroethene	UG/KG	700	6253497	11	U	11	U	12	U	13	U	13	U	12	U
Vinyl chloride	UG/KG	200	36204	11	U	11	U	12	U	13	U	13	U	12	U

Table 4-3
120A - Volatiles in Soil vs PRG-REC
Non-Evaluated EBS Sites

SITE				SEAD-120A		SEAD-120A		SEAD-120A		SEAD-120A		SEAD-120A	
DESCRIPTION				50 Area Dumping Areas		50 Area Dumping Areas.		50 Area Dumping Areas.		50 Area Dumping Areas.		50 Area Dumping Areas.	
LOC ID:				TP120A-3		TP120A-4		TP120A-4		TP120A-5		TP120A-5	
SAMP_ID				EB160		EB161		EB162		EB163		EB164	
QC CODE:				SA		SA		SA		SA		SA	
SAMP DETH TOP:				2		0		2		0		1	
SAMP DEPTH BOT:				2.5		0.6		2.5		0.6		1.2	
MATRIX:				SOIL		SOIL		SOIL		SOIL		SOIL	
SAMP DATE:				30-Mar-98		30-Mar-98		30-Mar-98		30-Mar-98		30-Mar-98	
PARAMETER	UNIT	TAGM	PRG-REC	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q
1,1,1-Trichloroethane	UG/KG	800	36850962		12 U		12 U		11 U		12 U		13 U
1,1,2,2-Tetrachloroethane	UG/KG	600	3439423		12 U		12 U		11 U		12 U		13 U
1,1,2-Trichloroethane	UG/KG		1206815		12 U		12 U		11 U		12 U		13 U
1,1-Dichloroethane	UG/KG	200	105288462		12 U		12 U		11 U		12 U		13 U
1,1-Dichloroethene	UG/KG	400	114647		12 U		12 U		11 U		12 U		13 U
1,2-Dichloroethane	UG/KG	100	755917		12 U		12 U		11 U		12 U		13 U
1,2-Dichloroethene (total)	UG/KG				12 U		12 U		11 U		12 U		13 U
1,2-Dichloropropane	UG/KG		1011595		12 U		12 U		11 U		12 U		13 U
Acetone	UG/KG	200	105288462		14		12 U		11 U		18		10 J
Benzene	UG/KG	60	2372016		12 U		12 U		11 U		12 U		13 U
Bromodichloromethane	UG/KG		1109491		12 U		12 U		11 U		12 U		13 U
Bromoform	UG/KG		8707400		12 U		12 U		11 U		12 U		13 U
Carbon disulfide	UG/KG	2700	105288462		12 U		12 U		11 U		12 U		13 U
Carbon tetrachloride	UG/KG	600	529142		12 U		12 U		11 U		12 U		13 U
Chlorobenzene	UG/KG	1700	21057692		12 U		12 U		11 U		12 U		13 U
Chlorodibromomethane	UG/KG		818910		12 U		12 U		11 U		12 U		13 U
Chloroethane	UG/KG	1900	421153846		12 U		12 U		11 U		12 U		13 U
Chloroform	UG/KG	300	11276797		4 J		12 U		11 U		12 U		13 U
Cis-1,3-Dichloropropene	UG/KG				12 U		12 U		11 U		12 U		13 U
Ethyl benzene	UG/KG	5500	105288462		12 U		12 U		11 U		12 U		13 U
Methyl bromide	UG/KG		1505625		12 U		12 U		11 U		12 U		13 U
Methyl butyl ketone	UG/KG				12 U		12 U		11 U		12 U		13 U
Methyl chloride	UG/KG		5291420		12 U		12 U		11 U		12 U		13 U
Methyl ethyl ketone	UG/KG	300			12 U		12 U		11 U		12 U		13 U
Methyl isobutyl ketone	UG/KG	1000	84230769		12 U		12 U		11 U		12 U		13 U
Methylene chloride	UG/KG	100	9171795		12 U		12 U		11 U		12 U		13 U
Styrene	UG/KG				12 U		12 U		11 U		12 U		13 U
Tetrachloroethene	UG/KG	1400	1322855		12 U		12 U		11 U		12 U		13 U
Toluene	UG/KG	1500	210576923		3 J		4 J		3 J		3 J		7 J
Total Xylenes	UG/KG	1200	2105769231		12 U		12 U		11 U		12 U		13 U
Trans-1,3-Dichloropropene	UG/KG				12 U		12 U		11 U		12 U		13 U
Trichloroethene	UG/KG	700	6253497		12 U		12 U		11 U		12 U		13 U
Vinyl chloride	UG/KG	200	36204		12 U		12 U		11 U		12 U		13 U

Table 4-4
120A - Semivolatiles/TPH in Soil vs TAGM
Non-Evaluated FBS Sites

SITE				SEAD-120A		SEAD-120A		SEAD-120A		SEAD-120A		SEAD-120A		SEAD-120A		SEAD-120A	
DESCRIPTION				50 Area Dumping Areas		50 Area Dumping Areas		50 Area Dumping Areas		50 Area Dumping Areas		50 Area Dumping Areas		50 Area Dumping Areas.		50 Area Dumping Areas	
LOC ID				TP120A-1		TP120A-1		TP120A-1		TP120A-2		TP120A-2		TP120A-3		TP120A-3		TP120A-4	
SAMP_ID				EB155		EB032		EB156		EB157		EB158		EB159		EB160		EB161	
QC CODE				SA		DU		SA		SA		SA		SA		SA		SA	
SAMP_DETH TOP				0		0		2		0		2		0		2		0	
SAMP_DEPTH BOT				0.6		0.6		2.5		0.2		2.2		0.6		2.5		0.6	
MATRIX				SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
SAMP_DATE				30-Mar-98		30-Mar-98		30-Mar-98		31-Mar-98		31-Mar-98		30-Mar-98		30-Mar-98		30-Mar-98	
PARAMETER	UNIT	TAGM	PRG-REC	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q
1,2,4 Trichlorobenzene	UG/KG	3400	10528846		78 U		77 U		78 U		87 U		87 U		77 U		76 U		80 U
1,2-Dichlorobenzene	UG/KG	7900	94759615		78 U		77 U		78 U		87 U		87 U		77 U		76 U		80 U
1,3-Dichlorobenzene	UG/KG	1600	93706731		78 U		77 U		78 U		87 U		87 U		77 U		76 U		80 U
1,4-Dichlorobenzene	UG/KG	8500	2866186		78 U		77 U		78 U		87 U		87 U		77 U		76 U		80 U
2,4,5-Trichlorophenol	UG/KG	100	105288462		190 U		190 U		190 U		210 U		210 U		190 U		180 U		190 U
2,4,6-Trichlorophenol	UG/KG		6253497		78 U		77 U		78 U		87 U		87 U		77 U		76 U		80 U
2,4-Dichlorophenol	UG/KG	400	3158654		78 U		77 U		78 U		87 U		87 U		77 U		76 U		80 U
2,4-Dimethylphenol	UG/KG		21057692		78 U		77 U		78 U		87 U		87 U		77 U		76 U		80 U
2,4-Dinitrophenol	UG/KG	200	2105769		190 U		190 U		190 U		210 U		210 U		190 U		180 U		190 U
2,4-Dinitrotoluene	UG/KG		2105769		78 U		77 U		78 U		87 U		87 U		77 U		76 U		80 U
2,6-Dinitrotoluene	UG/KG	1000	1052885		78 U		77 U		78 U		87 U		87 U		77 U		76 U		80 U
2-Chloronaphthalene	UG/KG				78 U		77 U		78 U		87 U		87 U		77 U		76 U		80 U
2-Chlorophenol	UG/KG	800	5264423		78 U		77 U		78 U		87 U		87 U		77 U		76 U		80 U
2-Methylnaphthalene	UG/KG	36400			78 U		77 U		78 U		87 U		7.3 J		77 U		76 U		80 U
2-Methylphenol	UG/KG	100			78 U		77 U		78 U		87 U		87 U		77 U		76 U		80 U
2-Nitroaniline	UG/KG	430	63173		190 U		190 U		190 U		210 U		210 U		190 U		180 U		190 U
2-Nitrophenol	UG/KG	330			78 U		77 U		78 U		87 U		87 U		77 U		76 U		80 U
3,3 -Dichlorobenzidine	UG/KG				78 U		77 U		78 U		87 U		87 U		77 U		76 U		80 U
3-Nitroaniline	UG/KG	500	3158654		190 U		190 U		190 U		210 U		210 U		190 U		180 U		190 U
4,6-Dinitro-2-methylphenol	UG/KG				190 U		190 U		190 U		210 U		210 U		190 U		180 U		190 U
4-Bromophenyl phenyl ether	UG/KG		61067308		78 U		77 U		78 U		87 U		87 U		77 U		76 U		80 U
4-Chloro-3-methylphenol	UG/KG	240			78 U		77 U		78 U		87 U		87 U		77 U		76 U		80 U
4-Chloroaniline	UG/KG	220	4211538		78 U		77 U		78 U		87 U		87 U		77 U		76 U		80 U
4-Chlorophenyl phenyl ether	UG/KG				78 U		77 U		78 U		87 U		5.6 J		77 U		76 U		80 U
4-Methylphenol	UG/KG	900			78 U		77 U		78 U		87 U		87 U		77 U		76 U		80 U
4-Nitroaniline	UG/KG		3158654		190 U		190 U		190 U		210 U		210 U		190 U		180 U		190 U
4-Nitrophenol	UG/KG	100	63173077		190 U		190 U		190 U		210 U		210 U		190 U		180 U		190 U
Acenaphthene	UG/KG	50000			78 U		77 U		78 U		87 U		5.3 J		77 U		76 U		80 U
Acenaphthylene	UG/KG	41000			78 U		77 U		78 U		87 U		4.9 J		77 U		76 U		80 U
Anthracene	UG/KG	50000	315865385		78 U		77 U		78 U		6.9 J		6.1 J		77 U		76 U		80 U
Benzo[a]anthracene	UG/KG	224			78 U		77 U		78 U		37 J		16 J		77 U		76 U		80 U
Benzo[a]pyrene	UG/KG	61	9423		78 U		77 U		78 U		31 J		16 J		77 U		76 U		80 U
Benzo[b]fluoranthene	UG/KG	1100	94231		78 U		77 U		78 U		38 J		20 J		77 U		76 U		80 U
Benzo[ghi]perylene	UG/KG	50000			78 U		77 U		78 U		26 J		15 J		77 U		76 U		80 U
Benzo[k]fluoranthene	UG/KG	1100	942308		78 U		77 U		78 U		33 J		15 J		77 U		76 U		80 U
Bis(2-Chloroethoxy)methane	UG/KG				78 U		77 U		78 U		87 U		87 U		77 U		76 U		80 U
Bis(2-Chloroethyl)ether	UG/KG		62535		78 U		77 U		78 U		87 U		87 U		77 U		76 U		80 U
Bis(2-Chloroisopropyl)ether	UG/KG		982692		78 U		77 U		78 U		87 U		87 U		77 U		76 U		80 U
Bis(2-Ethylhexyl)phthalate	UG/KG	50000			7.2 JB		6.5 JB		6.8 JB		35 JB		12 JB		5.2 JB		6.6 JB		8.6 JB
Butylbenzylphthalate	UG/KG	50000	210576923		78 U		77 U		78 U		87 U		6.7 J		77 U		76 U		80 U
Carbazole	UG/KG		3439423		78 U		77 U		78 U		12 J		14 J		77 U		76 U		80 U
Chrysene	UG/KG	400	9423077		78 U		77 U		78 U		43 J		21 J		77 U		76 U		80 U
Di-n-butylphthalate	UG/KG	8100			78 U		77 U		78 U		87 U		7.7 J		77 U		76 U		80 U
Di-n-octylphthalate	UG/KG	50000	21057692		78 U		77 U		78 U		87 U		5.3 J		77 U		76 U		80 U
Dibenz[a,h]anthracene	UG/KG	14			78 U		77 U		78 U		11 J		11 J		77 U		76 U		80 U
Dibenzofuran	UG/KG	6200	4211538		78 U		77 U		78 U		87 U		6.5 J		77 U		76 U		80 U
Diethyl phthalate	UG/KG	7100	842307692		78 U		77 U		5.9 JB		4.8 JB		9.7 JB		77 U		6.3 JB		4.4 JB
Dimethylphthalate	UG/KG	2000	10528846150		78 U		77 U		78 U		87 U		87 U		77 U		76 U		80 U
Fluoranthene	UG/KG	50000	42115385		78 U		77 U		78 U		96		33 J		77 U		76 U		80 U
Fluorene	UG/KG	50000	42115385		78 U		77 U		78 U		87 U		6.5 J		77 U		76 U		80 U
Hexachlorobenzene	UG/KG	410	42993		78 U		77 U		78 U		87 U		87 U		77 U		76 U		80 U
Hexachlorobutadiene	UG/KG		210577		78 U		77 U		78 U		87 U		87 U		77 U		76 U		80 U
Hexachlorocyclopentadiene	UG/KG		7370192		78 U		77 U		78 U		87 U		87 U		77 U		76 U		80 U
Hexachloroethane	UG/KG		4913462		78 U		77 U		78 U		87 U		87 U		77 U		76 U		80 U
Indeno[1,2,3-cd]pyrene	UG/KG	3200	94231		78 U		77 U		78 U		24 J		14 J		77 U		76 U		80 U
Isophorone	UG/KG	4400			78 U		77 U		78 U		87 U		87 U		77 U		76 U		80 U
N-Nitrosodiphenylamine	UG/KG		14038462		78 U		77 U		78 U		87 U		87 U		77 U		76 U		80 U
N-Nitrosodipropylamine	UG/KG				78 U		77 U		78 U		87 U		87 U		77 U		76 U		80 U
Naphthalene	UG/KG	13000	42115385		78 U		77 U		78 U		87 U		87 U		77 U		76 U		80 U
Nitrobenzene	UG/KG	200	526442		78 U		77 U		78 U		87 U		87 U		77 U		76 U		80 U
Pentachlorophenol	UG/KG	1000	573237		190 U		190 U		190 U		210 U		210 U		190 U		180 U		190 U
Phenanthrene	UG/KG	50000			78 U		77 U		78 U		50 J		19 J		77 U		76 U		80 U
Phenol	UG/KG	30	831730769		78 U		77 U		78 U		87 U		87 U		77 U		76 U		80 U
Pyrene	UG/KG	50000	31586538		78 U		77 U		78 U		75 J		28 J		77 U		76 U		80 U
TPH	MG/KG				18.3 U		19.2 U		16.7 U						17.6 U		17.1 U		16.7 U

SITE				SEAD-120A		SEAD-120A		SEAD-120A	
DESCRIPTION				50 Area Dumping Areas		50 Area Dumping Areas		50 Area Dumping Areas	
LOC ID				TP120A-4		TP120A-5		TP120A-5	
SAMP_ID				EB162		EB163		EB164	
QC CODE				SA		SA		SA	
SAMP DETH TOP				2		0		1	
SAMP DEPTH BOT				2 5		0 6		1 2	
MATRIX				SOIL		SOIL		SOIL	
SAMP DATE				30-Mar-98		30-Mar-98		30-Mar-98	
PARAMETER	UNIT	TAGM	PRG-REC	VALUE	Q	VALUE	Q	VALUE	Q
1,2,4-Trichlorobenzene	UG/KG	3400	10528845		78 U		83 U		84 U
1,2-Dichlorobenzene	UG/KG	7900	94759615		78 U		83 U		84 U
1,3-Dichlorobenzene	UG/KG	1600	93706731		78 U		83 U		84 U
1,4-Dichlorobenzene	UG/KG	8500	2866186		78 U		83 U		84 U
2,4,5-Trichlorophenol	UG/KG	100	105288462		190 U		200 U		200 U
2,4,6-Trichlorophenol	UG/KG		6253497		78 U		83 U		84 U
2,4-Dichlorophenol	UG/KG	400	3158654		78 U		83 U		84 U
2,4-Dimethylphenol	UG/KG		21057692		78 U		83 U		84 U
2,4-Dinitrophenol	UG/KG	200	2105769		190 U		200 U		200 U
2,4-Dinitrotoluene	UG/KG		2105769		78 U		83 U		84 U
2,6-Dinitrotoluene	UG/KG	1000	1052885		78 U		83 U		84 U
2-Chloronaphthalene	UG/KG				78 U		83 U		84 U
2-Chlorophenol	UG/KG	800	5264423		78 U		83 U		84 U
2-Methylnaphthalene	UG/KG	36400			78 U		14 J		20 J
2-Methylphenol	UG/KG	100			78 U		83 U		84 U
2-Nitroaniline	UG/KG	430	63173		190 U		200 U		200 U
2-Nitrophenol	UG/KG	330			78 U		83 U		84 U
3,3 -Dichlorobenzidine	UG/KG				78 U		83 U		84 U
3-Nitroaniline	UG/KG	500	3158654		190 U		200 U		200 U
4,6-Dinitro-2-methylphenol	UG/KG				190 U		200 U		200 U
4-Bromophenyl phenyl ether	UG/KG		61067308		78 U		83 U		84 U
4-Chloro-3-methylphenol	UG/KG	240			78 U		83 U		84 U
4-Chloroaniline	UG/KG	220	4211538		78 U		83 U		84 U
4-Chlorophenyl phenyl ether	UG/KG				78 U		83 U		84 U
4-Methylphenol	UG/KG	900			78 U		83 U		84 U
4-Nitroaniline	UG/KG		3158654		190 U		200 U		200 U
4-Nitrophenol	UG/KG	100	63173077		190 U		200 U		200 U
Acenaphthene	UG/KG	50000			78 U		83 U		84 U
Acenaphthylene	UG/KG	41000			78 U		83 U		84 U
Anthracene	UG/KG	50000	315865385		78 U		83 U		84 U
Benzo[a]anthracene	UG/KG	224			78 U		5 3 J		5 7 J
Benzo[a]pyrene	UG/KG	61	9423		4 5 J		6 J		5 8 J
Benzo[b]fluoranthene	UG/KG	1100	94231		8 3 J		12 JY		7 3 J
Benzo[ghi]perylene	UG/KG	50000			4 5 J		9 J		7 1 J
Benzo[k]fluoranthene	UG/KG	1100	942308		78 U		83 U		5 2 J
Bis(2-Chloroethoxy)methane	UG/KG				78 U		83 U		84 U
Bis(2-Chloroethyl)ether	UG/KG		82535		78 U		83 U		84 U
Bis(2-Chloroisopropyl)ether	UG/KG		982692		78 U		83 U		84 U
Bis(2-Ethylhexyl)phthalate	UG/KG	50000			6 5 J		5 2 JB		4 4 JB
Butylbenzylphthalate	UG/KG	50000	210576923		9 3 JB		83 U		84 U
Carbazole	UG/KG		3439423		78 U		83 U		84 U
Chrysene	UG/KG	400	9423077		78 U		10 J		12 J
Di-n-butylphthalate	UG/KG	8100			4 8 J		83 U		84 U
Di-n-octylphthalate	UG/KG	50000	21057692		78 U		83 U		84 U
Dibenz[a,h]anthracene	UG/KG	14			6 2 J		83 U		84 U
Dibenzofuran	UG/KG	6200	4211538		78 U		83 U		6 6 J
Diethyl phthalate	UG/KG	7100	842307692		5 5 JB		83 U		5 7 JB
Dimethylphthalate	UG/KG	2000	10528846150		78 U		83 U		84 U
Fluoranthene	UG/KG	50000	42115385		78 U		10 J		9 6 J
Fluorene	UG/KG	50000	42115385		78 U		83 U		84 U
Hexachlorobenzene	UG/KG	410	42993		78 U		83 U		84 U
Hexachlorobutadiene	UG/KG		210577		78 U		83 U		84 U
Hexachlorocyclopentadiene	UG/KG		7370192		78 U		83 U		84 U
Hexachloroethane	UG/KG		4913462		78 U		83 U		84 U
Indeno[1,2,3-cd]pyrene	UG/KG	3200	94231		5 9 J		5 9 J		84 U
Isophorone	UG/KG	4400			78 U		83 U		84 U
N-Nitrosodiphenylamine	UG/KG		14038462		78 U		83 U		84 U
N-Nitrosodipropylamine	UG/KG				78 U		83 U		84 U
Naphthalene	UG/KG	13000	42115385		78 U		7 4 J		10 J
Nitrobenzene	UG/KG	200	526442		78 U		83 U		84 U
Pentachlorophenol	UG/KG	1000	573237		190 U		200 U		200 U
Phenanthrene	UG/KG	50000			78 U		17 J		22 J
Phenol	UG/KG	30	631730769		78 U		83 U		84 U
Pyrene	UG/KG	50000	31586538		78 U		9 9 J		10 J
TPH	MG/KG				18 4 U		18 4 U		21 4 U

Table 4-5
120A - Semivolatiles/TPH in Soil vs PRG-REC
Non-Evaluated FBS Sites

SITE				SEAD-120A		SEAD-120A		SEAD-120A		SEAD-120A		SEAD-120A		SEAD-120A		SEAD-120A	
DESCRIPTION				50 Area Dumping Areas		50 Area Dumping Areas		50 Area Dumping Areas		50 Area Dumping Areas		50 Area Dumping Areas		50 Area Dumping Areas		50 Area Dumping Areas	
LOC ID				TP120A-1		TP120A-1		TP120A-1		TP120A-2		TP120A-2		TP120A-3		TP120A-3		TP120A-4	
SAMP_ID				EB155		EB032		EB156		EB157		EB158		EB159		EB160		EB161	
QC CODE				SA		DU		SA		SA		SA		SA		SA		SA	
SAMP_DETH TOP				0		0		2		0		2		0		2		0	
SAMP_DEPTH BOT				0.6		0.6		2.5		0.2		2.2		0.6		2.5		0.6	
MATRIX				SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
SAMP_DATE				30-Mar-98		30-Mar-98		30-Mar-98		31-Mar-98		31-Mar-98		30-Mar-98		30-Mar-98		30-Mar-98	
PARAMETER	UNIT	TAGM	PRG-REC	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q
1,2,4-Trichlorobenzene	UG/KG	3400	10528846		78 U		77 U		78 U		87 U		87 U		77 U		76 U		80 U
1,2-Dichlorobenzene	UG/KG	7900	94759615		78 U		77 U		78 U		87 U		87 U		77 U		76 U		80 U
1,3-Dichlorobenzene	UG/KG	1600	93706731		78 U		77 U		78 U		87 U		87 U		77 U		76 U		80 U
1,4-Dichlorobenzene	UG/KG	8500	2866186		78 U		77 U		78 U		87 U		87 U		77 U		76 U		80 U
2,4,5-Trichlorophenol	UG/KG	100	105288462		190 U		190 U		190 U		210 U		210 U		190 U		180 U		190 U
2,4,6-Trichlorophenol	UG/KG		6253497		78 U		77 U		78 U		87 U		87 U		77 U		76 U		80 U
2,4-Dichlorophenol	UG/KG	400	3158654		78 U		77 U		78 U		87 U		87 U		77 U		76 U		80 U
2,4-Dimethylphenol	UG/KG		21057692		78 U		77 U		78 U		87 U		87 U		77 U		76 U		80 U
2,4-Dinitrophenol	UG/KG	200	2105769		190 U		190 U		190 U		210 U		210 U		190 U		180 U		190 U
2,4 Dinitrotoluene	UG/KG		2105769		78 U		77 U		78 U		87 U		87 U		77 U		76 U		80 U
2,6-Dinitrotoluene	UG/KG	1000	1052885		78 U		77 U		78 U		87 U		87 U		77 U		76 U		80 U
2-Chloronaphthalene	UG/KG				78 U		77 U		78 U		87 U		87 U		77 U		76 U		80 U
2-Chlorophenol	UG/KG	800	5264423		78 U		77 U		78 U		87 U		87 U		77 U		76 U		80 U
2-Methylnaphthalene	UG/KG	36400			78 U		77 U		78 U		87 U		7.3 J		77 U		76 U		80 U
2-Methylphenol	UG/KG	100			78 U		77 U		78 U		87 U		87 U		77 U		76 U		80 U
2-Nitroaniline	UG/KG	430	63173		190 U		190 U		190 U		210 U		210 U		190 U		180 U		190 U
2-Nitrophenol	UG/KG	330			78 U		77 U		78 U		87 U		87 U		77 U		76 U		80 U
3,3'-Dichlorobenzidine	UG/KG				78 U		77 U		78 U		87 U		87 U		77 U		76 U		80 U
3-Nitroaniline	UG/KG	500	3158654		190 U		190 U		190 U		210 U		210 U		190 U		180 U		190 U
4,6-Dinitro-2 methylphenol	UG/KG				190 U		190 U		190 U		210 U		210 U		190 U		180 U		190 U
4-Bromophenyl phenyl ether	UG/KG		61067308		78 U		77 U		78 U		87 U		87 U		77 U		76 U		80 U
4-Chloro-3-methylphenol	UG/KG	240			78 U		77 U		78 U		87 U		87 U		77 U		76 U		80 U
4-Chloroaniline	UG/KG	220	4211538		78 U		77 U		78 U		87 U		87 U		77 U		76 U		80 U
4-Chlorophenyl phenyl ether	UG/KG				78 U		77 U		78 U		87 U		5.6 J		77 U		76 U		80 U
4-Methylphenol	UG/KG	900			78 U		77 U		78 U		87 U		87 U		77 U		76 U		80 U
4-Nitroaniline	UG/KG		3158654		190 U		190 U		190 U		210 U		210 U		190 U		180 U		190 U
4-Nitrophenol	UG/KG	100	63173077		190 U		190 U		190 U		210 U		210 U		190 U		180 U		190 U
Acenaphthene	UG/KG	50000			78 U		77 U		78 U		87 U		5.3 J		77 U		76 U		80 U
Acenaphthylene	UG/KG	41000			78 U		77 U		78 U		87 U		4.9 J		77 U		76 U		80 U
Anthracene	UG/KG	50000	315865385		78 U		77 U		78 U		6.9 J		6.1 J		77 U		76 U		80 U
Benzo[a]anthracene	UG/KG	224			78 U		77 U		78 U		37 J		16 J		77 U		76 U		80 U
Benzo[a]pyrene	UG/KG	61	9423		78 U		77 U		78 U		31 J		16 J		77 U		76 U		80 U
Benzo[b]fluoranthene	UG/KG	1100	94231		78 U		77 U		78 U		38 J		20 J		77 U		76 U		80 U
Benzo[ghi]perylene	UG/KG	50000			78 U		77 U		78 U		26 J		15 J		77 U		76 U		80 U
Benzo[k]fluoranthene	UG/KG	1100	942308		78 U		77 U		78 U		33 J		15 J		77 U		76 U		80 U
Bis(2-Chloroethoxy)methane	UG/KG				78 U		77 U		78 U		87 U		87 U		77 U		76 U		80 U
Bis(2-Chloroethyl)ether	UG/KG		62535		78 U		77 U		78 U		87 U		87 U		77 U		76 U		80 U
Bis(2-Chloroisopropyl)ether	UG/KG		982692		78 U		77 U		78 U		87 U		87 U		77 U		76 U		80 U
Bis(2-Ethylhexyl)phthalate	UG/KG	50000			7.2 JB		6.5 JB		6.8 JB		35 JB		12 JB		5.2 JB		6.6 JB		8.6 JB
Butylbenzylphthalate	UG/KG	50000	210576923		78 U		77 U		78 U		87 U		6.7 J		77 U		76 U		80 U
Carbazole	UG/KG		3439423		78 U		77 U		78 U		12 J		14 J		77 U		76 U		80 U
Chrysene	UG/KG	400	9423077		78 U		77 U		78 U		43 J		21 J		77 U		76 U		80 U
Di-n-butylphthalate	UG/KG	8100			78 U		77 U		78 U		87 U		7.7 J		77 U		76 U		80 U
Di-n-octylphthalate	UG/KG	50000	21057692		78 U		77 U		78 U		87 U		5.3 J		77 U		76 U		80 U
Dibenz[a,h]anthracene	UG/KG	14			78 U		77 U		78 U		11 J		11 J		77 U		76 U		80 U
Dibenzofuran	UG/KG	6200	4211538		78 U		77 U		78 U		87 U		6.5 J		77 U		76 U		80 U
Diethyl phthalate	UG/KG	7100	842307692		78 U		77 U		5.9 JB		4.8 JB		9.7 JB		77 U		6.3 JB		4.4 JB
Dimethylphthalate	UG/KG	2000	10528846150		78 U		77 U		78 U		87 U		87 U		77 U		76 U		80 U
Fluoranthene	UG/KG	50000	42115385		78 U		77 U		78 U		96		33 J		77 U		76 U		80 U
Fluorene	UG/KG	50000	42115385		78 U		77 U		78 U		87 U		6.5 J		77 U		76 U		80 U
Hexachlorobenzene	UG/KG	410	42993		78 U		77 U		78 U		87 U		87 U		77 U		76 U		80 U
Hexachlorobutadiene	UG/KG		210577		78 U		77 U		78 U		87 U		87 U		77 U		76 U		80 U
Hexachlorocyclopentadiene	UG/KG		7370192		78 U		77 U		78 U		87 U		87 U		77 U		76 U		80 U
Hexachloroethane	UG/KG		4913462		78 U		77 U		78 U		87 U		87 U		77 U		76 U		80 U
Indeno[1,2,3-cd]pyrene	UG/KG	3200	94231		78 U		77 U		78 U		24 J		14 J		77 U		76 U		80 U
Isophorone	UG/KG	4400			78 U		77 U		78 U		87 U		87 U		77 U		76 U		80 U
N-Nitrosodiphenylamine	UG/KG		14038462		78 U		77 U		78 U		87 U		87 U		77 U		76 U		80 U
N-Nitrosodipropylamine	UG/KG				78 U		77 U		78 U		87 U		87 U		77 U		76 U		80 U
Naphthalene	UG/KG	13000	42115385		78 U		77 U		78 U		87 U		87 U		77 U		76 U		80 U
Nitrobenzene	UG/KG	200	526442		78 U		77 U		78 U		87 U		87 U		77 U		76 U		80 U
Pentachlorophenol	UG/KG	1000	573237		190 U		190 U		190 U		210 U		210 U		190 U		180 U		190 U
Phenanthrene	UG/KG	50000			78 U		77 U		78 U		50 J		19 J		77 U		76 U		80 U
Phenol	UG/KG	30	631730769		78 U		77 U		78 U		87 U		87 U		77 U		76 U		80 U
Pyrene	UG/KG	50000	31586538		78 U		77 U		78 U		75 J		28 J		77 U		76 U		80 U
TPH	MG/KG				18.3 U		19.2 U		16.7 U	ND		ND			17.6 U		17.1 U		16.7 U

SITE				SEAD-120A		SEAD-120A		SEAD-120A	
DESCRIPTION				50 Area Dumping Areas		50 Area Dumping Areas		50 Area Dumping Areas	
LOC ID				TP120A-4		TP120A-5		TP120A-5	
SAMP_ID				EB162		EB163		EB164	
QC CODE				SA		SA		SA	
SAMP DETH TOP				2		0		1	
SAMP DEPTH BOT				2 5		0 6		1 2	
MATRIX				SOIL		SOIL		SOIL	
SAMP DATE				30-Mar-98		30-Mar-98		30-Mar-98	
PARAMETER	UNIT	TAGM	PRG-REC	VALUE	Q	VALUE	Q	VALUE	Q
1,2,4-Trichlorobenzene	UG/KG	3400	10528846		78 U		83 U		84 U
1,2-Dichlorobenzene	UG/KG	7900	94759615		78 U		83 U		84 U
1,3-Dichlorobenzene	UG/KG	1600	93706731		78 U		83 U		84 U
1,4-Dichlorobenzene	UG/KG	8500	2886186		78 U		83 U		84 U
2,4,5-Trichlorophenol	UG/KG	100	105288462		190 U		200 U		200 U
2,4,6-Trichlorophenol	UG/KG		6253497		78 U		83 U		84 U
2,4-Dichlorophenol	UG/KG	400	3158654		78 U		83 U		84 U
2,4-Dimethylphenol	UG/KG		21057692		78 U		83 U		84 U
2,4-Dinitrophenol	UG/KG	200	2105769		190 U		200 U		200 U
2,4-Dinitrotoluene	UG/KG		2105769		78 U		83 U		84 U
2,6-Dinitrotoluene	UG/KG	1000	1052885		78 U		83 U		84 U
2-Chloronaphthalene	UG/KG				78 U		83 U		84 U
2-Chlorophenol	UG/KG	800	5264423		78 U		83 U		84 U
2-Methylnaphthalene	UG/KG	36400			78 U		14 J		20 J
2-Methylphenol	UG/KG	100			78 U		83 U		84 U
2-Nitroaniline	UG/KG	430	63173		190 U		200 U		200 U
2-Nitrophenol	UG/KG	330			78 U		83 U		84 U
3,3'-Dichlorobenzidine	UG/KG				78 U		83 U		84 U
3-Nitroaniline	UG/KG	500	3158654		190 U		200 U		200 U
4,6-Dinitro-2-methylphenol	UG/KG				190 U		200 U		200 U
4-Bromophenyl phenyl ether	UG/KG		61067308		78 U		83 U		84 U
4-Chloro-3-methylphenol	UG/KG	240			78 U		83 U		84 U
4-Chloroaniline	UG/KG	220	4211538		78 U		83 U		84 U
4-Chlorophenyl phenyl ether	UG/KG				78 U		83 U		84 U
4-Methylphenol	UG/KG	900			78 U		83 U		84 U
4-Nitroaniline	UG/KG		3158654		190 U		200 U		200 U
4-Nitrophenol	UG/KG	100	63173077		190 U		200 U		200 U
Acenaphthene	UG/KG	50000			78 U		83 U		84 U
Acenaphthylene	UG/KG	41000			78 U		83 U		84 U
Anthracene	UG/KG	50000	315865385		78 U		83 U		84 U
Benzo[a]anthracene	UG/KG	224			78 U		5 3 J		5 7 J
Benzo[a]pyrene	UG/KG	61	9423		4 5 J		6 J		5 6 J
Benzo[b]fluoranthene	UG/KG	1100	94231		8 3 J		12 JY		7 3 J
Benzo[ghi]perylene	UG/KG	50000			4 5 J		9 J		7 1 J
Benzo[k]fluoranthene	UG/KG	1100	942308		78 U		83 U		5 2 J
Bis(2 Chloroethoxy)methane	UG/KG				78 U		83 U		84 U
Bis(2-Chloroethyl)ether	UG/KG		62535		78 U		83 U		84 U
Bis(2-Chloroisopropyl)ether	UG/KG		982692		78 U		83 U		84 U
Bis(2-Ethylhexyl)phthalate	UG/KG	50000			6 5 J		5 2 JB		4 4 JB
Butylbenzylphthalate	UG/KG	50000	210576923		9 3 JB		83 U		84 U
Carbazole	UG/KG		3439423		78 U		83 U		84 U
Chrysene	UG/KG	400	9423077		78 U		10 J		12 J
Di-n-butylphthalate	UG/KG	8100			4 8 J		83 U		84 U
Di-n-octylphthalate	UG/KG	50000	21057692		78 U		83 U		84 U
Dibenz[a,h]anthracene	UG/KG	14			6 2 J		83 U		84 U
Dibenzofuran	UG/KG	6200	4211538		78 U		83 U		6 6 J
Diethyl phthalate	UG/KG	7100	842307692		5 5 JB		83 U		5 7 JB
Dimethylphthalate	UG/KG	2000	10528846150		78 U		83 U		84 U
Fluoranthene	UG/KG	50000	42115385		78 U		10 J		9 6 J
Fluorene	UG/KG	50000	42115385		78 U		83 U		84 U
Hexachlorobenzene	UG/KG	410	42993		78 U		83 U		84 U
Hexachlorobutadiene	UG/KG		210577		78 U		83 U		84 U
Hexachlorocyclopentadiene	UG/KG		7370192		78 U		83 U		84 U
Hexachloroethane	UG/KG		4913462		78 U		83 U		84 U
Indeno[1,2,3-cd]pyrene	UG/KG	3200	94231		5 9 J		5 9 J		84 U
Isophorone	UG/KG	4400			78 U		83 U		84 U
N-Nitrosodiphenylamine	UG/KG		14038462		78 U		83 U		84 U
N-Nitrosodipropylamine	UG/KG				78 U		83 U		84 U
Naphthalene	UG/KG	13000	42115385		78 U		7 4 J		10 J
Nitrobenzene	UG/KG	200	526442		78 U		83 U		84 U
Pentachlorophenol	UG/KG	1000	573237		190 U		200 U		200 U
Phenanthrene	UG/KG	50000			78 U		17 J		22 J
Phenol	UG/KG	30	831730769		78 U		83 U		84 U
Pyrene	UG/KG	50000	31586538		78 U		9 9 J		10 J
TPH	MG/KG				18 4 U		18 4 U		21 4 U

Table 4-6
120A - Metals in Soil vs TAGM
Non-Evaluated EBS Sites

SITE				SEAD-120A		SEAD-120A		SEAD-120A		SEAD-120A		SEAD-120A		SEAD-120A	
DESCRIPTION:				50 Area Dumping Areas		50 Area Dumping Areas		50 Area Dumping Areas		50 Area Dumping Areas		50 Area Dumping Areas		50 Area Dumping Areas	
LOC ID:				TP120A-1		TP120A-1		TP120A-1		TP120A-2		TP120A-2		TP120A-3	
SAMP_ID:				EB155		EB032		EB156		EB157		EB158		EB159	
QC CODE:				SA		DU		SA		SA		SA		SA	
SAMP. DETH TOP:				0		0		2		0		2		0	
SAMP. DEPTH BOT:				0 6		0 6		2.5		0.2		2.2		0.6	
MATRIX:				SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
SAMP. DATE:				30-Mar-98		30-Mar-98		30-Mar-98		31-Mar-98		31-Mar-98		30-Mar-98	
PARAMETER	UNIT	TAGM	PRG-REC	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q
Aluminum	MG/KG	19520	1052885	10100		11400		12800		13200		14500		12500	
Antimony	MG/KG	6	421	1.1	UN	1.2	UN	1.6	BN	1.9	BN	1.4	BN	1 2	UN
Arsenic	MG/KG	8.9	46	4.2		3.5		3.6		6		5.5		4.1	
Barium	MG/KG	300	73702	61		68.9		79.9		109		128		74.8	
Beryllium	MG/KG	1.13	16	0.36	B	0.44	B	0.49	B	0.49	B	0.59	B	0.46	B
Cadmium	MG/KG	2.46	526	0.07	U	0.07	U	0.07	U	0.07	U	0.08	U	0 07	U
Calcium	MG/KG	125300		85300	*	70100	*	23000	*	4280	*	5210	*	55100	*
Chromium	MG/KG	30		16 6		18.5		19.4		[redacted]		19.9		19.6	
Cobalt	MG/KG	30	6317	10.1	B	11	B	10.3	B	10.9	B	12	B	10 7	B
Copper	MG/KG	33	42115	21.8		21.8		26.4		[redacted]		20.4		22.8	
Cyanide	MG/KG	0.35		0 63	U	0.61	U	0.65	U	0.69	U	0.72	U	0.58	U
Iron	MG/KG	37410	315865	20600		22700		23900		[redacted]		25100		23400	
Lead	MG/KG	24.4		10.8		12.4		10.9		[redacted]		[redacted]		12.4	
Magnesium	MG/KG	21700		15900	*	13800	*	7800	*	3240	*	3650	*	10900	*
Manganese	MG/KG	1100	24216	486		463		567		757		945		497	
Mercury	MG/KG	0.1	316	0.06	U	0.06	U	0.06	U	0.07	B	0.06	B	0.05	U
Nickel	MG/KG	50	21058	31.3		31.3		34		35.2		26.6		32.3	
Potassium	MG/KG	2623		1630		1760		1660		2100		1690		2110	
Selenium	MG/KG	2	5264	1	UN*	1	UN*	1.1	UN*	1.2	BN*	1.6	N*	1	UN*
Silver	MG/KG	0.8	5264	0.29	U	0.54	B	0.3	U	0.3	U	0.34	U	0.29	U
Sodium	MG/KG	188		108	B	110	B	110	B	60.7	U	69.3	U	119	B
Thallium	MG/KG	0.855		1.5	U	1.5	U	1.6	U	[redacted]	B	1.8	U	1.5	U
Vanadium	MG/KG	150	7370	17.1		19.3		22		24.2		25.3		21	
Zinc	MG/KG	115	315865	67.5	E	73.3	E	72.8	E	100	E	94.7	E	83.7	E

Table 4-6
120A - Metals in Soil vs TAGM
Non-Evaluated EBS Sites

SITE:				SEAD-120A		SEAD-120A		SEAD-120A		SEAD-120A		SEAD-120A	
DESCRIPTION:				50 Area Dumping Areas		50 Area Dumping Areas		50 Area Dumping Areas		50 Area Dumping Areas		50 Area Dumping Areas	
LOC ID:				TP120A-3		TP120A-4		TP120A-4		TP120A-5		TP120A-5	
SAMP_ID:				EB160		EB161		EB162		EB163		EB164	
QC CODE:				SA		SA		SA		SA		SA	
SAMP. DETH TOP:				2		0		2		0		1	
SAMP. DEPTH BOT:				2.5		0.6		2.5		0 6		1.2	
MATRIX:				SOIL		SOIL		SOIL		SOIL		SOIL	
SAMP. DATE:				30-Mar-98		30-Mar-98		30-Mar-98		30-Mar-98		30-Mar-98	
PARAMETER	UNIT	TAGM	PRG-REC	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q
Aluminum	MG/KG	19520	1052885	10100		13100		10600		13300		14300	
Antimony	MG/KG	6	421	1.1	UN	1.2	UN	1.1	UN	1.2	UN	1.3	UN
Arsenic	MG/KG	8.9	46	3.5		3.8		4.3		3.7		3.1	
Barium	MG/KG	300	73702	62.4		82.5		62.7		120		134	
Beryllium	MG/KG	1.13	16	0.38	B	0.52	B	0.44	B	0.57	B	0.62	B
Cadmium	MG/KG	2.46	526	0 06	U	0.07	U	0.07	U	0.07	U	0.08	U
Calcium	MG/KG	125300		63200	*	25500	*	45700	*	15100	*	5450	*
Chromium	MG/KG	30		16 7		19.7		17.4		18.7		19.3	
Cobalt	MG/KG	30	6317	10 1	B	9.9	B	9.2	B	8.9	B	8.4	B
Copper	MG/KG	33	42115	21.2		22.6		23.7		20.5		20.1	
Cyanide	MG/KG	0.35		0 61	U	0.64	U	0 62	U	0.68	U	0.66	U
Iron	MG/KG	37410	315865	20500		23800		22100		22300		22900	
Lead	MG/KG	24 4		10 7		12.3		12.5		15.4		12.5	
Magnesium	MG/KG	21700		19600	*	7380	*	8800	*	5780	*	3680	*
Manganese	MG/KG	1100	24216	487		500		475		469		519	
Mercury	MG/KG	0.1	316	0.05	U	0.06	U	0.05	U	0.06	U	0.06	U
Nickel	MG/KG	50	21058	28.3		29.8		29.6		24.3		22.4	
Potassium	MG/KG	2623		1590		1950		1380		1720		1500	
Selenium	MG/KG	2	5264	1.3	N*	1.3	N*	1.5	N*	1	UN*	1.5	N*
Silver	MG/KG	0.8	5264	0.28	U	0.3	U	0.28	U	0 3	U	0.33	U
Sodium	MG/KG	188		86 1	B	59.9	U	91.2	B	61	U	65.7	U
Thallium	MG/KG	0.855		1 4	U	1.5	U	[illegible]	B	1.6	U	1.7	U
Vanadium	MG/KG	150	7370	17.6		22.6		17.5		23.1		24	
Zinc	MG/KG	115	315865	80	E	96.1	E	83.7	E	87.6	E	81.4	E

Table 4-7
120A - Metals in Soil vs PRG-REC
Non-Evaluated EBS Sites

SITE				SEAD-120A	SEAD-120A	SEAD-120A	SEAD-120A	SEAD-120A	SEAD-120A
DESCRIPTION				50 Area Dumping Areas	50 Area Dumping Areas	50 Area Dumping Areas	50 Area Dumping Areas	50 Area Dumping Areas	50 Area Dumping Areas
LOC ID				TP120A-1	TP120A-1	TP120A-1	TP120A-2	TP120A-2	TP120A-3
SAMP_ID				EB155	EB032	EB156	EB157	EB158	EB159
QC CODE				SA	DU	SA	SA	SA	SA
SAMP DETH TOP				0	0	2	0	2	0
SAMP DEPTH BOT				0.6	0 6	2.5	0.2	2.2	0.6
MATRIX				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
SAMP DATE				30-Mar-98	30-Mar-98	30-Mar-98	31-Mar-98	31-Mar-98	30-Mar-98
PARAMETER	UNIT	TAGM	PRG-REC	VALUE Q	VALUE Q	VALUE Q	VALUE Q	VALUE Q	VALUE Q
Aluminum	MG/KG	14592 84	1052885	10100	11400	12800	13200	14500	12500
Antimony	MG/KG	3.59	421	1.1 UN	1.2 UN	1 6 BN	1.9 BN	1.4 BN	1.2 UN
Arsenic	MG/KG	7.5	46	4.2	3.5	3.6	6	5.5	4.1
Barium	MG/KG	300	73702	61	68.9	79.9	109	128	74.8
Beryllium	MG/KG	0.73	16	0.36 B	0.44 B	0.49 B	0.49 B	0.59 B	0 46 B
Cadmium	MG/KG	1	526	0.07 U	0.07 U	0.07 U	0.07 U	0.08 U	0.07 U
Calcium	MG/KG	101903 8		85300 *	70100 *	23000 *	4280 *	5210 *	55100 *
Chromium	MG/KG	22.13		16.6	18.5	19.4	31.5	19.9	19.6
Cobalt	MG/KG	30	6317	10.1 B	11 B	10.3 B	10.9 B	12 B	10.7 B
Copper	MG/KG	25	42115	21 8	21.8	26.4	57.7	20.4	22.8
Cyanide	MG/KG	0.3		0.63 U	0 61 U	0.65 U	0.69 U	0.72 U	0.58 U
Iron	MG/KG	26626 65	315865	20600	22700	23900	44500	25100	23400
Lead	MG/KG	21.86		10.8	12.4	10.9	68.3	47.5	12.4
Magnesium	MG/KG	12221.77		15900 *	13800 *	7800 *	3240 *	3650 *	10900 *
Manganese	MG/KG	669.38	24216	486	463	567	757	945	497
Mercury	MG/KG	0.1	316	0 06 U	0.06 U	0.06 U	0.07 B	0.06 B	0 05 U
Nickel	MG/KG	33 62	21058	31.3	31.3	34	35.2	26.6	32.3
Potassium	MG/KG	1761 48		1630	1760	1660	2100	1690	2110
Selenium	MG/KG	2	5264	1 UN*	1 UN*	1.1 UN*	1.2 BN*	1.6 N*	1 UN*
Silver	MG/KG	0.4	5264	0 29 U	0 54 B	0.3 U	0.3 U	0.34 U	0.29 U
Sodium	MG/KG	103.74		108 B	110 B	110 B	60.7 U	69.3 U	119 B
Thallium	MG/KG	0 28		1.5 U	1.5 U	1.6 U	2.1 B	1.8 U	1.5 U
Vanadium	MG/KG	150	7370	17.1	19.3	22	24.2	25.3	21
Zinc	MG/KG	82.5	315865	67.5 E	73.3 E	72.8 E	100 E	94.7 E	83.7 E

Table 4-7
120A - Metals in Soil vs PRG-REC
Non-Evaluated EBS Sites

SITE				SEAD-120A		SEAD-120A		SEAD-120A		SEAD-120A		SEAD-120A	
DESCRIPTION				50 Area Dumping Areas		50 Area Dumping Areas		50 Area Dumping Areas		50 Area Dumping Areas		50 Area Dumping Areas	
LOC ID				TP120A-3		TP120A-4		TP120A-4		TP120A-5		TP120A-5	
SAMP_ID				EB160		EB161		EB162		EB163		EB164	
QC CODE				SA		SA		SA		SA		SA	
SAMP DETH TOP				2		0		2		0		1	
SAMP DEPTH BOT				2 5		0 6		2.5		0.6		1.2	
MATRIX				SOIL		SOIL		SOIL		SOIL		SOIL	
SAMP DATE				30-Mar-98		30-Mar-98		30-Mar-98		30-Mar-98		30-Mar-98	
PARAMETER	UNIT	TAGM	PRG-REC	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q
Aluminum	MG/KG	14592 84	1052885	10100		13100		10600		13300		14300	
Antimony	MG/KG	3.59	421	1 1	UN	1.2	UN	1.1	UN	1 2	UN	1.3	UN
Arsenic	MG/KG	7.5	46	3 5		3.8		4.3		3.7		3.1	
Barium	MG/KG	300	73702	62.4		82.5		62.7		120		134	
Beryllium	MG/KG	0 73	16	0.38	B	0.52	B	0.44	B	0.57	B	0.62	B
Cadmium	MG/KG	1	526	0 06	U	0.07	U	0.07	U	0.07	U	0.08	U
Calcium	MG/KG	101903 8		63200	*	25500	*	45700	*	15100	*	5450	*
Chromium	MG/KG	22.13		16 7		19.7		17.4		18.7		19.3	
Cobalt	MG/KG	30	6317	10 1	B	9.9	B	9.2	B	8.9	B	8.4	B
Copper	MG/KG	25	42115	21 2		22.6		23.7		20.5		20.1	
Cyanide	MG/KG	0.3		0 61	U	0.64	U	0.62	U	0.68	U	0.66	U
Iron	MG/KG	26626.65	315865	20500		23800		22100		22300		22900	
Lead	MG/KG	21.86		10.7		12.3		12.5		15.4		12.5	
Magnesium	MG/KG	12221 77		19600	*	7380	*	8800	*	5780	*	3680	*
Manganese	MG/KG	669.38	24216	487		500		475		469		519	
Mercury	MG/KG	0 1	316	0.05	U	0.06	U	0.05	U	0.06	U	0.06	U
Nickel	MG/KG	33.62	21058	28.3		29.8		29.6		24.3		22.4	
Potassium	MG/KG	1761.48		1590		1950		1380		1720		1500	
Selenium	MG/KG	2	5264	1 3	N*	1.3	N*	1.5	N*	1	UN*	1.5	N*
Silver	MG/KG	0.4	5264	0 28	U	0.3	U	0.28	U	0.3	U	0.33	U
Sodium	MG/KG	103.74		86 1	B	59.9	U	91.2	B	61	U	65.7	U
Thallium	MG/KG	0.28		1.4	U	1.5	U	1.5	B	1.6	U	1.7	U
Vanadium	MG/KG	150	7370	17 6		22.6		17.5		23.1		24	
Zinc	MG/KG	82.5	315865	80	E	96.1	E	83.7	E	87.6	E	81.4	E

Table 4-8
120A - Pesticides/PCB in Soil vs TAGM
Non-Evaluated EBS Sites

SITE				SEAD-120A		SEAD-120A		SEAD-120A		SEAD-120A		SEAD-120A		SEAD-120A	
DESCRIPTION				50 Area Dumping Areas		50 Area Dumping Areas		50 Area Dumping Areas		50 Area Dumping Areas		50 Area Dumping Areas		50 Area Dumping Areas	
LOC ID.				TP120A-1		TP120A-1		TP120A-1		TP120A-2		TP120A-2		TP120A-3	
SAMP_ID:				EB155		EB032		EB156		EB157		EB158		EB159	
QC CODE:				SA		DU		SA		SA		SA		SA	
SAMP DETH TOP:				0		0		2		0		2		0	
SAMP DEPTH BOT:				0 6		0.6		2.5		0,2		2.2		0.6	
MATRIX				SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
SAMP. DATE:				30-Mar-98		30-Mar-98		30-Mar-98		31-Mar-98		31-Mar-98		30-Mar-98	
PARAMETER	UNIT	TAGM	PRG-REC	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q
4,4'-DDD	UG/KG	2900		3 9	U	3.8	U	3.9	U	4.3	U	4.3	U	3.8	U
4,4'-DDE	UG/KG	2100		3 9	U	3 8	U	3.9	U	4.3	U	4.3	U	3.8	U
4,4'-DDT	UG/KG	2100		3 9	U	3.8	U	3.9	U	4.3	U	4.3	U	3.8	U
Aldrin	UG/KG	41	4046	2	U	2	U	2	U	2.2	U	2.2	U	2	U
Alpha-BHC	UG/KG	110		2	U	2	U	2	U	2.2	U	2.2	U	2	U
Alpha-Chlordane	UG/KG			2	U	2	U	2	U	2.2	U	2.2	U	2	U
Aroclor-1016	UG/KG		73702	39	U	38	U	39	U	43	U	43	U	38	U
Aroclor-1221	UG/KG			78	U	78	U	79	U	88	U	88	U	78	U
Aroclor-1232	UG/KG			39	U	38	U	39	U	43	U	43	U	38	U
Aroclor-1242	UG/KG			39	U	38	U	39	U	43	U	43	U	38	U
Aroclor-1248	UG/KG			39	U	38	U	39	U	43	U	43	U	38	U
Aroclor-1254	UG/KG	10000	21058	39	U	38	U	39	U	43	U	43	U	38	U
Aroclor-1260	UG/KG	10000		39	U	38	U	39	U	43	U	43	U	38	U
Beta-BHC	UG/KG	200		2	U	2	U	2	U	2.2	U	2.2	U	2	U
Delta-BHC	UG/KG	300		2	U	2	U	2	U	2.2	U	2.2	U	2	U
Dieldrin	UG/KG	44	4299	3.9	U	3 8	U	3.9	U	4.3	U	4.3	U	3.8	U
Endosulfan I	UG/KG	900		2	U	2	U	2	U	2.2	U	2.2	U	2	U
Endosulfan II	UG/KG	900		3.9	U	3.8	U	3.9	U	4.3	U	4.3	U	3.8	U
Endosulfan sulfate	UG/KG	1000		3.9	U	3.8	U	3.9	U	4.3	U	4 3	U	3.8	U
Endrin	UG/KG	100	315865	3.9	U	3.8	U	3.9	U	4.3	U	4.3	U	3.8	U
Endrin aldehyde	UG/KG			3.9	U	3.8	U	3.9	U	4.3	U	4.3	U	3.8	U
Endrin ketone	UG/KG			3 9	U	3.8	U	3.9	U	4.3	U	4.3	U	3.8	U
Gamma-BHC/Lindane	UG/KG	60		2	U	2	U	2	U	2.2	U	2.2	U	2	U
Gamma-Chlordane	UG/KG	540		2	U	2	U	2	U	2.2	U	2.2	U	2	U
Heptachlor	UG/KG	100	15286	2	U	2	U	2	U	2.2	U	2.2	U	2	U
Heptachlor epoxide	UG/KG	20	7559	2	U	2	U	2	U	2.2	U	2.2	U	2	U
Methoxychlor	UG/KG		5264423	20	U	20	U	20	U	22	U	22	U	20	U
Toxaphene	UG/KG			200	U	200	U	200	U	220	U	220	U	200	U

Table 4-8
120A - Pesticides/PCB in Soil vs TAGM
Non-Evaluated EBS Sites

SITE:				SEAD-120A		SEAD-120A		SEAD-120A		SEAD-120A		SEAD-120A	
DESCRIPTION:				50 Area Dumping Areas		50 Area Dumping Areas		50 Area Dumping Areas		50 Area Dumping Areas		50 Area Dumping Areas	
LOC ID:				TP120A-3		TP120A-4		TP120A-4		TP120A-5		TP120A-5	
SAMP_ID				EB160		EB161		EB162		EB163		EB164	
QC CODE:				SA		SA		SA		SA		SA	
SAMP DETH TOP:				2		0		2		0		1	
SAMP DEPTH BOT:				2.5		0.6		2.5		0.6		1.2	
MATRIX:				SOIL		SOIL		SOIL		SOIL		SOIL	
SAMP DATE:				30-Mar-98		30-Mar-98		30-Mar-98		30-Mar-98		30-Mar-98	
PARAMETER	UNIT	TAGM	PRG-REC	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q
4,4`-DDD	UG/KG	2900			3.8 U		4 U		3.9 U		4.2 U		4.2 U
4,4`-DDE	UG/KG	2100			3.8 U		4 U		3.9 U		4.2 U		4.2 U
4,4`-DDT	UG/KG	2100			3.1 JP		4 U		3.9 U		2.7 JP		4.2 U
Aldrin	UG/KG	41	4046		1.9 U		2.1 U		2 U		2.2 U		2.2 U
Alpha-BHC	UG/KG	110			1.9 U		2.1 U		2 U		2.2 U		2.3
Alpha-Chlordane	UG/KG				1.9 U		2.1 U		2 U		2.2 U		2.2 U
Aroclor-1016	UG/KG		73702		38 U		40 U		39 U		42 U		42 U
Aroclor-1221	UG/KG				77 U		81 U		79 U		85 U		86 U
Aroclor-1232	UG/KG				38 U		40 U		39 U		42 U		42 U
Aroclor-1242	UG/KG				38 U		40 U		39 U		42 U		42 U
Aroclor-1248	UG/KG				38 U		40 U		39 U		42 U		42 U
Aroclor-1254	UG/KG	10000	21058		38 U		40 U		39 U		42 U		42 U
Aroclor-1260	UG/KG	10000			38 U		40 U		39 U		42 U		42 U
Beta-BHC	UG/KG	200			1.9 U		2.1 U		2 U		2.2 U		2.2 U
Delta-BHC	UG/KG	300			1.9 U		2.1 U		2 U		2.2 U		14
Dieldrin	UG/KG	44	4299		3.8 U		4 U		3.9 U		4.2 U		4.2 U
Endosulfan I	UG/KG	900			1.9 U		2.1 U		2 U		2.2 U		2.2 U
Endosulfan II	UG/KG	900			3.8 U		4 U		3.9 U		4.2 U		4.2 U
Endosulfan sulfate	UG/KG	1000			3.8 U		4 U		3.9 U		4.2 U		4.2 U
Endrin	UG/KG	100	315865		3.8 U		4 U		3.9 U		4.2 U		4.2 U
Endrin aldehyde	UG/KG				3.8 U		4 U		3.9 U		4.2 U		4.2 U
Endrin ketone	UG/KG				3.8 U		4 U		3.9 U		4.2 U		4.2 U
Gamma-BHC/Lindane	UG/KG	60			1.9 U		2.1 U		2 U		2.2 U		8.8
Gamma-Chlordane	UG/KG	540			1.9 U		2.1 U		2 U		2.2 U		2.2 U
Heptachlor	UG/KG	100	15286		1.9 U		2.1 U		2 U		2.2 U		2.2 U
Heptachlor epoxide	UG/KG	20	7559		1.9 U		2.1 U		2 U		2.2 U		2.2 U
Methoxychlor	UG/KG		5264423		19 U		21 U		20 U		22 U		22 U
Toxaphene	UG/KG				190 U		210 U		200 U		220 U		220 U

Table 4-9
120A - Pesticides/PCBs in Soil vs PRG-REC
Non-Evaluated EBS Sites

SITE				SEAD-120A		SEAD-120A		SEAD-120A		SEAD-120A		SEAD-120A		SEAD-120A	
DESCRIPTION				50 Area Dumping Areas.		50 Area Dumping Areas.		50 Area Dumping Areas.		50 Area Dumping Areas.		50 Area Dumping Areas.		50 Area Dumping Areas.	
LOC ID				TP120A-1		TP120A-1		TP120A-1		TP120A-2		TP120A-2		TP120A-3	
SAMP_ID				EB155		EB032		EB156		EB157		EB158		EB159	
QC CODE				SA		DU		SA		SA		SA		SA	
SAMP_DETH TOP				0		0		2		0		2		0	
SAMP_DEPTH BOT				0 6		0.6		2 5		0.2		2 2		0.6	
MATRIX				SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
SAMP_DATE				30-Mar-98		30-Mar-98		30-Mar-98		31-Mar-98		31-Mar-98		30-Mar-98	
PARAMETER	UNIT	TAGM	PRG-REC	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q
4,4`-DDD	UG/KG	2900		3.9	U	3.8	U	3.9	U	4.3	U	4.3	U	3.8	U
4,4`-DDE	UG/KG	2100		3.9	U	3.8	U	3.9	U	4.3	U	4.3	U	3.8	U
4,4`-DDT	UG/KG	2100		3.9	U	3.8	U	3.9	U	4.3	U	4.3	U	3.8	U
Aldrin	UG/KG	41	4046	2	U	2	U	2	U	2.2	U	2.2	U	2	U
Alpha-BHC	UG/KG	110		2	U	2	U	2	U	2.2	U	2.2	U	2	U
Alpha-Chlordane	UG/KG			2	U	2	U	2	U	2.2	U	2.2	U	2	U
Aroclor-1016	UG/KG		73702	39	U	38	U	39	U	43	U	43	U	38	U
Aroclor-1221	UG/KG			78	U	78	U	79	U	88	U	88	U	78	U
Aroclor-1232	UG/KG			39	U	38	U	39	U	43	U	43	U	38	U
Aroclor-1242	UG/KG			39	U	38	U	39	U	43	U	43	U	38	U
Aroclor-1248	UG/KG			39	U	38	U	39	U	43	U	43	U	38	U
Aroclor-1254	UG/KG	10000	21058	39	U	38	U	39	U	43	U	43	U	38	U
Aroclor-1260	UG/KG	10000		39	U	38	U	39	U	43	U	43	U	38	U
Beta-BHC	UG/KG	200		2	U	2	U	2	U	2.2	U	2.2	U	2	U
Delta-BHC	UG/KG	300		2	U	2	U	2	U	2.2	U	2.2	U	2	U
Dieldrin	UG/KG	44	4299	3.9	U	3.8	U	3.9	U	4.3	U	4.3	U	3.8	U
Endosulfan I	UG/KG	900		2	U	2	U	2	U	2.2	U	2.2	U	2	U
Endosulfan II	UG/KG	900		3.9	U	3.8	U	3.9	U	4.3	U	4.3	U	3.8	U
Endosulfan sulfate	UG/KG	1000		3.9	U	3.8	U	3.9	U	4.3	U	4.3	U	3.8	U
Endrin	UG/KG	100	315865	3.9	U	3.8	U	3.9	U	4.3	U	4.3	U	3.8	U
Endrin aldehyde	UG/KG			3.9	U	3.8	U	3.9	U	4.3	U	4.3	U	3.8	U
Endrin ketone	UG/KG			3.9	U	3.8	U	3.9	U	4.3	U	4.3	U	3.8	U
Gamma-BHC/Lindane	UG/KG	60		2	U	2	U	2	U	2.2	U	2.2	U	2	U
Gamma-Chlordane	UG/KG	540		2	U	2	U	2	U	2.2	U	2.2	U	2	U
Heptachlor	UG/KG	100	15286	2	U	2	U	2	U	2.2	U	2.2	U	2	U
Heptachlor epoxide	UG/KG	20	7559	2	U	2	U	2	U	2.2	U	2.2	U	2	U
Methoxychlor	UG/KG		5264423	20	U	20	U	20	U	22	U	22	U	20	U
Toxaphene	UG/KG			200	U	200	U	200	U	220	U	220	U	200	U

Table 4-9
120A - Pesticides/PCBs in Soil vs PRG-REC
Non-Evaluated EBS Sites

SITE:				SEAD-120A		SEAD-120A		SEAD-120A		SEAD-120A		SEAD-120A	
DESCRIPTION:				50 Area Dumping Areas.		50 Area Dumping Areas.		50 Area Dumping Areas.		50 Area Dumping Areas.		50 Area Dumping Areas.	
LOC ID:				TP120A-3		TP120A-4		TP120A-4		TP120A-5		TP120A-5	
SAMP_ID:				EB160		EB161		EB162		EB163		EB164	
QC CODE:				SA		SA		SA		SA		SA	
SAMP_DETH TOP:				2		0		2		0		1	
SAMP_DEPTH BOT:				2 5		0.6		2.5		0.6		1.2	
MATRIX:				SOIL		SOIL		SOIL		SOIL		SOIL	
SAMP_DATE:				30-Mar-98		30-Mar-98		30-Mar-98		30-Mar-98		30-Mar-98	
PARAMETER	UNIT	TAGM	PRG-REC	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q
4,4`-DDD	UG/KG	2900			3 8 U		4 U		3 9 U		4.2 U		4.2 U
4,4`-DDE	UG/KG	2100			3 8 U		4 U		3.9 U		4 2 U		4.2 U
4,4`-DDT	UG/KG	2100			3.1 JP		4 U		3.9 U		2.7 JP		4.2 U
Aldrin	UG/KG	41	4046		1 9 U		2.1 U		2 U		2.2 U		2.2 U
Alpha-BHC	UG/KG	110			1.9 U		2.1 U		2 U		2.2 U		2.3
Alpha-Chlordane	UG/KG				1.9 U		2.1 U		2 U		2.2 U		2.2 U
Aroclor-1016	UG/KG		73702		38 U		40 U		39 U		42 U		42 U
Aroclor-1221	UG/KG				77 U		81 U		79 U		85 U		86 U
Aroclor-1232	UG/KG				38 U		40 U		39 U		42 U		42 U
Aroclor-1242	UG/KG				38 U		40 U		39 U		42 U		42 U
Aroclor-1248	UG/KG				38 U		40 U		39 U		42 U		42 U
Aroclor-1254	UG/KG	10000	21058		38 U		40 U		39 U		42 U		42 U
Aroclor-1260	UG/KG	10000			38 U		40 U		39 U		42 U		42 U
Beta-BHC	UG/KG	200			1 9 U		2.1 U		2 U		2.2 U		2.2 U
Delta-BHC	UG/KG	300			1.9 U		2.1 U		2 U		2.2 U		14
Dieldrin	UG/KG	44	4299		3 8 U		4 U		3.9 U		4.2 U		4.2 U
Endosulfan I	UG/KG	900			1.9 U		2.1 U		2 U		2.2 U		2.2 U
Endosulfan II	UG/KG	900			3 8 U		4 U		3.9 U		4.2 U		4.2 U
Endosulfan sulfate	UG/KG	1000			3.8 U		4 U		3.9 U		4 2 U		4.2 U
Endrin	UG/KG	100	315865		3.8 U		4 U		3.9 U		4.2 U		4.2 U
Endrin aldehyde	UG/KG				3.8 U		4 U		3.9 U		4.2 U		4.2 U
Endrin ketone	UG/KG				3.8 U		4 U		3 9 U		4 2 U		4.2 U
Gamma-BHC/Lindane	UG/KG	60			1.9 U		2.1 U		2 U		2.2 U		8.8
Gamma-Chlordane	UG/KG	540			1.9 U		2.1 U		2 U		2.2 U		2.2 U
Heptachlor	UG/KG	100	15286		1.9 U		2.1 U		2 U		2.2 U		2.2 U
Heptachlor epoxide	UG/KG	20	7559		1.9 U		2.1 U		2 U		2.2 U		2.2 U
Methoxychlor	UG/KG		5264423		19 U		21 U		20 U		22 U		22 U
Toxaphene	UG/KG				190 U		210 U		200 U		220 U		220 U

Table 4-10
120A - Herbicides in Soil vs TAGM
Non-Evaluated EBS Sites

SITE:				SEAD-120A		SEAD-120A		SEAD-120A		SEAD-120A		SEAD-120A		SEAD-120A	
DESCRIPTION:				50 Area Dumping Areas		50 Area Dumping Areas		50 Area Dumping Areas		50 Area Dumping Areas		50 Area Dumping Areas		50 Area Dumping Areas	
LOC ID:				TP120A-1		TP120A-1		TP120A-1		TP120A-2		TP120A-2		TP120A-3	
SAMP_ID:				EB155		EB032		EB156		EB157		EB158		EB159	
QC CODE:				SA		DU		SA		SA		SA		SA	
SAMP. DETH TOP:				0		0		2		0		2		0	
SAMP. DEPTH BOT:				0.6		0.6		2.5		0.2		2.2		0.6	
MATRIX:				SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
SAMP. DATE:				30-Mar-98		30-Mar-98		30-Mar-98		31-Mar-98		31-Mar-98		30-Mar-98	
PARAMETER	UNIT	TAGM	PRG-REC	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q
2,4,5-T	UG/KG	1900		5.6	U	NA		5.7	U	6.3	U	6.3	U	5.6	U
2,4,5-TP/Silvex	UG/KG	700		5.6	U	NA		5.7	U	6.3	U	6.3	U	5.6	U
2,4-D	UG/KG	500		55	U	NA		56	U	62	U	62	U	55	U
2,4-DB	UG/KG			56	U	NA		57	U	63	U	63	U	56	U
3,5-Dichlorobenzoic acid	UG/KG			55	U	NA		56	U	62	U	62	U	55	U
Dalapon	UG/KG			300	U	NA		310	U	340	U	340	U	300	U
Dicamba	UG/KG			5.5	U	NA		5.6	U	6.2	U	6.2	U	5.5	U
Dichloroprop	UG/KG			55	U	NA		56	U	62	U	62	U	55	U
Dinoseb	UG/KG			28	U	NA		28	U	32	U	32	U	28	U
MCPA	UG/KG			5500	U	NA		5600	U	6200	U	6200	U	5500	U
MCPP	UG/KG			5500	U	NA		5600	U	6200	U	6200	U	5500	U
Pentachlorophenol	UG/KG	1000	573237	20	U	NA		20	U	22	U	22	U	20	U
Picloram	UG/KG		73701923	5.6	U	NA		5.7	U	6.3	U	6.3	U	5.6	U

Table 4-10
120A - Herbicides in Soil vs TAGM
Non-Evaluated EBS Sites

SITE:				SEAD-120A		SEAD-120A		SEAD-120A		SEAD-120A		SEAD-120A	
DESCRIPTION:				50 Area Dumping Areas		50 Area Dumping Areas		50 Area Dumping Areas		50 Area Dumping Areas		50 Area Dumping Areas	
LOC ID:				TP120A-3		TP120A-4		TP120A-4		TP120A-5		TP120A-5	
SAMP_ID:				EB160		EB161		EB162		EB163		EB164	
QC CODE:				SA		SA		SA		SA		SA	
SAMP DETH TOP:				2		0		2		0		1	
SAMP DEPTH BOT:				2.5		0.6		2.5		0.6		1.2	
MATRIX				SOIL		SOIL		SOIL		SOIL		SOIL	
SAMP DATE:				30-Mar-98		30-Mar-98		30-Mar-98		30-Mar-98		30-Mar-98	
PARAMETER	UNIT	TAGM	PRG-REC	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q
2,4,5-T	UG/KG	1900		5.5	U	5.8	U	5.6	U	6.1	U	6.2	U
2,4,5-TP/Silvex	UG/KG	700		5.5	U	5.8	U	5.6	U	6.1	U	6.2	U
2,4-D	UG/KG	500		54	U	57	U	55	U	59	U	60	U
2,4-DB	UG/KG			55	U	58	U	56	U	61	U	62	U
3,5-Dichlorobenzoic acid	UG/KG			54	U	57	U	55	U	59	U	60	U
Dalapon	UG/KG			300	U	320	U	300	U	330	U	330	U
Dicamba	UG/KG			5.4	U	5.7	U	5.5	U	5.9	U	6	U
Dichloroprop	UG/KG			54	U	57	U	55	U	59	U	60	U
Dinoseb	UG/KG			28	U	29	U	28	U	30	U	31	U
MCPA	UG/KG			5400	U	5700	U	5500	U	5900	U	6000	U
MCPP	UG/KG			5400	U	5700	U	5500	U	5900	U	6000	U
Pentachlorophenol	UG/KG	1000	573237	20	U	21	U	20	U	22	U	22	U
Picloram	UG/KG		73701923	5.5	U	5.8	U	5.6	U	6.1	U	6.2	U

Table 4-11
120A - Herbicides in Soil vs PRG-REC
Non-Evaluated EBS Sites

SITE:				SEAD-120A		SEAD-120A		SEAD-120A		SEAD-120A		SEAD-120A	
DESCRIPTION:				50 Area Dumping Areas		50 Area Dumping Areas		50 Area Dumping Areas		50 Area Dumping Areas		50 Area Dumping Areas	
LOC ID:				TP120A-3		TP120A-4		TP120A-4		TP120A-5		TP120A-5	
SAMP_ID:				EB160		EB161		EB162		EB163		EB164	
QC CODE:				SA		SA		SA		SA		SA	
SAMP DETH TOP:				2		0		2		0		1	
SAMP DEPTH BOT:				2 5		0 6		2.5		0.6		1.2	
MATRIX:				SOIL		SOIL		SOIL		SOIL		SOIL	
SAMP DATE:				30-Mar-98		30-Mar-98		30-Mar-98		30-Mar-98		30-Mar-98	
PARAMETER	UNIT	TAGM	PRG-REC	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q
2,4,5-T	UG/KG	1900		5 5	U	5.8	U	5.6	U	6.1	U	6.2	U
2,4,5-TP/Silvex	UG/KG	700		5 5	U	5.8	U	5.6	U	6.1	U	6.2	U
2,4-D	UG/KG	500		54	U	57	U	55	U	59	U	60	U
2,4-DB	UG/KG			55	U	58	U	56	U	61	U	62	U
3,5-Dichlorobenzoic acid	UG/KG			54	U	57	U	55	U	59	U	60	U
Dalapon	UG/KG			300	U	320	U	300	U	330	U	330	U
Dicamba	UG/KG			5 4	U	5.7	U	5.5	U	5.9	U	6	U
Dichloroprop	UG/KG			54	U	57	U	55	U	59	U	60	U
Dinoseb	UG/KG			28	U	29	U	28	U	30	U	31	U
MCPA	UG/KG			5400	U	5700	U	5500	U	5900	U	6000	U
MCPP	UG/KG			5400	U	5700	U	5500	U	5900	U	6000	U
Pentachlorophenol	UG/KG	1000	573237	20	U	21	U	20	U	22	U	22	U
Picloram	UG/KG		73701923	5 5	U	5.8	U	5 6	U	6.1	U	6.2	U

SEAD-120B

Ovid Road Small Arms Range

Table 5-1

Sample Collection Information
SEAD-120B - Ovid Road Small Arms Range

12 Moderate 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	TP120B-1	EB165	3/31/98	0.6	1.0	SA	Location is in central portion of the arcuate berm behind target mounting post (potential bullet impact area) Sample depth chosen where the most projectiles were found.
SOIL	TP120B-1	EB034	3/31/98	0.6	1.0	DU	Location is in central portion of the arcuate berm behind target mounting post (potential bullet impact area) Sample depth chosen where the most projectiles were found
SOIL	TP120B-1	EB166	3/31/98	2.0	2.2	SA	Location same as above. Sample chosen beneath the zone that contained the most projectiles (potential impact due to leaching from zone above).
SOIL	TP120B-2	EB167	3/31/98	0.8	1.0	SA	Location is in south-central portion of the arcuate berm behind a target mounting post (potential bullet impact area) Sample chosen where the most projectiles were found
SOIL	TP120B-2	EB168	3/31/98	2.0	2.2	SA	Location same as above. Sample chosen beneath the zone that contained the most bullet casings (potential impact due to leaching from zone above).
SOIL	TP120B-3	EB169	3/31/98	1.0	1.5	SA	Location is in north-central portion of the arcuate berm behind a target mounting post (potential bullet impact area) Sample chosen where the most projectiles were found
SOIL	TP120B-3	EB170	3/31/98	2.8	3.0	SA	Location same as above. Sample chosen beneath the zone that contained the most projectiles (potential impact due to leaching from zone above)
WATER	TP120B-1	EB035	3/31/98	0.0	0.0	RB	NA

Notes
SA = Sample
DU - Duplicate
NA = Not Applicable

Table 5-2
120B - Explosives in Soil vs TAGMs
Non-Evaluated EBS Sites

SITE:				SEAD-120B		SEAD-120B		SEAD-120B		SEAD-120B		SEAD-120B	
DESCRIPTION:				Ovid Road Small Arms Range		Ovid Road Small Arms Range		Ovid Road Small Arms Range		Ovid Road Small Arms Range		Ovid Road Small Arms Range	
LOC ID:				TP120B-1		TP120B-1		TP120B-1		TP120B-2		TP120B-2	
SAMP_ID:				EB165		EB034		EB166		EB167		EB168	
QC CODE:				SA		DU		SA		SA		SA	
SAMP. DETH TOP:				0.6		0.6		2		0.8		2	
SAMP. DEPTH BOT:				1		1		2.2		1		2.2	
MATRIX:				SOIL		SOIL		SOIL		SOIL		SOIL	
SAMP. DATE:				3/31/98		3/31/98		3/31/98		3/31/98		3/31/98	
PARAMETER	UNIT	TAGM	PRG-REC	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q
1,3,5-Trinitrobenzene	UG/KG		52644	120	U	120	U	120	U	120	U	120	U
1,3-Dinitrobenzene	UG/KG		105288	120	U	120	U	120	U	120	U	120	U
2,4,6-Trinitrotoluene	UG/KG		526442	120	U	120	U	120	U	120	U	120	U
2,4-Dinitrotoluene	UG/KG		2105769	120	U	120	U	120	U	120	U	120	U
2,6-Dinitrotoluene	UG/KG	1000	1052885	120	U	120	U	120	U	120	U	120	U
2-Nitrotoluene	UG/KG			120	U	120	U	120	U	120	U	120	U
2-amino-4,6-Dinitrotoluene	UG/KG			120	U	120	U	120	U	120	U	120	U
3-Nitrotoluene	UG/KG			120	U	120	U	120	U	120	U	120	U
4-Nitrotoluene	UG/KG			120	U	120	U	120	U	120	U	120	U
4-amino-2,6-Dinitrotoluene	UG/KG			120	U	120	U	120	U	120	U	120	U
HMX	UG/KG			120	U	120	U	120	U	120	U	120	U
Nitrobenzene	UG/KG	200	526442	120	U	120	U	120	U	120	U	120	U
RDX	UG/KG			120	U	120	U	120	U	120	U	120	U
Tetryl	UG/KG			120	U	120	U	120	U	120	U	120	U

Table 5-2
120B - Explosives in Soil vs TAGMs
Non-Evaluated EBS Sites

SITE:				SEAD-120B		SEAD-120B	
DESCRIPTION:				Ovid Road Small Arms Range		Ovid Road Small Arms Range	
LOC ID:				TP120B-3		TP120B-3	
SAMP_ID:				EB169		EB170	
QC CODE:				SA		SA	
SAMP. DETH TOP:				1		2.8	
SAMP. DEPTH BOT:				1.5		3	
MATRIX:				SOIL		SOIL	
SAMP. DATE:				3/31/98		3/31/98	
PARAMETER	UNIT	TAGM	PRG-REC	VALUE	Q	VALUE	Q
1,3,5-Trinitrobenzene	UG/KG		52644	120	U	120	U
1,3-Dinitrobenzene	UG/KG		105288	120	U	120	U
2,4,6-Trinitrotoluene	UG/KG		526442	120	U	120	U
2,4-Dinitrotoluene	UG/KG		2105769	120	U	120	U
2,6-Dinitrotoluene	UG/KG	1000	1052885	120	U	120	U
2-Nitrotoluene	UG/KG			120	U	120	U
2-amino-4,6-Dinitrotoluene	UG/KG			120	U	120	U
3-Nitrotoluene	UG/KG			120	U	120	U
4-Nitrotoluene	UG/KG			120	U	120	U
4-amino-2,6-Dinitrotoluene	UG/KG			120	U	120	U
HMX	UG/KG			120	U	120	U
Nitrobenzene	UG/KG	200	526442	120	U	120	U
RDX	UG/KG			120	U	120	U
Tetryl	UG/KG			120	U	120	U

Table 5-3
120B - Explosives in Soil vs PRG-REC
Non-Evaluated EBS Sites

SITE:				SEAD-120B		SEAD-120B		SEAD-120B	SEAD-120B	SEAD-120B
DESCRIPTION:				Ovid Road Small Arms Range		Ovid Road Small Arms Range		Ovid Road Small Arms Range	Ovid Road Small Arms Range	Ovid Road Small Arms Range
LOC ID:				TP120B-1		TP120B-1		TP120B-1	TP120B-2	TP120B-2
SAMP_ID:				EB165		EB034		EB166	EB167	EB168
QC CODE:				SA		DU		SA	SA	SA
SAMP. DETH TOP:				0.6		0.6		2	0.8	2
SAMP. DEPTH BOT:				1		1		2.2	1	2.2
MATRIX:				SOIL		SOIL		SOIL	SOIL	SOIL
SAMP. DATE:				3/31/98		3/31/98		3/31/98	3/31/98	3/31/98
PARAMETER	UNIT	TAGM	PRG-REC	VALUE	Q	VALUE	Q	VALUE Q	VALUE Q	VALUE Q
1,3,5-Trinitrobenzene	UG/KG		52644	120	U	120	U	120 U	120 U	120 U
1,3-Dinitrobenzene	UG/KG		105288	120	U	120	U	120 U	120 U	120 U
2,4,6-Trinitrotoluene	UG/KG		526442	120	U	120	U	120 U	120 U	120 U
2,4-Dinitrotoluene	UG/KG		2105769	120	U	120	U	120 U	120 U	120 U
2,6-Dinitrotoluene	UG/KG	1000	1052885	120	U	120	U	120 U	120 U	120 U
2-Nitrotoluene	UG/KG			120	U	120	U	120 U	120 U	120 U
2-amino-4,6-Dinitrotoluene	UG/KG			120	U	120	U	120 U	120 U	120 U
3-Nitrotoluene	UG/KG			120	U	120	U	120 U	120 U	120 U
4-Nitrotoluene	UG/KG			120	U	120	U	120 U	120 U	120 U
4-amino-2,6-Dinitrotoluene	UG/KG			120	U	120	U	120 U	120 U	120 U
HMX	UG/KG			120	U	120	U	120 U	120 U	120 U
Nitrobenzene	UG/KG	200	526442	120	U	120	U	120 U	120 U	120 U
RDX	UG/KG			120	U	120	U	120 U	120 U	120 U
Tetryl	UG/KG			120	U	120	U	120 U	120 U	120 U

Table 5-3
120B - Explosives in Soil vs PRG-REC
Non-Evaluated EBS Sites

SITE:				SEAD-120B		SEAD-120B	
DESCRIPTION:				Ovid Road Small Arms Range		Ovid Road Small Arms Range	
LOC ID:				TP120B-3		TP120B-3	
SAMP_ID:				EB169		EB170	
QC CODE:				SA		SA	
SAMP. DETH TOP:				1		2.8	
SAMP. DEPTH BOT:				1.5		3	
MATRIX:				SOIL		SOIL	
SAMP. DATE:				3/31/98		3/31/98	
PARAMETER	UNIT	TAGM	PRG-REC	VALUE	Q	VALUE	Q
1,3,5-Trinitrobenzene	UG/KG		52644	120	U	120	U
1,3-Dinitrobenzene	UG/KG		105288	120	U	120	U
2,4,6-Trinitrotoluene	UG/KG		526442	120	U	120	U
2,4-Dinitrotoluene	UG/KG		2105769	120	U	120	U
2,6-Dinitrotoluene	UG/KG	1000	1052885	120	U	120	U
2-Nitrotoluene	UG/KG			120	U	120	U
2-amino-4,6-Dinitrotoluene	UG/KG			120	U	120	U
3-Nitrotoluene	UG/KG			120	U	120	U
4-Nitrotoluene	UG/KG			120	U	120	U
4-amino-2,6-Dinitrotoluene	UG/KG			120	U	120	U
HMX	UG/KG			120	U	120	U
Nitrobenzene	UG/KG	200	526442	120	U	120	U
RDX	UG/KG			120	U	120	U
Tetryl	UG/KG			120	U	120	U

Table 5-4
120B - Semivolatiles in Soil vs TAGMs
Non-Evaluated EBS Sites

SITE				SEAD-120B		SEAD-120B		SEAD-120B		SEAD-120B		SEAD-120B		SEAD-120B		SEAD-120B	
DESCRIPTION				Ovid Road Small Arms Range		Ovid Road Small Arms Range		Ovid Road Small Arms Range		Ovid Road Small Arms Range		Ovid Road Small Arms Range		Ovid Road Small Arms Range		Ovid Road Small Arms Range	
LOC ID				TP120B-1		TP120B-1		TP120B-1		TP120B-2		TP120B-2		TP120B-3		TP120B-3	
SAMP_ID				EB165		EB034		EB166		EB167		EB168		EB169		EB170	
QC CODE				SA		DU		SA		SA		SA		SA		SA	
SAMP DETH TOP				0 6		0 6		2		0 8		2		1		2 8	
SAMP DEPTH BOT				1		1		2 2		1		2 2		1 5		3	
MATRIX				SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
SAMP DATE				3/31/98		3/31/98		3/31/98		3/31/98		3/31/98		3/31/98		3/31/98	
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		79 U		NA		79 U		80 U		80 U		80 U		78 U
1,2-Dichlorobenzene	UG/KG	7900	94759615		79 U		NA		79 U		80 U		80 U		80 U		78 U
1,3-Dichlorobenzene	UG/KG	1600	93706731		79 U		NA		79 U		80 U		80 U		80 U		78 U
1,4-Dichlorobenzene	UG/KG	8500	2866186		79 U		NA		79 U		80 U		80 U		80 U		78 U
2,4,5-Trichlorophenol	UG/KG	100	105288462		190 U		NA		190 U		190 U		190 U		190 U		190 U
2,4,6-Trichlorophenol	UG/KG		6253497		79 U		NA		79 U		80 U		80 U		80 U		78 U
2,4-Dichlorophenol	UG/KG	400	3158654		79 U		NA		79 U		80 U		80 U		80 U		78 U
2,4-Dimethylphenol	UG/KG		21057692		79 U		NA		79 U		80 U		80 U		80 U		78 U
2,4-Dinitrophenol	UG/KG	200	2105769		190 U		NA		190 U		190 U		190 U		190 U		190 U
2,4-Dinitrotoluene	UG/KG		2105769		79 U		NA		79 U		80 U		80 U		80 U		78 U
2,6-Dinitrotoluene	UG/KG	1000	1052685		79 U		NA		79 U		80 U		80 U		80 U		78 U
2-Chloronaphthalene	UG/KG				79 U		NA		79 U		80 U		80 U		80 U		78 U
2-Chlorophenol	UG/KG	800	5264423		79 U		NA		79 U		80 U		80 U		80 U		78 U
2-Methylnaphthalene	UG/KG	36400			79 U		NA		79 U		80 U		80 U		80 U		78 U
2-Methylphenol	UG/KG	100	52644231		79 U		NA		79 U		80 U		80 U		80 U		78 U
2-Nitroaniline	UG/KG	430	63173		190 U		NA		190 U		190 U		190 U		190 U		190 U
2-Nitrophenol	UG/KG	330			79 U		NA		79 U		80 U		80 U		80 U		78 U
3,3 -Dichlorobenzidine	UG/KG		152863		79 U		NA		79 U		80 U		80 U		80 U		78 U
3-Nitroaniline	UG/KG	500	3158654		190 U		NA		190 U		190 U		190 U		190 U		190 U
4,6-Dinitro-2-methylphenol	UG/KG				190 U		NA		190 U		190 U		190 U		190 U		190 U
4-Bromophenyl phenyl ether	UG/KG		61067308		79 U		NA		79 U		80 U		80 U		80 U		78 U
4-Chloro-3-methylphenol	UG/KG	240			79 U		NA		79 U		80 U		80 U		80 U		78 U
4-Chloroaniline	UG/KG	220	4211538		79 U		NA		79 U		80 U		80 U		80 U		78 U
4-Chlorophenyl phenyl ether	UG/KG				79 U		NA		79 U		80 U		80 U		80 U		78 U
4-Methylphenol	UG/KG	900			79 U		NA		79 U		80 U		80 U		80 U		78 U
4-Nitroaniline	UG/KG		3158654		190 U		NA		190 U		190 U		190 U		190 U		190 U
4-Nitrophenol	UG/KG	100	63173077		190 U		NA		190 U		190 U		190 U		190 U		190 U
Acenaphthene	UG/KG	50000			79 U		NA		79 U		80 U		80 U		80 U		78 U
Acenaphthylene	UG/KG	41000			79 U		NA		79 U		80 U		80 U		80 U		78 U
Anthracene	UG/KG	50000	315865385		79 U		NA		79 U		4 5 J		80 U		80 U		78 U
Benzo[a]anthracene	UG/KG	224	94231		79 U		NA		79 U		80 U		80 U		80 U		78 U
Benzo[a]pyrene	UG/KG	61	9423		79 U		NA		79 U		80 U		80 U		80 U		78 U
Benzo[b]fluoranthene	UG/KG	1100	94231		79 U		NA		79 U		80 U		80 U		80 U		78 U
Benzo[ghi]perylene	UG/KG	50000			79 U		NA		79 U		80 U		80 U		80 U		78 U
Benzo[k]fluoranthene	UG/KG	1100	942308		79 U		NA		79 U		80 U		80 U		80 U		78 U
Bis(2-Chloroethoxy)methane	UG/KG				79 U		NA		79 U		80 U		80 U		80 U		78 U
Bis(2-Chloroethyl)ether	UG/KG		62535		79 U		NA		79 U		80 U		80 U		80 U		78 U
Bis(2-Chloroisopropyl)ether	UG/KG		982692		79 U		NA		79 U		80 U		80 U		80 U		78 U
Bis(2-Ethylhexyl)phthalate	UG/KG	50000	4913462		6 4 JB		NA		4 6 JB		6 3 JB		8 4 JB		6 9 JB		7 7 JB
Butylbenzylphthalate	UG/KG	50000	210576923		79 U		NA		79 U		80 U		80 U		80 U		78 U
Carbazole	UG/KG		3439423		79 U		NA		79 U		80 U		80 U		80 U		78 U
Chrysene	UG/KG	400	9423077		4 9 J		NA		79 U		5 3 J		80 U		80 U		78 U
Di-n-butylphthalate	UG/KG	8100			79 U		NA		79 U		80 U		80 U		80 U		78 U
Di-n-octylphthalate	UG/KG	50000	21057692		79 U		NA		79 U		80 U		80 U		80 U		78 U
Dibenz[a,h]anthracene	UG/KG	14	9423		79 U		NA		79 U		80 U		80 U		80 U		78 U
Dibenzofuran	UG/KG	6200	4211538		79 U		NA		79 U		80 U		80 U		80 U		78 U
Diethyl phthalate	UG/KG	7100	842307692		8 6 JB		NA		9 5 JB		7 7 JB		8 3 JB		4 8 JB		6 8 JB
Dimethylphthalate	UG/KG	2000	10528846150		79 U		NA		79 U		80 U		80 U		80 U		78 U
Fluoranthene	UG/KG	50000	42115385		6 2 J		NA		79 U		6 9 J		4 7 J		80 U		78 U
Fluorene	UG/KG	50000	42115385		79 U		NA		79 U		80 U		80 U		80 U		78 U
Hexachlorobenzene	UG/KG	410	42993		79 U		NA		79 U		80 U		80 U		80 U		78 U
Hexachlorobutadiene	UG/KG		210577		79 U		NA		79 U		80 U		80 U		80 U		78 U
Hexachlorocyclopentadiene	UG/KG		7370192		79 U		NA		79 U		80 U		80 U		80 U		78 U
Hexachloroethane	UG/KG		1052885		79 U		NA		79 U		80 U		80 U		80 U		78 U
Indeno[1,2,3-cd]pyrene	UG/KG	3200	94231		79 U		NA		79 U		80 U		80 U		80 U		78 U
Isophorone	UG/KG	4400			79 U		NA		79 U		80 U		80 U		80 U		78 U
N-Nitrosodiphenylamine	UG/KG		14038462		79 U		NA		79 U		80 U		80 U		80 U		78 U
N-Nitrosodipropylamine	UG/KG		9827		79 U		NA		79 U		80 U		80 U		80 U		78 U
Naphthalene	UG/KG	13000	42115385		79 U		NA		79 U		80 U		80 U		80 U		78 U
Nitrobenzene	UG/KG	200	526442		79 U		NA		79 U		80 U		80 U		80 U		78 U
Pentachlorophenol	UG/KG	1000	573237		190 U		NA		190 U		190 U		190 U		190 U		190 U
Phenanthrene	UG/KG	50000			79 U		NA		79 U		4 4 J		80 U		80 U		78 U
Phenol	UG/KG	30	631730769		79 U		NA		79 U		80 U		80 U		80 U		78 U
Pyrene	UG/KG	50000	31586538		5 5 J		NA		79 U		6 6 J		80 U		80 U		78 U

Table 5-5
120B - Semivolatiles in Soil vs PRG-REC
Non-Evaluated HS Sites

SITE				SEAD-120B		SEAD-120B		SEAD-120B		SEAD-120B		SEAD-120B		SEAD-120B	
DESCRIPTION				Ovid Road Small Arms Range		Ovid Road Small Arms Range		Ovid Road Small Arms Range		Ovid Road Small Arms Range		Ovid Road Small Arms Range		Ovid Road Small Arms Range	
LOC ID				TP120B-1		TP120B-1		TP120B-1		TP120B-2		TP120B-2		TP120B-3	
SAMP_ID				EB165		EB034		EB166		EB167		EB168		EB169		EB170	
QC CODE				SA		DU		SA		SA		SA		SA		SA	
SAMP DETH TOP				0 6		0 6		2		0 8		2		1		2 8	
SAMP DEPTH BOT				1		1		2 2		1		2 2		1 5		3	
MATRIX				SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
SAMP DATE				3/31/98		3/31/98		3/31/98		3/31/98		3/31/98		3/31/98		3/31/98	
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		79 U		NA		79 U		80 U		80 U		80 U		78 U
1,2-Dichlorobenzene	UG/KG	7900	94759615		79 U		NA		79 U		80 U		80 U		80 U		78 U
1,3-Dichlorobenzene	UG/KG	1600	93706731		79 U		NA		79 U		80 U		80 U		80 U		78 U
1,4-Dichlorobenzene	UG/KG	8500	2868186		79 U		NA		79 U		80 U		80 U		80 U		78 U
2,4,5-Trichlorophenol	UG/KG	100	105288462		190 U		NA		190 U		190 U		190 U		190 U		190 U
2,4,6-Trichlorophenol	UG/KG		8253497		79 U		NA		79 U		80 U		80 U		80 U		78 U
2,4-Dichlorophenol	UG/KG	400	3158654		79 U		NA		79 U		80 U		80 U		80 U		78 U
2,4-Dimethylphenol	UG/KG		21057692		79 U		NA		79 U		80 U		80 U		80 U		78 U
2,4-Dinitrophenol	UG/KG	200	2105769		190 U		NA		190 U		190 U		190 U		190 U		190 U
2,4-Dinitrotoluene	UG/KG		2105769		79 U		NA		79 U		80 U		80 U		80 U		78 U
2,6-Dinitrotoluene	UG/KG	1000	1052885		79 U		NA		79 U		80 U		80 U		80 U		78 U
2-Chloronaphthalene	UG/KG				79 U		NA		79 U		80 U		80 U		80 U		78 U
2-Chlorophenol	UG/KG	800	5264423		79 U		NA		79 U		80 U		80 U		80 U		78 U
2-Methylnaphthalene	UG/KG	36400			79 U		NA		79 U		80 U		80 U		80 U		78 U
2-Methylphenol	UG/KG	100	52644231		79 U		NA		79 U		80 U		80 U		80 U		78 U
2-Nitroaniline	UG/KG	430	63173		190 U		NA		190 U		190 U		190 U		190 U		190 U
2-Nitrophenol	UG/KG	330			79 U		NA		79 U		80 U		80 U		80 U		78 U
3,3'-Dichlorobenzidine	UG/KG		152663		79 U		NA		79 U		80 U		80 U		80 U		78 U
3-Nitroaniline	UG/KG	500	3158654		190 U		NA		190 U		190 U		190 U		190 U		190 U
4,6-Dinitro-2-methylphenol	UG/KG				190 U		NA		190 U		190 U		190 U		190 U		190 U
4-Bromophenyl phenyl ether	UG/KG		81067308		79 U		NA		79 U		80 U		80 U		80 U		78 U
4-Chloro-3-methylphenol	UG/KG	240			79 U		NA		79 U		80 U		80 U		80 U		78 U
4-Chloroaniline	UG/KG	220	4211538		79 U		NA		79 U		80 U		80 U		80 U		78 U
4-Chlorophenyl phenyl ether	UG/KG				79 U		NA		79 U		80 U		80 U		80 U		78 U
4-Methylphenol	UG/KG	900			79 U		NA		79 U		80 U		80 U		80 U		78 U
4-Nitroaniline	UG/KG		3158654		190 U		NA		190 U		190 U		190 U		190 U		190 U
4-Nitrophenol	UG/KG	100	63173077		190 U		NA		190 U		190 U		190 U		190 U		190 U
Acenaphthene	UG/KG	50000			79 U		NA		79 U		80 U		80 U		80 U		78 U
Acenaphthylene	UG/KG	41000			79 U		NA		79 U		80 U		80 U		80 U		78 U
Anthracene	UG/KG	50000	315865385		79 U		NA		79 U		4 5 J		80 U		80 U		78 U
Benzo[a]anthracene	UG/KG	224	94231		79 U		NA		79 U		80 U		80 U		80 U		78 U
Benzo[a]pyrene	UG/KG	61	9423		79 U		NA		79 U		80 U		80 U		80 U		78 U
Benzo[b]fluoranthene	UG/KG	1100	94231		79 U		NA		79 U		80 U		80 U		80 U		78 U
Benzo[ghi]perylene	UG/KG	50000			79 U		NA		79 U		80 U		80 U		80 U		78 U
Benzo[k]fluoranthene	UG/KG	1100	942308		79 U		NA		79 U		80 U		80 U		80 U		78 U
Bis(2-Chloroethoxy)methane	UG/KG				79 U		NA		79 U		80 U		80 U		80 U		78 U
Bis(2-Chloroethyl)ether	UG/KG		62535		79 U		NA		79 U		80 U		80 U		80 U		78 U
Bis(2-Chloroisopropyl)ether	UG/KG		982692		79 U		NA		79 U		80 U		80 U		80 U		78 U
Bis(2-Ethylhexyl)phthalate	UG/KG	50000	4913462		8 4 JB		NA		4 6 JB		6 3 JB		8 4 JB		6 9 JB		7 7 JB
Butylbenzylphthalate	UG/KG	50000	210576923		79 U		NA		79 U		80 U		80 U		80 U		78 U
Carbazole	UG/KG		3439423		79 U		NA		79 U		80 U		80 U		80 U		78 U
Chrysene	UG/KG	400	9423077		4 9 J		NA		79 U		5 3 J		80 U		80 U		78 U
Di-n-butylphthalate	UG/KG	8100			79 U		NA		79 U		80 U		80 U		80 U		78 U
Di-n-octylphthalate	UG/KG	50000	21057692		79 U		NA		79 U		80 U		80 U		80 U		78 U
Dibenz[a,h]anthracene	UG/KG	14	9423		79 U		NA		79 U		80 U		80 U		80 U		78 U
Dibenzofuran	UG/KG	6200	4211538		79 U		NA		79 U		80 U		80 U		80 U		78 U
Diethyl phthalate	UG/KG	7100	842307692		8 8 JB		NA		9 5 JB		7 7 JB		8 3 JB		4 8 JB		6 8 JB
Dimethylphthelate	UG/KG	2000	10528846150		79 U		NA		79 U		80 U		80 U		80 U		78 U
Fluoranthene	UG/KG	50000	42115385		6 2 J		NA		79 U		6 9 J		4 7 J		80 U		78 U
Fluorene	UG/KG	50000	42115385		79 U		NA		79 U		80 U		80 U		80 U		78 U
Hexachlorobenzene	UG/KG	410	42993		79 U		NA		79 U		80 U		80 U		80 U		78 U
Hexachlorobutadiene	UG/KG		210577		79 U		NA		79 U		80 U		80 U		80 U		78 U
Hexachlorocyclopentadiene	UG/KG		7370192		79 U		NA		79 U		80 U		80 U		80 U		78 U
Hexachloroethane	UG/KG		1052885		79 U		NA		79 U		80 U		80 U		80 U		78 U
Indeno[1,2,3-cd]pyrene	UG/KG	3200	94231		79 U		NA		79 U		80 U		80 U		80 U		78 U
Isophorone	UG/KG	4400			79 U		NA		79 U		80 U		80 U		80 U		78 U
N-Nitrosodiphenylamine	UG/KG		14038462		79 U		NA		79 U		80 U		80 U		80 U		78 U
N-Nitrosodipropylamine	UG/KG		9827		79 U		NA		79 U		80 U		80 U		80 U		78 U
Naphthalene	UG/KG	13000	42115385		79 U		NA		79 U		80 U		80 U		80 U		78 U
Nitrobenzene	UG/KG	200	526442		79 U		NA		78 U		80 U		80 U		80 U		78 U
Pentachlorophenol	UG/KG	1000	573237		190 U		NA		190 U		190 U		190 U		190 U		190 U
Phenanthrene	UG/KG	50000			79 U		NA		79 U		4 4 J		80 U		80 U		78 U
Phenol	UG/KG	30	631730769		79 U		NA		79 U		80 U		80 U		80 U		78 U
Pyrene	UG/KG	50000	31586538		5 5 J		NA		79 U		6 6 J		80 U		80 U		78 U

Table 5-6
120B - Metals in Soil vs TAGMs
Non-Evaluated EBS Sites

SITE:				SEAD-120B		SEAD-120B		SEAD-120B		SEAD-120B		SEAD-120B	
DESCRIPTION:				Ovid Road Small Arms Range		Ovid Road Small Arms Range		Ovid Road Small Arms Range		Ovid Road Small Arms Range		Ovid Road Small Arms Range	
LOC ID:				TP120B-1		TP120B-1		TP120B-1		TP120B-2		TP120B-2	
SAMP_ID:				EB165		EB034		EB166		EB167		EB168	
QC CODE:				SA		DU		SA		SA		SA	
SAMP. DETH TOP:				0.6		0.6		2		0.8		2	
SAMP. DEPTH BOT:				1		1		2.2		1		2.2	
MATRIX:				SOIL		SOIL		SOIL		SOIL		SOIL	
SAMP. DATE:				3/31/98		3/31/98		3/31/98		3/31/98		3/31/98	
PARAMETER	UNIT	TAGM	PRG-REC	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q
Aluminum	MG/KG	19520	1052885	13300		NA		13400		15300		13600	
Antimony	MG/KG	6	421	1.1	UN	NA		1.2	UN	1.4	BN	1.2	UN
Arsenic	MG/KG	8.9	46	2.9		NA		[redacted]		5.1		4.0	
Barium	MG/KG	300	73702	105		NA		148		134		115	
Beryllium	MG/KG	1.13	16	0.56	B	NA		0.40	B	0.51	B	0.53	B
Cadmium	MG/KG	2.46	526	0.07	U	NA		0.07	U	0.07	U	0.07	U
Calcium	MG/KG	125300		20300	*	NA		21700	*	8020	*	27200	*
Chromium	MG/KG	30	1052885	19.7		NA		20.1		21.9		20.2	
Cobalt	MG/KG	30	63173	9.8	B	NA		14.2		12.2		11.6	B
Copper	MG/KG	33	42115	[redacted]		NA		[redacted]		[redacted]		[redacted]	
Cyanide	MG/KG	0.35		0.63	U	NA		0.65	U	0.62	U	0.65	U
Iron	MG/KG	37410	315865	24100		NA		26200		27100		24500	
Lead	MG/KG	24.4		[redacted]		NA		[redacted]		[redacted]		[redacted]	
Magnesium	MG/KG	21700		6200	*	NA		7640	*	5130	*	7280	*
Manganese	MG/KG	1100	24216	448		NA		945		871		585	
Mercury	MG/KG	0.1	316	0.06	U	NA		0.07	B	0.06	U	0.06	U
Nickel	MG/KG	50	21058	29.9		NA		34.6		32.1		31.1	
Potassium	MG/KG	2623		1630		NA		1730		2270		1670	
Selenium	MG/KG	2	5264	1.0	UN*	NA		1.1	UN*	1.2	BN*	1.0	UN*
Silver	MG/KG	0.8	5264	0.29	U	NA		0.31	U	0.31	U	0.38	B
Sodium	MG/KG	188		90.4	B	NA		88.5	B	92.5	B	72.2	B
Thallium	MG/KG	0.855	84	1.5	U	NA		[redacted]	B	[redacted]		1.5	U
Vanadium	MG/KG	150	7370	21.2		NA		24.2		25.7		22.7	
Zinc	MG/KG	115		83.5	E	NA		87.2	E	105	E	110	E

Table 5-6
120B - Metals in Soil vs TAGMs
Non-Evaluated EBS Sites

SITE:				SEAD-120B		SEAD-120B	
DESCRIPTION:				Ovid Road Small Arms Range		Ovid Road Small Arms Range	
LOC ID:				TP120B-3		TP120B-3	
SAMP_ID:				EB169		EB170	
QC CODE:				SA		SA	
SAMP. DETH TOP:				1		2.8	
SAMP. DEPTH BOT:				1.5		3	
MATRIX:				SOIL		SOIL	
SAMP. DATE:				3/31/98		3/31/98	
PARAMETER	UNIT	TAGM	PRG-REC	VALUE	Q	VALUE	Q
Aluminum	MG/KG	19520	1052885	13400		13100	
Antimony	MG/KG	6	421	1.2	BN	1.3	BN
Arsenic	MG/KG	8.9	46	3.2		2.7	
Barium	MG/KG	300	73702	112		106	
Beryllium	MG/KG	1.13	16	0.54	B	0.56	B
Cadmium	MG/KG	2.46	526	0.07	U	0.07	U
Calcium	MG/KG	125300		28500	*	36600	*
Chromium	MG/KG	30	1052885	19.6		19.3	
Cobalt	MG/KG	30	63173	9.6	B	8.6	B
Copper	MG/KG	33	42115	33.0		32.1	
Cyanide	MG/KG	0.35		0.62	U	0.63	U
Iron	MG/KG	37410	315865	23100		22500	
Lead	MG/KG	24.4		82.6			
Magnesium	MG/KG	21700		10300	*	10200	*
Manganese	MG/KG	1100	24216	474		352	
Mercury	MG/KG	0.1	316	0.05	U	0.06	U
Nickel	MG/KG	50	21058	29.3		27.7	
Potassium	MG/KG	2623		1800		1700	
Selenium	MG/KG	2	5264	1.0	UN*	1.0	UN*
Silver	MG/KG	0.8	5264	0.29	U	0.3	U
Sodium	MG/KG	188		58.5	U	69.6	B
Thallium	MG/KG	0.855	84	1.5	U	1.6	U
Vanadium	MG/KG	150	7370	22.6		21.9	
Zinc	MG/KG	115		83.9	E	79.9	E

Table 5-7
120B - Metals in Soil vs PRG-REC
Non-Evaluated EBS Sites

SITE:				SEAD-120B		SEAD-120B		SEAD-120B		SEAD-120B		SEAD-120B	
DESCRIPTION:				Ovid Road Small Arms Range		Ovid Road Small Arms Range		Ovid Road Small Arms Range		Ovid Road Small Arms Range		Ovid Road Small Arms Range	
LOC ID:				TP120B-1		TP120B-1		TP120B-1		TP120B-2		TP120B-2	
SAMP_ID:				EB165		EB034		EB166		EB167		EB168	
QC CODE:				SA		DU		SA		SA		SA	
SAMP. DETH TOP:				0.6		0.6		2		0.8		2	
SAMP. DEPTH BOT:				1		1		2.2		1		2.2	
MATRIX:				SOIL		SOIL		SOIL		SOIL		SOIL	
SAMP. DATE:				3/31/98		3/31/98		3/31/98		3/31/98		3/31/98	
PARAMETER	UNIT	TAGM	PRG-REC	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q
Aluminum	MG/KG	14592.84	1052885	13300		NA		13400		15300		13600	
Antimony	MG/KG	3.59	421	1.1	UN	NA		1.2	UN	1.4	BN	1.2	UN
Arsenic	MG/KG	7.5	46	2.9		NA		10.7		5.1		4.0	
Barium	MG/KG	300	73702	105		NA		148		134		115	
Beryllium	MG/KG	0.73	16	0.56	B	NA		0.40	B	0.51	B	0.53	B
Cadmium	MG/KG	1	526	0.07	U	NA		0.07	U	0.07	U	0.07	U
Calcium	MG/KG	101903.8		20300	*	NA		21700	*	8020	*	27200	*
Chromium	MG/KG	22.13	1052885	19.7		NA		20.1		21.9		20.2	
Cobalt	MG/KG	30	63173	9.8	B	NA		14.2		12.2		11.6	B
Copper	MG/KG	25	42115	191		NA		57.0		136		212	
Cyanide	MG/KG	0.3		0.63	U	NA		0.65	U	0.62	U	0.65	U
Iron	MG/KG	26626.65	315865	24100		NA		26200		27100		24500	
Lead	MG/KG	21.86		289		NA		324		522		166	
Magnesium	MG/KG	12221.77		6200	*	NA		7640	*	5130	*	7280	*
Manganese	MG/KG	669.38	24216	448		NA		945		871		585	
Mercury	MG/KG	0.1	316	0.06	U	NA		0.07	B	0.06	U	0.06	U
Nickel	MG/KG	33.62	21058	29.9		NA		34.6		32.1		31.1	
Potassium	MG/KG	1761.48		1630		NA		1730		2270		1670	
Selenium	MG/KG	2	5264	1.0	UN*	NA		1.1	UN*	1.2	BN*	1.0	UN*
Silver	MG/KG	0.4	5264	0.29	U	NA		0.31	U	0.31	U	0.38	B
Sodium	MG/KG	103.74		90.4	B	NA		88.5	B	92.5	B	72.2	B
Thallium	MG/KG	0.28	84	1.5	U	NA		1.9	B	2.9		1.5	U
Vanadium	MG/KG	150	7370	21.2		NA		24.2		25.7		22.7	
Zinc	MG/KG	82.5		83.5	E	NA		87.2	E	105	E	110	E

Table 5-7
120B - Metals in Soil vs PRG-REC
Non-Evaluated EBS Sites

SITE:				SEAD-120B		SEAD-120B	
DESCRIPTION:				Ovid Road Small Arms Range		Ovid Road Small Arms Range	
LOC ID:				TP120B-3		TP120B-3	
SAMP_ID:				EB169		EB170	
QC CODE:				SA		SA	
SAMP DETH TOP:				1		2.8	
SAMP DEPTH BOT:				1.5		3	
MATRIX:				SOIL		SOIL	
SAMP. DATE:				3/31/98		3/31/98	
PARAMETER	UNIT	TAGM	PRG-REC	VALUE	Q	VALUE	Q
Aluminum	MG/KG	14592.84	1052885	13400		13100	
Antimony	MG/KG	3.59	421	1.2	BN	1.3	BN
Arsenic	MG/KG	7.5	46	3.2		2.7	
Barium	MG/KG	300	73702	112		106	
Beryllium	MG/KG	0.73	16	0.54	B	0.56	B
Cadmium	MG/KG	1	526	0.07	U	0.07	U
Calcium	MG/KG	101903.8		28500	*	36600	*
Chromium	MG/KG	22.13	1052885	19.6		19.3	
Cobalt	MG/KG	30	63173	9.6	B	8.6	B
Copper	MG/KG	25	42115	33.0		32.1	
Cyanide	MG/KG	0.3		0.62	U	0.63	U
Iron	MG/KG	26626.65	315865	23100		22500	
Lead	MG/KG	21.86		82.6		72	
Magnesium	MG/KG	12221.77		10300	*	10200	*
Manganese	MG/KG	669.38	24216	474		352	
Mercury	MG/KG	0.1	316	0.05	U	0.06	U
Nickel	MG/KG	33.62	21058	29.3		27.7	
Potassium	MG/KG	1761.48		1800		1700	
Selenium	MG/KG	2	5264	1.0	UN*	1.0	UN*
Silver	MG/KG	0.4	5264	0.29	U	0.3	U
Sodium	MG/KG	103.74		58.5	U	69.6	B
Thallium	MG/KG	0.28	84	1.5	U	1.6	U
Vanadium	MG/KG	150	7370	22.6		21.9	
Zinc	MG/KG	82.5		83.9	E	79.9	E

SEAD-120D

MP Refueling Island in the Q

Table 7-1

Sample Collection Information
SEAD-120D - MP Refueling Island in the Q

12 Moderate 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	SB120D-1	EB258	3/17/98	0.0	0.3	SA	Location is at the southwestern end of the MP refueling island. The location was chosen because it is immediately downgradient of a fomer underground gasoline storage tank, based on info. provided by SEDA environmental staff.
SOIL	SB120D-1	EB026	3/17/98	0.0	0.3	DU	Location same as above.
SOIL	SB120D-1	EB259	3/17/98	6.8	7.2	SA	Location same as above. Sample collected at approximately mid-depth (near water table) in the boring because no VOCs or other indications of impacts were observed in the subsurface soil.
SURFACE SOIL	SS120D-1	EB260	3/17/98	0.0	0.2	SA	Location is in the northeastern portion of the refueling island. Sample chosen because it was an area of stressed vegetation.
SURFACE SOIL	SS120D-2	EB261	3/17/98	0.0	0.2	SA	Location is in the southwestern portion of the refueling island. Sample chosen because it was an area of stressed vegetation.
WATER	SB120D-1	EB024	3/17/98	0.0	0.0	RB	NA

Notes:

SA = Sample

DU = Duplicate

RB = Rinse Blank

Table 7-2
120D - Volatiles in Soil vs TAGMs
Non-Evaluated EBS Sites

SITE:				SEAD-120D	SEAD-120D	SEAD-120D	SEAD-120D	SEAD-120D
DESCRIPTION:				MP Refueling Island in the Q	MP Refueling Island in the Q	MP Refueling Island in the Q	MP Refueling Island in the Q	MP Refueling Island in the Q
LOC ID:				SB120D-1	SB120D-1	SB120D-1	SS120D-1	SS120D-2
SAMP_ID:				EB258	EB026	EB259	EB260	EB261
QC CODE:				SA	DU	SA	SA	SA
SAMP. DETH TOP:				0	0	6.8	0	0
SAMP. DEPTH BOT:				0.3	0.3	7.2	0.2	0.2
MATRIX:				SOIL	SOIL	SOIL	SOIL	SOIL
SAMP. DATE:				17-Mar-98	17-Mar-98	17-Mar-98	17-Mar-98	17-Mar-98
PARAMETER	UNIT	TAGM	PRG-REC	VALUE Q	VALUE Q	VALUE Q	VALUE Q	VALUE Q
1,1,1-Trichloroethane	UG/KG	800	36850962	11 U	11 U	12 U	13 U	11 U
1,1,2,2-Tetrachloroethane	UG/KG	600	3439423	11 U	11 U	12 U	13 U	11 U
1,1,2-Trichloroethane	UG/KG		1206815	11 U	11 U	12 U	13 U	11 U
1,1-Dichloroethane	UG/KG	200	105288462	11 U	11 U	12 U	13 U	11 U
1,1-Dichloroethene	UG/KG	400	114647	11 U	11 U	12 U	13 U	11 U
1,2-Dichloroethane	UG/KG	100	755917	11 U	11 U	12 U	13 U	11 U
1,2-Dichloroethene (total)	UG/KG			11 U	11 U	12 U	13 U	11 U
1,2-Dichloropropane	UG/KG		1011595	11 U	11 U	12 U	13 U	11 U
Acetone	UG/KG	200	105288462	210	17 B	160	13 U	11 U
Benzene	UG/KG	60	2372016	11 U	11 U	12 U	13 U	11 U
Bromodichloromethane	UG/KG		1109491	11 U	11 U	12 U	13 U	11 U
Bromoform	UG/KG		8707400	11 U	11 U	12 U	13 U	11 U
Carbon disulfide	UG/KG	2700	105288462	11 U	11 U	12 U	13 U	11 U
Carbon tetrachloride	UG/KG	600	529142	11 U	11 U	12 U	13 U	11 U
Chlorobenzene	UG/KG	1700	21057692	11 U	11 U	12 U	13 U	11 U
Chlorodibromomethane	UG/KG		818910	11 U	11 U	12 U	13 U	11 U
Chloroethane	UG/KG	1900	421153846	11 U	11 U	12 U	13 U	11 U
Chloroform	UG/KG	300	10528846	11 U	11 U	12 U	13 U	11 U
Cis-1,3-Dichloropropene	UG/KG			11 U	11 U	12 U	13 U	11 U
Ethyl benzene	UG/KG	5500	105288462	11 U	11 U	12 U	13 U	11 U
Methyl bromide	UG/KG		1505625	11 U	11 U	12 U	13 U	11 U
Methyl butyl ketone	UG/KG			11 U	11 U	12 U	13 U	11 U
Methyl chloride	UG/KG		5291420	11 U	11 U	12 U	13 U	11 U
Methyl ethyl ketone	UG/KG	300		11 U	11 U	12 U	13 U	11 U
Methyl isobutyl ketone	UG/KG	1000	84230769	11 U	11 U	12 U	13 U	11 U
Methylene chloride	UG/KG	100	9171795	11 U	11 U	12 U	13 U	11 U
Styrene	UG/KG			11 U	11 U	12 U	13 U	11 U
Tetrachloroethene	UG/KG	1400	1322855	11 U	11 U	12 U	13 U	11 U
Toluene	UG/KG	1500	210576923	7 J	5 J	6 J	5 J	13
Total Xylenes	UG/KG	1200	2105769231	11 U	11 U	12 U	13 U	11 U
Trans-1,3-Dichloropropene	UG/KG			11 U	11 U	12 U	13 U	11 U
Trichloroethene	UG/KG	700	6253497	11 U	11 U	12 U	13 U	11 U
Vinyl chloride	UG/KG	200	36204	11 U	11 U	12 U	13 U	11 U

Table 7-3
120D - Volatiles in Soil vs PRG-REC
Non-Evaluated EBS Sites

SITE:				SEAD-120D		SEAD-120D		SEAD-120D		SEAD-120D		SEAD-120D	
DESCRIPTION:				MP Refueling Island in the Q		MP Refueling Island in the Q		MP Refueling Island in the Q		MP Refueling Island in the Q		MP Refueling Island in the Q	
LOC ID:				SB120D-1		SB120D-1		SB120D-1		SS120D-1		SS120D-2	
SAMP_ID:				EB258		EB026		EB259		EB260		EB261	
QC CODE:				SA		DU		SA		SA		SA	
SAMP. DETH TOP:				0		0		6.8		0		0	
SAMP. DEPTH BOT:				0.3		0.3		7.2		0.2		0.2	
MATRIX:				SOIL		SOIL		SOIL		SOIL		SOIL	
SAMP. DATE:				17-Mar-98		17-Mar-98		17-Mar-98		17-Mar-98		17-Mar-98	
PARAMETER	UNIT	TAGM	PRG-REC	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q
1,1,1-Trichloroethane	UG/KG	800	36850962	11	U	11	U	12	U	13	U	11	U
1,1,2,2-Tetrachloroethane	UG/KG	600	3439423	11	U	11	U	12	U	13	U	11	U
1,1,2-Trichloroethane	UG/KG		1206815	11	U	11	U	12	U	13	U	11	U
1,1-Dichloroethane	UG/KG	200	105288462	11	U	11	U	12	U	13	U	11	U
1,1-Dichloroethene	UG/KG	400	114647	11	U	11	U	12	U	13	U	11	U
1,2-Dichloroethane	UG/KG	100	755917	11	U	11	U	12	U	13	U	11	U
1,2-Dichloroethene (total)	UG/KG			11	U	11	U	12	U	13	U	11	U
1,2-Dichloropropane	UG/KG		1011595	11	U	11	U	12	U	13	U	11	U
Acetone	UG/KG	200	105288462	210		17	B	160		13	U	11	U
Benzene	UG/KG	60	2372016	11	U	11	U	12	U	13	U	11	U
Bromodichloromethane	UG/KG		1109491	11	U	11	U	12	U	13	U	11	U
Bromoform	UG/KG		8707400	11	U	11	U	12	U	13	U	11	U
Carbon disulfide	UG/KG	2700	105288462	11	U	11	U	12	U	13	U	11	U
Carbon tetrachloride	UG/KG	600	529142	11	U	11	U	12	U	13	U	11	U
Chlorobenzene	UG/KG	1700	21057692	11	U	11	U	12	U	13	U	11	U
Chlorodibromomethane	UG/KG		818910	11	U	11	U	12	U	13	U	11	U
Chloroethane	UG/KG	1900	421153846	11	U	11	U	12	U	13	U	11	U
Chloroform	UG/KG	300	10528846	11	U	11	U	12	U	13	U	11	U
Cis-1,3-Dichloropropene	UG/KG			11	U	11	U	12	U	13	U	11	U
Ethyl benzene	UG/KG	5500	105288462	11	U	11	U	12	U	13	U	11	U
Methyl bromide	UG/KG		1505625	11	U	11	U	12	U	13	U	11	U
Methyl butyl ketone	UG/KG			11	U	11	U	12	U	13	U	11	U
Methyl chloride	UG/KG		5291420	11	U	11	U	12	U	13	U	11	U
Methyl ethyl ketone	UG/KG	300		11	U	11	U	12	U	13	U	11	U
Methyl isobutyl ketone	UG/KG	1000	84230769	11	U	11	U	12	U	13	U	11	U
Methylene chloride	UG/KG	100	9171795	11	U	11	U	12	U	13	U	11	U
Styrene	UG/KG			11	U	11	U	12	U	13	U	11	U
Tetrachloroethene	UG/KG	1400	1322855	11	U	11	U	12	U	13	U	11	U
Toluene	UG/KG	1500	210576923	7	J	5	J	6	J	5	J	13	
Total Xylenes	UG/KG	1200	2105769231	11	U	11	U	12	U	13	U	11	U
Trans-1,3-Dichloropropene	UG/KG			11	U	11	U	12	U	13	U	11	U
Trichloroethene	UG/KG	700	6253497	11	U	11	U	12	U	13	U	11	U
Vinyl chloride	UG/KG	200	36204	11	U	11	U	12	U	13	U	11	U

Table 7-4
120D - Semivolatiles and TPH in Soil vs TAGM
Non-Evaluated EBS Sites

SITE				SEAD-120D		SEAD-120D		SEAD-120D		SEAD-120D		SEAD-120D	
DESCRIPTION:				MP Refueling Island in the Q		MP Refueling Island in the Q		MP Refueling Island in the Q		MP Refueling Island in the Q		MP Refueling Island in the Q	
LOC ID:				SB120D-1		SB120D-1		SB120D-1		SS120D-1		SS120D-2	
SAMP_ID				EB258		EB026		EB259		EB260		EB261	
QC CODE				SA		DU		SA		SA		SA	
SAMP DETH TOP				0		0		6.8		0		0	
SAMP DEPTH BOT				0.3		0 3		7 2		0.2		0 2	
MATRIX:				SOIL		SOIL		SOIL		SOIL		SOIL	
SAMP DATE				17-Mar-98		17-Mar-98		17-Mar-98		17-Mar-98		17-Mar-98	
PARAMETER	UNIT	TAGM	PRG-REC	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q
1,2,4-Trichlorobenzene	UG/KG	3400	10528846	72	U	73	U	74	U	85	U	73	U
1,2-Dichlorobenzene	UG/KG	7900	94759615	72	U	73	U	74	U	85	U	73	U
1,3-Dichlorobenzene	UG/KG	1600	93706731	72	U	73	U	74	U	85	U	73	U
1,4-Dichlorobenzene	UG/KG	8500	2866186	72	U	73	U	74	U	85	U	73	U
2,4,5-Trichlorophenol	UG/KG	100	105288462	180	U	180	U	180	U	200	U	180	U
2,4,6-Trichlorophenol	UG/KG		6253497	72	U	73	U	74	U	85	U	73	U
2,4-Dichlorophenol	UG/KG	400	3158654	72	U	73	U	74	U	85	U	73	U
2,4-Dimethylphenol	UG/KG		21057692	72	U	73	U	74	U	85	U	73	U
2,4-Dinitrophenol	UG/KG	200	2105769	180	U	180	U	180	U	200	U	180	U
2,4-Dinitrotoluene	UG/KG		2105769	72	U	73	U	74	U	85	U	73	U
2,6-Dinitrotoluene	UG/KG	1000	1052885	72	U	73	U	74	U	85	U	73	U
2-Chloronaphthalene	UG/KG			72	U	73	U	74	U	85	U	73	U
2-Chlorophenol	UG/KG	800	5264423	72	U	73	U	74	U	85	U	73	U
2-Methylnaphthalene	UG/KG	36400		72	U	4	J	74	U	85	U	6.1	J
2-Methylphenol	UG/KG	100	52644231	72	U	73	U	74	U	85	U	73	U
2-Nitroaniline	UG/KG	430	63173	180	U	180	U	180	U	200	U	180	U
2-Nitrophenol	UG/KG	330		72	U	73	U	74	U	85	U	73	U
3,3'-Dichlorobenzidine	UG/KG		152863	72	U	73	U	74	U	85	U	73	U
3-Nitroaniline	UG/KG	500	3158654	180	U	180	U	180	U	200	U	180	U
4,6-Dinitro-2-methylphenol	UG/KG			180	U	180	U	180	U	200	U	180	U
4-Bromophenyl phenyl ether	UG/KG		61067308	72	U	73	U	74	U	85	U	73	U
4-Chloro-3-methylphenol	UG/KG	240		72	U	73	U	74	U	85	U	73	U
4-Chloroaniline	UG/KG	220	4211538	72	U	73	U	74	U	85	U	73	U
4-Chlorophenyl phenyl ether	UG/KG			72	U	73	U	74	U	85	U	73	U
4-Methylphenol	UG/KG	900		72	U	73	U	74	U	85	U	73	U
4-Nitroaniline	UG/KG		3158654	180	U	180	U	180	U	200	U	180	U
4-Nitrophenol	UG/KG	100	63173077	180	U	180	U	180	U	200	U	180	U
Acenaphthene	UG/KG	50000		72	U	73	U	74	U	5.4	J	8.6	J
Acenaphthylene	UG/KG	41000		72	U	73	U	74	U	85	U	73	U
Anthracene	UG/KG	50000	315865385	3.8	J	4.3	J	74	U	9	J	19	J
Benzo[a]anthracene	UG/KG	224	94231	46	J	36	J	74	U	68	J	160	
Benzo[a]pyrene	UG/KG	61	9423	52	J	40	J	74	U	[redacted]	J	[redacted]	
Benzo[b]fluoranthene	UG/KG	1100	94231	52	J	47	J	74	U	96		320	
Benzo[ghi]perylene	UG/KG	50000		43	J	33	J	74	U	64	J	210	
Benzo[k]fluoranthene	UG/KG	1100	942308	67	J	55	J	74	U	85		230	
Bis(2-Chloroethoxy)methane	UG/KG			72	U	73	U	74	U	85	U	73	U
Bis(2-Chloroethyl)ether	UG/KG		62535	72	U	73	U	74	U	85	U	73	U
Bis(2-Chloroisopropyl)ether	UG/KG		982692	72	U	73	U	74	U	85	U	73	U
Bis(2-Ethylhexyl)phthalate	UG/KG	50000	4913462	27	JB	19	JB	16	JB	9.2	JB	110	B
Butylbenzylphthalate	UG/KG	50000	210576923	72	U	73	U	74	U	85	U	73	U
Carbazole	UG/KG		3439423	5	J	5.7	J	74	U	12	J	48	J
Chrysene	UG/KG	400	9423077	57	J	50	J	74	U	96		270	
Di-n-butylphthalate	UG/KG	8100		3.8	J	73	U	74	U	85	U	73	U
Di-n-octylphthalate	UG/KG	50000	21057692	72	U	73	U	74	U	85	U	73	U
Dibenz[a,h]anthracene	UG/KG	14	9423	[redacted]	J	[redacted]	J	74	U	[redacted]	J	[redacted]	
Dibenzofuran	UG/KG	6200	4211538	72	U	73	U	74	U	85	U	4.6	J
Diethyl phthalate	UG/KG	7100	842307692	3.8	JB	5.3	JB	7.9	JB	7.8	JB	7.7	JB
Dimethylphthalate	UG/KG	2000	10528846150	72	U	73	U	74	U	85	U	73	U
Fluoranthene	UG/KG	50000	42115385	87		82		74	U	200		450	
Fluorene	UG/KG	50000	42115385	72	U	73	U	74	U	5.1	J	8.4	J
Hexachlorobenzene	UG/KG	410	42993	72	U	73	U	74	U	85	U	73	U
Hexachlorobutadiene	UG/KG		210577	72	U	73	U	74	U	85	U	73	U
Hexachlorocyclopentadiene	UG/KG		7370192	72	U	73	U	74	U	85	U	73	U
Hexachloroethane	UG/KG		1052885	72	U	73	U	74	U	85	U	73	U
Indeno[1,2,3-cd]pyrene	UG/KG	3200	94231	44	J	32	J	74	U	61	J	180	
Isophorone	UG/KG	4400		72	U	73	U	74	U	85	U	73	U
N-Nitrosodiphenylamine	UG/KG		14038462	72	U	73	U	74	U	85	U	73	U
N-Nitrosodipropylamine	UG/KG		9827	72	U	73	U	74	U	85	U	73	U
Naphthalene	UG/KG	13000	42115385	72	U	73	U	74	U	85	U	4.9	J
Nitrobenzene	UG/KG	200	526442	72	U	73	U	74	U	85	U	73	U
Pentachlorophenol	UG/KG	1000	573237	180	U	180	U	180	U	200	U	180	U
Phenanthrene	UG/KG	50000		22	J	26	J	74	U	96		180	
Phenol	UG/KG	30	631730769	72	U	73	U	74	U	85	U	73	U
Pyrene	UG/KG	50000	31586538	70	J	66	J	4	J	180		720	E
TPH	MG/KG			118		141		18.4	U	43 6		181	

Table 7-5
120D - Semivolatiles and TPH in Soil vs PRG-RFC
Non-Evaluated EBS Sites

SITE				SEAD-120D		SEAD-120D		SEAD-120D		SEAD-120D		SEAD-120D	
DESCRIPTION				MP Refueling Island in the Q		MP Refueling Island in the Q		MP Refueling Island in the Q		MP Refueling Island in the Q		MP Refueling Island in the Q	
LOC ID				SB120D-1		SB120D-1		SB120D-1		SS120D-1		SS120D-2	
SAMP_ID				EB258		EB026		EB259		EB260		EB261	
QC CODE				SA		DU		SA		SA		SA	
SAMP_DETH TOP				0		0		6 8		0		0	
SAMP_DEPTH BOT				0 3		0 3		7 2		0 2		0 2	
MATRIX				SOIL		SOIL		SOIL		SOIL		SOIL	
SAMP_DATE				17-Mar-98		17-Mar-98		17-Mar-98		17-Mar-98		17-Mar-98	
PARAMETER	UNIT	TAGM	PRG-REC	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q
1,2,4-Trichlorobenzene	UG/KG	3400	10528846	72	U	73	U	74	U	85	U	73	U
1,2-Dichlorobenzene	UG/KG	7900	94759615	72	U	73	U	74	U	85	U	73	U
1,3-Dichlorobenzene	UG/KG	1600	93706731	72	U	73	U	74	U	85	U	73	U
1,4-Dichlorobenzene	UG/KG	8500	2866186	72	U	73	U	74	U	85	U	73	U
2,4,5-Trichlorophenol	UG/KG	100	105288462	180	U	180	U	180	U	200	U	180	U
2,4,6-Trichlorophenol	UG/KG		6253497	72	U	73	U	74	U	85	U	73	U
2,4-Dichlorophenol	UG/KG	400	3158654	72	U	73	U	74	U	85	U	73	U
2,4-Dimethylphenol	UG/KG		21057692	72	U	73	U	74	U	85	U	73	U
2,4-Dinitrophenol	UG/KG	200	2105769	180	U	180	U	180	U	200	U	180	U
2,4-Dinitrotoluene	UG/KG		2105769	72	U	73	U	74	U	85	U	73	U
2,6-Dinitrotoluene	UG/KG	1000	1052885	72	U	73	U	74	U	85	U	73	U
2-Chloronaphthalene	UG/KG			72	U	73	U	74	U	85	U	73	U
2-Chlorophenol	UG/KG	800	5264423	72	U	73	U	74	U	85	U	73	U
2-Methylnaphthalene	UG/KG	36400		72	U	4	J	74	U	85	U	6 1	J
2-Methylphenol	UG/KG	100	52644231	72	U	73	U	74	U	85	U	73	U
2-Nitroaniline	UG/KG	430	63173	180	U	180	U	180	U	200	U	180	U
2-Nitrophenol	UG/KG	330		72	U	73	U	74	U	85	U	73	U
3,3 -Dichlorobenzidine	UG/KG		152863	72	U	73	U	74	U	85	U	73	U
3-Nitroaniline	UG/KG	500	3158654	180	U	180	U	180	U	200	U	180	U
4,6-Dinitro-2-methylphenol	UG/KG			180	U	180	U	180	U	200	U	180	U
4-Bromophenyl phenyl ether	UG/KG		61067308	72	U	73	U	74	U	85	U	73	U
4-Chloro-3-methylphenol	UG/KG	240		72	U	73	U	74	U	85	U	73	U
4-Chloroaniline	UG/KG	220	4211538	72	U	73	U	74	U	85	U	73	U
4-Chlorophenyl phenyl ether	UG/KG			72	U	73	U	74	U	85	U	73	U
4-Methylphenol	UG/KG	900		72	U	73	U	74	U	85	U	73	U
4-Nitroaniline	UG/KG		3158654	180	U	180	U	180	U	200	U	180	U
4-Nitrophenol	UG/KG	100	63173077	180	U	180	U	180	U	200	U	180	U
Acenaphthene	UG/KG	50000		72	U	73	U	74	U	5 4	J	8 6	J
Acenaphthylene	UG/KG	41000		72	U	73	U	74	U	85	U	73	U
Anthracene	UG/KG	50000	315865385	3 8	J	4 3	J	74	U	9	J	19	J
Benzo[a]anthracene	UG/KG	224	94231	46	J	36	J	74	U	68	J	160	
Benzo[a]pyrene	UG/KG	61	9423	52	J	40	J	74	U	74	J	200	
Benzo[b]fluoranthene	UG/KG	1100	94231	52	J	47	J	74	U	96		320	
Benzo[ghi]perylene	UG/KG	50000		43	J	33	J	74	U	64	J	210	
Benzo[k]fluoranthene	UG/KG	1100	942308	67	J	55	J	74	U	85		230	
Bis(2-Chloroethoxy)methane	UG/KG			72	U	73	U	74	U	85	U	73	U
Bis(2-Chloroethyl)ether	UG/KG		62535	72	U	73	U	74	U	85	U	73	U
Bis(2-Chloroisopropyl)ether	UG/KG		982692	72	U	73	U	74	U	85	U	73	U
Bis(2-Ethylhexyl)phthalate	UG/KG	50000	4913462	27	JB	19	JB	16	JB	9 2	JB	110	B
Butylbenzylphthalate	UG/KG	50000	210576923	72	U	73	U	74	U	85	U	73	U
Carbazole	UG/KG		3439423	5	J	5 7	J	74	U	12	J	46	J
Chrysene	UG/KG	400	9423077	57	J	50	J	74	U	96		270	
Di-n-butylphthalate	UG/KG	8100		3 8	J	73	U	74	U	85	U	73	U
Di-n-octylphthalate	UG/KG	50000	21057692	72	U	73	U	74	U	85	U	73	U
Dibenz[a,h]anthracene	UG/KG	14	9423	22	J	17	J	74	U	21	J	92	
Dibenzofuran	UG/KG	6200	4211538	72	U	73	U	74	U	85	U	4 6	J
Diethyl phthalate	UG/KG	7100	842307692	3 8	JB	5 3	JB	7 9	JB	7 8	JB	7 7	JB
Dimethylphthalate	UG/KG	2000	10528846150	72	U	73	U	74	U	85	U	73	U
Fluoranthene	UG/KG	50000	42115385	87		82		74	U	200		450	
Fluorene	UG/KG	50000	42115385	72	U	73	U	74	U	5 1	J	8 4	J
Hexachlorobenzene	UG/KG	410	42993	72	U	73	U	74	U	85	U	73	U
Hexachlorobutadiene	UG/KG		210577	72	U	73	U	74	U	85	U	73	U
Hexachlorocyclopentadiene	UG/KG		7370192	72	U	73	U	74	U	85	U	73	U
Hexachloroethane	UG/KG		1052885	72	U	73	U	74	U	85	U	73	U
Indeno[1,2,3-cd]pyrene	UG/KG	3200	94231	44	J	32	J	74	U	61	J	180	
Isophorone	UG/KG	4400		72	U	73	U	74	U	85	U	73	U
N-Nitrosodiphenylamine	UG/KG		14038462	72	U	73	U	74	U	85	U	73	U
N-Nitrosodipropylamine	UG/KG		9827	72	U	73	U	74	U	85	U	73	U
Naphthalene	UG/KG	13000	42115385	72	U	73	U	74	U	85	U	4 9	J
Nitrobenzene	UG/KG	200	526442	72	U	73	U	74	U	85	U	73	U
Pentachlorophenol	UG/KG	1000	573237	180	U	180	U	180	U	200	U	180	U
Phenanthrene	UG/KG	50000		22	J	26	J	74	U	96		180	
Phenol	UG/KG	30	631730769	72	U	73	U	74	U	85	U	73	U
Pyrene	UG/KG	50000	31586538	70	J	66	J	4	J	180		720	E
TPH	MG/KG			118		141		18 4	U	43 6		181	

SEAD-120E

Near Building 2131, Possible DDT Disposal

Table 8-1

Sample Collection Information
SEAD-120E - Near Building 2131, Possible DDT Disposal

12 Moderate 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	SB120E-1	EB262	3/17/98	0.0	0.2	SA	Location is approximately 50 northeast of Building 2131; adjacent to a magnetic anomaly.
SOIL	SB120E-1	EB027	3/17/98	0.0	0.2	DU	Location is approximately 50 northeast of Building 2131; adjacent to a magnetic anomaly.
SOIL	SB120E-1	EB266	3/17/98	2.3	2.6	SA	Location is same as above. Sample collected at this interval in the boring because of stained soil and wire debris.
SEDIMENT	SD120E-1	EB263	3/17/98	0.0	0.2	SA	Location is in drainage ditch immediately downgradient of the magnetic anomaly.
SEDIMENT	SD120E-2	EB264	3/17/98	0.0	0.2	SA	Location is in drainage ditch approximately 100 feet downgradient of the magnetic anomaly.
SEDIMENT	SD120E-3	EB265	3/17/98	0.0	0.2	SA	Location is in drainage ditch approximately 200 feet downgradient of the magnetic anomaly; at intersection with Kendaia Creek.
WATER	SB120E-1	EB025	3/17/98	0.0	0.0	RB	NA

Notes:
SA = Sample
DU = Duplicate
RB = Rinse Blank
NA = Not Applicable

Table 8-2
120E Pesticides in Soil vs TAGM
Non-Evaluated EBS Sites

SITE:			SEAD-120E	SEAD-120E	SEAD-120E
DESCRIPTION:			Near Bldg 2131, Possible DDT Disposal	Near Bldg 2131, Possible DDT Disposal	Near Bldg 2131, Possible DDT Disposal
LOC ID:			SB120E-1	SB120E-1	SB120E-1
SAMPLE ID:			EB262	EB027	EB266
QA/QC CODE:			SA	DU	SA
SAMPLE TOP:			0	0	2.3
SAMPLE BOT:			0.2	0.3	2.6
MATRIX:			SOIL	SOIL	SOIL
SAMPLE DATE:			17-Mar-98	17-Mar-98	17-Mar-98
PARAMETER	UNIT	TAGM	PRG-REC	VALUE Q	VALUE Q	VALUE Q
4,4`-DDD	UG/KG	2900	286619	4.6 U	4.6 U	3.7 U
4,4`-DDE	UG/KG	2100	202319	4.6 U	4.6 U	3.7 U
4,4`-DDT	UG/KG	2100	202319	3 JP	4.6 U	3.7 U
Aldrin	UG/KG	41	4046	2.3 U	2.3 U	1.9 U
Alpha-BHC	UG/KG	110		2.3 U	2.3 U	1.9 U
Alpha-Chlordane	UG/KG			1.3 JP	2.3 U	1.9 U
Beta-BHC	UG/KG	200		2.3 U	2.3 U	1.9 U
Delta-BHC	UG/KG	300		2.3 U	2.3 U	1.9 U
Dieldrin	UG/KG	44	4299	4.6 U	4.6 U	3.7 U
Endosulfan I	UG/KG	900	6317308	2.3 U	2.3 U	1.9 U
Endosulfan II	UG/KG	900	6317308	2.6 J	4.6 U	3.7 U
Endosulfan sulfate	UG/KG	1000		4.6 U	4.6 U	3.7 U
Endrin	UG/KG	100	315865	4.6 U	4.6 U	3.7 U
Endrin aldehyde	UG/KG		315865	4.6 U	4.6 U	3.7 U
Endrin ketone	UG/KG		315865	4.6 U	4.6 U	3.7 U
Gamma-BHC/Lindane	UG/KG	60	52914	2.3 U	2.3 U	1.9 U
Gamma-Chlordane	UG/KG	540		2.3 U	2.3 U	1.9 U
Heptachlor	UG/KG	100	15286	2.3 U	2.3 U	1.9 U
Heptachlor epoxide	UG/KG	20	7559	2.1 JP	2.3 U	1.9 U
Methoxychlor	UG/KG		5264423	23 U	23 U	19 U
Toxaphene	UG/KG			230 U	230 U	190 U

Table 8-3
120E Pesticides in Soil vs PRG-REC
Non-Evaluated EBS Sites

SITE:			SEAD-120E	SEAD-120E	SEAD-120E
DESCRIPTION:			Near Bldg 2131, Possible DDT Disposal	Near Bldg 2131, Possible DDT Disposal	Near Bldg 2131, Possible DDT Disposal
LOC ID:			SB120E-1	SB120E-1	SB120E-1
SAMPLE ID:			EB262	EB027	EB266
QA/QC CODE:			SA	DU	SA
SAMPLE TOP:			0	0	2.3
SAMPLE BOT:			0.2	0.3	2.6
MATRIX:			SOIL	SOIL	SOIL
SAMPLE DATE:			17-Mar-98	17-Mar-98	17-Mar-98
PARAMETER	UNIT	TAGM	PRG-REC	VALUE Q	VALUE Q	VALUE Q
4,4`-DDD	UG/KG	2900	286619	4.6 U	4.6 U	3.7 U
4,4`-DDE	UG/KG	2100	202319	4.6 U	4.6 U	3.7 U
4,4`-DDT	UG/KG	2100	202319	3 JP	4.6 U	3.7 U
Aldrin	UG/KG	41	4046	2.3 U	2.3 U	1.9 U
Alpha-BHC	UG/KG	110		2.3 U	2.3 U	1.9 U
Alpha-Chlordane	UG/KG			1.3 JP	2.3 U	1.9 U
Beta-BHC	UG/KG	200		2.3 U	2.3 U	1.9 U
Delta-BHC	UG/KG	300		2.3 U	2.3 U	1.9 U
Dieldrin	UG/KG	44	4299	4.6 U	4.6 U	3.7 U
Endosulfan I	UG/KG	900	6317308	2.3 U	2.3 U	1.9 U
Endosulfan II	UG/KG	900	6317308	2.6 J	4.6 U	3.7 U
Endosulfan sulfate	UG/KG	1000		4.6 U	4.6 U	3.7 U
Endrin	UG/KG	100	315865	4.6 U	4.6 U	3.7 U
Endrin aldehyde	UG/KG		315865	4.6 U	4.6 U	3.7 U
Endrin ketone	UG/KG		315865	4.6 U	4.6 U	3.7 U
Gamma-BHC/Lindan	UG/KG	60	52914	2.3 U	2.3 U	1.9 U
Gamma-Chlordane	UG/KG	540		2.3 U	2.3 U	1.9 U
Heptachlor	UG/KG	100	15286	2.3 U	2.3 U	1.9 U
Heptachlor epoxide	UG/KG	20	7559	2.1 JP	2.3 U	1.9 U
Methoxychlor	UG/KG		5264423	23 U	23 U	19 U
Toxaphene	UG/KG			230 U	230 U	190 U

Table 8-4
Pesticides in Sediment vs NYS Criteria
Non-Evaluated EBS Sites

SITE:				SEAD-120E	SEAD-120E	SEAD-120E
DESCRIPTION:				Near Building 2131, Possible DDT Disposal	Near Building 2131, Possible DDT Disposal	Near Building 2131, Possible DDT Disposal
LOC ID:				SD120E-1	SD120E-2	SD120E-3
SAMP_ID:				EB263	EB264	EB265
QC CODE:				SA	SA	SA
SAMP. DETH TOP:				0	0	0
SAMP. DEPTH BOT:				0.2	0.2	0.2
MATRIX:				SEDIMENT	SEDIMENT	SEDIMENT
SAMP. DATE:				17-Mar-98	17-Mar-98	17-Mar-98
PARAMETER	UNIT	CRITERIA TYPE	LEVEL	VALUE Q	VALUE Q	VALUE Q
4,4`-DDD	UG/KG	NYS HUMAN HEALTH BIOACCUMULATION CRITERIA	10.	4.8 U	6.5 U	5.1 JP
4,4`-DDE	UG/KG	NYS HUMAN HEALTH BIOACCUMULATION CRITERIA	10.	4.8 U	6.5 U	7.9 P
4,4`-DDT	UG/KG	NYS HUMAN HEALTH BIOACCUMULATION CRITERIA	10.	4.3 JP	4.5 JP	6.3 J
Aldrin	UG/KG	NYS HUMAN HEALTH BIOACCUMULATION CRITERIA	100.	2.4 U	3.3 U	3.7 U
Alpha-BHC	UG/KG			2.4 U	3.3 U	3.7 U
Alpha-Chlordane	UG/KG			2.4 U	3.3 U	3.7 U
Beta-BHC	UG/KG			2.4 U	3.3 U	3.7 U
Delta-BHC	UG/KG			2.4 U	3.3 U	3.7 U
Dieldrin	UG/KG	NYS HUMAN HEALTH BIOACCUMULATION CRITERIA	100.	4.8 U	6.5 U	7.4 U
Endosulfan I	UG/KG	NYS BENTHIC AQUATIC LIFE CHRONIC TOXICITY CRITERIA	30.	2.4 U	3.3 U	3.7 U
Endosulfan II	UG/KG	NYS BENTHIC AQUATIC LIFE CHRONIC TOXICITY CRITERIA	30.	4.8 U	6.5 U	7.4 U
Endosulfan sulfate	UG/KG			4.8 U	6.5 U	7.4 U
Endrin	UG/KG	NYS HUMAN HEALTH BIOACCUMULATION CRITERIA	800.	4.8 U	6.5 U	7.4 U
Endrin aldehyde	UG/KG			4.8 U	6.5 U	7.4 U
Endrin ketone	UG/KG			4.8 U	6.5 U	7.4 U
Gamma-BHC/Lindane	UG/KG			2.4 U	3.3 U	3.7 U
Gamma-Chlordane	UG/KG			2.4 U	3.3 U	3.7 U
Heptachlor	UG/KG	NYS HUMAN HEALTH BIOACCUMULATION CRITERIA	.8	2.4 U	3.3 U	3.7 U
Heptachlor epoxide	UG/KG	NYS HUMAN HEALTH BIOACCUMULATION CRITERIA	.8	2.4 U	3.3 U	3.7 U
Methoxychlor	UG/KG			24. U	33. U	37. U
Toxaphene	UG/KG			240. U	330. U	370. U

SEAD-120G

Mounds at the Duck Pond

Table 10-1

Sample Collection Information
SEAD-120G - Mounds at the Duck Ponds

12 Moderate 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	TP120G-1	EB112	3/5/98	0.5	0.5	SA	Location is at north end of Duck Ponds Area; location chosen because it was where a depression within a 3-foot high mound, which was on top of a larger 4-foot high mound, was located; the mounds were covered with brush and trees.
SOIL	TP120G-1	EB113	3/5/98	2.0	2.0	SA	Location is the same as above; sample was taken at approximately mid-depth in the pit because no VOC hits or visual impacts were noted in the soil.
SOIL	TP120G-2	EB114	3/6/98	1.5	1.5	SA	Location is at north end of Duck Ponds Area; location was chosen because it is where a 100-foot long and 65 feet wide east-west trending mound is located. The trench was located on the north side of the mound, the only area that had surface debris.
SOIL	TP120G-2	EB115	3/6/98	3.0	3.0	SA	Location is the same as above; sample was taken at approximately mid-depth in the pit because no VOC hits or visual impacts were noted in the soil
SOIL	TP120G-3	EB135	3/9/98	1.0	1.0	SA	Location is a grassy area in east-central area of Duck Ponds Area; location was chosen because it is where uneven, lumpy ground was noted; it was a location that was suspected to be a previous excavation
SOIL	TP120G-3	EB136	3/9/98	2.0	2.0	SA	Location is the same as above; sample was taken at approximately mid-depth in the pit because no VOC hits or visual impacts were noted in the soil.

Table 10-1

Sample Collection Information
SEAD-120G - Mounds at the Duck Ponds

12 Moderate 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	TP120G-4	EB118	3/6/98	1.5	1.5	SA	Location is a mound in southeastern portion of Duck Ponds Area; location was chosen because it is the location of a 200-foot long and 100-foot wide mound; the excavatoin was on the east side of the mound near the road
SOIL	TP120G-4	EB119	3/6/98	3.5	3.5	SA	Location is the same as above; sample was taken at approximately mid-depth in the pit because no VOC hits or visual impacts were noted in the soil
SOIL	TP120G-5	EB120	3/6/98	1.0	1.0	SA	Location is a mound in southern portion of Duck Ponds Area; location was chosen because it is where a 50-foot long, 35-foot wide, and 3-foot high area of disturbed ground with surface debris (metal strapping) was located
SOIL	TP120G-5	EB121	3/6/98	2.0	2.0	SA	Location is the same as above; sample was taken at approximately mid-depth in the pit because no VOC hits or visual impacts were noted in the soil

Notes
SA = Sample

Table 10-2
120G - Volatiles in Soil vs TAGMs
Non-Evaluated EBS Sites

SITE				SEAD-120G MOUNDS AT THE DUCK POND		SEAD-120G MOUNDS AT THE DUCK POND		SEAD-120G MOUNDS AT THE DUCK POND		SEAD-120G MOUNDS AT THE DUCK POND		SEAD-120G MOUNDS AT THE DUCK POND	
DESCRIPTION													
LOC ID:				TP120G-1		TP120G-1		TP120G-2		TP120G-2		TP120G-3		TP120G-3	
SAMP ID				EB112		EB113		EB114		EB115		EB135		EB136	
QC CODE				SA		SA		SA		SA		SA		SA	
SAMP. DETH TOP:				0.5		2		1.5		3		1		2	
SAMP. DEPTH BOT:				0.5		2		1.5		3		1		2	
MATRIX:				SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
SAMP. DATE:				5-Mar-98		5-Mar-98		6-Mar-98		6-Mar-98		9-Mar-98		9-Mar-98	
PARAMETER	UNIT	TAGM	PRG-REC	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q
1,1,1-Trichloroethane	UG/KG	800	36850962	12	U	12	U	12	U	13	U	13	U	13	U
1,1,2,2-Tetrachloroethane	UG/KG	600	3439423	12	U	12	U	12	U	13	U	13	U	13	U
1,1,2-Trichloroethane	UG/KG		1206815	12	U	12	U	12	U	13	U	13	U	13	U
1,1-Dichloroethane	UG/KG	200	105288462	12	U	12	U	12	U	13	U	13	U	13	U
1,1-Dichloroethene	UG/KG	400	114647	12	U	12	U	12	U	13	U	13	U	13	U
1,2-Dichloroethane	UG/KG	100	755917	12	U	12	U	12	U	13	U	13	U	13	U
1,2-Dichloroethene (total)	UG/KG			12	U	12	U	12	U	13	U	13	U	13	U
1,2-Dichloropropane	UG/KG		1011595	12	U	12	U	12	U	13	U	13	U	13	U
Acetone	UG/KG	200	105288462	12	U	11	J	17		20		13	U	9	J
Benzene	UG/KG	60	2372016	12	U	12	U	12	U	13	U	13	U	13	U
Bromodichloromethane	UG/KG		1109491	12	U	12	U	12	U	13	U	13	U	13	U
Bromoform	UG/KG		8707400	12	U	12	U	12	U	13	U	13	U	13	U
Carbon disulfide	UG/KG	2700	105288462	12	U	12	U	12	U	13	U	13	U	13	U
Carbon tetrachloride	UG/KG	600	529142	12	U	12	U	12	U	13	U	13	U	13	U
Chlorobenzene	UG/KG	1700	21057692	12	U	12	U	12	U	13	U	13	U	13	U
Chlorodibromomethane	UG/KG		818910	12	U	12	U	12	U	13	U	13	U	13	U
Chloroethane	UG/KG	1900	421153846	12	U	12	U	12	U	13	U	13	U	13	U
Chloroform	UG/KG	300	10528846	12	U	12	U	12	U	13	U	13	U	13	U
Cis-1,3-Dichloropropene	UG/KG			12	U	12	U	12	U	13	U	13	U	13	U
Ethyl benzene	UG/KG	5500	105288462	12	U	12	U	12	U	13	U	13	U	13	U
Methyl bromide	UG/KG		1505625	12	U	12	U	12	U	13	U	13	U	13	U
Methyl butyl ketone	UG/KG			12	U	12	U	12	U	13	U	13	U	13	U
Methyl chloride	UG/KG		5291420	12	U	12	U	12	U	13	U	13	U	13	U
Methyl ethyl ketone	UG/KG	300		12	U	12	U	12	U	13	U	13	U	13	U
Methyl isobutyl ketone	UG/KG	1000	84230769	12	U	12	U	12	U	13	U	13	U	13	U
Methylene chloride	UG/KG	100	9171795	12	U	12	U	12	U	13	U	13	U	13	U
Styrene	UG/KG			12	U	12	U	12	U	13	U	13	U	13	U
Tetrachloroethene	UG/KG	1400	1322855	12	U	12	U	12	U	13	U	13	U	13	U
Toluene	UG/KG	1500	210576923	12	U	12	U	12	U	13	U	13	U	7	J
Total Xylenes	UG/KG	1200	2105769231	12	U	12	U	12	U	13	U	13	U	13	U
Trans-1,3-Dichloropropene	UG/KG			12	U	12	U	12	U	13	U	13	U	13	U
Trichloroethene	UG/KG	700	6253497	12	U	12	U	12	U	13	U	13	U	13	U
Vinyl chloride	UG/KG	200	36204	12	U	12	U	12	U	13	U	13	U	13	U

Table 10-2
120G - Volatiles in Soil vs TAGMs
Non-Evaluated EBS Sites

SITE:				SEAD-120G	SEAD-120G	SEAD-120G	SEAD-120G
DESCRIPTION:				MOUNDS AT THE DUCK POND	MOUNDS AT THE DUCK POND	MOUNDS AT THE DUCK POND	MOUNDS AT THE DUCK POND
LOC ID:				TP120G-4	TP120G-4	TP120G-5	TP120G-5
SAMP ID:				EB118	EB119	EB120	EB121
QC CODE:				SA	SA	SA	SA
SAMP_DETH TOP:				1.5	3.5	1	2
SAMP_DEPTH BOT:				1.5	3.5	1	2
MATRIX:				SOIL	SOIL	SOIL	SOIL
SAMP_DATE:				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
1,1,1-Trichloroethane	UG/KG	800	36850962	12 U	11 U	14 U	14 U
1,1,2,2-Tetrachloroethane	UG/KG	600	3439423	12 U	11 U	14 U	14 U
1,1,2-Trichloroethane	UG/KG		1206815	12 U	11 U	14 U	14 U
1,1-Dichloroethane	UG/KG	200	105288462	12 U	11 U	14 U	14 U
1,1-Dichloroethene	UG/KG	400	114647	12 U	11 U	14 U	14 U
1,2-Dichloroethane	UG/KG	100	755917	12 U	11 U	14 U	14 U
1,2-Dichloroethene (total)	UG/KG			12 U	11 U	14 U	14 U
1,2-Dichloropropane	UG/KG		1011595	12 U	11 U	14 U	14 U
Acetone	UG/KG	200	105288462	7 J	10 J	14 U	14 U
Benzene	UG/KG	60	2372016	12 U	11 U	14 U	14 U
Bromodichloromethane	UG/KG		1109491	12 U	11 U	14 U	14 U
Bromoform	UG/KG		8707400	12 U	11 U	14 U	14 U
Carbon disulfide	UG/KG	2700	105288462	12 U	11 U	14 U	14 U
Carbon tetrachloride	UG/KG	600	529142	12 U	11 U	14 U	14 U
Chlorobenzene	UG/KG	1700	21057692	12 U	11 U	14 U	14 U
Chlorodibromomethane	UG/KG		818910	12 U	11 U	14 U	14 U
Chloroethane	UG/KG	1900	421153846	12 U	11 U	14 U	14 U
Chloroform	UG/KG	300	10528846	12 U	11 U	14 U	14 U
Cis-1,3-Dichloropropene	UG/KG			12 U	11 U	14 U	14 U
Ethyl benzene	UG/KG	5500	105288462	12 U	11 U	14 U	14 U
Methyl bromide	UG/KG		1505625	12 U	11 U	14 U	14 U
Methyl butyl ketone	UG/KG			12 U	11 U	14 U	14 U
Methyl chloride	UG/KG		5291420	12 U	11 U	14 U	14 U
Methyl ethyl ketone	UG/KG	300		12 U	11 U	14 U	14 U
Methyl isobutyl ketone	UG/KG	1000	84230769	12 U	11 U	14 U	14 U
Methylene chloride	UG/KG	100	9171795	12 U	11 U	14 U	14 U
Styrene	UG/KG			12 U	11 U	14 U	14 U
Tetrachloroethene	UG/KG	1400	1322855	12 U	11 U	14 U	14 U
Toluene	UG/KG	1500	210576923	4 J	2 J	5 J	3 J
Total Xylenes	UG/KG	1200	2105769231	12 U	11 U	14 U	14 U
Trans-1,3-Dichloropropene	UG/KG			12 U	11 U	14 U	14 U
Trichloroethene	UG/KG	700	6253497	12 U	11 U	14 U	14 U
Vinyl chloride	UG/KG	200	36204	12 U	11 U	14 U	14 U

Table 10-3
120G - Volatiles in Soil vs PRG-REC
Non-Evaluated EBS Sites

SITE				SEAD-120G	SEAD-120G	SEAD-120G	SEAD-120G	SEAD-120G	SEAD-120G
DESCRIPTION.				MOUNDS AT THE DUCK POND	MOUNDS AT THE DUCK POND	MOUNDS AT THE DUCK POND	MOUNDS AT THE DUCK POND	MOUNDS AT THE DUCK POND	MOUNDS AT THE DUCK POND
LOC ID.				TP120G-1	TP120G-1	TP120G-2	TP120G-2	TP120G-3	TP120G-3
SAMP ID				EB112	EB113	EB114	EB115	EB135	EB136
QC CODE.				SA	SA	SA	SA	SA	SA
SAMP. DETH TOP:				0.5	2	1.5	3	1	2
SAMP. DEPTH BOT:				0.5	2	1.5	3	1	2
MATRIX				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
SAMP. DATE:				5-Mar-98	5-Mar-98	6-Mar-98	6-Mar-98	9-Mar-98	9-Mar-98
PARAMETER	UNIT	TAGM	PRG-REC	VALUE Q	VALUE Q	VALUE Q	VALUE Q	VALUE Q	VALUE Q
1,1,1-Trichloroethane	UG/KG	800	36850962	12 U	12 U	12 U	13 U	13 U	13 U
1,1,2,2-Tetrachloroethane	UG/KG	600	3439423	12 U	12 U	12 U	13 U	13 U	13 U
1,1,2-Trichloroethane	UG/KG		1206815	12 U	12 U	12 U	13 U	13 U	13 U
1,1-Dichloroethane	UG/KG	200	105288462	12 U	12 U	12 U	13 U	13 U	13 U
1,1-Dichloroethene	UG/KG	400	114647	12 U	12 U	12 U	13 U	13 U	13 U
1,2-Dichloroethane	UG/KG	100	755917	12 U	12 U	12 U	13 U	13 U	13 U
1,2-Dichloroethene (total)	UG/KG			12 U	12 U	12 U	13 U	13 U	13 U
1,2-Dichloropropane	UG/KG		1011595	12 U	12 U	12 U	13 U	13 U	13 U
Acetone	UG/KG	200	105288462	12 U	11 J	17	20	13 U	9 J
Benzene	UG/KG	60	2372016	12 U	12 U	12 U	13 U	13 U	13 U
Bromodichloromethane	UG/KG		1109491	12 U	12 U	12 U	13 U	13 U	13 U
Bromoform	UG/KG		8707400	12 U	12 U	12 U	13 U	13 U	13 U
Carbon disulfide	UG/KG	2700	105288462	12 U	12 U	12 U	13 U	13 U	13 U
Carbon tetrachloride	UG/KG	600	529142	12 U	12 U	12 U	13 U	13 U	13 U
Chlorobenzene	UG/KG	1700	21057692	12 U	12 U	12 U	13 U	13 U	13 U
Chlorodibromomethane	UG/KG		818910	12 U	12 U	12 U	13 U	13 U	13 U
Chloroethane	UG/KG	1900	421153846	12 U	12 U	12 U	13 U	13 U	13 U
Chloroform	UG/KG	300	10528846	12 U	12 U	12 U	13 U	13 U	13 U
Cis-1,3-Dichloropropene	UG/KG			12 U	12 U	12 U	13 U	13 U	13 U
Ethyl benzene	UG/KG	5500	105288462	12 U	12 U	12 U	13 U	13 U	13 U
Methyl bromide	UG/KG		1505625	12 U	12 U	12 U	13 U	13 U	13 U
Methyl butyl ketone	UG/KG			12 U	12 U	12 U	13 U	13 U	13 U
Methyl chloride	UG/KG		5291420	12 U	12 U	12 U	13 U	13 U	13 U
Methyl ethyl ketone	UG/KG	300		12 U	12 U	12 U	13 U	13 U	13 U
Methyl isobutyl ketone	UG/KG	1000	84230769	12 U	12 U	12 U	13 U	13 U	13 U
Methylene chloride	UG/KG	100	9171795	12 U	12 U	12 U	13 U	13 U	13 U
Styrene	UG/KG			12 U	12 U	12 U	13 U	13 U	13 U
Tetrachloroethene	UG/KG	1400	1322855	12 U	12 U	12 U	13 U	13 U	13 U
Toluene	UG/KG	1500	210576923	12 U	12 U	12 U	13 U	13 U	7 J
Total Xylenes	UG/KG	1200	2105769231	12 U	12 U	12 U	13 U	13 U	13 U
Trans-1,3-Dichloropropene	UG/KG			12 U	12 U	12 U	13 U	13 U	13 U
Trichloroethene	UG/KG	700	6253497	12 U	12 U	12 U	13 U	13 U	13 U
Vinyl chloride	UG/KG	200	36204	12 U	12 U	12 U	13 U	13 U	13 U

Table 10-3
120G - Volatiles in Soil vs PRG-REC
Non-Evaluated EBS Sites

SITE:				SEAD-120G		SEAD-120G		SEAD-120G		SEAD-120G	
DESCRIPTION:				MOUNDS AT THE DUCK POND		MOUNDS AT THE DUCK POND		MOUNDS AT THE DUCK POND		MOUNDS AT THE DUCK POND	
LOC ID:				TP120G-4		TP120G-4		TP120G-5		TP120G-5	
SAMP ID				EB118		EB119		EB120		EB121	
QC CODE:				SA		SA		SA		SA	
SAMP. DETH TOP				1.5		3.5		1		2	
SAMP. DEPTH BOT:				1.5		3.5		1		2	
MATRIX:				SOIL		SOIL		SOIL		SOIL	
SAMP. DATE:				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
1,1,1-Trichloroethane	UG/KG	800	36850962	12	U	11	U	14	U	14	U
1,1,2,2-Tetrachloroethane	UG/KG	600	3439423	12	U	11	U	14	U	14	U
1,1,2-Trichloroethane	UG/KG		1206815	12	U	11	U	14	U	14	U
1,1-Dichloroethane	UG/KG	200	105288462	12	U	11	U	14	U	14	U
1,1-Dichloroethene	UG/KG	400	114647	12	U	11	U	14	U	14	U
1,2-Dichloroethane	UG/KG	100	755917	12	U	11	U	14	U	14	U
1,2-Dichloroethene (total)	UG/KG			12	U	11	U	14	U	14	U
1,2-Dichloropropane	UG/KG		1011595	12	U	11	U	14	U	14	U
Acetone	UG/KG	200	105288462	7	J	10	J	14	U	14	U
Benzene	UG/KG	60	2372016	12	U	11	U	14	U	14	U
Bromodichloromethane	UG/KG		1109491	12	U	11	U	14	U	14	U
Bromoform	UG/KG		8707400	12	U	11	U	14	U	14	U
Carbon disulfide	UG/KG	2700	105288462	12	U	11	U	14	U	14	U
Carbon tetrachlonde	UG/KG	600	529142	12	U	11	U	14	U	14	U
Chlorobenzene	UG/KG	1700	21057692	12	U	11	U	14	U	14	U
Chlorodibromomethane	UG/KG		818910	12	U	11	U	14	U	14	U
Chloroethane	UG/KG	1900	421153846	12	U	11	U	14	U	14	U
Chloroform	UG/KG	300	10528846	12	U	11	U	14	U	14	U
Cis-1,3-Dichloropropene	UG/KG			12	U	11	U	14	U	14	U
Ethyl benzene	UG/KG	5500	105288462	12	U	11	U	14	U	14	U
Methyl bromide	UG/KG		1505625	12	U	11	U	14	U	14	U
Methyl butyl ketone	UG/KG			12	U	11	U	14	U	14	U
Methyl chloride	UG/KG		5291420	12	U	11	U	14	U	14	U
Methyl ethyl ketone	UG/KG	300		12	U	11	U	14	U	14	U
Methyl isobutyl ketone	UG/KG	1000	84230769	12	U	11	U	14	U	14	U
Methylene chloride	UG/KG	100	9171795	12	U	11	U	14	U	14	U
Styrene	UG/KG			12	U	11	U	14	U	14	U
Tetrachloroethene	UG/KG	1400	1322855	12	U	11	U	14	U	14	U
Toluene	UG/KG	1500	210576923	4	J	2	J	5	J	3	J
Total Xylenes	UG/KG	1200	2105769231	12	U	11	U	14	U	14	U
Trans-1,3-Dichloropropene	UG/KG			12	U	11	U	14	U	14	U
Trichloroethene	UG/KG	700	6253497	12	U	11	U	14	U	14	U
Vinyl chloride	UG/KG	200	36204	12	U	11	U	14	U	14	U

Table 10-4
120G - Semivolatiles and TPH in Soil vs TAGMs
Non-Evaluated EBS Sites

SITE				SEAD-120G MOUNDS AT THE DUCK POND		SEAD-120G MOUNDS AT THE DUCK POND		SEAD-120G MOUNDS AT THE DUCK POND		SEAD-120G MOUNDS AT THE DUCK POND		SEAD-120G MOUNDS AT THE DUCK POND		SEAD-120G MOUNDS AT THE DUCK POND		SEAD-120G MOUNDS AT THE DUCK POND	
DESCRIPTION																	
LOC ID				TP120G-1		TP120G-1		TP120G-2		TP120G-2		TP120G-3		TP120G-3		TP120G-4		TP120G-4		TP120G-5		TP120G-5	
SAMP ID				EB112		EB113		EB114		EB115		EB135		EB136		EB118		EB119		EB120		EB121	
QC CODE				SA		SA		SA		SA		SA		SA		SA		SA		SA		SA	
SAMP DETH TOP				0 5		2		1 5		3		1		2		1 5		3.5		1		2	
SAMP DEPTH BOT				0 5		2		1 5		3		1		2		1 5		3 5		1		2	
MATRIX				SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
SAMP DATE				5-Mar 98		5-Mar-98		6-Mar-98		6-Mar-98		9-Mar-98		9-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	VALUE	Q	VALUE	Q	VALUE	Q
1,2,4-Trichlorobenzene	UG/KG	3400	10528846	82	U	82	U	82	U	86	U	82	U	85	U	78	U	78	U	89	U	97	U
1,2-Dichlorobenzene	UG/KG	7900	94759615	82	U	82	U	82	U	86	U	82	U	85	U	78	U	78	U	89	U	97	U
1,3-Dichlorobenzene	UG/KG	1600	93706731	82	U	82	U	82	U	86	U	82	U	85	U	78	U	78	U	89	U	97	U
1,4-Dichlorobenzene	UG/KG	8500	2866186	82	U	82	U	82	U	86	U	82	U	85	U	78	U	78	U	89	U	97	U
2,4,5-Trichlorophenol	UG/KG	100	105288462	200	U	200	U	200	U	210	U	200	U	200	U	190	U	190	U	220	U	240	U
2,4,6-Trichlorophenol	UG/KG		6253497	82	U	82	U	82	U	86	U	82	U	85	U	78	U	78	U	89	U	97	U
2,4-Dichlorophenol	UG/KG	400	3156654	82	U	82	U	82	U	86	U	82	U	85	U	78	U	78	U	89	U	97	U
2,4-Dimethylphenol	UG/KG		21057692	82	U	82	U	82	U	86	U	82	U	85	U	78	U	78	U	89	U	97	U
2,4-Dinitrophenol	UG/KG	200	2105769	200	U	200	U	200	U	210	U	200	U	200	U	190	U	190	U	220	U	240	U
2,4-Dinitrotoluene	UG/KG		2105769	82	U	82	U	82	U	86	U	82	U	85	U	78	U	78	U	89	U	97	U
2,6-Dinitrotoluene	UG/KG	1000	1052885	82	U	82	U	82	U	86	U	82	U	85	U	78	U	78	U	89	U	97	U
2-Chloronaphthalene	UG/KG			82	U	82	U	82	U	86	U	82	U	85	U	78	U	78	U	89	U	97	U
2-Chlorophenol	UG/KG	800	5264423	82	U	82	U	82	U	86	U	82	U	85	U	78	U	78	U	89	U	97	U
2-Methylnaphthalene	UG/KG	36400		82	U	82	U	82	U	86	U	82	U	85	U	78	U	78	U	89	U	97	U
2-Methylphenol	UG/KG	100	52644231	82	U	82	U	82	U	86	U	82	U	85	U	78	U	78	U	89	U	97	U
2-Nitroaniline	UG/KG	430	63173	200	U	200	U	200	U	210	U	200	U	200	U	190	U	190	U	220	U	240	U
2-Nitrophenol	UG/KG	330		82	U	82	U	82	U	86	U	82	U	85	U	78	U	78	U	89	U	97	U
3,3 -Dichlorobenzidine	UG/KG		152863	82	U	82	U	82	U	86	U	82	U	85	U	78	U	78	U	89	U	97	U
3-Nitroaniline	UG/KG	500	3156654	200	U	200	U	200	U	210	U	200	U	200	U	190	U	190	U	220	U	240	U
4,6-Dinitro-2-methylphenol	UG/KG			200	U	200	U	200	U	210	U	200	U	200	U	190	U	190	U	220	U	240	U
4-Bromophenyl phenyl ethe	UG/KG		61067308	82	U	82	U	82	U	86	U	82	U	85	U	78	U	78	U	89	U	97	U
4-Chloro-3-methylphenol	UG/KG	240		82	U	82	U	82	U	86	U	82	U	85	U	78	U	78	U	89	U	97	U
4-Chloroaniline	UG/KG	220	4211539	82	U	82	U	82	U	86	U	82	U	85	U	78	U	78	U	89	U	97	U
4-Chlorophenyl phenyl ethe	UG/KG			82	U	82	U	82	U	86	U	82	U	85	U	78	U	78	U	89	U	97	U
4-Methylphenol	UG/KG	900	52644231	82	U	82	U	82	U	86	U	82	U	85	U	78	U	78	U	89	U	97	U
4-Nitroaniline	UG/KG		3156654	200	U	200	U	200	U	210	U	200	U	200	U	190	U	190	U	220	U	240	U
4-Nitrophenol	UG/KG	100	63173077	200	U	200	U	200	U	210	U	200	U	200	U	190	U	190	U	220	U	240	U
Acenaphthene	UG/KG	50000		82	U	82	U	82	U	86	U	82	U	85	U	78	U	78	U	89	U	97	U
Acenaphthylene	UG/KG	41000		82	U	82	U	82	U	86	U	82	U	85	U	78	U	78	U	89	U	97	U
Anthracene	UG/KG	50000	315865385	82	U	82	U	82	U	86	U	82	U	11	J	78	U	78	U	89	U	97	U
Benzo[a]anthracene	UG/KG	224	94231	82	U	82	U	82	U	86	U	12	J	41	J	78	U	78	U	71	J	97	U
Benzo[a]pyrene	UG/KG	61	9423	4 7	J	82	U	82	U	86	U	14	J	40	J	78	U	78	U	8 3	J	97	U
Benzo[b]fluoranthene	UG/KG	1100	94231	5 9	J	82	U	82	U	86	U	22	J	46	J	78	U	78	U	9 8	J	97	U
Benzo[ghi]perylene	UG/KG	50000		5.1	J	82	U	82	U	86	U	14	J	29	J	78	U	78	U	9 9	J	97	U
Benzo[k]fluoranthene	UG/KG	1100	942308	7 2	J	82	U	82	U	86	U	14	J	41	J	78	U	78	U	10	J	97	U
Bis(2-Chloroethoxy)methan	UG/KG			82	U	82	U	82	U	86	U	82	U	85	U	78	U	78	U	89	U	97	U
Bis(2-Chloroethyl)ether	UG/KG		62535	82	U	82	U	82	U	86	U	82	U	85	U	78	U	78	U	89	U	97	U
Bis(2-Chloroisopropyl)ether	UG/KG		982692	82	U	82	U	82	U	86	U	82	U	85	U	78	U	78	U	89	U	97	U
Bis(2-Ethylhexyl)phthalate	UG/KG	50000	4913462	25	J	15	J	82	U	86	U	7	J	4 8	J	78	U	78	U	16	JB	12	JB
Butylbenzylphthalate	UG/KG	50000	210576923	82	U	5 3	JB	82	U	8 2	JB	82	U	5 2	J	78	U	78	U	89	U	97	U
Carbazole	UG/KG		3439423	82	U	82	U	82	U	86	U	82	U	8 3	J	78	U	78	U	89	U	97	U
Chrysene	UG/KG	400	9423077	6 1	J	82	U	82	U	86	U	18	J	48	J	78	U	78	U	11	J	6 3	J
Di-n-butylphthalate	UG/KG	8100		82	U	82	U	82	U	86	U	82	U	85	U	78	U	78	U	89	U	97	U
Di-n-octylphthalate	UG/KG	50000	21057692	82	U	82	U	82	U	86	U	82	U	85	U	78	U	78	U	89	U	97	U
Dibenz[a,h]anthracene	UG/KG	14	9423	82	U	82	U	82	U	86	U	82	U	14	J	78	U	78	U	89	U	97	U
Dibenzofuran	UG/KG	6200	9827	82	U	82	U	82	U	86	U	82	U	85	U	78	U	78	U	89	U	97	U
Diethyl phthalate	UG/KG	7100	842307692	6	JB	8 7	JB	8 3	JB	9 8	JB	10	BJ	8 2	BJ	8.9	J	7.1	J	20	J	7 4	J
Dimethylphthalate	UG/KG	2000	10530000000	82	U	82	U	82	U	86	U	82	U	85	U	78	U	78	U	89	U	97	U
Fluoranthene	UG/KG	50000	42115385	9 3	J	82	U	82	U	7 2	J	26	J	95		78	U	78	U	16	J	8 7	J
Fluorene	UG/KG	50000	42115385	82	U	82	U	82	U	86	U	82	U	5 6	J	78	U	78	U	89	U	97	U
Hexachlorobenzene	UG/KG	410	42993	82	U	82	U	82	U	86	U	82	U	85	U	78	U	78	U	89	U	97	U
Hexachlorobutadiene	UG/KG		210577	82	U	82	U	82	U	86	U	82	U	85	U	78	U	78	U	89	U	97	U
Hexachlorocyclopentadiene	UG/KG		7370192	82	U	82	U	82	U	86	U	82	U	85	U	78	U	78	U	89	U	97	U
Hexachloroethane	UG/KG		1052885	82	U	82	U	82	U	86	U	82	U	85	U	78	U	78	U	89	U	97	U
Indeno[1,2,3-cd]pyrene	UG/KG	3200	94231	4 6	J	82	U	82	U	86	U	13	J	27	J	78	U	78	U	7 4	J	97	U
Isophorone	UG/KG	4400		82	U	82	U	82	U	86	U	82	U	85	U	78	U	78	U	89	U	97	U
N-Nitrosodiphenylamine	UG/KG		14038462	82	U	82	U	82	U	86	U	82	U	85	U	78	U	78	U	89	U	97	U
N-Nitrosodipropylamine	UG/KG		9827	82	U	82	U	82	U	86	U	82	U	85	U	78	U	78	U	89	U	97	U
Naphthalene	UG/KG	13000	42115385	82	U	82	U	82	U	86	U	82	U	85	U	78	U	78	U	89	U	97	U
Nitrobenzene	UG/KG	200	526442	82	U	82	U	82	U	86	U	82	U	85	U	78	U	78	U	89	U	97	U
Pentachlorophenol	UG/KG	1000	573237	200	U	200	U	200	U	210	U	200	U	200	U	190	U	190	U	220	U	240	U
Phenanthrene	UG/KG	50000		5 9	J	82	U	82	U	86	U	11	J	60	J	78	U	78	U	11	J	6 6	J
Phenol	UG/KG	30	631730769	82	U	82	U	82	U	86	U	82	U	85	U	78	U	78	U	89	U	97	U
Pyrene	UG/KG	50000	31586538	8 1	J	82	U	82	U	6 5	J	26	J	86		78	U	78	U	13	J	7 4	J
TPH	MG/KG			18 9		18 7	U	20 4	U	20 8	U	22 4	U	35 8		18.9	U	23 4	U	20 6	U	22 5	U

Table 10-5
120G - Semivolatiles and TPH in Soil vs PRG-REC
Non-Evaluated EBS Sites

SITE				SEAD-120G	SEAD-120G	SEAD-120G	SEAD-120G	SEAD-120G	SEAD-120G	SEAD-120G	SEAD-120G	SEAD-120G	SEAD-120G
DESCRIPTION				MOUNDS AT THE DUCK POND	MOUNDS AT THE DUCK POND	MOUNDS AT THE DUCK POND	MOUNDS AT THE DUCK POND	MOUNDS AT THE DUCK POND	MOUNDS AT THE DUCK POND	MOUNDS AT THE DUCK POND	MOUNDS AT THE DUCK POND	MOUNDS AT THE DUCK POND	MOUNDS AT THE DUCK POND
LOC ID				TP120G-1	TP120G-1	TP120G-2	TP120G-2	TP120G-3	TP120G-3	TP120G-4	TP120G-4	TP120G-5	TP120G-5
SAMP ID				EB112	EB113	EB114	EB115	EB135	EB136	EB118	EB119	EB120	EB121
QC CODE				SA	SA	SA	SA	SA	SA	SA	SA	SA	SA
SAMP DETH TOP				0.5	2	1.5	3	1	2	1.5	3.5	1	2
SAMP DEPTH BOT				0.5	2	1.5	3	1	2	1.5	3.5	1	2
MATRIX				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
SAMP DATE				5-Mar-98	5-Mar-98	6-Mar-98	6-Mar-98	9-Mar-98	9-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	VALUE Q	VALUE Q	VALUE Q
1,2,4-Trichlorobenzene	UG/KG	3400	10528848	82 U	82 U	82 U	86 U	82 U	85 U	78 U	78 U	89 U	97 U
1,2-Dichlorobenzene	UG/KG	7900	94759615	82 U	82 U	82 U	86 U	82 U	85 U	78 U	78 U	89 U	97 U
1,3-Dichlorobenzene	UG/KG	1600	93706731	82 U	82 U	82 U	86 U	82 U	85 U	78 U	78 U	89 U	97 U
1,4-Dichlorobenzene	UG/KG	8500	2866186	82 U	82 U	82 U	86 U	82 U	85 U	78 U	78 U	89 U	97 U
2,4,5-Trichlorophenol	UG/KG	100	105288462	200 U	200 U	200 U	210 U	200 U	200 U	190 U	190 U	220 U	240 U
2,4,6-Trichlorophenol	UG/KG		6253497	82 U	82 U	82 U	86 U	82 U	85 U	78 U	78 U	89 U	97 U
2,4-Dichlorophenol	UG/KG	400	3158654	82 U	82 U	82 U	86 U	82 U	85 U	78 U	78 U	89 U	97 U
2,4-Dimethylphenol	UG/KG		21057692	82 U	82 U	82 U	86 U	82 U	85 U	78 U	78 U	89 U	97 U
2,4-Dinitrophenol	UG/KG	200	2105769	200 U	200 U	200 U	210 U	200 U	200 U	190 U	190 U	220 U	240 U
2,4-Dinitrotoluene	UG/KG		2105769	82 U	82 U	82 U	86 U	82 U	85 U	78 U	78 U	89 U	97 U
2,6-Dinitrotoluene	UG/KG	1000	1052885	82 U	82 U	82 U	86 U	82 U	85 U	78 U	78 U	89 U	97 U
2-Chloronaphthalene	UG/KG			82 U	82 U	82 U	86 U	82 U	85 U	78 U	78 U	89 U	97 U
2-Chlorophenol	UG/KG	800	5264423	82 U	82 U	82 U	86 U	82 U	85 U	78 U	78 U	89 U	97 U
2-Methylnaphthalene	UG/KG	36400		82 U	82 U	82 U	86 U	82 U	85 U	78 U	78 U	89 U	97 U
2-Methylphenol	UG/KG	100	52644231	82 U	82 U	82 U	86 U	82 U	85 U	78 U	78 U	89 U	97 U
2-Nitroaniline	UG/KG	430	63173	200 U	200 U	200 U	210 U	200 U	200 U	190 U	190 U	220 U	240 U
2-Nitrophenol	UG/KG	330		82 U	82 U	82 U	86 U	82 U	85 U	78 U	78 U	89 U	97 U
3,3'-Dichlorobenzidine	UG/KG		152863	82 U	82 U	82 U	86 U	82 U	85 U	78 U	78 U	89 U	97 U
3-Nitroaniline	UG/KG	500	3158654	200 U	200 U	200 U	210 U	200 U	200 U	190 U	190 U	220 U	240 U
4,6-Dinitro-2-methylphenol	UG/KG			200 U	200 U	200 U	210 U	200 U	200 U	190 U	190 U	220 U	240 U
4-Bromophenyl phenyl ether	UG/KG		61067308	82 U	82 U	82 U	86 U	82 U	85 U	78 U	78 U	89 U	97 U
4-Chloro-3-methylphenol	UG/KG	240		82 U	82 U	82 U	86 U	82 U	85 U	78 U	78 U	89 U	97 U
4-Chloroaniline	UG/KG	220	4211539	82 U	82 U	82 U	86 U	82 U	85 U	78 U	78 U	89 U	97 U
4-Chlorophenyl phenyl ether	UG/KG			82 U	82 U	82 U	86 U	82 U	85 U	78 U	78 U	89 U	97 U
4-Methylphenol	UG/KG	900	52644231	82 U	82 U	82 U	86 U	82 U	85 U	78 U	78 U	89 U	97 U
4-Nitroaniline	UG/KG		3158654	200 U	200 U	200 U	210 U	200 U	200 U	190 U	190 U	220 U	240 U
4-Nitrophenol	UG/KG	100	63173077	200 U	200 U	200 U	210 U	200 U	200 U	190 U	190 U	220 U	240 U
Acenaphthene	UG/KG	50000		82 U	82 U	82 U	86 U	82 U	85 U	78 U	78 U	89 U	97 U
Acenaphthylene	UG/KG	41000		82 U	82 U	82 U	86 U	82 U	85 U	78 U	78 U	89 U	97 U
Anthracene	UG/KG	50000	315865385	82 U	82 U	82 U	86 U	82 U	11 J	78 U	78 U	89 U	97 U
Benzo[a]anthracene	UG/KG	224	94231	82 U	82 U	82 U	86 U	12 J	41 J	78 U	78 U	7.1 J	97 U
Benzo[a]pyrene	UG/KG	61	9423	4.7 J	82 U	82 U	86 U	14 J	40 J	78 U	78 U	8.3 J	97 U
Benzo[b]fluoranthene	UG/KG	1100	94231	5.9 J	82 U	82 U	86 U	22 J	46 J	78 U	78 U	9.8 J	97 U
Benzo[ghi]perylene	UG/KG	50000		5.1 J	82 U	82 U	86 U	14 J	29 J	78 U	78 U	9.9 J	97 U
Benzo[k]fluoranthene	UG/KG	1100	942308	7.2 J	82 U	82 U	86 U	14 J	41 J	78 U	78 U	10 J	97 U
Bis(2-Chloroethoxy)methane	UG/KG			82 U	82 U	82 U	86 U	82 U	85 U	78 U	78 U	89 U	97 U
Bis(2-Chloroethyl)ether	UG/KG		62535	82 U	82 U	82 U	86 U	82 U	85 U	78 U	78 U	89 U	97 U
Bis(2-Chloroisopropyl)ether	UG/KG		982692	82 U	82 U	82 U	86 U	82 U	85 U	78 U	78 U	89 U	97 U
Bis(2-Ethylhexyl)phthalate	UG/KG	50000	4913462	25 J	15 J	82 U	86 U	7 J	4.8 J	78 U	78 U	16 JB	12 JB
Butylbenzylphthalate	UG/KG	50000	210576923	82 U	5.3 JB	82 U	8.2 JB	82 U	5.2 J	78 U	78 U	89 U	97 U
Carbazole	UG/KG		3439423	82 U	82 U	82 U	86 U	82 U	8.3 J	78 U	78 U	89 U	97 U
Chrysene	UG/KG	400	9423077	6.1 J	82 U	82 U	86 U	18 J	48 J	78 U	78 U	11 J	6.3 J
Di-n-butylphthalate	UG/KG	8100		82 U	82 U	82 U	86 U	82 U	85 U	78 U	78 U	89 U	97 U
Di-n-octylphthalate	UG/KG	50000	21057692	82 U	82 U	82 U	86 U	82 U	85 U	78 U	78 U	89 U	97 U
Dibenz[a,h]anthracene	UG/KG	14	9423	82 U	82 U	82 U	86 U	82 U	14 J	78 U	78 U	89 U	97 U
Dibenzofuran	UG/KG	6200	9827	82 U	82 U	82 U	86 U	82 U	85 U	78 U	78 U	89 U	97 U
Diethyl phthalate	UG/KG	7100	842307692	6 JB	8.7 JB	8.3 JB	9.8 JB	10 BJ	8.2 BJ	8.9 J	7.1 J	20 J	7.4 J
Dimethylphthalate	UG/KG	2000	10530000000	82 U	82 U	82 U	86 U	82 U	85 U	78 U	78 U	89 U	97 U
Fluoranthene	UG/KG	50000	42115385	9.3 J	82 U	82 U	7.2 J	26 J	95	78 U	78 U	16 J	8.7 J
Fluorene	UG/KG	50000	42115385	82 U	82 U	82 U	86 U	82 U	5.6 J	78 U	78 U	89 U	97 U
Hexachlorobenzene	UG/KG	410	42993	82 U	82 U	82 U	86 U	82 U	85 U	78 U	78 U	89 U	97 U
Hexachlorobutadiene	UG/KG		210577	82 U	82 U	82 U	86 U	82 U	85 U	78 U	78 U	89 U	97 U
Hexachlorocyclopentadiene	UG/KG		7370192	82 U	82 U	82 U	86 U	82 U	85 U	78 U	78 U	89 U	97 U
Hexachloroethane	UG/KG		1052885	82 U	82 U	82 U	86 U	82 U	85 U	78 U	78 U	89 U	97 U
Indeno[1,2,3-cd]pyrene	UG/KG	3200	94231	4.6 J	82 U	82 U	86 U	13 J	27 J	78 U	78 U	7.4 J	97 U
Isophorone	UG/KG	4400		82 U	82 U	82 U	86 U	82 U	85 U	78 U	78 U	89 U	97 U
N-Nitrosodiphenylamine	UG/KG		14038462	82 U	82 U	82 U	86 U	82 U	85 U	78 U	78 U	89 U	97 U
N-Nitrosodipropylamine	UG/KG		9827	82 U	82 U	82 U	86 U	82 U	85 U	78 U	78 U	89 U	97 U
Naphthalene	UG/KG	13000	42115385	82 U	82 U	82 U	86 U	82 U	85 U	78 U	78 U	89 U	97 U
Nitrobenzene	UG/KG	200	526442	82 U	82 U	82 U	86 U	82 U	85 U	78 U	78 U	89 U	97 U
Pentachlorophenol	UG/KG	1000	573237	200 U	200 U	200 U	210 U	200 U	200 U	190 U	190 U	220 U	240 U
Phenanthrene	UG/KG	50000		5.9 J	82 U	62 U	86 U	11 J	60 J	78 U	78 U	11 J	6.6 J
Phenol	UG/KG	30	631730769	82 U	82 U	82 U	86 U	82 U	85 U	78 U	78 U	89 U	97 U
Pyrene	UG/KG	50000	31586538	8.1 J	82 U	82 U	6.5 J	26 J	86	78 U	78 U	13 J	7.4 J
TPH	MG/KG			18.9	18.7 U	20.4 U	20.8 U	22.4 U	35.8	18.9 U	23.4 U	20.6 U	22.5 U

Teble 10-6
120G - Metals in Soil vs TAGMs
Non-Evaluated EBS Sites

SITE:				SEAD-120G	SEAD-120G	SEAD-120G	SEAD-120G	SEAD-120G	SEAD-120G
DESCRIPTION:				MOUNDS AT THE DUCK POND	MOUNDS AT THE DUCK POND	MOUNDS AT THE DUCK POND	MOUNDS AT THE DUCK POND	MOUNDS AT THE DUCK POND	MOUNDS AT THE DUCK POND
LOC ID:				TP120G-1	TP120G-1	TP120G-2	TP120G-2	TP120G-3	TP120G-3
SAMP ID:				EB112	EB113	EB114	EB115	EB135	EB136
QC CODE:				SA	SA	SA	SA	SA	SA
SAMP. DETH TOP:				0.5	2	1.5	3	1	2
SAMP DEPTH BOT:				0.5	2	1.5	3	1	2
MATRIX:				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
SAMP DATE:				5-Mar-98	5-Mar-98	6-Mar-98	6-Mar-98	9-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	19520	1053000	12600	14100	17800	[redacted]	14800	13400
Antimony	MG/KG	6	421	0.86 UN	0.88 BN	1.1 BN	1.4 BN	0.82 UN	1.5 BN
Arsenic	MG/KG	8.9	46	3.9	3.6	4.4	5.2	5.1	4
Barium	MG/KG	300	73702	82.6	79.1	111	149	155	97
Beryllium	MG/KG	1.13	16	0.4 B	0.41 B	0.07 B	0.54 B	0.02 U	0.63 B
Cadmium	MG/KG	2.46	526	0.07 U*	0.05 U*	0.07 U*	0.08 U*	0.07 U	0.08 U
Calcium	MG/KG	125300		10400	4010	1710	3290	11100 *	8840 *
Chromium	MG/KG	30	1052885	15.1 *	15.5 *	20.2 *	24.2 *	19.7	19.7
Cobalt	MG/KG	30	63173	8.6 B	8.2 B	12.8	10.6 B	13.7	11.2 B
Copper	MG/KG	33	42115	18.3 *	13.5 *	14 *	19 *	23.1 N*	26.3 N*
Cyanide	MG/KG	0.35		0.66 U	0.64 U	0.66 U	0.71 U	0.64 U	0.67 U
Iron	MG/KG	37410	315865	17800	16800	24600	31800	23100	21900
Lead	MG/KG	24.4		17.5	12.1	15.4	18.3	[redacted]	[redacted]
Magnesium	MG/KG	21700		5260 *	3100 *	3530 *	3390 *	4540	4310
Manganese	MG/KG	1100	24216	508	420	[redacted]	[redacted]	[redacted]	379
Mercury	MG/KG	0.1	316	0.06 U	0.06 U	0.06 U	0.06 U	0.08 B	0.06 B
Nickel	MG/KG	50	21058	18.4 E*	16.2 E*	19.5 E*	19.8 E*	26.4	29.6
Potassium	MG/KG	2623		1410	1150	1620	2070	2120	1920
Selenium	MG/KG	2	5264	1.2 UN	0.8 UN	1.2 UN	1.2 UN	1.1 U	1.2 U
Silver	MG/KG	0.8	5264	0.52 U	0.36 U	0.51 U	0.55 U	0.49 U	0.53 U
Sodium	MG/KG	188		149 U	104 U	149 U	158 U	143 U	152 U
Thallium	MG/KG	0.855	84	[redacted] B	1.1 U	[redacted] B	[redacted]	[redacted] UN	[redacted] UN
Vanadium	MG/KG	150	7370	21.5 E	23.3 E	29.9 E	37.5 E	26.8	21.8
Zinc	MG/KG	115	315865	57	51.5	66.5	102	100 N	103 N

Table 10-6
120G - Metals in Soil vs TAGMs
Non-Evaluated EBS Sites

SITE:				SEAD-120G		SEAD-120G		SEAD-120G		SEAD-120G	
DESCRIPTION:				MOUNDS AT THE DUCK POND		MOUNDS AT THE DUCK POND		MOUNDS AT THE DUCK POND		MOUNDS AT THE DUCK POND	
LOC ID:				TP120G-4		TP120G-4		TP120G-5		TP120G-5	
SAMP ID:				EB118		EB119		EB120		EB121	
QC CODE:				SA		SA		SA		SA	
SAMP. DETH TOP:				1.5		3.5		1		2	
SAMP. DEPTH BOT:				1.5		3.5		1		2	
MATRIX:				SOIL		SOIL		SOIL		SOIL	
SAMP. DATE:				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
Aluminum	MG/KG	19520	1053000	17000		15000		16900		16400	
Antimony	MG/KG	6	421	0.85	BN	0.8	UN	1.4	BN	1	UN
Arsenic	MG/KG	8.9	46	4.5		5		[redacted]		2.8	B
Barium	MG/KG	300	73702	84.4		81.4		115		145	
Beryllium	MG/KG	1.13	16	0.7	B	0.58	B	0.57	B	0.67	B
Cadmium	MG/KG	2.46	526	0.05	U*	0.07	U*	0.08	U*	0.09	U*
Calcium	MG/KG	125300		12300		23700		6070		7100	
Chromium	MG/KG	30	1052885	26.8	*	22.2	*	22	*	21.4	*
Cobalt	MG/KG	30	63173	13.9		11.3	B	11.5	B	8.5	B
Copper	MG/KG	33	42115	27.3	*	25	*	26.2	*	24.7	*
Cyanide	MG/KG	0.35		0.59	U	0.62	U	0.71	U	0.75	U
Iron	MG/KG	37410	315865	33200		27500		29300		23000	
Lead	MG/KG	24.4		16.3		13.3		[redacted]		19.5	
Magnesium	MG/KG	21700		6810	*	7740	*	4120	*	3980	*
Manganese	MG/KG	1100	24216	513		520		489		402	
Mercury	MG/KG	0.1	316	0.06	U	0.06	U	0.07	U	0.06	U
Nickel	MG/KG	50	21058	43.8	E*	32.3	E*	27.8	E*	24.5	E*
Potassium	MG/KG	2623		1570		1480		2090		1800	
Selenium	MG/KG	2	5264	0.8	UN	1.1	UN	1.2	UN	1.4	UN
Silver	MG/KG	0.8	5264	0.36	U	0.48	U	0.56	U	0.61	U
Sodium	MG/KG	188		104	U	138	U	161	U	175	U
Thallium	MG/KG	0.855	84	[redacted]	B	1.4	U	1.7	U	1.8	U
Vanadium	MG/KG	150	7370	25.1	E	23.6	E	27.2	E	24.6	E
Zinc	MG/KG	115	315865	96.5		71.5		95.7		101	

Table 10-7
120G - Metals in Soil vs PRG-REC
Non-Evaluated EBS Sites

SITE				SEAD-120G	SEAD-120G	SEAD-120G	SEAD-120G	SEAD-120G	SEAD-120G
DESCRIPTION				MOUNDS AT THE DUCK POND	MOUNDS AT THE DUCK POND	MOUNDS AT THE DUCK POND	MOUNDS AT THE DUCK POND	MOUNDS AT THE DUCK POND	MOUNDS AT THE DUCK POND
LOC ID:				TP120G-1	TP120G-1	TP120G-2	TP120G-2	TP120G-3	TP120G-3
SAMP ID:				EB112	EB113	EB114	EB115	EB135	EB136
QC CODE				SA	SA	SA	SA	SA	SA
SAMP DETH TOP:				0 5	2	1.5	3	1	2
SAMP DEPTH BOT.				0.5	2	1.5	3	1	2
MATRIX				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
SAMP DATE				5-Mar-98	5-Mar-98	6-Mar-98	6-Mar-98	9-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	12600	14100	17800	20200	14800	13400
Antimony	MG/KG	3.59	421	0.86 UN	0.88 BN	1.1 BN	1.4 BN	0.82 UN	1.5 BN
Arsenic	MG/KG	7 5	46	3 9	3 6	4 4	5.2	5.1	4
Barium	MG/KG	300	73702	82 6	79 1	111	149	155	97
Beryllium	MG/KG	0.73	16	0 4 B	0.41 B	0.07 B	0.54 B	0.02 U	0.63 B
Cadmium	MG/KG	1	526	0 07 U*	0.05 U*	0.07 U*	0.08 U*	0.07 U	0.08 U
Calcium	MG/KG	101903.8		10400	4010	1710	3290	11100 *	8840 *
Chromium	MG/KG	22.13	1052885	15 1 *	15.5 *	20.2 *	24.2 *	19.7	19.7
Cobalt	MG/KG	30	63173	8 6 B	8.2 B	12.8	10.6 B	13.7	11.2 B
Copper	MG/KG	25	42115	18 3 *	13.5 *	14 *	19 *	23.1 N*	26.3 N*
Cyanide	MG/KG	0.3		0.66 U	0.64 U	0.66 U	0.71 U	0.64 U	0.67 U
Iron	MG/KG	26626.65	315865	17800	16800	24600	31800	23100	21900
Lead	MG/KG	21 86		17.5	12.1	15.4	18.3	38	36.9
Magnesium	MG/KG	12221 77		5260 *	3100 *	3530 *	3390 *	4540	4310
Manganese	MG/KG	669.38	24216	508	420	1920	1570	2070	379
Mercury	MG/KG	0.1	316	0 06 U	0.06 U	0.06 U	0 06 U	0.08 B	0.06 B
Nickel	MG/KG	33.62	21058	18.4 E*	16 2 E*	19.5 E*	19.8 E*	26.4	29.6
Potassium	MG/KG	1761.48		1410	1150	1620	2070	2120	1920
Selenium	MG/KG	2	5264	1 2 UN	0.8 UN	1.2 UN	1.2 UN	1.1 U	1.2 U
Silver	MG/KG	0 4	5264	0.52 U	0.36 U	0.51 U	0.55 U	0.49 U	0.53 U
Sodium	MG/KG	103.74		149 U	104 U	149 U	158 U	143 U	152 U
Thallium	MG/KG	0 28	84	1 7 B	1 1 U	1 6 B	2 8	1.5 UN	1.6 UN
Vanadium	MG/KG	150	7370	21 5 E	23 3 E	29.9 E	37 5 E	26.8	21.8
Zinc	MG/KG	82.5	315865	57	51.5	66.5	102	100 N	103 N

Table 10-7
120G - Metals in Soil vs PRG-REC
Non-Evaluated EBS Sites

SITE				SEAD-120G	SEAD-120G	SEAD-120G	SEAD-120G
DESCRIPTION				MOUNDS AT THE DUCK POND	MOUNDS AT THE DUCK POND	MOUNDS AT THE DUCK POND	MOUNDS AT THE DUCK POND
LOC ID				TP120G-4	TP120G-4	TP120G-5	TP120G-5
SAMP ID				EB118	EB119	EB120	EB121
QC CODE				SA	SA	SA	SA
SAMP DETH TOP				1.5	3.5	1	2
SAMP DEPTH BOT.				1.5	3.5	1	2
MATRIX				SOIL	SOIL	SOIL	SOIL
SAMP DATE				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
Aluminum	MG/KG	14592.84	1053000	17000	15000	16900	16400
Antimony	MG/KG	3.59	421	0.85 BN	0.8 UN	1.4 BN	1 UN
Arsenic	MG/KG	7.5	46	4.5	5	10.3	2.8 B
Barium	MG/KG	300	73702	84.4	81.4	115	145
Beryllium	MG/KG	0.73	16	0.7 B	0.58 B	0.57 B	0.67 B
Cadmium	MG/KG	1	526	0.05 U*	0.07 U*	0.08 U*	0.09 U*
Calcium	MG/KG	101903.8		12300	23700	6070	7100
Chromium	MG/KG	22.13	1052885	26.8 *	22.2 *	22 *	21.4 *
Cobalt	MG/KG	30	63173	13.9	11.3 B	11.5 B	8.5 B
Copper	MG/KG	25	42115	27.3 *	25 *	26.2 *	24.7 *
Cyanide	MG/KG	0.3		0.59 U	0.62 U	0.71 U	0.75 U
Iron	MG/KG	26626.65	315865	33200	27500	29300	23000
Lead	MG/KG	21.86		16.3	13.3	25.6	19.5
Magnesium	MG/KG	12221.77		6810 *	7740 *	4120 *	3980 *
Manganese	MG/KG	669.38	24216	513	520	489	402
Mercury	MG/KG	0.1	316	0.06 U	0.06 U	0.07 U	0.06 U
Nickel	MG/KG	33.62	21058	43.8 E*	32.3 E*	27.8 E*	24.5 E*
Potassium	MG/KG	1761.48		1570	1480	2090	1800
Selenium	MG/KG	2	5264	0.8 UN	1.1 UN	1.2 UN	1.4 UN
Silver	MG/KG	0.4	5264	0.36 U	0.48 U	0.56 U	0.61 U
Sodium	MG/KG	103.74		104 U	138 U	161 U	175 U
Thallium	MG/KG	0.28	84	1.1 B	1.4 U	1.7 U	1.8 U
Vanadium	MG/KG	150	7370	25.1 E	23.6 E	27.2 E	24.6 E
Zinc	MG/KG	82.5	315865	96.5	71.5	95.7	101

Table 10-8
120G - Pesticides/PCBs in Soil vs TAGMS
Non-Evaluated EBS Sites

SITE				SEAD-120G	SEAD-120G	SEAD-120G	SEAD-120G	SEAD-120G	SEAD-120G
DESCRIPTION:				MOUNDS AT THE DUCK POND	MOUNDS AT THE DUCK POND	MOUNDS AT THE DUCK POND	MOUNDS AT THE DUCK POND	MOUNDS AT THE DUCK POND	MOUNDS AT THE DUCK POND
LOC ID				TP120G-1	TP120G-1	TP120G-2	TP120G-2	TP120G-3	TP120G-3
SAMP ID:				EB112	EB113	EB114	EB115	EB135	EB136
QC CODE				SA	SA	SA	SA	SA	SA
SAMP DETH TOP				0.5	2	1.5	3	1	2
SAMP DEPTH BOT				0.5	2	1.5	3	1	2
MATRIX:				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
SAMP DATE:				5-Mar-98	5-Mar-98	6-Mar-98	6-Mar-98	9-Mar-98	9-Mar-98
PARAMETER	UNIT	TAGM	PRG-REC	VALUE Q	VALUE Q	VALUE Q	VALUE Q	VALUE Q	VALUE Q
4,4'-DDD	UG/KG	2900	286619	4.2 U	4.2 U	4.2 U	4.4 U	4.1 U	4.2 U
4,4'-DDE	UG/KG	2100	202319	4.2 U	4.2 U	4.2 U	4.4 U	4.1 U	4.2 U
4,4'-DDT	UG/KG	2100	202319	4.2 U	4.2 U	4.2 U	4.4 U	4.1 U	4.2 U
Aldrin	UG/KG	41	4046	2.1 U	2.1 U	2.1 U	2.2 U	2.1 U	2.2 U
Alpha-BHC	UG/KG	110		2.1 U	2.1 U	2.1 U	2.2 U	2.1 U	2.2 U
Alpha-Chlordane	UG/KG			2.1 U	2.1 U	2.1 U	2.2 U	2.1 U	2.2 U
Aroclor-1016	UG/KG		73702	42 U	42 U	42 U	44 U	41 U	42 U
Aroclor-1221	UG/KG			83 U	83 U	83 U	88 U	84 U	86 U
Aroclor-1232	UG/KG			42 U	42 U	42 U	44 U	41 U	42 U
Aroclor-1242	UG/KG			42 U	42 U	42 U	44 U	41 U	42 U
Aroclor-1248	UG/KG			42 U	42 U	42 U	44 U	41 U	42 U
Aroclor-1254	UG/KG	10000	21058	42 U	42 U	42 U	44 U	41 U	42 U
Aroclor-1260	UG/KG	10000		42 U	42 U	42 U	44 U	41 U	42 U
Beta-BHC	UG/KG	200		2.1 U	2.1 U	2.1 U	2.2 U	2.1 U	2.2 U
Delta-BHC	UG/KG	300		2.1 U	2.1 U	2.1 U	2.2 U	2.1 U	2.2 U
Dieldrin	UG/KG	44	4299	4.2 U	4.2 U	4.2 U	4.4 U	4.1 U	4.2 U
Endosulfan I	UG/KG	900	6317308	2.1 U	2.1 U	2.1 U	2.2 U	2.1 U	2.2 U
Endosulfan II	UG/KG	900	6317308	4.2 U	4.2 U	4.2 U	4.4 U	4.1 U	4.2 U
Endosulfan sulfate	UG/KG	1000		4.2 U	4.2 U	4.2 U	4.4 U	4.1 U	4.2 U
Endrin	UG/KG	100	315865	4.2 U	4.2 U	4.2 U	4.4 U	4.1 U	4.2 U
Endrin aldehyde	UG/KG		315865	4.2 U	4.2 U	4.2 U	4.4 U	4.1 U	4.2 U
Endrin ketone	UG/KG		315865	4.2 U	4.2 U	4.2 U	4.4 U	4.1 U	4.2 U
Gamma-BHC/Lindane	UG/KG	60	52914	2.1 U	2.1 U	2.1 U	2.2 U	2.1 U	2.2 U
Gamma-Chlordane	UG/KG	540		2.1 U	2.1 U	2.1 U	2.2 U	2.1 U	2.2 U
Heptachlor	UG/KG	100	15286	2.1 U	2.1 U	2.1 U	2.2 U	2.1 U	2.2 U
Heptachlor epoxide	UG/KG	20	7559	2.1 U	2.1 U	2.1 U	2.2 U	2.1 U	2.2 U
Methoxychlor	UG/KG		5264423	21 U	21 U	21 U	22 U	21 U	22 U
Toxaphene	UG/KG			210 U	210 U	210 U	220 U	210 U	220 U

Table 10-8
120G - Pesticides/PCBs in Soil vs TAGMS
Non-Evaluated EBS Sites

SITE				SEAD-120G	SEAD-120G	SEAD-120G	SEAD-120G
DESCRIPTION				MOUNDS AT THE DUCK POND	MOUNDS AT THE DUCK POND	MOUNDS AT THE DUCK POND	MOUNDS AT THE DUCK POND
LOC ID				TP120G-4	TP120G-4	TP120G-5	TP120G-5
SAMP ID				EB118	EB119	EB120	EB121
QC CODE				SA	SA	SA	SA
SAMP DETH TOP				1.5	3.5	1	2
SAMP DEPTH BOT				1.5	3.5	1	2
MATRIX				SOIL	SOIL	SOIL	SOIL
SAMP DATE				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
4,4`-DDD	UG/KG	2900	286619	3.9 U	4 U	4.5 U	4.9 U
4,4`-DDE	UG/KG	2100	202319	3.9 U	4 U	4.5 U	4.9 U
4,4`-DDT	UG/KG	2100	202319	3.9 U	4 U	4.5 U	4.9 U
Aldrin	UG/KG	41	4046	2 U	2 U	2.2 U	2.4 U
Alpha-BHC	UG/KG	110		2 U	2 U	2.2 U	2.4 U
Alpha-Chlordane	UG/KG			2 U	2 U	2.2 U	2.4 U
Aroclor-1016	UG/KG		73702	39 U	40 U	45 U	49 U
Aroclor-1221	UG/KG			78 U	79 U	90 U	98 U
Aroclor-1232	UG/KG			39 U	40 U	45 U	49 U
Aroclor-1242	UG/KG			39 U	40 U	45 U	49 U
Aroclor-1248	UG/KG			39 U	40 U	45 U	49 U
Aroclor-1254	UG/KG	10000	21058	39 U	40 U	45 U	49 U
Aroclor-1260	UG/KG	10000		39 U	40 U	45 U	49 U
Beta-BHC	UG/KG	200		2 U	2 U	2.2 U	2.4 U
Delta-BHC	UG/KG	300		2 U	2 U	2.2 U	2.4 U
Dieldrin	UG/KG	44	4299	3.9 U	4 U	4.5 U	4.9 U
Endosulfan I	UG/KG	900	6317308	2 U	2 U	2.2 U	2.4 U
Endosulfan II	UG/KG	900	6317308	3.9 U	4 U	4.5 U	4.9 U
Endosulfan sulfate	UG/KG	1000		3.9 U	4 U	4.5 U	4.9 U
Endrin	UG/KG	100	315865	3.9 U	4 U	4.5 U	4.9 U
Endrin aldehyde	UG/KG		315865	3.9 U	4 U	4.5 U	4.9 U
Endrin ketone	UG/KG		315865	3.9 U	4 U	4.5 U	4.9 U
Gamma-BHC/Lindane	UG/KG	60	52914	2 U	2 U	2.2 U	2.4 U
Gamma-Chlordane	UG/KG	540		2 U	2 U	2.2 U	2.4 U
Heptachlor	UG/KG	100	15286	2 U	2 U	2.2 U	2.4 U
Heptachlor epoxide	UG/KG	20	7559	2 U	2 U	2.2 U	2.4 U
Methoxychlor	UG/KG		5264423	20 U	20 U	22 U	24 U
Toxaphene	UG/KG			200 U	200 U	220 U	240 U

Table 10-9
120G - Pesticides/PCBs in Soil vs PRG-REC
Non-Evaluated EBS Sites

SITE:				SEAD-120G	SEAD-120G	SEAD-120G	SEAD-120G	SEAD-120G	SEAD-120G
DESCRIPTION				MOUNDS AT THE DUCK POND	MOUNDS AT THE DUCK POND	MOUNDS AT THE DUCK POND	MOUNDS AT THE DUCK POND	MOUNDS AT THE DUCK POND	MOUNDS AT THE DUCK POND
LOC ID.				TP120G-1	TP120G-1	TP120G-2	TP120G-2	TP120G-3	TP120G-3
SAMP ID:				EB112	EB113	EB114	EB115	EB135	EB136
QC CODE				SA	SA	SA	SA	SA	SA
SAMP. DETH TOP:				0.5	2	1.5	3	1	2
SAMP. DEPTH BOT.				0.5	2	1.5	3	1	2
MATRIX:				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
SAMP. DATE:				5-Mar-98	5-Mar-98	6-Mar-98	6-Mar-98	9-Mar-98	9-Mar-98
PARAMETER	UNIT	TAGM	PRG-REC	VALUE Q	VALUE Q	VALUE Q	VALUE Q	VALUE Q	VALUE Q
4,4`-DDD	UG/KG	2900	286619	4.2 U	4.2 U	4.2 U	4.4 U	4.1 U	4.2 U
4,4`-DDE	UG/KG	2100	202319	4.2 U	4.2 U	4.2 U	4.4 U	4.1 U	4.2 U
4,4`-DDT	UG/KG	2100	202319	4.2 U	4.2 U	4.2 U	4.4 U	4.1 U	4.2 U
Aldrin	UG/KG	41	4046	2.1 U	2.1 U	2.1 U	2.2 U	2.1 U	2.2 U
Alpha-BHC	UG/KG	110		2.1 U	2.1 U	2.1 U	2.2 U	2.1 U	2.2 U
Alpha-Chlordane	UG/KG			2.1 U	2.1 U	2.1 U	2.2 U	2.1 U	2.2 U
Aroclor-1016	UG/KG		73702	42 U	42 U	42 U	44 U	41 U	42 U
Aroclor-1221	UG/KG			83 U	83 U	83 U	88 U	84 U	86 U
Aroclor-1232	UG/KG			42 U	42 U	42 U	44 U	41 U	42 U
Aroclor-1242	UG/KG			42 U	42 U	42 U	44 U	41 U	42 U
Aroclor-1248	UG/KG			42 U	42 U	42 U	44 U	41 U	42 U
Aroclor-1254	UG/KG	10000	21058	42 U	42 U	42 U	44 U	41 U	42 U
Aroclor-1260	UG/KG	10000		42 U	42 U	42 U	44 U	41 U	42 U
Beta-BHC	UG/KG	200		2.1 U	2.1 U	2.1 U	2.2 U	2.1 U	2.2 U
Delta-BHC	UG/KG	300		2.1 U	2.1 U	2.1 U	2.2 U	2.1 U	2.2 U
Dieldrin	UG/KG	44	4299	4.2 U	4.2 U	4.2 U	4.4 U	4.1 U	4.2 U
Endosulfan I	UG/KG	900	6317308	2.1 U	2.1 U	2.1 U	2.2 U	2.1 U	2.2 U
Endosulfan II	UG/KG	900	6317308	4.2 U	4.2 U	4.2 U	4.4 U	4.1 U	4.2 U
Endosulfan sulfate	UG/KG	1000		4.2 U	4.2 U	4.2 U	4.4 U	4.1 U	4.2 U
Endrin	UG/KG	100	315865	4.2 U	4.2 U	4.2 U	4.4 U	4.1 U	4.2 U
Endrin aldehyde	UG/KG		315865	4.2 U	4.2 U	4.2 U	4.4 U	4.1 U	4.2 U
Endrin ketone	UG/KG		315865	4.2 U	4.2 U	4.2 U	4.4 U	4.1 U	4.2 U
Gamma-BHC/Lindane	UG/KG	60	52914	2.1 U	2.1 U	2.1 U	2.2 U	2.1 U	2.2 U
Gamma-Chlordane	UG/KG	540		2.1 U	2.1 U	2.1 U	2.2 U	2.1 U	2.2 U
Heptachlor	UG/KG	100	15286	2.1 U	2.1 U	2.1 U	2.2 U	2.1 U	2.2 U
Heptachlor epoxide	UG/KG	20	7559	2.1 U	2.1 U	2.1 U	2.2 U	2.1 U	2.2 U
Methoxychlor	UG/KG		5264423	21 U	21 U	21 U	22 U	21 U	22 U
Toxaphene	UG/KG			210 U	210 U	210 U	220 U	210 U	220 U

Table 10-9
120G - Pesticides/PCBs in Soil vs PRG-REC
Non-Evaluated EBS Sites

SITE.				SEAD-120G MOUNDS AT THE DUCK POND		SEAD-120G MOUNDS AT THE DUCK POND		SEAD-120G MOUNDS AT THE DUCK POND	
DESCRIPTION									
LOC ID:				TP120G-4		TP120G-4		TP120G-5	
SAMP ID:				EB118		EB119		EB120	
QC CODE				SA		SA		SA	
SAMP. DETH TOP:				1.5		3.5		1	
SAMP. DEPTH BOT:				1.5		3.5		1	
MATRIX				SOIL		SOIL		SOIL	
SAMP. DATE				6-Mar-98		6-Mar-98		6-Mar-98	
PARAMETER	UNIT	TAGM	PRG-REC	VALUE	Q	VALUE	Q	VALUE	Q
4,4'-DDD	UG/KG	2900	286619	3.9	U	4	U	4.5	U
4,4'-DDE	UG/KG	2100	202319	3.9	U	4	U	4.5	U
4,4'-DDT	UG/KG	2100	202319	3.9	U	4	U	4.5	U
Aldrin	UG/KG	41	4046	2	U	2	U	2.2	U
Alpha-BHC	UG/KG	110		2	U	2	U	2.2	U
Alpha-Chlordane	UG/KG			2	U	2	U	2.2	U
Aroclor-1016	UG/KG		73702	39	U	40	U	45	U
Aroclor-1221	UG/KG			78	U	79	U	90	U
Aroclor-1232	UG/KG			39	U	40	U	45	U
Aroclor-1242	UG/KG			39	U	40	U	45	U
Aroclor-1248	UG/KG			39	U	40	U	45	U
Aroclor-1254	UG/KG	10000	21058	39	U	40	U	45	U
Aroclor-1260	UG/KG	10000		39	U	40	U	45	U
Beta-BHC	UG/KG	200		2	U	2	U	2.2	U
Delta-BHC	UG/KG	300		2	U	2	U	2.2	U
Dieldrin	UG/KG	44	4299	3.9	U	4	U	4.5	U
Endosulfan I	UG/KG	900	6317308	2	U	2	U	2.2	U
Endosulfan II	UG/KG	900	6317308	3.9	U	4	U	4.5	U
Endosulfan sulfate	UG/KG	1000		3.9	U	4	U	4.5	U
Endrin	UG/KG	100	315865	3.9	U	4	U	4.5	U
Endrin aldehyde	UG/KG		315865	3.9	U	4	U	4.5	U
Endrin ketone	UG/KG		315865	3.9	U	4	U	4.5	U
Gamma-BHC/Lindane	UG/KG	60	52914	2	U	2	U	2.2	U
Gamma-Chlordane	UG/KG	540		2	U	2	U	2.2	U
Heptachlor	UG/KG	100	15286	2	U	2	U	2.2	U
Heptachlor epoxide	UG/KG	20	7559	2	U	2	U	2.2	U
Methoxychlor	UG/KG		5264423	20	U	20	U	22	U
Toxaphene	UG/KG			200	U	200	U	220	U

SITE.				SEAD-120G MOUNDS AT THE DUCK POND	
DESCRIPTION					
LOC ID:				TP120G-5	
SAMP ID:				EB121	
QC CODE				SA	
SAMP. DETH TOP:				2	
SAMP. DEPTH BOT:				2	
MATRIX				SOIL	
SAMP. DATE				6-Mar-98	
PARAMETER	UNIT	TAGM	PRG-REC	VALUE	Q
4,4'-DDD	UG/KG	2900	286619	4.9	U
4,4'-DDE	UG/KG	2100	202319	4.9	U
4,4'-DDT	UG/KG	2100	202319	4.9	U
Aldrin	UG/KG	41	4046	2.4	U
Alpha-BHC	UG/KG	110		2.4	U
Alpha-Chlordane	UG/KG			2.4	U
Aroclor-1016	UG/KG		73702	49	U
Aroclor-1221	UG/KG			98	U
Aroclor-1232	UG/KG			49	U
Aroclor-1242	UG/KG			49	U
Aroclor-1248	UG/KG			49	U
Aroclor-1254	UG/KG	10000	21058	49	U
Aroclor-1260	UG/KG	10000		49	U
Beta-BHC	UG/KG	200		2.4	U
Delta-BHC	UG/KG	300		2.4	U
Dieldrin	UG/KG	44	4299	4.9	U
Endosulfan I	UG/KG	900	6317308	2.4	U
Endosulfan II	UG/KG	900	6317308	4.9	U
Endosulfan sulfate	UG/KG	1000		4.9	U
Endrin	UG/KG	100	315865	4.9	U
Endrin aldehyde	UG/KG		315865	4.9	U
Endrin ketone	UG/KG		315865	4.9	U
Gamma-BHC/Lindane	UG/KG	60	52914	2.4	U
Gamma-Chlordane	UG/KG	540		2.4	U
Heptachlor	UG/KG	100	15286	2.4	U
Heptachlor epoxide	UG/KG	20	7559	2.4	U
Methoxychlor	UG/KG		5264423	24	U
Toxaphene	UG/KG			240	U

SEAD-120J

Farmer's Dump

Table 13-1

Sample Collection Information
SEAD-120J - Farmer's Dump

12 Moderate 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	SS120J-1	EB269	3/18/98	0.0	0.2	SA	Location is at base of a slope that is downgradient of a debris pile; debris includes rotting wood, metal siding/stove pipes, pig hides/fur/bones; also, the remains of two unlabelled drums and a container labelled (4-DAMINE No. 4) herbicide.
SURFACE SOIL	SS120J-1	EB029	3/18/98	0.0	0.2	DU	Location is at base of a slope that is downgradient of a debris pile; debris includes rotting wood, metal siding/stove pipes, pig hides/fur/bones; also, the remains of two unlabelled drums and a container labelled (4-DAMINE No. 4) herbicide.
SURFACE SOIL	SS120J-2	EB270	3/18/98	0.0	0.2	SA	Location is at the bottom of the main drainage wash into a low area; the area contained cans, glass bottles, plastic bottles, and other household debris.
SURFACE SOIL	SS120J-3	EB271	3/18/98	0.0	0.2	SA	Location is approx. 1 foot downslope of the contained labelled 4-DAMINE No. 4 mentioned above.
SURFACE SOIL	SS120J-4	EB272	3/18/98	0.0	0.2	SA	Location is just below (downgradient) an unlabelled drum, which had no bottom or top.

Notes:
SA = Sample
DU = Duplicate

Table13-2
120J - Volatiles in Soil vs TAGM
Non-Evaluated EBS Sites

SITE:				SEAD-120J	SEAD-120J	SEAD-120J	SEAD-120J	SEAD-120J	
DESCRIPTION:				Farmer's Dump	Farmer's Dump	Farmer's Dump	Farmer's Dump	Farmer's Dump	
LOC ID:				SS120J-1	SS120J-1	SS120J-2	SS120J-3	SS120J-4	
SAMP_ID:				EB269	EB029	EB270	EB271	EB272	
QC CODE:				SA	DU	SA	SA	SA	
SAMP. DEPTH 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:				18-Mar-98	18-Mar-98	18-Mar-98	18-Mar-98	18-Mar-98	
PARAMETER	UNIT	TAGM	PRG-REC	VALUE Q	VALUE Q	VALUE Q	VALUE Q	VALUE Q	
1,1,1-Trichloroethane	UG/KG	800	36850962	16 U	16 U	14 U	13 U	16 U	
1,1,2,2-Tetrachloroethane	UG/KG	600	3439423	16 U	16 U	14 U	13 U	16 U	
1,1,2-Trichloroethane	UG/KG		1206815	16 U	16 U	14 U	13 U	16 U	
1,1-Dichloroethane	UG/KG	200	105288462	16 U	16 U	14 U	13 U	16 U	
1,1-Dichloroethene	UG/KG	400	114647	16 U	16 U	14 U	13 U	16 U	
1,2-Dichloroethane	UG/KG	100	755917	16 U	16 U	14 U	13 U	16 U	
1,2-Dichloroethene (total)	UG/KG			16 U	16 U	14 U	13 U	16 U	
1,2-Dichloropropane	UG/KG		1011595	16 U	16 U	14 U	13 U	16 U	
Acetone	UG/KG	200	105288462	16 U	20 B	14 U	13 U	16 U	
Benzene	UG/KG	60	2372016	16 U	16 U	14 U	13 U	16 U	
Bromodichloromethane	UG/KG		1109491	16 U	16 U	14 U	13 U	16 U	
Bromoform	UG/KG		8707400	16 U	16 U	14 U	13 U	16 U	
Carbon disulfide	UG/KG	2700	105288462	16 U	16 U	14 U	13 U	16 U	
Carbon tetrachloride	UG/KG	600	529142	16 U	16 U	14 U	13 U	16 U	
Chlorobenzene	UG/KG	1700	21057692	16 U	16 U	14 U	13 U	16 U	
Chlorodibromomethane	UG/KG		818910	16 U	16 U	14 U	13 U	16 U	
Chloroethane	UG/KG	1900	421153846	16 U	16 U	14 U	13 U	16 U	
Chloroform	UG/KG	300	10528846	16 U	16 U	14 U	13 U	16 U	
Cis-1,3-Dichloropropene	UG/KG			16 U	16 U	14 U	13 U	16 U	
Ethyl benzene	UG/KG	5500	105288462	16 U	16 U	14 U	13 U	16 U	
Methyl bromide	UG/KG		1505625	16 U	16 U	14 U	13 U	16 U	
Methyl butyl ketone	UG/KG			16 U	16 U	14 U	13 U	16 U	
Methyl chloride	UG/KG		5291420	16 U	16 U	14 U	13 U	16 U	
Methyl ethyl ketone	UG/KG	300		16 U	16 U	14 U	13 U	16 U	
Methyl isobutyl ketone	UG/KG	1000	84230769	16 U	16 U	14 U	13 U	16 U	
Methylene chloride	UG/KG	100	9171795	16 U	16 U	14 U	13 U	16 U	
Styrene	UG/KG			16 U	16 U	14 U	13 U	16 U	
Tetrachloroethene	UG/KG	1400	1322855	16 U	16 U	14 U	13 U	16 U	
Toluene	UG/KG	1500	210576923	5 J	16 U	13 J	12 J	7 J	
Total Xylenes	UG/KG	1200	2105769231	16 U	16 U	14 U	13 U	16 U	
Trans-1,3-Dichloropropene	UG/KG			16 U	16 U	14 U	13 U	16 U	
Trichloroethene	UG/KG	700	6253497	16 U	16 U	14 U	13 U	16 U	
Vinyl chloride	UG/KG	200	36204	16 U	16 U	14 U	13 U	16 U	

Table 13-3
120J - Volatiles in Soil vs PRG-REC
Non-Evaluated EBS Sites

SITE:				SEAD-120J	SEAD-120J	SEAD-120J	SEAD-120J	SEAD-120J
DESCRIPTION:				Farmer's Dump	Farmer's Dump	Farmer's Dump	Farmer's Dump	Farmer's Dump
LOC ID:				SS120J-1	SS120J-1	SS120J-2	SS120J-3	SS120J-4
SAMP_ID:				EB269	EB029	EB270	EB271	EB272
QC CODE:				SA	DU	SA	SA	SA
SAMP. DEPTH 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:				18-Mar-98	18-Mar-98	18-Mar-98	18-Mar-98	18-Mar-98
PARAMETER	UNIT	TAGM	PRG-REC	VALUE Q	VALUE Q	VALUE Q	VALUE Q	VALUE Q
1,1,1-Trichloroethane	UG/KG	800	36850962	16 U	16 U	14 U	13 U	16 U
1,1,2,2-Tetrachloroethane	UG/KG	600	3439423	16 U	16 U	14 U	13 U	16 U
1,1,2-Trichloroethane	UG/KG		1206815	16 U	16 U	14 U	13 U	16 U
1,1-Dichloroethane	UG/KG	200	105288462	16 U	16 U	14 U	13 U	16 U
1,1-Dichloroethene	UG/KG	400	114647	16 U	16 U	14 U	13 U	16 U
1,2-Dichloroethane	UG/KG	100	755917	16 U	16 U	14 U	13 U	16 U
1,2-Dichloroethene (total)	UG/KG			16 U	16 U	14 U	13 U	16 U
1,2-Dichloropropane	UG/KG		1011595	16 U	16 U	14 U	13 U	16 U
Acetone	UG/KG	200	105288462	16 U	20 B	14 U	13 U	16 U
Benzene	UG/KG	60	2372016	16 U	16 U	14 U	13 U	16 U
Bromodichloromethane	UG/KG		1109491	16 U	16 U	14 U	13 U	16 U
Bromoform	UG/KG		8707400	16 U	16 U	14 U	13 U	16 U
Carbon disulfide	UG/KG	2700	105288462	16 U	16 U	14 U	13 U	16 U
Carbon tetrachloride	UG/KG	600	529142	16 U	16 U	14 U	13 U	16 U
Chlorobenzene	UG/KG	1700	21057692	16 U	16 U	14 U	13 U	16 U
Chlorodibromomethane	UG/KG		818910	16 U	16 U	14 U	13 U	16 U
Chloroethane	UG/KG	1900	421153846	16 U	16 U	14 U	13 U	16 U
Chloroform	UG/KG	300	10528846	16 U	16 U	14 U	13 U	16 U
Cis-1,3-Dichloropropene	UG/KG			16 U	16 U	14 U	13 U	16 U
Ethyl benzene	UG/KG	5500	105288462	16 U	16 U	14 U	13 U	16 U
Methyl bromide	UG/KG		1505625	16 U	16 U	14 U	13 U	16 U
Methyl butyl ketone	UG/KG			16 U	16 U	14 U	13 U	16 U
Methyl chloride	UG/KG		5291420	16 U	16 U	14 U	13 U	16 U
Methyl ethyl ketone	UG/KG	300		16 U	16 U	14 U	13 U	16 U
Methyl isobutyl ketone	UG/KG	1000	84230769	16 U	16 U	14 U	13 U	16 U
Methylene chloride	UG/KG	100	9171795	16 U	16 U	14 U	13 U	16 U
Styrene	UG/KG			16 U	16 U	14 U	13 U	16 U
Tetrachloroethene	UG/KG	1400	1322855	16 U	16 U	14 U	13 U	16 U
Toluene	UG/KG	1500	210576923	5 J	16 U	13 J	12 J	7 J
Total Xylenes	UG/KG	1200	2105769231	16 U	16 U	14 U	13 U	16 U
Trans-1,3-Dichloropropene	UG/KG			16 U	16 U	14 U	13 U	16 U
Trichloroethene	UG/KG	700	6253497	16 U	16 U	14 U	13 U	16 U
Vinyl chloride	UG/KG	200	36204	16 U	16 U	14 U	13 U	16 U

Table 13-4
120J - Semivolatiles/TPH in Soil vs TAGM
Non-Evaluated EBS Sites

SITE				SEAD 120J	SEAD-120J	SEAD-120J	SEAD-120J	SEAD-120J
DESCRIPTION				Farmer's Dump	Farmer's Dump	Farmer's Dump	Farmer's Dump	Farmer's Dump
LOC ID				SS120J-1	SS120J-1	SS120J-2	SS120J-3	SS120J-4
SAMP_ID				EB269	EB029	EB270	EB271	EB272
QC CODE				SA	DU	SA	SA	SA
SAMP DEPTH 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				18-Mar-98	18 Mar-98	18-Mar-98	18-Mar-98	18-Mar-98
PARAMETER	UNIT	TAGM	PRG-REC	VALUE Q	VALUE Q	VALUE Q	VALUE Q	VALUE Q
1,2,4-Trichlorobenzene	UG/KG	3400	10528846	100 U	100 U	81 U	87 U	100 U
1,2-Dichlorobenzene	UG/KG	7900	94759615	100 U	100 U	81 U	87 U	100 U
1,3-Dichlorobenzene	UG/KG	1600	93706731	100 U	100 U	81 U	87 U	100 U
1,4-Dichlorobenzene	UG/KG	8500	2866186	100 U	100 U	81 U	87 U	100 U
2,4,5-Trichlorophenol	UG/KG	100	105288462	240 U	250 U	200 U	210 U	250 U
2,4,6-Trichlorophenol	UG/KG		6253497	100 U	100 U	81 U	87 U	100 U
2,4-Dichlorophenol	UG/KG	400	3158654	100 U	100 U	81 U	87 U	100 U
2,4-Dimethylphenol	UG/KG		21057692	100 U	100 U	81 U	87 U	100 U
2,4-Dinitrophenol	UG/KG	200	2105769	240 U	250 U	200 U	210 U	250 U
2,4-Dinitrotoluene	UG/KG		2105769	100 U	100 U	81 U	87 U	100 U
2,6-Dinitrotoluene	UG/KG	1000	1052885	100 U	100 U	81 U	87 U	100 U
2 Chloronaphthalene	UG/KG			100 U	100 U	81 U	87 U	100 U
2-Chlorophenol	UG/KG	800	5264423	100 U	100 U	81 U	87 U	100 U
2-Methylnaphthalene	UG/KG	36400		100 U	100 U	81 U	87 U	100 U
2-Methylphenol	UG/KG	100		100 U	100 U	81 U	87 U	100 U
2-Nitroaniline	UG/KG	430	63173	240 U	250 U	200 U	210 U	250 U
2-Nitrophenol	UG/KG	330		100 U	100 U	81 U	87 U	100 U
3,3 -Dichlorobenzidine	UG/KG			100 U	100 U	81 U	87 U	100 U
3-Nitroaniline	UG/KG	500	3158654	240 U	250 U	200 U	210 U	250 U
4,6-Dinitro-2-methylphenol	UG/KG			240 U	250 U	200 U	210 U	250 U
4-Bromophenyl phenyl ether	UG/KG		61067308	100 U	100 U	81 U	87 U	100 U
4-Chloro-3-methylphenol	UG/KG	240		100 U	100 U	81 U	87 U	100 U
4-Chloroaniline	UG/KG	220	4211538	100 U	100 U	81 U	87 U	100 U
4-Chlorophenyl phenyl ether	UG/KG			100 U	100 U	81 U	87 U	100 U
4-Methylphenol	UG/KG	900		100 U	100 U	81 U	87 U	100 U
4-Nitroaniline	UG/KG		3158654	240 U	250 U	200 U	210 U	250 U
4-Nitrophenol	UG/KG	100	63173077	240 U	250 U	200 U	210 U	250 U
Acenaphthene	UG/KG	50000		100 U	100 U	81 U	87 U	100 U
Acenaphthylene	UG/KG	41000		100 U	100 U	81 U	87 U	100 U
Anthracene	UG/KG	50000	315865385	100 U	100 U	81 U	87 U	100 U
Benzo[a]anthracene	UG/KG	224		19 J	22 J	8 8 J	7 6 J	18 J
Benzo[a]pyrene	UG/KG	61	9423	21 J	23 J	10 J	9 J	21 J
Benzo[b]fluoranthene	UG/KG	1100	94231	24 J	28 J	14 J	17 J	30 J
Benzo[ghi]perylene	UG/KG	50000		17 J	19 J	12 J	9 6 J	20 J
Benzo[k]fluoranthene	UG/KG	1100	942308	27 J	27 J	15 J	10 J	23 J
Bis(2-Chloroethoxy)methane	UG/KG			100 U	100 U	81 U	87 U	100 U
Bis(2-Chloroethyl)ether	UG/KG		62535	100 U	100 U	81 U	87 U	100 U
Bis(2-Chloroisopropyl)ether	UG/KG		982692	100 U	100 U	81 U	87 U	100 U
Bis(2-Ethylhexyl)phthalate	UG/KG	50000		12 JB	12 JB	10 JB	14 JB	11 JB
Butylbenzylphthalate	UG/KG	50000	210576923	100 U	100 U	81 U	8 1 J	100 U
Carbazole	UG/KG		3439423	6 6 J	100 U	81 U	87 U	100 U
Chrysene	UG/KG	400	9423077	28 J	33 J	17 J	15 J	30 J
Di-n-butylphthalate	UG/KG	8100		100 U	100 U	81 U	87 U	100 U
Di-n-octylphthalate	UG/KG	50000	21057692	100 U	100 U	81 U	87 U	100 U
Dibenz[a,h]anthracene	UG/KG	14		100 U	8 7 J	6 3 J	6 J	7.4 J
Dibenzofuran	UG/KG	6200	4211538	100 U	100 U	81 U	87 U	100 U
Diethyl phthalate	UG/KG	7100	842307692	34 J	7 3 J	4 2 J	7 5 J	7 J
Dimethylphthalate	UG/KG	2000	10528846150	100 U	100 U	81 U	87 U	100 U
Fluoranthene	UG/KG	50000	42115385	46 J	55 J	18 J	20 J	45 J
Fluorene	UG/KG	50000	42115385	100 U	100 U	81 U	87 U	100 U
Hexachlorobenzene	UG/KG	410	42993	100 U	100 U	81 U	87 U	100 U
Hexachlorobutadiene	UG/KG		210577	100 U	100 U	81 U	87 U	100 U
Hexachlorocyclopentadiene	UG/KG		7370192	100 U	100 U	81 U	87 U	100 U
Hexachloroethane	UG/KG		1052885	100 U	100 U	81 U	87 U	100 U
Indeno[1,2,3-cd]pyrene	UG/KG	3200	94231	15 J	18 J	11 J	8 J	17 J
Isophorone	UG/KG	4400		100 U	100 U	81 U	87 U	100 U
N-Nitrosodiphenylamine	UG/KG		14038462	100 U	100 U	81 U	87 U	100 U
N-Nitrosodipropylamine	UG/KG			100 U	100 U	81 U	87 U	100 U
Naphthalene	UG/KG	13000	42115385	100 U	100 U	81 U	87 U	100 U
Nitrobenzene	UG/KG	200	526442	100 U	100 U	81 U	87 U	100 U
Pentachlorophenol	UG/KG	1000	573237	240 U	250 U	200 U	210 U	250 U
Phenanthrene	UG/KG	50000		26 J	35 J	10 J	12 J	26 J
Phenol	UG/KG	30	631730769	100 U	100 U	81 U	87 U	100 U
Pyrene	UG/KG	50000	31586538	46 J	54 J	15 J	21 J	43 J
TPH	MG/KG			69 7	71 4	23 7	19 6 U	62 9

Table 13-5
120J - Semivolatiles and TPH in Soil vs PRG-REC
Non-Evaluated EBS Sites

SITE				SEAD-120J	SEAD-120J	SEAD-120J	SEAD-120J	SEAD-120J
DESCRIPTION				Farmer's Dump	Farmer's Dump	Farmer's Dump	Farmer's Dump	Farmer's Dump
LOC ID				SS120J-1	SS120J-1	SS120J-2	SS120J-3	SS120J-4
SAMP_ID				EB269	EB029	EB270	EB271	EB272
QC CODE				SA	DU	SA	SA	SA
SAMP DEPTH 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				18-Mar-98	18-Mar-98	18-Mar-98	18-Mar-98	18-Mar-98
PARAMETER	UNIT	TAGM	PRG-REC	VALUE Q	VALUE Q	VALUE Q	VALUE Q	VALUE Q
1,2,4-Trichlorobenzene	UG/KG	3400	10528846	100 U	100 U	81 U	87 U	100 U
1,2-Dichlorobenzene	UG/KG	7900	94759615	100 U	100 U	81 U	87 U	100 U
1,3-Dichlorobenzene	UG/KG	1600	93706731	100 U	100 U	81 U	87 U	100 U
1,4-Dichlorobenzene	UG/KG	8500	2866186	100 U	100 U	81 U	87 U	100 U
2,4,5-Trichlorophenol	UG/KG	100	105288462	240 U	250 U	200 U	210 U	250 U
2,4,6-Trichlorophenol	UG/KG		6253497	100 U	100 U	81 U	87 U	100 U
2,4-Dichlorophenol	UG/KG	400	3158654	100 U	100 U	81 U	87 U	100 U
2,4-Dimethylphenol	UG/KG		21057692	100 U	100 U	81 U	87 U	100 U
2,4-Dinitrophenol	UG/KG	200	2105769	240 U	250 U	200 U	210 U	250 U
2,4-Dinitrotoluene	UG/KG		2105769	100 U	100 U	81 U	87 U	100 U
2,6-Dinitrotoluene	UG/KG	1000	1052885	100 U	100 U	81 U	87 U	100 U
2-Chloronaphthalene	UG/KG			100 U	100 U	81 U	87 U	100 U
2-Chlorophenol	UG/KG	800	5264423	100 U	100 U	81 U	87 U	100 U
2-Methylnaphthalene	UG/KG	36400		100 U	100 U	81 U	87 U	100 U
2-Methylphenol	UG/KG	100	52644231	100 U	100 U	81 U	87 U	100 U
2-Nitroaniline	UG/KG	430	63173	240 U	250 U	200 U	210 U	250 U
2-Nitrophenol	UG/KG	330		100 U	100 U	81 U	87 U	100 U
3,3'-Dichlorobenzidine	UG/KG		152863	100 U	100 U	81 U	87 U	100 U
3-Nitroaniline	UG/KG	500	3158654	240 U	250 U	200 U	210 U	250 U
4,6-Dinitro-2-methylphenol	UG/KG			240 U	250 U	200 U	210 U	250 U
4-Bromophenyl phenyl ether	UG/KG		61067308	100 U	100 U	81 U	87 U	100 U
4-Chloro-3-methylphenol	UG/KG	240		100 U	100 U	81 U	87 U	100 U
4-Chloroaniline	UG/KG	220	4211538	100 U	100 U	81 U	87 U	100 U
4-Chlorophenyl phenyl ether	UG/KG			100 U	100 U	81 U	87 U	100 U
4-Methylphenol	UG/KG	900		100 U	100 U	81 U	87 U	100 U
4-Nitroaniline	UG/KG		3158654	240 U	250 U	200 U	210 U	250 U
4-Nitrophenol	UG/KG	100	63173077	240 U	250 U	200 U	210 U	250 U
Acenaphthene	UG/KG	50000		100 U	100 U	81 U	87 U	100 U
Acenaphthylene	UG/KG	41000		100 U	100 U	81 U	87 U	100 U
Anthracene	UG/KG	50000	315865385	100 U	100 U	81 U	87 U	100 U
Benzo[a]anthracene	UG/KG	224	94231	19 J	22 J	6 8 J	7 6 J	18 J
Benzo[a]pyrene	UG/KG	61	9423	21 J	23 J	10 J	9 J	21 J
Benzo[b]fluoranthene	UG/KG	1100	94231	24 J	28 J	14 J	17 J	30 J
Benzo[ghi]perylene	UG/KG	50000		17 J	19 J	12 J	9 6 J	20 J
Benzo[k]fluoranthene	UG/KG	1100	942308	27 J	27 J	15 J	10 J	23 J
Bis(2-Chloroethoxy)methane	UG/KG			100 U	100 U	81 U	87 U	100 U
Bis(2-Chloroethyl)ether	UG/KG		62535	100 U	100 U	81 U	87 U	100 U
Bis(2-Chloroisopropyl)ether	UG/KG		982692	100 U	100 U	81 U	87 U	100 U
Bis(2-Ethylhexyl)phthalate	UG/KG	50000	4913462	12 JB	12 JB	10 JB	14 JB	11 JB
Butylbenzylphthalate	UG/KG	50000	210576923	100 U	100 U	81 U	8 1 J	100 U
Carbazole	UG/KG		3439423	6 6 J	100 U	81 U	87 U	100 U
Chrysene	UG/KG	400	9423077	28 J	33 J	17 J	15 J	30 J
Di-n-butylphthalate	UG/KG	8100		100 U	100 U	81 U	87 U	100 U
Di-n-octylphthalate	UG/KG	50000	21057692	100 U	100 U	81 U	87 U	100 U
Dibenz[a,h]anthracene	UG/KG	14	9423	100 U	8 7 J	6 3 J	6 J	7 4 J
Dibenzofuran	UG/KG	6200	4211538	100 U	100 U	81 U	87 U	100 U
Diethyl phthalate	UG/KG	7100	842307692	34 J	7 3 J	4 2 J	7 5 J	7 J
Dimethylphthalate	UG/KG	2000	10528846150	100 U	100 U	81 U	87 U	100 U
Fluoranthene	UG/KG	50000	42115385	46 J	55 J	18 J	20 J	45 J
Fluorene	UG/KG	50000	42115385	100 U	100 U	81 U	87 U	100 U
Hexachlorobenzene	UG/KG	410	42993	100 U	100 U	81 U	87 U	100 U
Hexachlorobutadiene	UG/KG		210577	100 U	100 U	81 U	87 U	100 U
Hexachlorocyclopentadiene	UG/KG		7370192	100 U	100 U	81 U	87 U	100 U
Hexachloroethane	UG/KG		1052885	100 U	100 U	81 U	87 U	100 U
Indeno[1,2,3-cd]pyrene	UG/KG	3200	94231	15 J	18 J	11 J	8 J	17 J
Isophorone	UG/KG	4400		100 U	100 U	81 U	87 U	100 U
N-Nitrosodiphenylamine	UG/KG		14038462	100 U	100 U	81 U	87 U	100 U
N-Nitrosodipropylamine	UG/KG		9827	100 U	100 U	81 U	87 U	100 U
Naphthalene	UG/KG	13000	42115385	100 U	100 U	81 U	87 U	100 U
Nitrobenzene	UG/KG	200	526442	100 U	100 U	81 U	87 U	100 U
Pentachlorophenol	UG/KG	1000	573237	240 U	250 U	200 U	210 U	250 U
Phenanthrene	UG/KG	50000		26 J	35 J	10 J	12 J	26 J
Phenol	UG/KG	30	631730769	100 U	100 U	81 U	87 U	100 U
Pyrene	UG/KG	50000	31586538	46 J	54 J	15 J	21 J	43 J
TPH	MG/KG			69 7	71 4	23 7	19 8 U	62 9

Table13-6
120J - Metals in Soil vs TAGM
Non-Evaluated EBS Sites

SITE:				SEAD-120J	SEAD-120J	SEAD-120J	SEAD-120J	SEAD-120J
DESCRIPTION:				Farmer's Dump	Farmer's Dump	Farmer's Dump	Farmer's Dump	Farmer's Dump
LOC ID:				SS120J-1	SS120J-1	SS120J-2	SS120J-3	SS120J-4
SAMP_ID:				EB269	EB029	EB270	EB271	EB272
QC CODE:				SA	DU	SA	SA	SA
SAMP. DEPTH 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:				18-Mar-98	18-Mar-98	18-Mar-98	18-Mar-98	18-Mar-98
PARAMETER	UNIT	TAGM	PRG-REC	VALUE Q	VALUE Q	VALUE Q	VALUE Q	VALUE Q
Aluminum	MG/KG	19520	1052885	14800	14500	11100	16400	15700
Antimony	MG/KG	6	421	3.2 UN	3.3 UN	2.7 UN	2.8 UN	3.3 UN
Arsenic	MG/KG	8.9	46	4.1 N*	3.6 N*	3.6 N*	4.3 N*	5.6 N*
Barium	MG/KG	300	73702	154	142	73.6	50.6 B	132
Beryllium	MG/KG	1.13	16	0.76 B	0.76 B	0.44 B	0.64 B	0.58 B
Cadmium	MG/KG	2.46	526	0.21 U	0.21 U	0.17 U	0.18 U	0.21 U
Calcium	MG/KG	125300	0	8050	8620	5760	2760	6150
Chromium	MG/KG	30	1052885	24.2	23.2	18.0	29.8	23.8
Cobalt	MG/KG	30	63173	11.2 B	10.5 B	10.7 B	15.3	13.7 B
Copper	MG/KG	33	42115	21.1	21.7	17.4	61.8	24.9
Cyanide	MG/KG	0.35		0.80 U	0.84 U	0.64 U	0.69 U	0.82 U
Iron	MG/KG	37410	315865	28300	27300	22500	33000	28200
Lead	MG/KG	24.4		144 *	*	*	*	*
Magnesium	MG/KG	21700		4670	4420	4290	6690	4690
Manganese	MG/KG	1100	24216	420	401	427	324	823
Mercury	MG/KG	0.1	316	0.07 U	0.07 U	0.05 U	0.06 U	0.08 B
Nickel	MG/KG	50	21058	34.3	33.0	28.7	47.3	34.6
Potassium	MG/KG	2623		1920	1960	1230 B	2080	2270
Selenium	MG/KG	2	5264	1.6 N	1.4 UN	1.2 UN	1.2 UN	1.4 UN
Silver	MG/KG	0.8	5264	1.1 U	1.2 U	0.94 U	0.98 U	1.2 U
Sodium	MG/KG	188		252 U	256 U	208 U	217 U	256 U
Thallium	MG/KG	0.855	84	1.9 U	1.9 U	1.6 U	1.6 U	1.9 U
Vanadium	MG/KG	150	7370	21.7	21.2	17.4	22.9	25.0
Zinc	MG/KG	115	315865	93.2	91.2	82.6	[illegible]	114

Table 13-7
120J - Metals in Soil vs PRG-REC
Non-Evaluated EBS Sites

SITE:				SEAD-120J	SEAD-120J	SEAD-120J	SEAD-120J	SEAD-120J
DESCRIPTION:				Farmer's Dump	Farmer's Dump	Farmer's Dump	Farmer's Dump	Farmer's Dump
LOC ID:				SS120J-1	SS120J-1	SS120J-2	SS120J-3	SS120J-4
SAMP_ID:				EB269	EB029	EB270	EB271	EB272
QC CODE:				SA	DU	SA	SA	SA
SAMP. DEPTH 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:				18-Mar-98	18-Mar-98	18-Mar-98	18-Mar-98	18-Mar-98
PARAMETER	UNIT	TAGM	PRG-REC	VALUE Q	VALUE Q	VALUE Q	VALUE Q	VALUE Q
Aluminum	MG/KG	14592.84	1052885	14800	14500	11100	16400	15700
Antimony	MG/KG	3.59	421	3.2 UN	3.3 UN	2.7 UN	2.8 UN	3.3 UN
Arsenic	MG/KG	7.5	46	4.1 N*	3.6 N*	3.6 N*	4.3 N*	5.6 N*
Barium	MG/KG	300	73702	154	142	73.6	50.6 B	132
Beryllium	MG/KG	0.73	16	0.76 B	0.76 B	0.44 B	0.64 B	0.58 B
Cadmium	MG/KG	1	526	0.21 U	0.21 U	0.17 U	0.18 U	0.21 U
Calcium	MG/KG	101903.8	0	8050	8620	5760	2760	6150
Chromium	MG/KG	22.13	1052885	24.2	23.2	18.0	29.8	23.8
Cobalt	MG/KG	30	63173	11.2 B	10.5 B	10.7 B	15.3	13.7 B
Copper	MG/KG	25	42115	21.1	21.7	17.4	61.8	24.9
Cyanide	MG/KG	0.3		0.80 U	0.84 U	0.64 U	0.69 U	0.82 U
Iron	MG/KG	26626.65	315865	28300	27300	22500	33000	28200
Lead	MG/KG	21.86		144 *	115 *	38.4 *	29.9 *	32.8 *
Magnesium	MG/KG	12221.77		4670	4420	4290	6690	4690
Manganese	MG/KG	669.38	24216	420	401	427	324	823
Mercury	MG/KG	0.1	316	0.07 U	0.07 U	0.05 U	0.06 U	0.08 B
Nickel	MG/KG	33.62	21058	34.3	33.0	28.7	47.3	34.6
Potassium	MG/KG	1761.48		1920	1960	1230 B	2080	2270
Selenium	MG/KG	2	5264	1.6 N	1.4 UN	1.2 UN	1.2 UN	1.4 UN
Silver	MG/KG	0.4	5264	1.1 U	1.2 U	0.94 U	0.98 U	1.2 U
Sodium	MG/KG	103.74		252 U	256 U	208 U	217 U	256 U
Thallium	MG/KG	0.28	84	1.9 U	1.9 U	1.6 U	1.6 U	1.9 U
Vanadium	MG/KG	150	7370	21.7	21.2	17.4	22.9	25.0
Zinc	MG/KG	82.5	315865	93.2	91.2	82.6	233	114

Table 13-8
120J - Pesticides/PCB in Soil vs TAGM
Non-Evaluated EBS Sites

SITE:				SEAD-120J	SEAD-120J	SEAD-120J	SEAD-120J	SEAD-120J
DESCRIPTION:				Farmer's Dump	Farmer's Dump	Farmer's Dump	Farmer's Dump	Farmer's Dump
LOC ID:				SS120J-1	SS120J-1	SS120J-2	SS120J-3	SS120J-4
SAMP_ID:				EB269	EB029	EB270	EB271	EB272
QC CODE:				SA	DU	SA	SA	SA
SAMP. DEPTH 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:				18-Mar-98	18-Mar-98	18-Mar-98	18-Mar-98	18-Mar-98
PARAMETER	UNIT	TAGM	PRG-REC	VALUE Q	VALUE Q	VALUE Q	VALUE Q	VALUE Q
4,4`-DDD	UG/KG	2900	286619	5 U	5.1 U	4.1 U	4.3 U	5.1 U
4,4`-DDE	UG/KG	2100	202319	5 U	5.1 U	4.1 U	2.2 J	5.1 U
4,4`-DDT	UG/KG	2100	202319	5 U	5.1 U	2.7 J	4.3 J	5.1 U
Aldrin	UG/KG	41	4046	2.6 U	2.6 U	2.1 U	2.2 U	2.6 U
Alpha-BHC	UG/KG	110		2.6 U	2.6 U	2.1 U	2.2 U	2.6 U
Alpha-Chlordane	UG/KG			2.6 U	2.6 U	2.1 U	2.2 U	2.6 U
Aroclor-1016	UG/KG		73702	50 U	51 U	41 U	43 U	51 U
Aroclor-1221	UG/KG			100 U	100 U	83 U	88 U	100 U
Aroclor-1232	UG/KG			50 U	51 U	41 U	43 U	51 U
Aroclor-1242	UG/KG			50 U	51 U	41 U	43 U	51 U
Aroclor-1248	UG/KG			50 U	51 U	41 U	43 U	51 U
Aroclor-1254	UG/KG	10000	21058	50 U	51 U	41 U	43 U	51 U
Aroclor-1260	UG/KG	10000		50 U	51 U	41 U	43 U	51 U
Beta-BHC	UG/KG	200		2.6 U	2.6 U	2.1 U	2.2 U	2.6 U
Delta-BHC	UG/KG	300		2.6 U	2.6 U	2.1 U	2.2 U	2.6 U
Dieldrin	UG/KG	44	4299	5 U	5.1 U	4.1 U	4.3 U	5.1 U
Endosulfan I	UG/KG	900	6317308	2.6 U	2.6 U	2.1 U	2.2 U	2.6 U
Endosulfan II	UG/KG	900	6317308	5 U	5.1 U	4.1 U	4.3 U	5.1 U
Endosulfan sulfate	UG/KG	1000		5 U	5.1 U	4.1 U	4.3 U	5.1 U
Endrin	UG/KG	100	315865	5 U	5.1 U	4.1 U	4.3 U	5.1 U
Endrin aldehyde	UG/KG		315865	5 U	5.1 U	4.1 U	4.3 U	5.1 U
Endrin ketone	UG/KG		315865	5 U	5.1 U	4.1 U	4.3 U	5.1 U
Gamma-BHC/Lindane	UG/KG	60	52914	2.6 U	2.6 U	2.1 U	2.2 U	2.6 U
Gamma-Chlordane	UG/KG	540		2.6 U	2.6 U	2.1 U	2.2 U	2.6 U
Heptachlor	UG/KG	100	15286	2.6 U	2.6 U	2.1 U	2.2 U	2.6 U
Heptachlor epoxide	UG/KG	20	7559	2.6 U	2.6 U	2.1 U	2.2 U	2.6 U
Methoxychlor	UG/KG		5264423	26 U	26 U	21 U	22 U	26 U
Toxaphene	UG/KG			260 U	260 U	210 U	220 U	260 U

Table 13-9
120J - Pesticides/PCB in Soil vs PRG-REC
Non-Evaluated EBS Sites

SITE:				SEAD-120J	SEAD-120J	SEAD-120J	SEAD-120J	SEAD-120J
DESCRIPTION:				Farmer's Dump	Farmer's Dump	Farmer's Dump	Farmer's Dump	Farmer's Dump
LOC ID:				SS120J-1	SS120J-1	SS120J-2	SS120J-3	SS120J-4
SAMP_ID:				EB269	EB029	EB270	EB271	EB272
QC CODE:				SA	DU	SA	SA	SA
SAMP. DEPTH 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:				18-Mar-98	18-Mar-98	18-Mar-98	18-Mar-98	18-Mar-98
PARAMETER	UNIT	TAGM	PRG-REC	VALUE Q	VALUE Q	VALUE Q	VALUE Q	VALUE Q
4,4`-DDD	UG/KG	2900	286619	5 U	5.1 U	4.1 U	4.3 U	5.1 U
4,4`-DDE	UG/KG	2100	202319	5 U	5.1 U	4.1 U	2.2 J	5.1 U
4,4`-DDT	UG/KG	2100	202319	5 U	5.1 U	2.7 J	4.3 J	5.1 U
Aldrin	UG/KG	41	4046	2.6 U	2.6 U	2.1 U	2.2 U	2.6 U
Alpha-BHC	UG/KG	110		2.6 U	2.6 U	2.1 U	2.2 U	2.6 U
Alpha-Chlordane	UG/KG			2.6 U	2.6 U	2.1 U	2.2 U	2.6 U
Aroclor-1016	UG/KG		73702	50 U	51 U	41 U	43 U	51 U
Aroclor-1221	UG/KG			100 U	100 U	83 U	88 U	100 U
Aroclor-1232	UG/KG			50 U	51 U	41 U	43 U	51 U
Aroclor-1242	UG/KG			50 U	51 U	41 U	43 U	51 U
Aroclor-1248	UG/KG			50 U	51 U	41 U	43 U	51 U
Aroclor-1254	UG/KG	10000	21058	50 U	51 U	41 U	43 U	51 U
Aroclor-1260	UG/KG	10000		50 U	51 U	41 U	43 U	51 U
Beta-BHC	UG/KG	200		2.6 U	2.6 U	2.1 U	2.2 U	2.6 U
Delta-BHC	UG/KG	300		2.6 U	2.6 U	2.1 U	2.2 U	2.6 U
Dieldrin	UG/KG	44	4299	5 U	5.1 U	4.1 U	4.3 U	5.1 U
Endosulfan I	UG/KG	900	6317308	2.6 U	2.6 U	2.1 U	2.2 U	2.6 U
Endosulfan II	UG/KG	900	6317308	5 U	5.1 U	4.1 U	4.3 U	5.1 U
Endosulfan sulfate	UG/KG	1000		5 U	5.1 U	4.1 U	4.3 U	5.1 U
Endrin	UG/KG	100	315865	5 U	5.1 U	4.1 U	4.3 U	5.1 U
Endrin aldehyde	UG/KG		315865	5 U	5.1 U	4.1 U	4.3 U	5.1 U
Endrin ketone	UG/KG		315865	5 U	5.1 U	4.1 U	4.3 U	5.1 U
Gamma-BHC/Lindane	UG/KG	60	52914	2.6 U	2.6 U	2.1 U	2.2 U	2.6 U
Gamma-Chlordane	UG/KG	540		2.6 U	2.6 U	2.1 U	2.2 U	2.6 U
Heptachlor	UG/KG	100	15286	2.6 U	2.6 U	2.1 U	2.2 U	2.6 U
Heptachlor epoxide	UG/KG	20	7559	2.6 U	2.6 U	2.1 U	2.2 U	2.6 U
Methoxychlor	UG/KG		5264423	26 U	26 U	21 U	22 U	26 U
Toxaphene	UG/KG			260 U	260 U	210 U	220 U	260 U

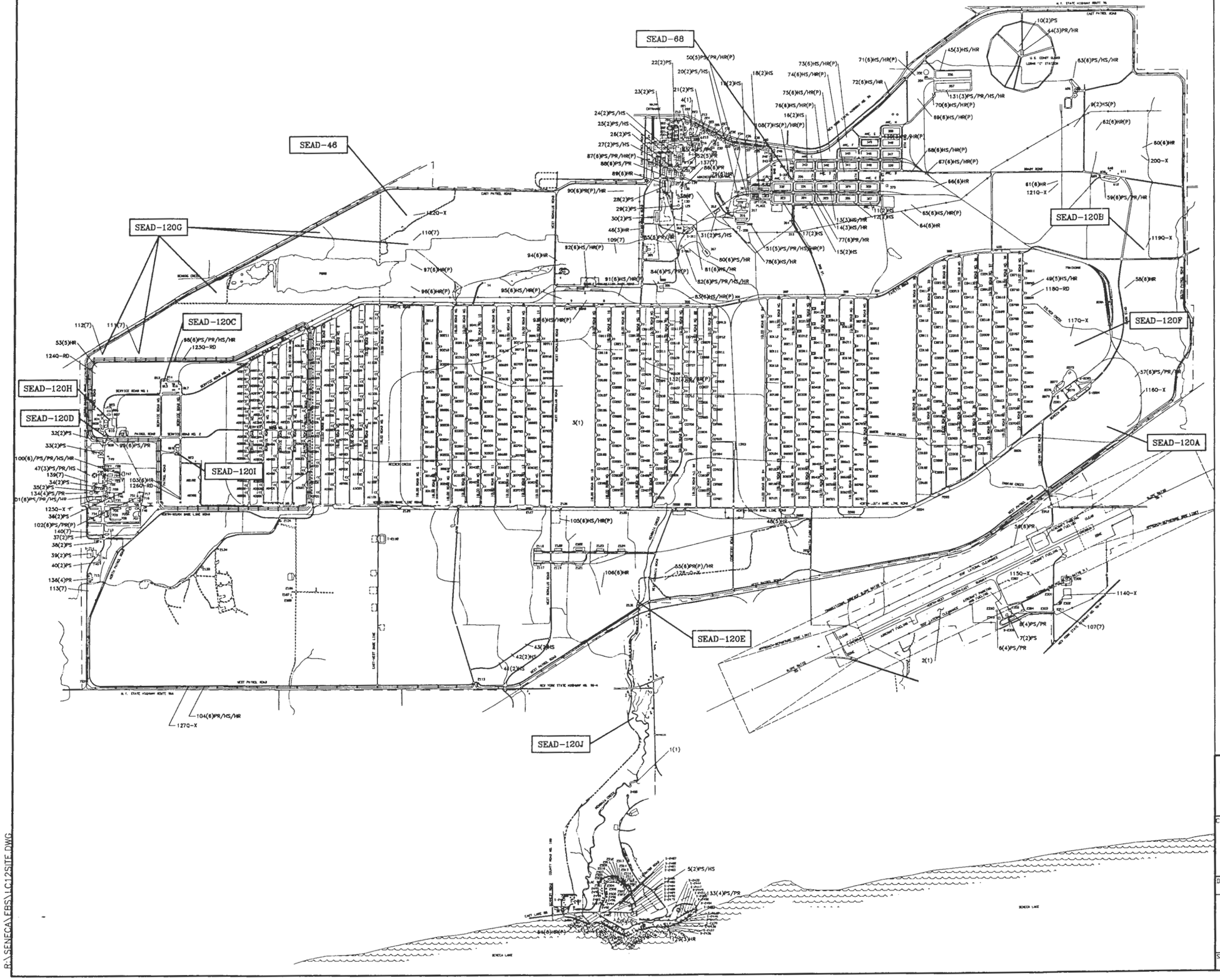
Table 13-10
120J - Herbicides in Soil vs TAGM
Non-Evaluated EBS Sites

SITE:			SEAD-120J	SEAD-120J	SEAD-120J	SEAD-120J	SEAD-120J
DESCRIPTION:			Farmer's Dump	Farmer's Dump	Farmer's Dump	Farmer's Dump	Farmer's Dump
LOC ID:			SS120J-1	SS120J-1	SS120J-2	SS120J-3	SS120J-4
SAMP_ID:			EB269	EB029	EB270	EB271	EB272
QC CODE:			SA	DU	SA	SA	SA
SAMP. DEPTH 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:			18-Mar-98	18-Mar-98	18-Mar-98	18-Mar-98	18-Mar-98
PARAMETER	UNIT	TAGM	PRG-REC	VALUE Q	VALUE Q	VALUE Q	VALUE Q	VALUE Q
2,4,5-T	UG/KG	1900		7.3 U	7.4 U	5.9 U	6.3 U	7.3 U
2,4,5-TP/Silvex	UG/KG	700		7.3 U	7.4 U	5.9 U	6.3 U	7.3 U
2,4-D	UG/KG	500		71 U	72 U	58 U	62 U	71 U
2,4-DB	UG/KG			73 U	74 U	59 U	63 U	73 U
3,5-Dichlorobenzoic acid	UG/KG			71 U	72 U	58 U	62 U	71 U
Dalapon	UG/KG			390 U	400 U	320 U	340 U	390 U
Dicamba	UG/KG			7.1 U	7.2 U	5.8 U	6.2 U	7.1 U
Dichloroprop	UG/KG			71 U	72 U	58 U	62 U	71 U
Dinoseb	UG/KG			36 U	37 U	30 U	32 U	36 U
MCPA	UG/KG			7100 U	7200 U	5800 U	6200 U	7100 U
MCPP	UG/KG			7100 U	7200 U	5800 U	6200 U	7100 U
Pentachlorophenol	UG/KG	1000	573237	26 U	26 U	21 U	22 U	26 U
Picloram	UG/KG		73701923	7.3 U	7.4 U	5.9 U	6.3 U	7.3 U

Table 13-11
120J - Herbicides in Soil vs PRG-REC
Non-Evaluated EBS Sites

SITE:				SEAD-120J	SEAD-120J	SEAD-120J	SEAD-120J	SEAD-120J
DESCRIPTION:				Farmer's Dump	Farmer's Dump	Farmer's Dump	Farmer's Dump	Farmer's Dump
LOC ID:				SS120J-1	SS120J-1	SS120J-2	SS120J-3	SS120J-4
SAMP_ID:				EB269	EB029	EB270	EB271	EB272
QC CODE:				SA	DU	SA	SA	SA
SAMP. DEPTH 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:				18-Mar-98	18-Mar-98	18-Mar-98	18-Mar-98	18-Mar-98
PARAMETER	UNIT	TAGM	PRG-REC	VALUE Q	VALUE Q	VALUE Q	VALUE Q	VALUE Q
2,4,5-T	UG/KG	1900		7.3 U	7.4 U	5.9 U	6.3 U	7.3 U
2,4,5-TP/Silvex	UG/KG	700		7.3 U	7.4 U	5.9 U	6.3 U	7.3 U
2,4-D	UG/KG	500		71 U	72 U	58 U	62 U	71 U
2,4-DB	UG/KG			73 U	74 U	59 U	63 U	73 U
3,5-Dichlorobenzoic acid	UG/KG			71 U	72 U	58 U	62 U	71 U
Dalapon	UG/KG			390 U	400 U	320 U	340 U	390 U
Dicamba	UG/KG			7.1 U	7.2 U	5.8 U	6.2 U	7.1 U
Dichloroprop	UG/KG			71 U	72 U	58 U	62 U	71 U
Dinoseb	UG/KG			36 U	37 U	30 U	32 U	36 U
MCPA	UG/KG			7100 U	7200 U	5800 U	6200 U	7100 U
MCPP	UG/KG			7100 U	7200 U	5800 U	6200 U	7100 U
Pentachlorophenol	UG/KG	1000	573237	26 U	26 U	21 U	22 U	26 U
Picloram	UG/KG		73701923	7.3 U	7.4 U	5.9 U	6.3 U	7.3 U

FIGURES



N

LEGEND:

SEAD-122A NON-EVALUATED EBS SITE

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

8-119Q-A(P)
- 8 — PARCEL NUMBER
- 119Q — FACILITY NUMBER (IF APPLICABLE)
- A — QUALIFIED
- (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)

-2800 0 2800

SCALE: 1" = 2800'

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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 1-1
LOCATION OF 12 MODERATE
NON-EVALUATED EBS SITES

SCALE 1" = 2800' | DATE 04/24/98 | REV NA

SENECA ARMY DEPOT ACTIVITY
Decision Criteria Flowchart

DECISION NO	ACTION NO
	1
A	2
	3
B	4
	5
C	
D	6
	7
E	8
	9
F	
	10
	11
	12
G	13
	14

SUPPLEMENTARY ACTIONS

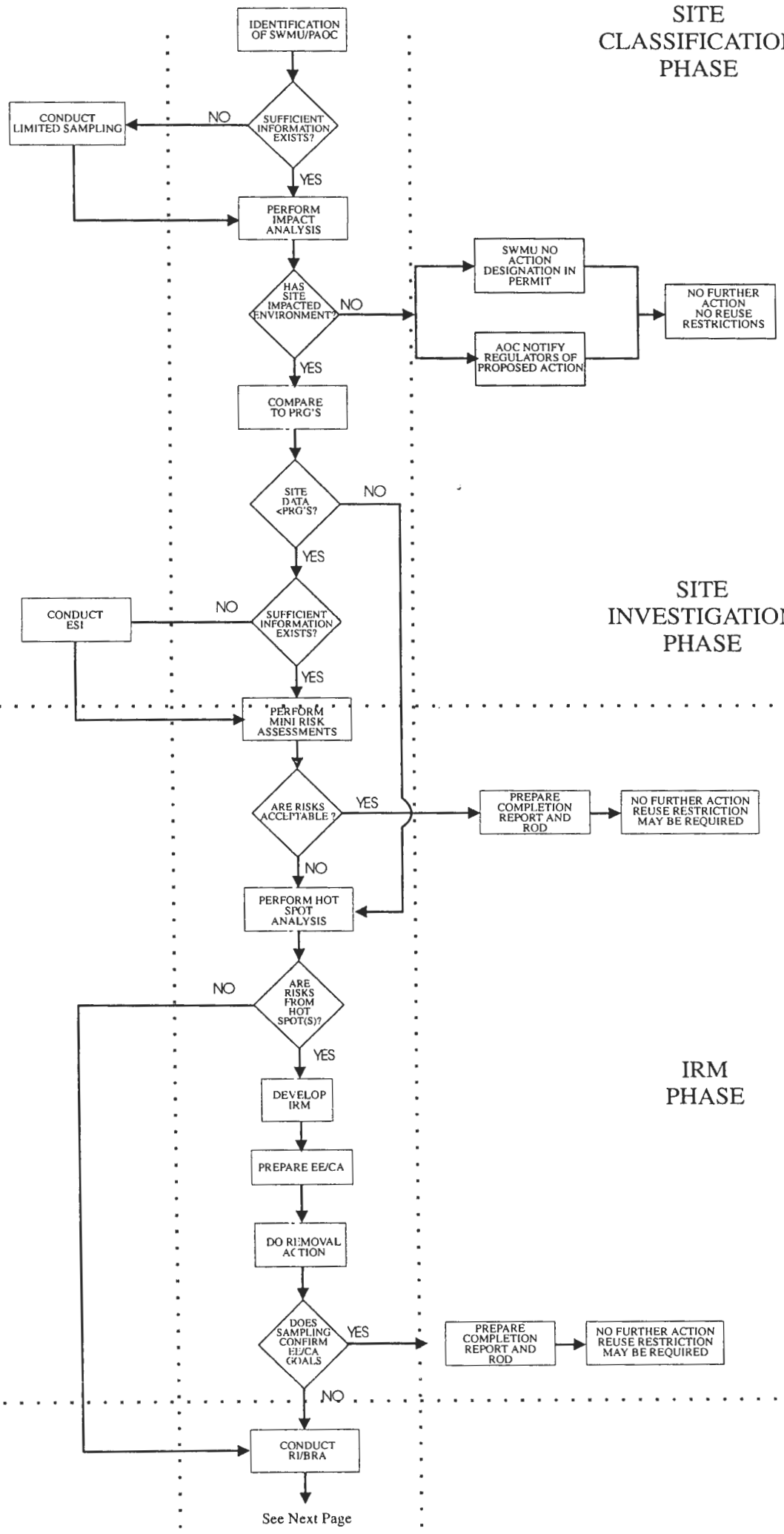
BASELINE ACTIONS

FINAL ACTIONS

SITE CLASSIFICATION PHASE

SITE INVESTIGATION PHASE

IRM PHASE



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CLIENT/PROJECT TITLE

SENECA ARMY DEPOT ACTIVITY
Environmental Baseline Survey
Investigation of Non-Evaluated Sites

DEPT: ENVIRONMENTAL ENGINEERING | DWG NO:

FIGURE 1-2

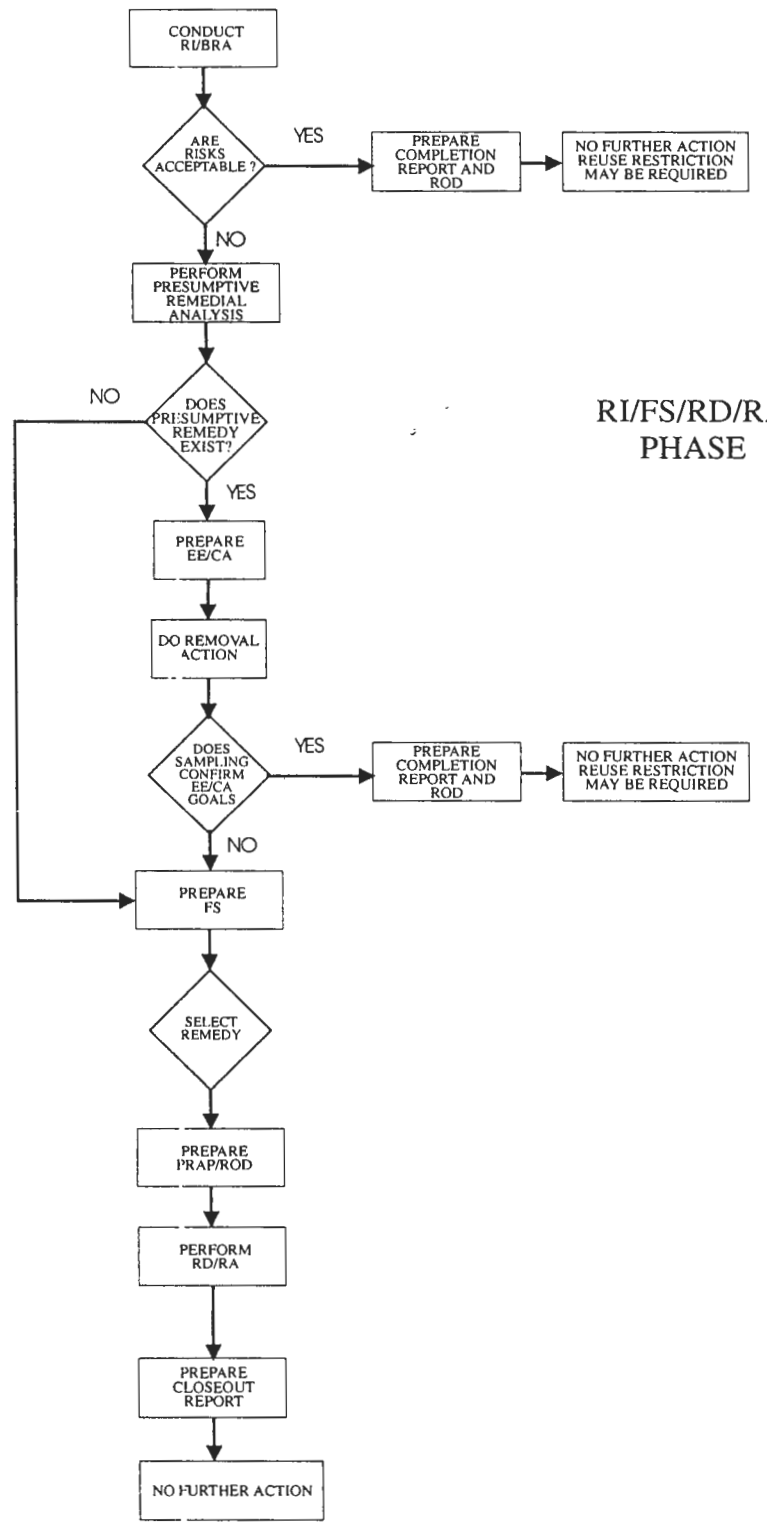
Decision Criteria
Remediation Flowchart

Page 1 of 2

SCALE: N/A | DATE: APRIL 1998

SENECA ARMY DEPOT ACTIVITY
Decision Criteria Flowchart

DECISION NO	ACTION NO	SUPPLEMENTARY ACTIONS	BASELINE ACTIONS	FINAL ACTIONS
	15			
H	16			
	17			
I				
	18			
	19			
J	20			
	21			
K				
	22			
	23			
	24			
	25			



RI/FS/RD/RA PHASE

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CLIENT/PROJECT TITLE
SENECA ARMY DEPOT ACTIVITY ENVIRONMENTAL PEER REVIEW PROGRAM

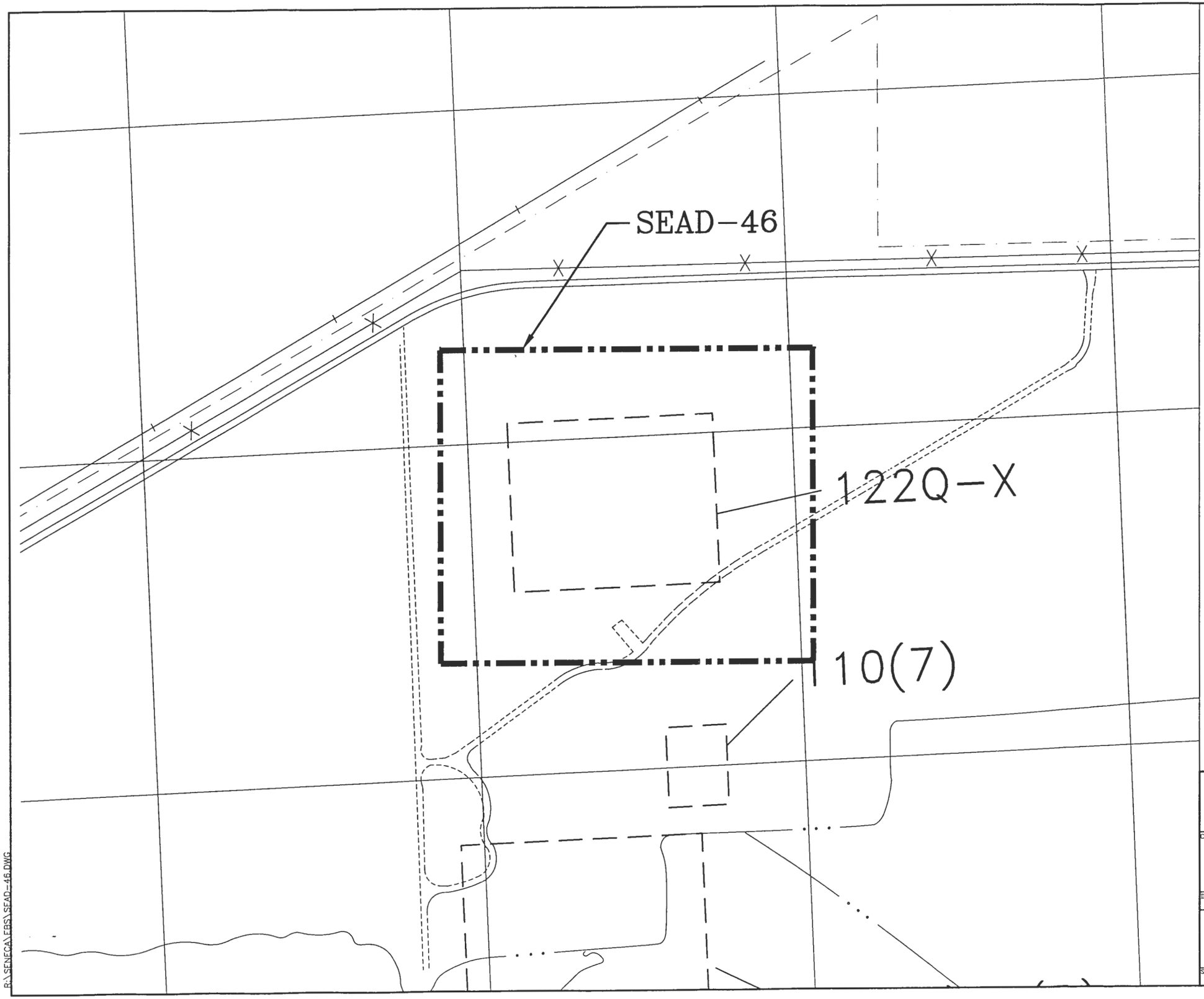
DEPT ENVIRONMENTAL ENGINEERING | DWG NO.

FIGURE 1-2

Decision Criteria Remediation Flowchart

Page 2 of 2

SCALE N/A | DATE MARCH 1998



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)

-200 0 200

SCALE: 1" = 200'

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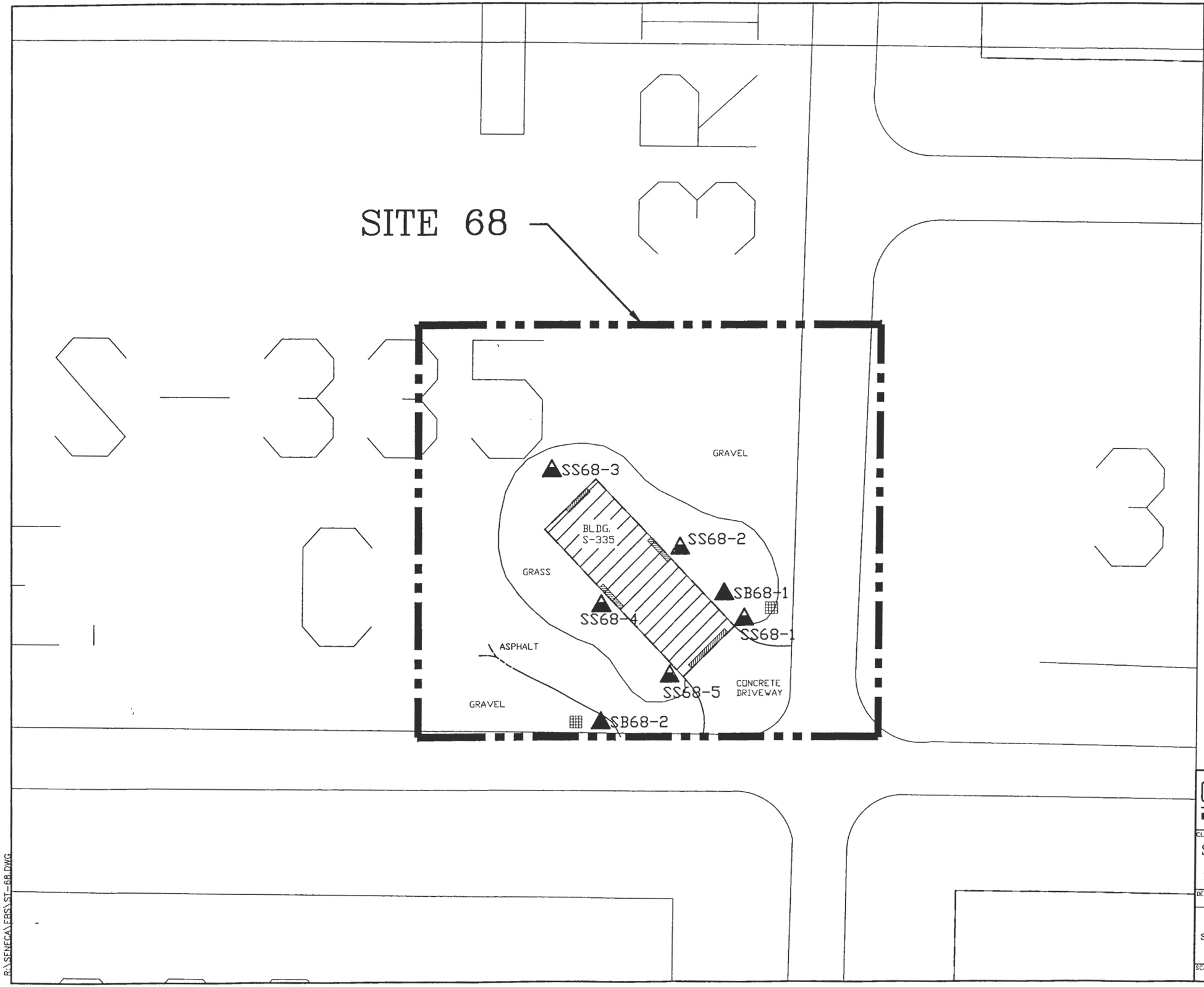
SENECA ARMY DEPOT ACTIVITY
ENVIROMENTAL BASELINE SURVEY
INVESTIGATION OF NON-EVALUATED SITES

DEPT.	Dwg. No.
ENVIRONMENTAL ENGINEERING	

FIGURE 2-1
SITE FEATURES AT EBS SITE SEAD-46
SMALL ARMS RANGE

SCALE	DATE	REV
1" = 200'	04/24/98	NA

R:\SENECA\EBS\SEAD-46.DWG



N

LEGEND:

- SB68-1 — SOIL BORING
- SS68-5 — SURFACE SOIL SAMPLE
- STORM DRAIN
- DOOR

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)

-50 0 50

SCALE: 1' = 50'

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ENVIROMENTAL BASELINE SURVEY
INVESTIGATION OF NON-0 EVALUATED SITES

DEPT. ENVIRONMENTAL ENGINEERING | Dwg. No.

FIGURE 3-1

SITE FEATURES AND SAMPLE LOCATIONS AT EBS SITE
SEAD-68, OLD PEST CONTROL SHOP BLDG. S-335

SCALE 1" = 50' | DATE 04/24/98 | REV A

R:\SENECA\EBS\ST-68.DWG

SITE 120A

117Q-X

116Q-X

57(6)PS/PR/HR

TP120A-1

TP120A-2

TP120A-3

TP120A-4

TP120A-5

SILVER CREEK

DIVID ROAD

SENECA ROAD

INDIAN CREEK ROAD

INDIAN CREEK

IGLOO ROAD NO. 36

IGLOO ROAD NO. 37

IGLOO ROAD NO. 38

IGLOO ROAD NO. 39

E0511 E0610 E0709 E0808

E0510 E0609 E0708 E0807

E0509 E0608 E0707 E0806

E0508 E0607 E0706 E0805

E0507 E0606 E0705 E0804

E0506 E0605 E0704 E0803

E0505 E0604 E0703 E0802

E0504 E0603 E0702 E0801

E0503 E0602 E0701

E0502 E0601 E0700

E0501

2086 2073 2077 2076 2078 2079 2081 2206

S-2085 S-2084

1 2 3 4 5 6

SLOPE RATIO 50: 1

R:\SENECA\EBS\ST-120A.DWG

LEGEND:

RAILROAD TRACKS

TP120A-1 TEST PIT

1 EXTENT OF EM-31 GEOPHYSICAL SURVEY WITH AREA DESIGNATION

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)

-600 0 600

SCALE: 1" = 600'

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CLIENT/PROJECT TITLE

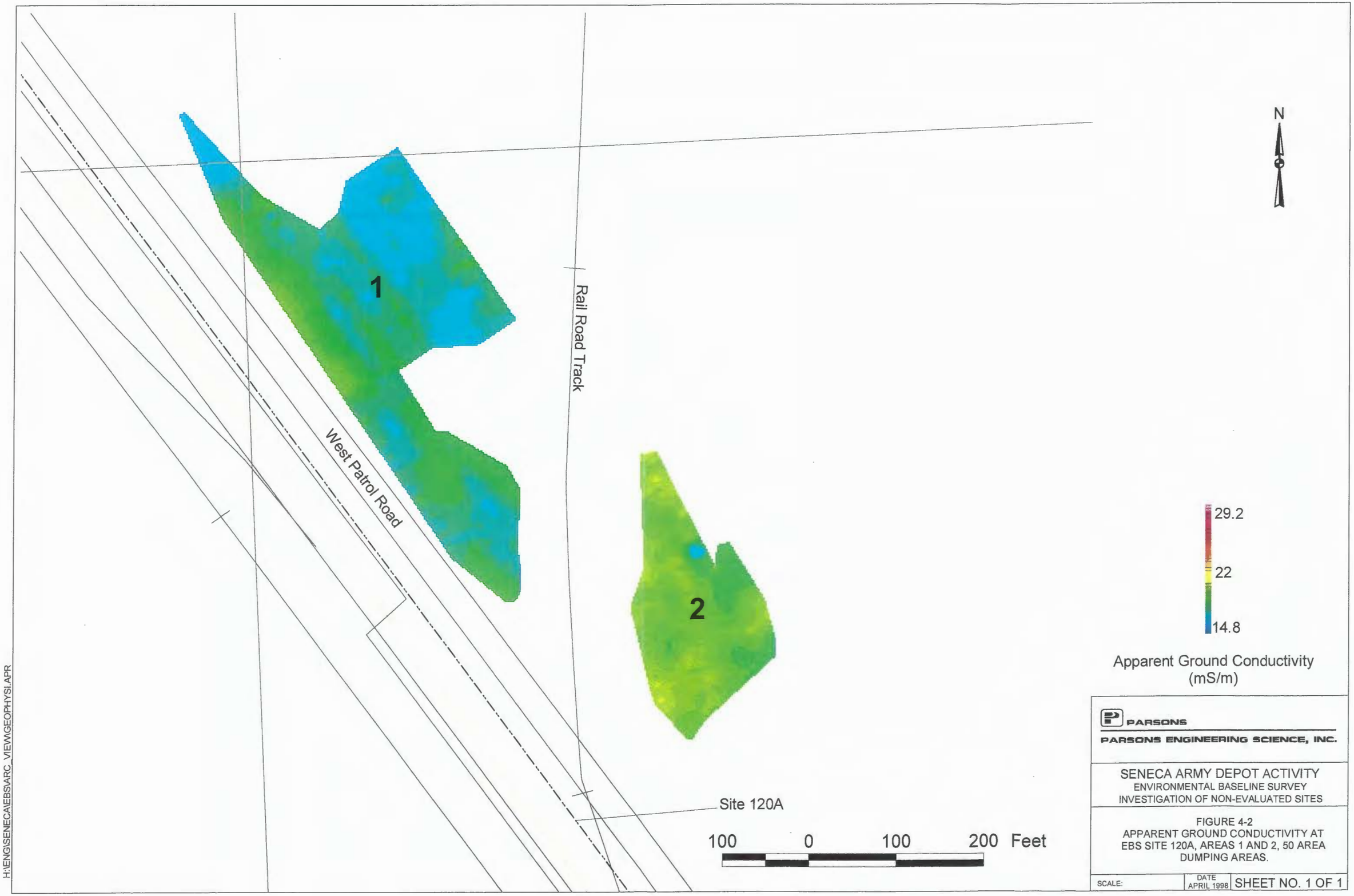
SENECA ARMY DEPOT ACTIVITY
ENVIROMENTAL BASELINE SURVEY
INVESTIGATION OF NON-EVALUATED SITES

DEPT. ENVIRONMENTAL ENGINEERING | Dwg. No.

FIGURE 4-1

SITE FEATURES, SAMPLING LOCATIONS AND GEOPHYSICAL GRID AT EBS SITE 120A 50 AREA DUMPING AREAS

SCALE 1" = 600' | DATE 04/24/98 | REV NA



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ENVIRONMENTAL BASELINE SURVEY
INVESTIGATION OF NON-EVALUATED SITES

FIGURE 4-2
APPARENT GROUND CONDUCTIVITY AT
EBS SITE 120A, AREAS 1 AND 2, 50 AREA
DUMPING AREAS.

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

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

FIGURE 4-3
IN PHASE RESPONSE AT
EBS SITE 120A, AREAS 1 AND 2, 50 AREA
DUMPING AREAS.

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

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

FIGURE 4-4
APPARENT GROUND CONDUCTIVITY AT EBS SITE 120A, AREAS 3 AND 4, 50 AREA DUMPING AREAS.

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

Rail Road Track

Site 120A

Pond associated with SEAD-4 (Former munitions washout facility)

Seneca Road

N

4

3

5.7

0

-5.7

In Phase Response
(ppt)

100 0 100 200 Feet

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

FIGURE 4-5
IN PHASE RESPONSE AT
EBS SITE 120A, AREAS 3 AND 4, 50 AREA
DUMPING AREAS.

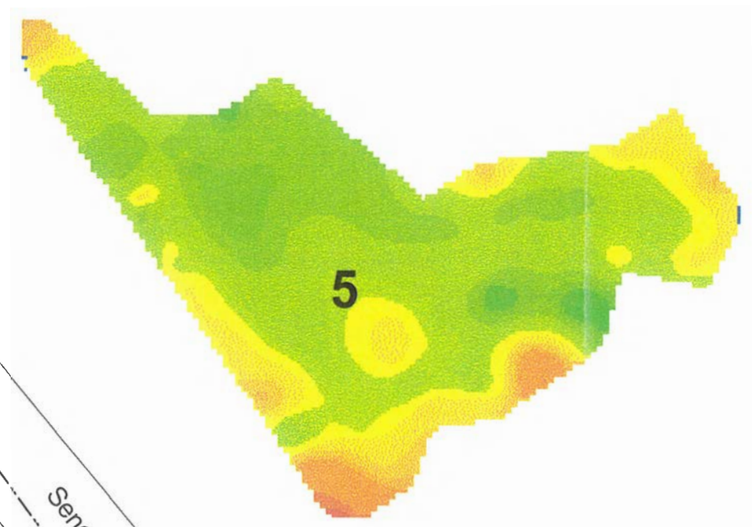
SCALE: | DATE APRIL 1998 | SHEET NO. 1 OF 1

H:\ENG\SENECA\EBS\ARC_VIEW\GEOPHYSI.APR

Igloo Road No. 39

N

SITE 120A



Seneca Road

29.2

22

14.8

Apparent Ground Conductivity
(mS/m)

50 0 50 100 Feet

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

FIGURE 4-6
APPARENT GROUND CONDUCTIVITY AT
EBS SITE 120A, AREA 5, 50 AREA
DUMPING AREAS.

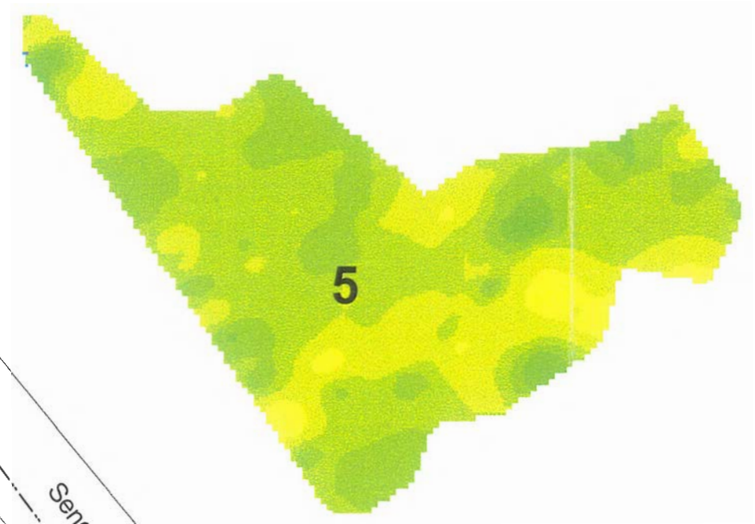
SCALE: | DATE APRIL 1998 | SHEET NO. 1 OF 1

H:\ENG\SENECA\EBS\ARC_VIEW\GEOPHYSI.APR

Igloo Road No. 39

N

SITE 120A



Seneca Road

5.7

0

-5.7

In Phase Response
(ppt)

50 0 50 100 Feet

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

FIGURE 4-7
IN PHASE RESPONSE AT
EBS SITE 120A, AREA 5, 50 AREA
DUMPING AREAS.

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

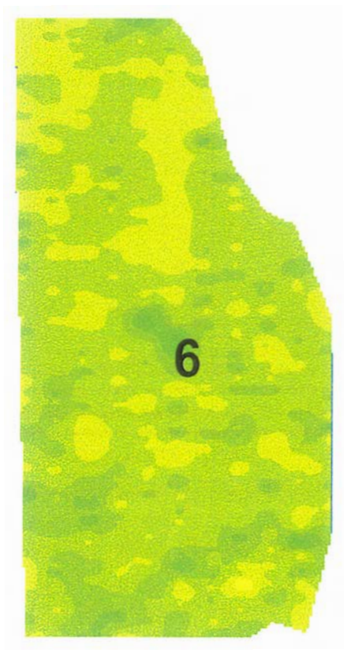
H:\ENG\SENECA\EBS\ARC_VIEW\GEOPHYSI.APR

E0805

E0806

E0807

N



29.2

22

14.8

Apparent Ground Conductivity
(mS/m)

100 0 100 200 Feet

Silver Creek

H:\ENG\SENECA\EBS\ARC_VIEW\GEOPHYSI.APR

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

FIGURE 4-8
APPARENT GROUND CONDUCTIVITY AT
EBS SITE 120A, AREA 6, 50 AREA
DUMPING AREAS.

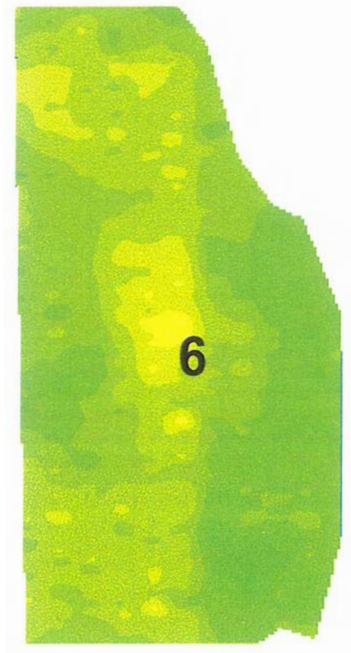
SCALE: | DATE APRIL 1998 | SHEET NO. 1 OF 1

E0805

E0806

E0807

N



5.7

0

-5.7

In Phase Response
(ppt)

100 0 100 200 Feet

Silver Creek

H:\ENG\SENECA\EBS\ARC_VIEW\GEOPHYSI.APR

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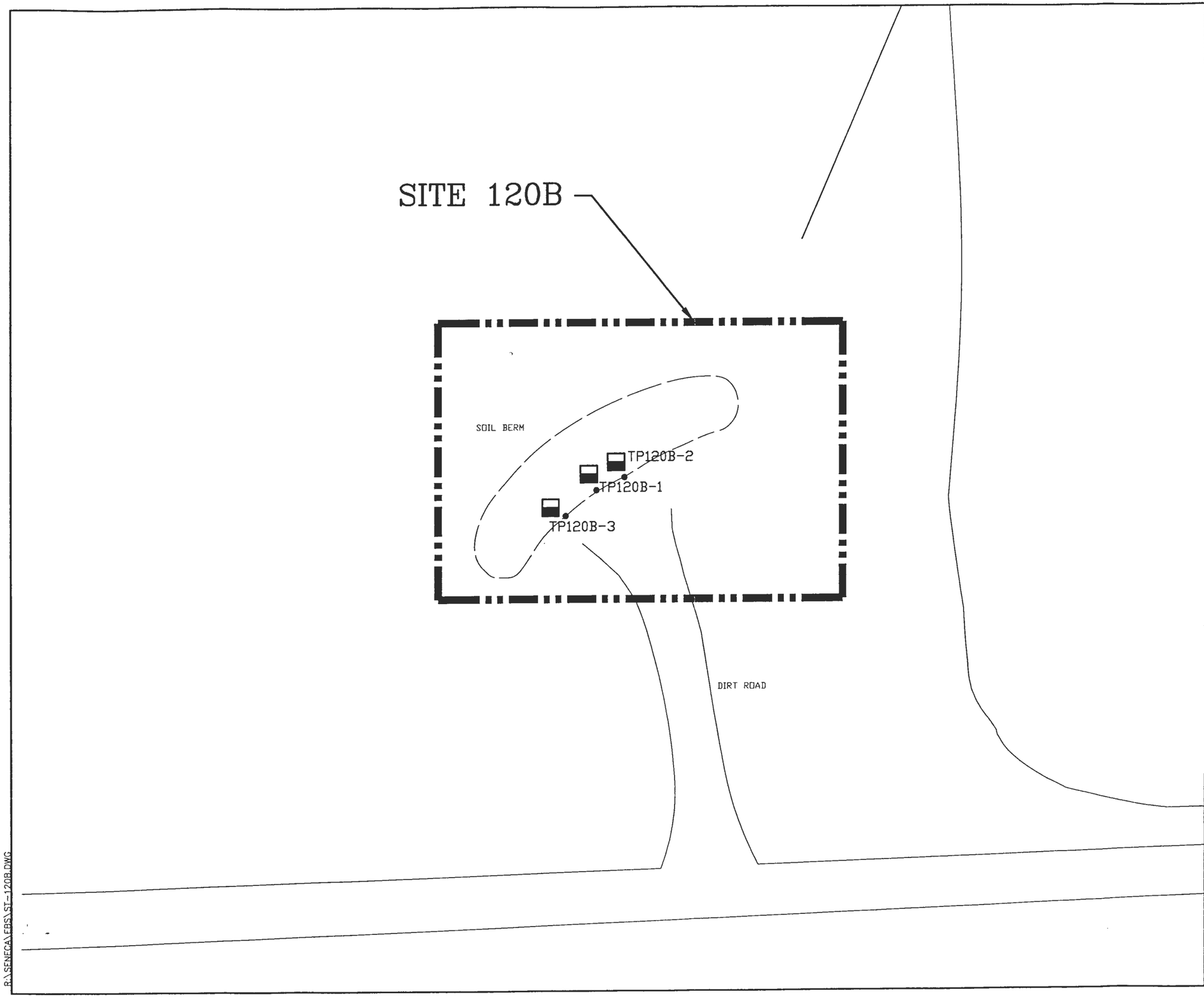
SENECA ARMY DEPOT ACTIVITY
ENVIRONMENTAL BASELINE SURVEY
INVESTIGATION OF NON-EVALUATED SITES

FIGURE 4-9
IN PHASE RESPONSE AT
EBS SITE 120A, AREA 6, 50 AREA
DUMPING AREAS.

SCALE:

DATE
APRIL 1998

SHEET NO



N

LEGEND:

TP120A-1 TEST PIT

TARGET MOUNTING FRAME SUPPORT POST

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)

-50 0 50

SCALE: 1" = 50'

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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 5-1

SITE FEATURES AND SAMPLE LOCATIONS AT EBS
SITE 120B OVID ROAD SMALL ARMS RANGE

SCALE 1" = 50' | DATE 04/24/98 | REV NA

R:\SENECA\EBS\ST-120B.DWG

98(6)PS/PR/HS/HR

123Q-RD

SITE 120C

813 814 815 816 817

SERVICE ROAD NO. 1

SERVICE ROAD NO. 1

SERVICE ROAD NO. 2

SERVICE ROAD NO. 3

825 806 807

R:\SENECA\EBS\ST-120C.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

8-190-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)

-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

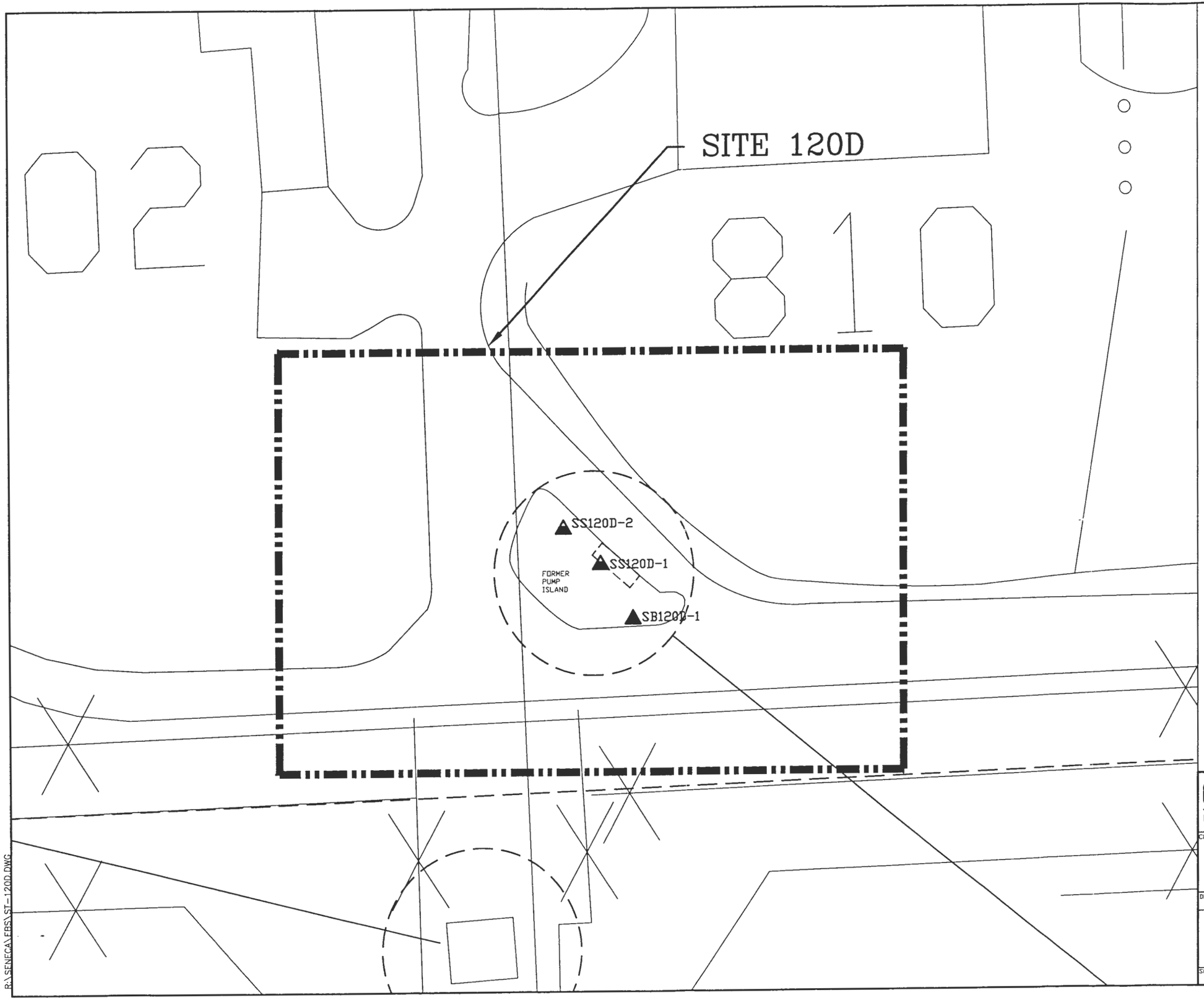
DEPT.	Dwg. No.
ENVIRONMENTAL ENGINEERING	733193-01001

FIGURE 6-1

SITE FEATURES AT EBS SITE 120C

BLDG.813-817 PAINTS AND SOLVENT DISPOSAL AREA

SCALE	DATE	REV.
1" = 200'	04/24/98	NA



N

LEGEND:

SB123B-1 — SOIL BORING

SS123B-1 — SURFACE SOIL SAMPLE

FORMERLY 2,000 GAL. UNDERGROUND STORAGE TANK

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)

50 0 50

SCALE: 1" = 50'

PARSONS

PARSONS ENGINEERING SCIENCE, INC.

CLIENT/PROJECT TITLE

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

DEPT. ENVIRONMENTAL ENGINEERING | D*G. No.

FIGURE 7-1

SITE FEATURES AND SAMPLE LOCATIONS AT EBS SITE 120D MP REFUELING ISLAND IN THE Q

SCALE 1" = 50' | DATE 04/24/98 | REV NA

SITE 120E

2131

BOOSTER STATION 2131

SB120E-1

SD120E-1

SD120E-2

SD120E-3

KENDALL

WEST PATROL ROAD

614

610

614

610

614

N

LEGEND:

SB120E-1 — SOIL BORING

SD120E-1 — SEDIMENT SAMPLE

EXTENT OF EM-31 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

8-19Q-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)

-50 0 50

SCALE: 1" = 50'

PARSONS

PARSONS ENGINEERING SCIENCE, INC.

CLIENT/PROJECT TITLE

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

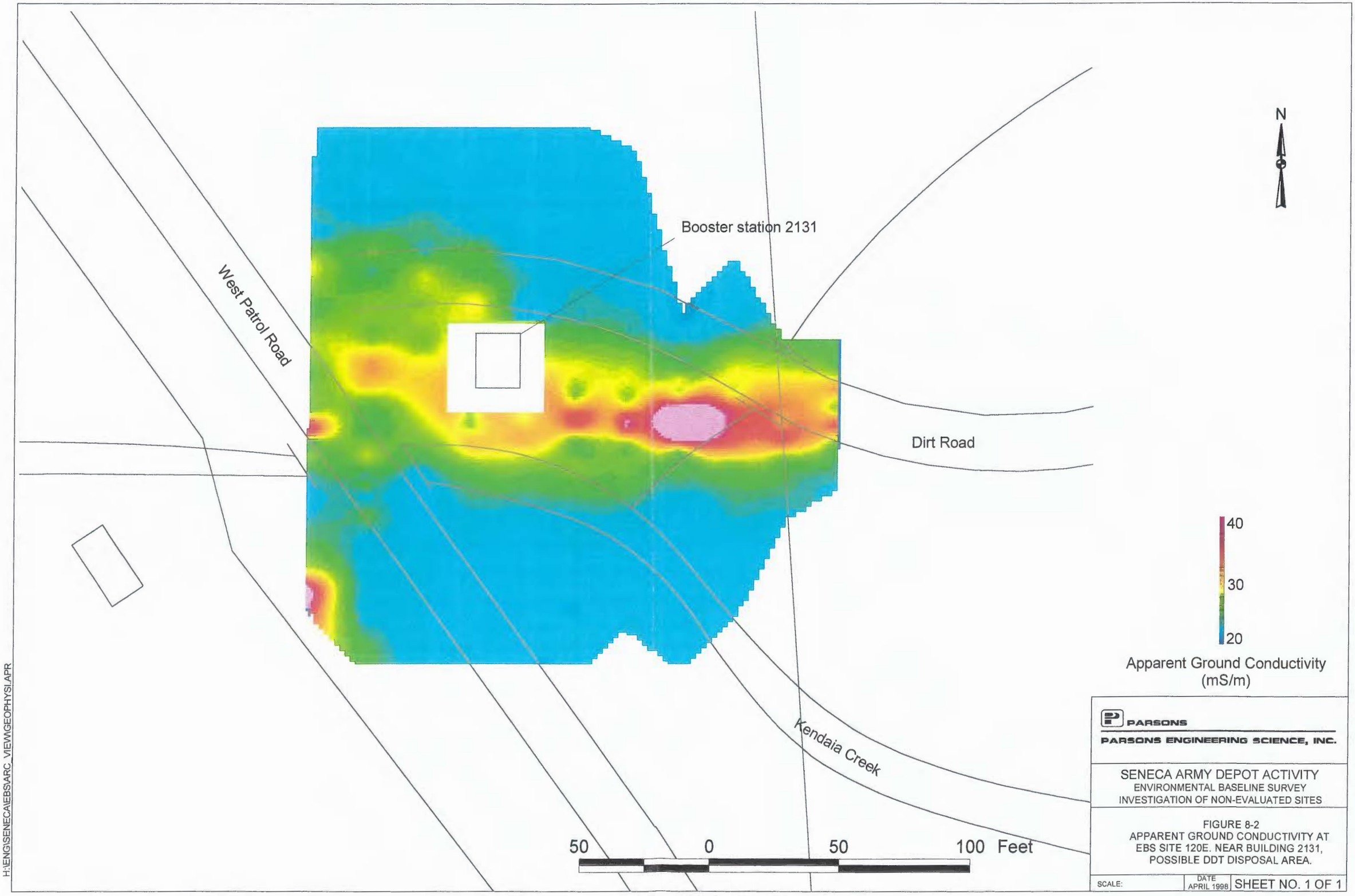
DEPT.	Dwg. No.
ENVIRONMENTAL ENGINEERING	733193-01001

FIGURE 8-1

SITE FEATURES, SAMPLE LOCATIONS, & GEOPHYSICAL GRID AT EBS SITE 120E NEAR BLDG 2131, POSSIBLE DDT DISPOSAL

SCALE	DATE	REV
1" = 50'	04/24/98	NA

R:\SENECA\EBS\ST-120E.DWG



H:\ENG\SENECA\EBS\ARC_VIEW\GEOPHYSI.APR

PARSONS

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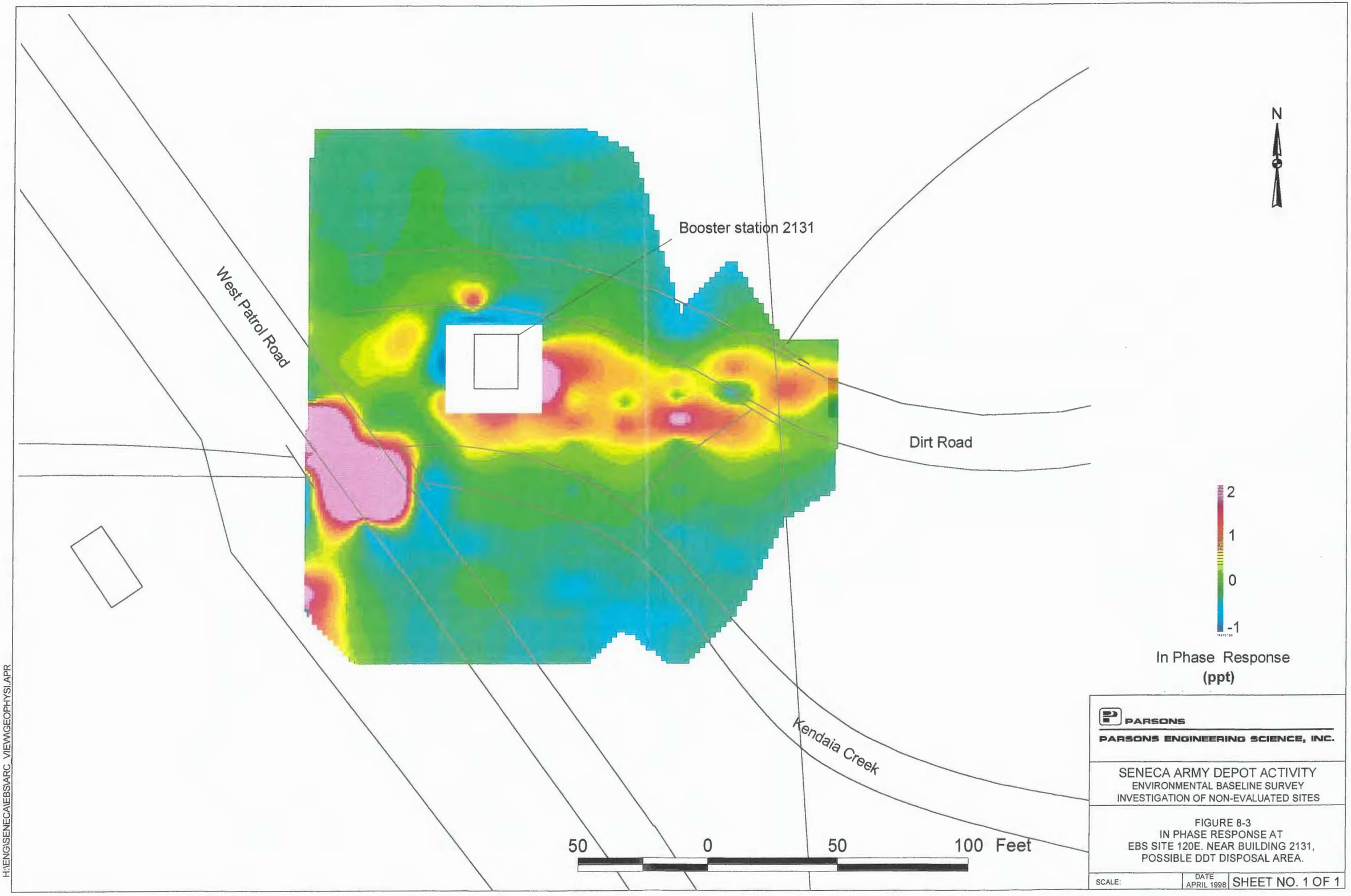
SENECA ARMY DEPOT ACTIVITY
ENVIRONMENTAL BASELINE SURVEY
INVESTIGATION OF NON-EVALUATED SITES

FIGURE 8-2
APPARENT GROUND CONDUCTIVITY AT
EBS SITE 120E. NEAR BUILDING 2131,
POSSIBLE DDT DISPOSAL AREA.

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



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

FIGURE 8-3
IN PHASE RESPONSE AT
EBS SITE 120E. NEAR BUILDING 2131,
POSSIBLE DDT DISPOSAL AREA.

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

H:\ENG\SENECA\EBS\ARC_VIEW\GEOPHYSI.APR

E0809
E0709
E0808
E0708
E0807
E0707
E0806
E0706
E0805
E0705
E0804
E0704
E0803
E0703
SILVER CREEK
117Q-X
SITE 120F
2086
DVID ROAD
2073
S-2085
2077
2076
2078
S-2084
2079
2081

N

LEGEND:

EXTENT OF EM-31 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

8-19Q-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)

-300 0 300

SCALE: 1" = 300'

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 9-1

SITE FEATURES AND GEOPHYSICAL GRID AT EBS SITE 120F
MUNITIONS BURIAL SITES SOUTH END OF THE MAIN DEPOT

SCALE 1" = 300' | DATE 04/24/98 | REV NA

R:\SENECA\EBS\ST-120F.DWG

E0803

E0804

E0805

E0806

E0807

N

Bldg 2076

Bldg 2079

Bldg 2078

Bldg 2073

Silver Creek

40

30

20

Apparent Ground Conductivity
(mS/m)

200 0 200 400 Feet

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

FIGURE 9-2
APPARENT GROUND CONDUCTIVITY AT
EBS SITE 120F. MUNITIONS BURIAL
SITES, SOUTH END OF MAIN DEPOT.

SCALE:

DATE
APRIL 1998

SHEET NO. 1 OF 1

H:\ENG\SENECA\EBS\ARC_VIEW\GEOPHYSI.APR

E0803

E0804

E0805

E0806

E0807

N

Bldg 2076

Bldg 2079

Bldg 2078

Bldg 2073

Silver Creek

2

1

0

-1

In Phase Response
(ppt)

200 0 200 400 Feet

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

FIGURE 9-3
IN PHASE RESPONSE AT
EBS SITE 120F. MUNITIONS BURIAL
SITES, SOUTH END OF MAIN DEPOT.

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

H:\ENG\SENECA\EBS\ARC_VIEW\GEOPHYSI.APR

SITE 120G

122Q-X

110(7)

97(6)HR(P)

96(6)HR(P)

98(6)PS/PR/HS/HR

123Q-RD

112(7)

111(7)

HR

PS

99(6)PS/PR

TP120G-1

TP120G-2

TP120G-3

TP120G-4

TP120G-5

KENDIG CREEK

POND

FAYETTE ROAD

REEDER CREEK

SERVICE ROAD NO. 1

SERVICE ROAD NO. 2

PATROL ROAD

NORTH PATROL ROAD

IGLOO ROAD NO. 1

IGLOO ROAD NO. 2

IGLOO ROAD NO. 4

IGLOO ROAD NO. 5

LEGEND:

TP120G-1 TEST PIT

BRAC PARCEL LABEL DEFINITIONS

8(2)PS

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

NON-CERCLA ISSUE (QUALIFIED) LABEL DEFINITIONS

8-190-A(P)

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

-900 0 900

SCALE: 1" = 900'

PARSONS

PARSONS ENGINEERING SCIENCE, INC.

CLIENT/PROJECT TITLE

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

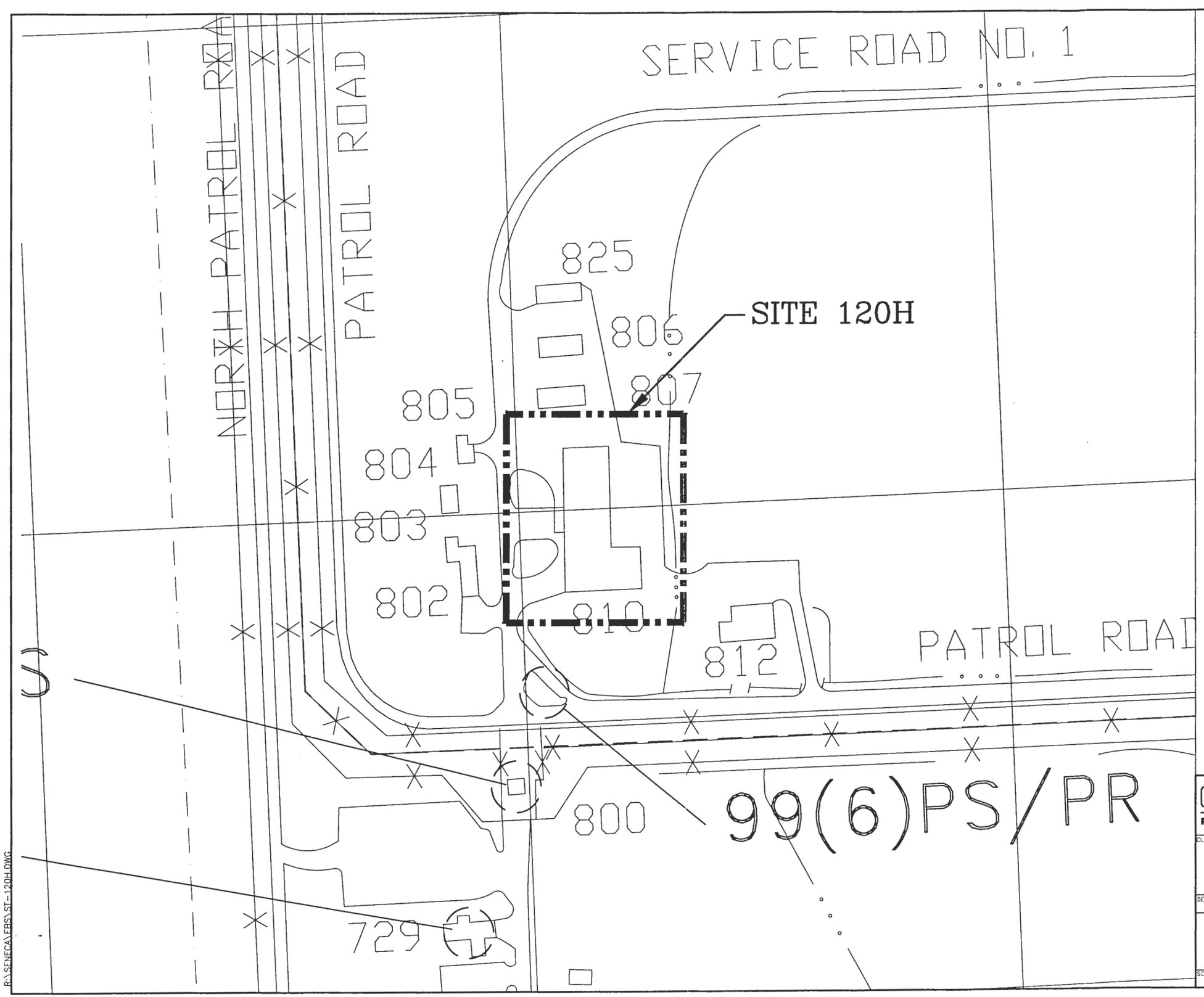
DEPT. ENVIRONMENTAL ENGINEERING | Dwg. No.

FIGURE 10-1

SITE FEATURES AND SAMPLE LOCATIONS AT EBS
SITE 120G MOUNDS AT THE DUCK POND

SCALE 1" = 900' | DATE 04/24/98 | REV NA

R:\SENECA\EBS\ST-120G.DWG



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)

- 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

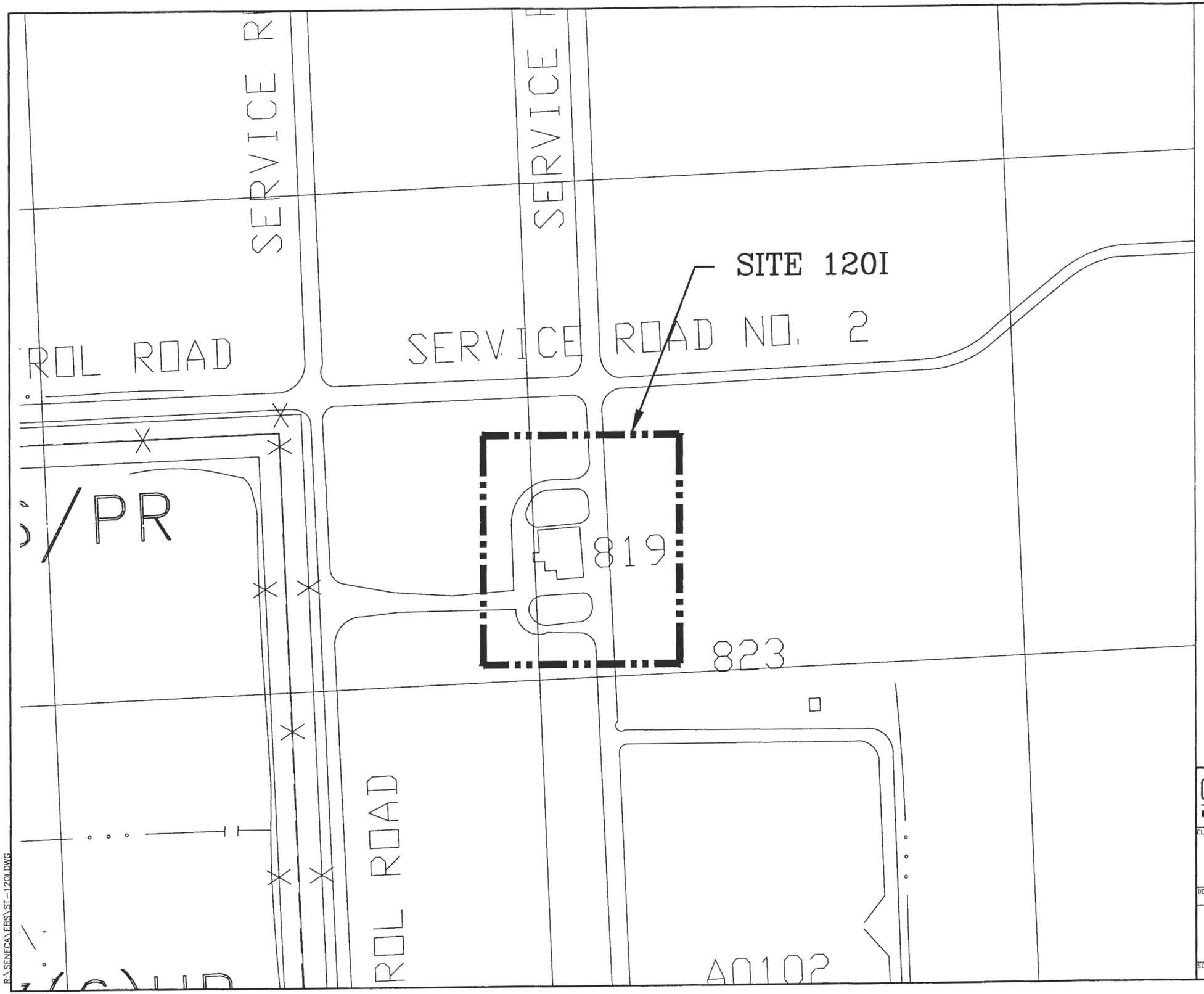
SENECA ARMY DEPOT ACTIVITY
ENVIROMENTAL BASELINE SURVEY
INVESTIGATION OF NON-EVALUATED SITES

DEPT.	Dwg. No.
ENVIRONMENTAL ENGINEERING	

FIGURE 11-1
SITE FEATURES AT EBS SITE 120H
BUILDING 810

SCALE	DATE	REV
1" = 200'	04/24/98	NA

R:\SENECA\EBS\ST-120H.DWG



N

BRAC PARCEL LABEL DEFINITIONS

8(2)PS

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

NON-CERCLA ISSUE (QUALIFIED) LABEL DEFINITIONS

8-19Q-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)
- QUALIFIED
- FACILITY NUMBER (IF APPLICABLE)
- PARCEL NUMBER

-200 0 200

SCALE: 1" = 200'

PARSONS

PARSONS ENGINEERING SCIENCE, INC.

CLIENT/PROJECT TITLE

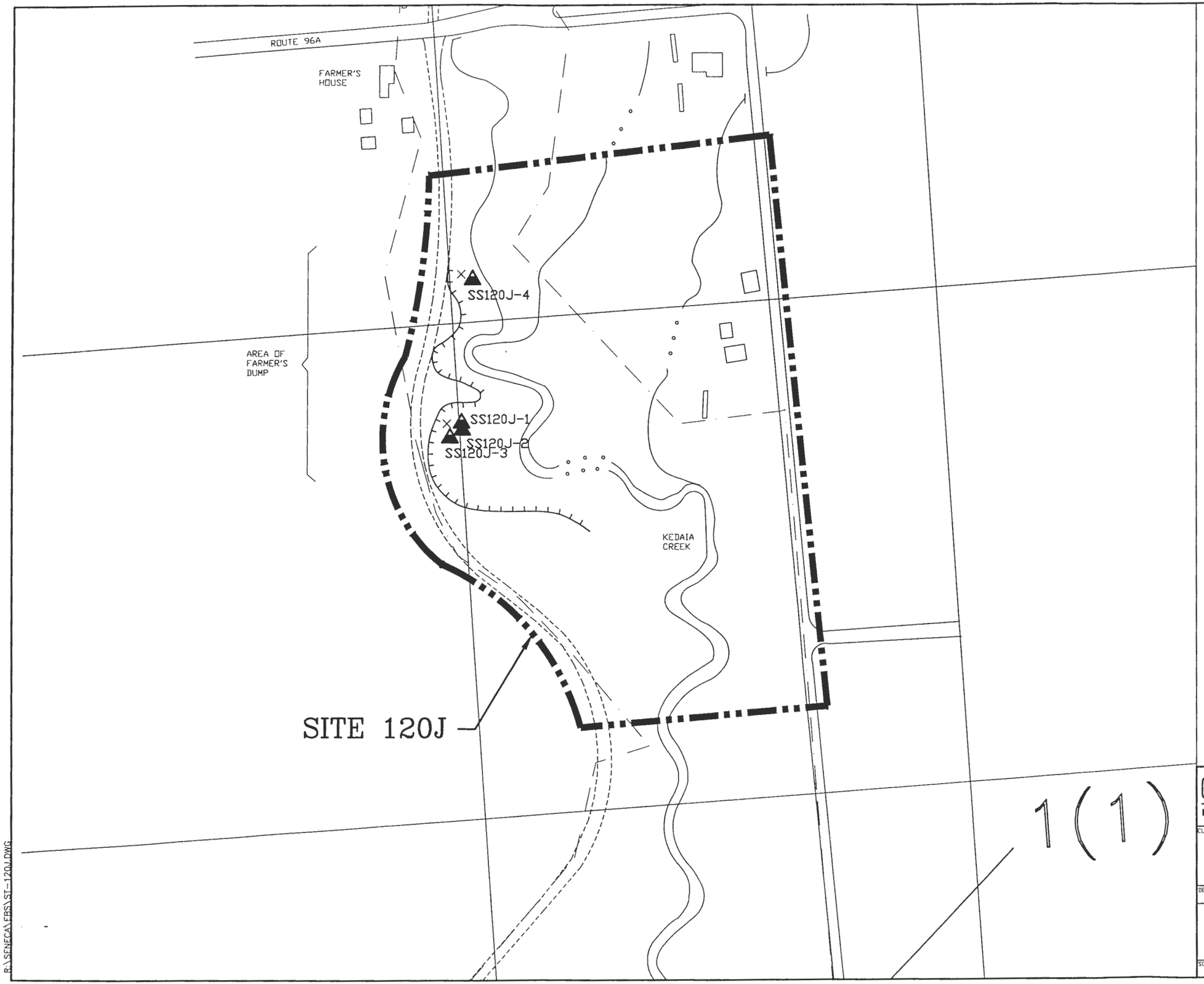
SENECA ARMY DEPOT ACTIVITY
ENVIROMENTAL BASELINE SURVEY
INVESTIGATION OF NON-EVALUATED SITES

DEPT. ENVIRONMENTAL ENGINEERING | Dwg. No.

FIGURE 12-1

SITE FEATURES AT EBS SITE 120I
BUILDING 819, A0101 AND A0102

SCALE 1" = 200' | DATE 04/24/98 | REV NA



N

LEGEND:

× DEBRIS PILE

UP DOWN ESCARPMENT

DIRT ROAD

SS120J-1 SURFACE SOIL SAMPLE

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 13-1
SITE FEATURES AND SAMPLE LOCATIONS
AT EBS SITE 120J FARMER'S DUMP

SCALE 1" = 200' | DATE 04/24/98 | REV NA

R:\SENECA\EBS\ST-120J.DWG

PARSONS ENGINEERING SCIENCE, INC.
TEST PIT RECORD

Project Name:	Seneca EBS Non-evaluated Sites
Project Number:	733193-01001
Date / Time Start:	3/30/98 1450
Date / Time Finish:	3/30/98 1530
Weather:	
Contractor:	Nothnagle Drilling Inc.
Inspector(s):	ITR

TEST PIT NO. TP120A-1

Location: SEAD-120

DEPTH (ft bgs)	Stratigraphy	Macro	FIELD IDENTIFICATION OF MATERIAL	COMMENTS
1 2 3 4			Green to light brown, Silt, some Clay, little fine to coarse Gravel, moist roots in top 0-6".	
5 6 7 8 9 10				

EXCAVATION DIMENSIONS: (Length X Width X Depth) 6.2' x 2' x 4'

AIR MONITORING DATA: Background OVM Reading: 0.0 ppm

Maximum Breathing Zone OVM Reading: 0.0 ppm

TIME	SAMPLE I.D.	LOCATION
1500	EB155	.5' from top of mound. 0-.6" deep
1510	EB156	2.5' from top of mound. 2-2.5' 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:	3/31/98 0810
Date / Time Finish:	3/31/98 0835
Weather:	
Contractor:	Nothnagle Drilling Inc.
Inspector(s):	ITR

TEST PIT NO. TP120A-2

Location: SEAD-120

DEPTH (ft bgs)	Stratigraphy	Macro	FIELD IDENTIFICATION OF MATERIAL	COMMENTS
1 2 3 4	FILL		Dark brown, SAND, little Gravel, some Clay, moist, debris (glass, metal).	Building material debris found, concrete, glass, metal, water pump handle.
5 6 7 8 9 10				

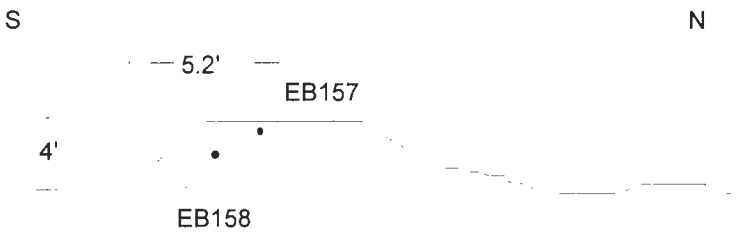
EXCAVATION DIMENSIONS: (Length X Width X Depth) 5.2' x 2' x 4'

AIR MONITORING DATA: Background OVM Reading: 0.0 ppm

Maximum Breathing Zone OVM Reading: 0.0 ppm

TIME	SAMPLE I.D.	LOCATION
0810	EB157	.5' from top of mound. 0-.6" deep
0835	EB158	2.5' from top of mound. 2-2.5' 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: 3/31/98 0810
Date / Time Finish: 3/31/98 0835
Weather:
Contractor: Nothnagle Drilling Inc.
Inspector(s): ITR

TEST PIT NO. TP120A-3
Location: SEAD-120

DEPTH (ft bgs)	Stratigraphy	Macro	FIELD IDENTIFICATION OF MATERIAL	COMMENTS
1 2 3 4			Gray to brown CLAY, little coarse Gravel, moist, roots in top 0-6".	
5 6 7 8 9 10				

EXCAVATION DIMENSIONS: (Length X Width X Depth) 5.2' x 2' x 4'
AIR MONITORING DATA: Background OVM Reading: 0.0 ppm
Maximum Breathing Zone OVM Reading: 0.0 ppm

TIME	SAMPLE I.D.	LOCATION
1350	EB159	1' from top of mound. 0-.6" deep
1400	EB160	2' from top of mound. 2-2.5' 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: 3/31/98 0810
Date / Time Finish: 3/31/98 0835
Weather:
Contractor: Nothnagle Drilling Inc.
Inspector(s): ITR

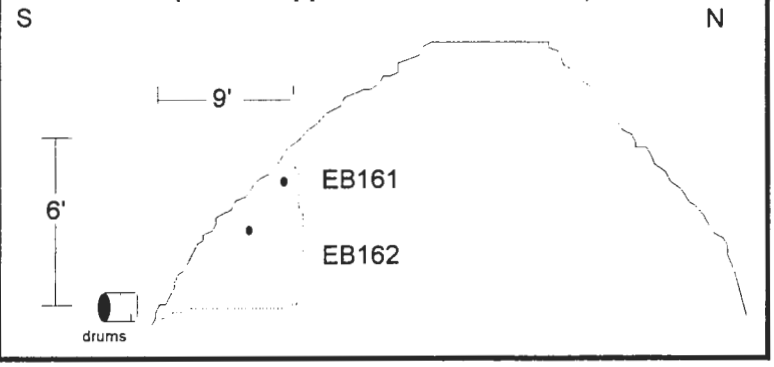
TEST PIT NO. TP120A-4
Location: SEAD-120

DEPTH (ft bgs)	Stratigraphy	Macro	FIELD IDENTIFICATION OF MATERIAL	COMMENTS
1 2 3 4	FILL		Greenish brown to dark brown, SILT and CLAY, some coarse Gravel, very little cobbles, moist.	Empty drums and drum pieces were located at base of mound.
5 6 7 8 9 10				

EXCAVATION DIMENSIONS: (Length X Width X Depth) 9' x 2' x 6'
AIR MONITORING DATA: Background OVM Reading: 0.0 ppm
Maximum Breathing Zone OVM Reading: 0.0 ppm

TIME	SAMPLE I.D.	LOCATION
1220	EB161	1' from top of pit. 0-.6" deep
1240	EB162	3' from top of pit. 2-2.5' 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:	3/30/98 1025
Date / Time Finish:	3/30/98 1100
Weather:	
Contractor:	Nothnagle Drilling Inc.
Inspector(s):	ITR

TEST PIT NO. TP120A-5

Location: SEAD-120

DEPTH (ft bgs)	Stratigraphy	Macro	FIELD IDENTIFICATION OF MATERIAL	COMMENTS
1 2 3 4	FILL		Brown to dark brown, CLAY and SAND, little coarse gravel, moist.	
5 6 7 8 9 10				

EXCAVATION DIMENSIONS: (Length X Width X Depth) 9' x 2' x 6'

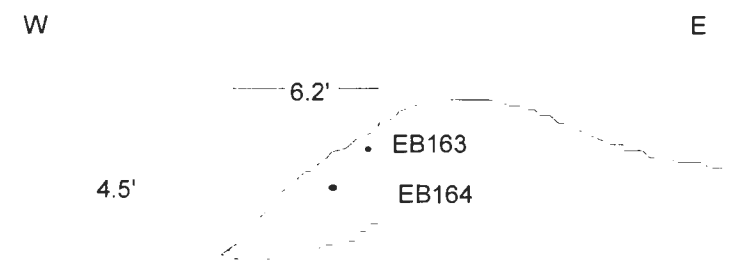
AIR MONITORING DATA: Background OVM Reading: 0.0 ppm

Maximum Breathing Zone OVM Reading: 0.0 ppm

TIME	SAMPLE I.D.	LOCATION
1030	EB163	0.6' from top of pit. 0-.6" deep
1040	EB164	1.8' from top of pit. 1-1.2' 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:	3/31/98 1055
Date / Time Finish:	3/31/98 1130
Weather:	
Contractor:	Nothnagle Drilling Inc.
Inspector(s):	ITR

TEST PIT NO. TP120B-1
Location: SEAD-120

DEPTH (ft bgs)	Stratigraphy	Macro	FIELD IDENTIFICATION OF MATERIAL	COMMENTS
1 2 3 4	FILL		Greenish brown, SILT and Clay, very little fine to coarse Gravel, moist.	Small arms bullets of various cal. were lodged in mound.
5 6 7 8 9 10				

EXCAVATION DIMENSIONS: (Length X Width X Depth) 7' x 2' x 4'
AIR MONITORING DATA: Background OVM Reading: 0.0 ppm
Maximum Breathing Zone OVM Reading: 0.0 ppm

TIME	SAMPLE I.D.	LOCATION
1100	EB165	3' from top of pit. 0-.6" deep
1125	EB166	4' from top of pit. 2-2.2' 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: 3/31/98 1145
Date / Time Finish: 3/31/98 1210
Weather:
Contractor: Nothnagle Drilling Inc.
Inspector(s): ITR

TEST PIT NO. TP120B-2
Location: SEAD-120

DEPTH (ft bgs)	Stratigraphy	Macro	FIELD IDENTIFICATION OF MATERIAL	COMMENTS
1 2 3 4	FILL		Greenish brown, SILT and Clay, very little fine to coarse Gravel, moist.	Small arms bullets of various cal. were lodged in mound.
5 6 7 8 9 10				

EXCAVATION DIMENSIONS: (Length X Width X Depth) 6.8' x 2' x 3.5'
AIR MONITORING DATA: Background OVM Reading: 0.0 ppm
Maximum Breathing Zone OVM Reading: 0.0 ppm

TIME	SAMPLE I.D.	LOCATION
1200	EB167	3.5' from top of pit. .8-1' deep
1210	EB168	4' from top of pit. 2-2.2' 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:	3/31/98 1300
Date / Time Finish:	3/31/98 1400
Weather:	
Contractor:	Nothnagle Drilling Inc.
Inspector(s):	ITR

TEST PIT NO. TP120B-3

Location: SEAD-120

DEPTH (ft bgs)	Stratigraphy	Macro	FIELD IDENTIFICATION OF MATERIAL	COMMENTS
1 2 3 4	FILL		Greenish brown, SILT and Clay, very little fine to coarse Gravel, moist.	Small arms bullets of various cal. were lodged in mound.
5 6 7 8 9 10				

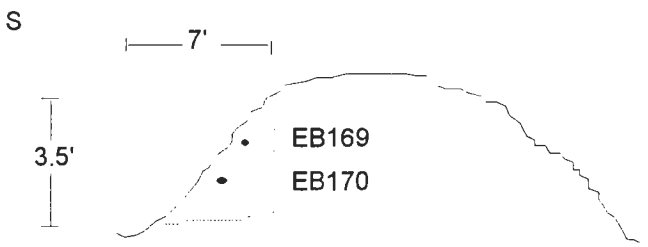
EXCAVATION DIMENSIONS: (Length X Width X Depth) 7' x 2' x 3.5

AIR MONITORING DATA: Background OVM Reading: 0.0 ppm

Maximum Breathing Zone OVM Reading: 0.0 ppm

TIME	SAMPLE I.D.	LOCATION
1305	EB169	0' from top of pit. 1-1.5' deep
1310	EB170	3.5' from top of pit. 2.2-3' 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:	5/3/98 1510
Date / Time Finish:	5/3/98 1600
Weather:	
Contractor:	Nothnagle Drilling Inc.
Inspector(s):	DRG, KKS

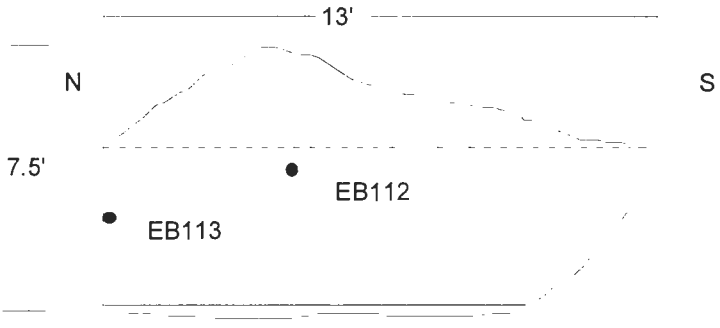
TEST PIT NO. TP120G-1
Location: SEAD-120

DEPTH (ft bgs)	Stratigraphy	Macro	FIELD IDENTIFICATION OF MATERIAL	COMMENTS
1 2 3 4 5 6 7	FILL		Light brown, SILT and fine Sand, little coarse Sand and fine Gravel, trace coarse Gravel, trace cobbles, moist. 7.0'	
8 9 10	TILL		Light, reddish brown, SILT and CLAY, trace fine Sand, trace coarse Sand, wet. 7.5'	No man-made debris or staining.

EXCAVATION DIMENSIONS: (Length X Width X Depth) 13' x 3' x 7.5'
AIR MONITORING DATA: Background OVM Reading: 0.0 ppm
Maximum Breathing Zone OVM Reading: 0.0 ppm

TIME	SAMPLE I.D.	LOCATION
1540	EB112	5.0' south of north end. 0.5' deep.
1550	EB113	directly below north end. 2.0' 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:	6/3/98 1010
Date / Time Finish:	6/3/98 1040
Weather:	
Contractor:	Nothnagle Drilling Inc.
Inspector(s):	MW

TEST PIT NO. TP120G-2

Location: SEAD-120

DEPTH (ft bgs)	Stratigraphy	Macro	FIELD IDENTIFICATION OF MATERIAL	COMMENTS
1 2 3 4	FILL		Dark brown, SILT, some+ Clay, trace fine Sand, trace fine to coarse Gravel, moist. 4.7'	Native soil appears wet at bottom of trench.
5 6 7 8 9 10				

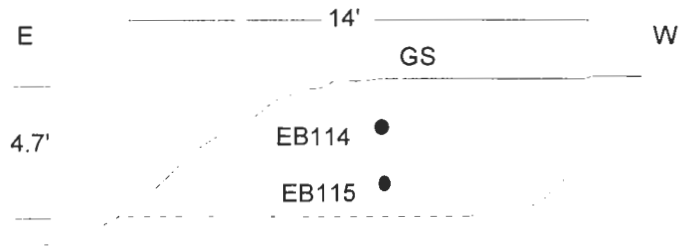
EXCAVATION DIMENSIONS: (Length X Width X Depth) 14' x 3' x 4.7'

AIR MONITORING DATA: Background OVM Reading: 0.0 ppm

Maximum Breathing Zone OVM Reading: 0.0 ppm

TIME	SAMPLE I.D.	LOCATION
1015	EB114	south side 1.5' deep
1030	EB115	south side 3.0'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:	3/9/98 1445
Date / Time Finish:	3/9/98 1500
Weather:	
Contractor:	Nothnagle Drilling Inc.
Inspector(s):	MW

TEST PIT NO. TP120G-3
Location: SEAD-120

DEPTH (ft bgs)	Stratigraphy	Macro	FIELD IDENTIFICATION OF MATERIAL	COMMENTS
1 2 3	FILL		Olive gray, SILT, trace coarse Sand, little fine Gravel (Sand and Gravel are Slate chips), moist.	
4 5 6 7 8 9 10				

EXCAVATION DIMENSIONS: (Length X Width X Depth) Hand auger was used.
AIR MONITORING DATA: Background OVM Reading: 0.0 ppm
Maximum Breathing Zone OVM Reading: 0.0 ppm

TIME	SAMPLE I.D.	LOCATION
1445	EB135	1' deep
1550	EB136	2' deep

CROSS SECTION
(Include approximate dimensions)

(Hand Auger was used, no cross-section.)

PARSONS ENGINEERING SCIENCE, INC.
TEST PIT RECORD

Project Name:	Seneca EBS Non-evaluated Sites
Project Number:	733193-01001
Date / Time Start:	6/3/98 1310
Date / Time Finish:	6/3/98 1450
Weather:	
Contractor:	Nothnagle Drilling Inc.
Inspector(s):	MW

TEST PIT NO. TP120G-4

Location: SEAD-120

DEPTH (ft bgs)	Stratigraphy	Macro	FIELD IDENTIFICATION OF MATERIAL	COMMENTS
1 2 3 4 5 6 7	FILL		Dark brown, SILT, some- clay, trace+ fine to coarse Sand, fine Gravel to 18" Boulders, moist, roots in upper 6".	No debris observed in mound.
8 9 10				

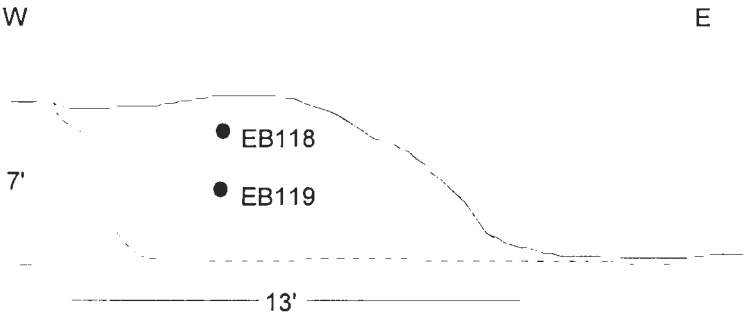
EXCAVATION DIMENSIONS: (Length X Width X Depth) 13' x 3' x 7'

AIR MONITORING DATA: Background OVM Reading: 0.0 ppm

Maximum Breathing Zone OVM Reading: 0.0 ppm

TIME	SAMPLE I.D.	LOCATION
1345	EB118	south side 18" deep
1420	EB119	south side 3.5' 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:	6/3/98 1540
Date / Time Finish:	6/3/98 1635
Weather:	
Contractor:	Nothnagle Drilling Inc.
Inspector(s):	MW

TEST PIT NO. TP120G-5

Location: SEAD-120

DEPTH (ft bgs)	Stratigraphy	Macro	FIELD IDENTIFICATION OF MATERIAL	COMMENTS
1 2 3	FILL		Dark brown, SILT, little Clay, trace fine Sand, moist.	Observed piece of metal banding in top of mound. Also, there are at least 20 large boulders (up to 4' in diameter) in the mound.
4 5 6 7 8 9 10			Greenish gray, to reddish orange, SILT and Clay, moist to wet.	

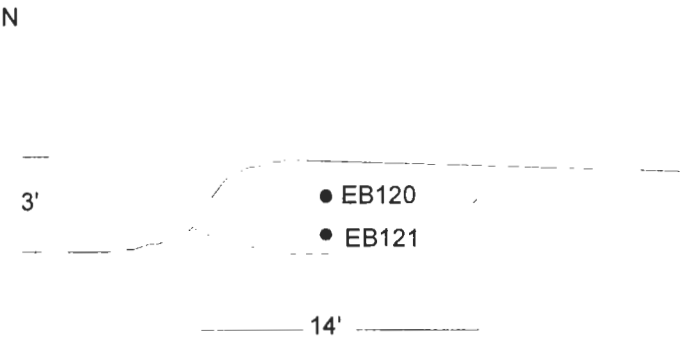
EXCAVATION DIMENSIONS: (Length X Width X Depth) 14' x 3' x 3'

AIR MONITORING DATA: Background OVM Reading: 0.0 ppm

Maximum Breathing Zone OVM Reading: 0.0 ppm

TIME	SAMPLE I.D.	LOCATION
1550	EB120	east side. 1' deep
1555	EB121	east side 3.5' deep

CROSS SECTION
(Include approximate dimensions)



LOG OF BORING 68-1

PROJECT: Seneca Non-evaluated EBS Sites
PROJECT LOCATION: Seneca Army Depot, Romulus, New York
ASSOCIATED AREA/UNIT: SEAD 68
PROJECT NO: 733193-01001
DATE STARTED: 16/03/98
DATE COMPLETED: 16/03/98
DRILLING CONTRACTOR: Nothnagle
DRILLING METHOD: HSA 8"
SAMPLING METHOD: Split Spoon

TOTAL DEPTH: 4.8
DEPTH TO WATER:
BORING LOCATION: 751298.2143 ft NORTH
995650.4533 ft EAST
COORDINATE SYSTEM: NAD83
GROUND SURFACE ELEVATION: 744.1963 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	
EB250	4 8 4 1	1.1	0	0 0.3 1 1.1		Light brown, fine to coarse GRAVEL, little fine to coarse Sand, trace+ Silt, wet. Olive gray, fine to coarse GRAVEL, little fine to coarse Sand, moist.	GW
				2		No Recovery.	
	4 8 9 4	0.9	0	2 2.9		Light brown to olive gray, fine to coarse GRAVEL, some- fine to coarse Sand, trace Silt, moist to wet.	GW
				3		No Recovery.	
	15 100/.2	0.6	0	4 4.6		Olive gray, fine to coarse GRAVEL, some fine to coarse Sand, trace Silt, moist.	GW
EB251			0			Auger Refusal, at 4.8'	

NOTES:

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

LOG OF BORING 68-1

LOG OF BORING 68-2

PROJECT: Seneca Non-evaluated EBS Sites
PROJECT LOCATION: Seneca Army Depot, Romulus, New York
ASSOCIATED AREA/UNIT: SEAD 68
PROJECT NO: 733193-01001
DATE STARTED: 16/03/98
DATE COMPLETED: 16/03/98
DRILLING CONTRACTOR: Nothnagle
DRILLING METHOD: HSA 8"
SAMPLING METHOD: Split Spoon

TOTAL DEPTH: 4.5
DEPTH TO WATER:
BORING LOCATION: NORTH
EAST
COORDINATE SYSTEM:
GROUND SURFACE ELEVATION:
ELEVATION DATUM:
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	
EB248	18 27 32 32	1.6	0	0 0.4 1 1.6		Olive gray, fine to coarse SAND, little+ fine Gravel, trace Silt, wet.	SW
						Olive gray, fine to coarse GRAVEL, some+ fine to coarse Sand, trace Silt, moist.	
				2		No Recovery.	
	38/100.3	0.7	0	2.7		Olive gray, fine to coarse, GRAVEL, some+ fine to coarse, Sand, trace Silt, moist.	GW
				3		No Recovery.	
EB249	100/.5	0 4	0	4 4.4 4 5		Olive gray, fine to coarse GRAVEL, some+ fine to coarse, Sand, trace Silt,moist. No Recovery. Auger Refusal at 4.5'.	GW

NOTES:

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

LOG OF BORING 68-2

LOG OF BORING 120D-1

PROJECT: Seneca Non-evaluated EBS Sites
PROJECT LOCATION: Seneca Army Depot, Romulus, New York
ASSOCIATED AREA/UNIT: SEAD 120
PROJECT NO: 733193-01001
DATE STARTED: 17/03/98
DATE COMPLETED: 17/03/98
DRILLING CONTRACTOR: Nothnagle
DRILLING METHOD: HSA 8"
SAMPLING METHOD: Split Spoon

TOTAL DEPTH: 11.4
DEPTH TO WATER: 8.3
BORING LOCATION: 743060.6715 ft NORTH
1015618.692 ft EAST
COORDINATE SYSTEM: NAD83
GROUND SURFACE ELEVATION: 635.2835 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	
EB258	8	1.3	0	0		Olive gray, fine to coarse SAND, little fine Gravel, trace Silt, wet.	SW
	9			0.3		Olive gray, SILT, trace +fine to coarse Gravel, trace fine to coarse Sand, moist.	
	10			1			
	18			1.3		No Recovery.	
				2			
	8	1.4	0			Olive Gray, fine to coarse GRAVEL, little+ Silt, little- fine to coarse Sand, moist.	GM
	15			3			
	16			3.4		No Recovery.	
	15			4			
	20	2	0			Olive gray, SILT, little -fine to coarse Gravel, trace- fine to coarse Sand, moist.	ML
	24			5			
	50						
	100/.5			6			
	7	1.7	0			Olive gray, SILT, some+ fine to coarse Gravel, trace fine to coarse Sand, moist.	ML
	19						
	40			7			
EB259	85		0				
				7.7		No Recovery	
	18	2	0	8		Dark gray, SILT, some fine to coarse Gravel, trace fine to coarse Sand, saturated.	ML
	33						
	53						
	50			9			
				9.2		Dark gray, SHALE bedrock, fractured.	

NOTES:

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

LOG OF BORING 120D-1

LOG OF BORING 120D-1

PROJECT: Seneca Non-evaluated EBS Sites
PROJECT LOCATION: Seneca Army Depot, Romulus, New York
ASSOCIATED AREA/UNIT: SEAD 120
PROJECT NO: 733193-01001
DATE STARTED: 17/03/98
DATE COMPLETED: 17/03/98
DRILLING CONTRACTOR: Nothnagle
DRILLING METHOD: HSA 8"
SAMPLING METHOD: Split Spoon

TOTAL DEPTH: 11.4
DEPTH TO WATER: 8.3
BORING LOCATION: 743060.6715 ft NORTH
1015618.692 ft EAST
COORDINATE SYSTEM: NAD83
GROUND SURFACE ELEVATION: 635.2835 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	
	50 100/.1	0.4	0	10 11 11.4		Dark gray, SHALE bedrock, fractured. Auger Refusal at 11.4'.	

NOTES:

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

LOG OF BORING 120D-1

LOG OF BORING 120E-1

PROJECT: Seneca Non-evaluated EBS Sites
PROJECT LOCATION: Seneca Army Depot, Romulus, New York
ASSOCIATED AREA/UNIT: SEAD 120
PROJECT NO: 733193-01001
DATE STARTED: 17/03/98
DATE COMPLETED: 17/03/98
DRILLING CONTRACTOR: Nothnagle
DRILLING METHOD: HSA 8"
SAMPLING METHOD: Split Spoon

TOTAL DEPTH: 6.5
DEPTH TO WATER: 4
BORING LOCATION: 738814.9635 ft NORTH
999752.4051 ft EAST
COORDINATE SYSTEM: NAD83
GROUND SURFACE ELEVATION: 609.5927 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
EB267	10 18 38 18	1.3	0	0 1 1.3		Light brown, SILT, trace fine to coarse Gravel, trace -fine Sand, moist, roots in top 0.3.	ML
						No Recovery	
EB266	20 30 18 16	0.6	0 0	2 2.6 3		Light brown, SILT, little fine Gravel, trace -fine Sand, moist. Yellow and black staining, wire present, and rock jammed in bottom of split spoon. No Recovery.	ML
	19 65 100/.1	1	0	4 5		Olive gray, SILT, some -fine to coarse Gravel, little +fine to coarse Sand, saturated.	ML
				5.1		Shale. No Recovery.	
	100/ 4	0.3	0	6 6.3		Black SHALE bedrock, saturated.	
				6.5		No Recovery. Auger Refusal at 6.5'.	

NOTES:

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

LOG OF BORING 120E-1

Laboratory Qualifiers for Chemical Data

(not all qualifiers apply)

Organics Qualifiers (GC/HPLC)

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.
P	This flag is used for a pesticide/Aroclor target analyte when there is a greater than 25.0% difference for detected concentrations between the two analytical columns. The lower of the two values is reported on the Form I and flagged with a "P".
C	This flag applies to pesticide results where the identification has been confirmed by GC/MS.
B	This flag applies when the analyte is found in the associated method blank as well as in the sample. It indicates a possible/probable blank contamination and warns the data user to take appropriate action. On the samples get a "B" flag. The method blank does not.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor. This flag alerts the data users that any discrepancies between the concentrations reported for the dilutions may be due to dilution of the sample extract. It additionally indicates that spike recoveries may have been diluted below quantifiable levels.
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 for semivolatile reporting. 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.