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FUEL DISTRIBUTION SYSTEM CONTAMINATION ASSESSMENT REPORT ADDENDUM
VOLUME 1 OF 1 WITH TRANSMITTAL CNC CHARLESTON SC
6/7/2000
ENSAFE

FUEL DISTRIBUTION SYSTEM
CONTAMINATION ASSESSMENT REPORT ADDENDUM
CHARLESTON NAVAL COMPLEX
NORTH CHARLESTON, SOUTH CAROLINA

VOLUME I of I

CONTRACT N62467-89-D-0318
CTO-029

Prepared for:

Comprehensive Long-Term Environmental Action Navy (CLEAN)
Charleston Naval Complex
Charleston, South Carolina

Prepared by:

EnSafe Inc.
5724 Summer Trees Drive
Memphis, Tennessee 38134
(901)372-7962

June 7, 2000
Revision: 0

ENSAFE

ENSAFE INC

ENVIRONMENTAL AND MANAGEMENT CONSULTANTS

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April 21, 2000

Commander, Southern Division
Naval Facilities Engineering Command
Attn: Mr. Gabriel L. Magwood, Code 1849
2155 Eagle Drive, P.O. Box 190010
North Charleston, SC 29419-9010

RE: Contamination Assessment Report Addendum for the Fuel Distribution System, Charleston Naval Complex, Charleston, South Carolina

Dear Mr. Magwood:

EnSafe Inc. is pleased to submit one copy of the Draft-Final Contamination Assessment Report (CAR) Addendum for Areas 19 and 20 of the Fuel Distribution System (FDS) at Charleston Naval Complex, for your review and comment.

Should you have any questions or concerns regarding this Addendum please do not hesitate to contact me directly at (850) 434-2230. Thank you for the opportunity to assist with the assessment of these areas.

Sincerely,

ENSAFE INC.

Craig R. Smith
Project Manager

FUEL DISTRIBUTION SYSTEM
CONTAMINATION ASSESSMENT REPORT ADDENDUM
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1.0 INTRODUCTION

As part of the U.S. Navy Comprehensive Long-term Environmental Action Navy (CLEAN) Program, the following *Fuel Distribution System Contamination Assessment Report Addendum* has been prepared for the Fuel Distribution System (FDS) at Charleston Naval Complex (CNC). This addendum addresses FDS Areas 19 and 20, which were added to the scope of the FDS investigation in 1998, after the field investigation of FDS Areas 1 through 18 were complete. During 1999 and 2000, field investigations were conducted at Areas 19 and 20 to identify impacts to soil and groundwater, and to define the extent of free product contamination, if any, at these sites. Figure 1-1 presents the location of Areas 19 and 20 relative to the CNC.

The *Fuel Distribution System Contamination Assessment Report* (FDS CAR) (EnSafe, September 10, 1998) discusses the objectives, scope, methodology, history and physical setting for the FDS, which are applicable to the FDS Areas 19 and 20 assessment. This addendum describes the specific field investigations conducted, presents and discusses the analytical data collected, and makes appropriate recommendations for Areas 19 and 20.

2.0 GEOLOGIC INVESTIGATION

Geologic and stratigraphic information were obtained from monitoring well borings advanced during the field investigations for Areas 19 and 20. A total of 13 monitoring wells were installed at Areas 19 and 20. Lithologic samples collected during drilling were classified and logged by an EnSafe geologist as described in the approved *Final Comprehensive Sampling and Analysis Plan (CSAP) RCRA Facility Investigation (Revision No: 02)* (E/A&H, July 30 1996). Well construction information is presented in Table 2.1. Lithologic logs and monitoring well as-built diagrams are contained in Appendix A.

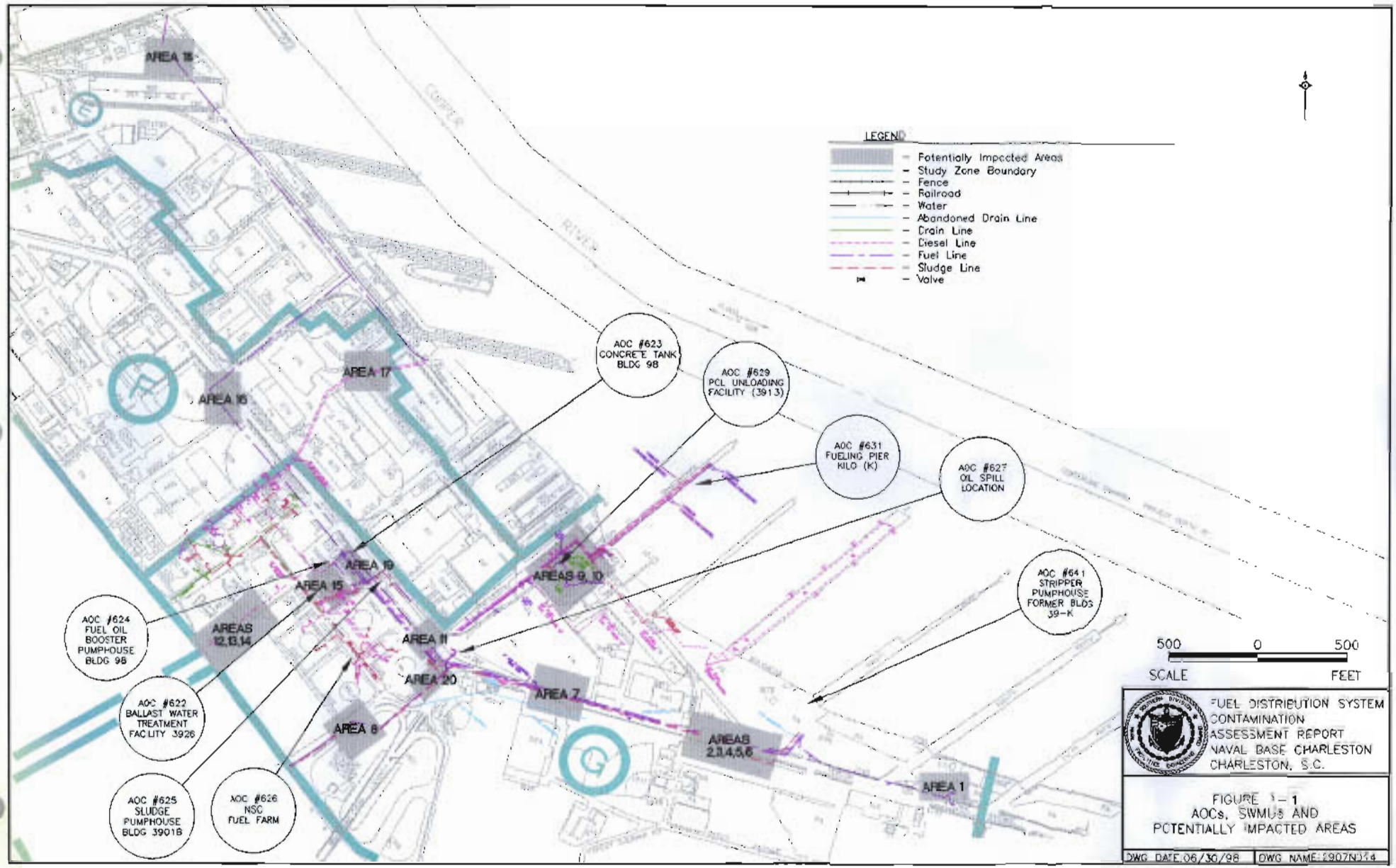

LEGEND
Potentially Impacted Areas
Study Zone Boundary
Fence
Railroad
Water
Abandoned Drain Line
Drain Line
Diesel Line
Fuel Line
Sludge Line
Valve
AREA 18
AREA 17
AREA 16
AREA 19
AREA 15
AREAS 12,13,14
AREA 11
AREA 20
AREA 8
AREA 7
AREAS 9, 10
AREAS 2,3,4,5,6
AREA 1
AOC #623 CONCRETE TANK BLDG 98
AOC #629 POL UNLOADING FACILITY (3913)
AOC #631 FUELING PIER KILO (K)
AOC #627 OIL SPILL LOCATION
AOC #641 STRIPPER PUMPHOUSE FORMER BLDG 39-K
AOC #624 FUEL OIL BOOSTER PUMPHOUSE BLDG 98
AOC #622 BALLAST WATER TREATMENT FACILITY 3926
AOC #625 SLUDGE PUMPHOUSE BLDG 3901B
AOC #626 NSC FUEL FARM
500 0 500
SCALE FEET
FUEL DISTRIBUTION SYSTEM CONTAMINATION ASSESSMENT REPORT NAVAL BASE CHARLESTON CHARLESTON, S.C.
FIGURE 1-1
AOCs, SWMUS AND POTENTIALLY IMPACTED AREAS
DWG DATE:06/30/98
DWG NAME:2907N014

Table 2.1
Areas 19 and 20
Monitoring Well Construction Data

Well Identifier	Date Installed	TOC Elevation (ft msl)	Ground Elevation (ft msl)	Construction Depths (ft bgs)			Groundwater Elevation* (ft msl)
				TOS	BOS	BOW	
Area 19 Wells							
FDS19A	11/18/99	9.48	9.7	3.75	13.15	15.0	2.98
FDS19B	11/19/99	9.66	9 9	2.73	12.17	14 2	1.92
FDS19C	11/19/99	9.59	9.8	2.83	12.27	14.0	1.59
FDS19D	11/19/99	9.58	9 8	2.73	12.18	14.0	0.30
FDS19E	11/19/99	9.48	9.6	2.83	12.28	14.0	3.96
FDS19F	11/19/99	12 69	10.4	2.83	13.08	14 0	5.33
FDS19G	11/19/99	12.37	10.1	2.84	12.28	15.0	5.69
Area 20 Wells							
FDS20A	11/18/99	9.39	7.1	2.75	12.15	14.0	3.47
FDS20B	11/20/99	5 82	6.0	2.70	12.20	14 0	3 68
FDS20C	11/20/99	6.15	6.3	3.50	13.45	15.5	2.59
FDS20D	11/18/99	13 0	10.3	3.75	13.15	15 0	0 94
FDS20E	11/20/99	8.55	8.6	3.35	12.69	14.0	1.77
FDS20F	11/20/99	6 22	6 3	6 0	15.34	20.0	2 60

Notes:

TOC = Top of casing
TOS = Top of screen
BOS = Bottom of screen
BOW = Bottom of well (end cap)
ft msl = Feet above mean sea level
ft bgs = Feet below ground surface
* = The elevations presented are based on the most recent measurement collected 3/17/00 and are consistent with previous elevations

2.1 Site Geology and Hydrogeology

The portion of CNC where Areas 19 and 20 are situated consisted of marshland along the Cooper River prior to the mid-1930s. Maps of the Charleston Navy Yard from 1935 and 1940 show the marshes southeast of the current facilities as areas being filled. The fill work was completed after 1942, commensurate with the expansion of the base that occurred during World War II. As such, the stratigraphy of the uppermost soil beneath Areas 19 and 20 mostly consists of non-native fill materials.

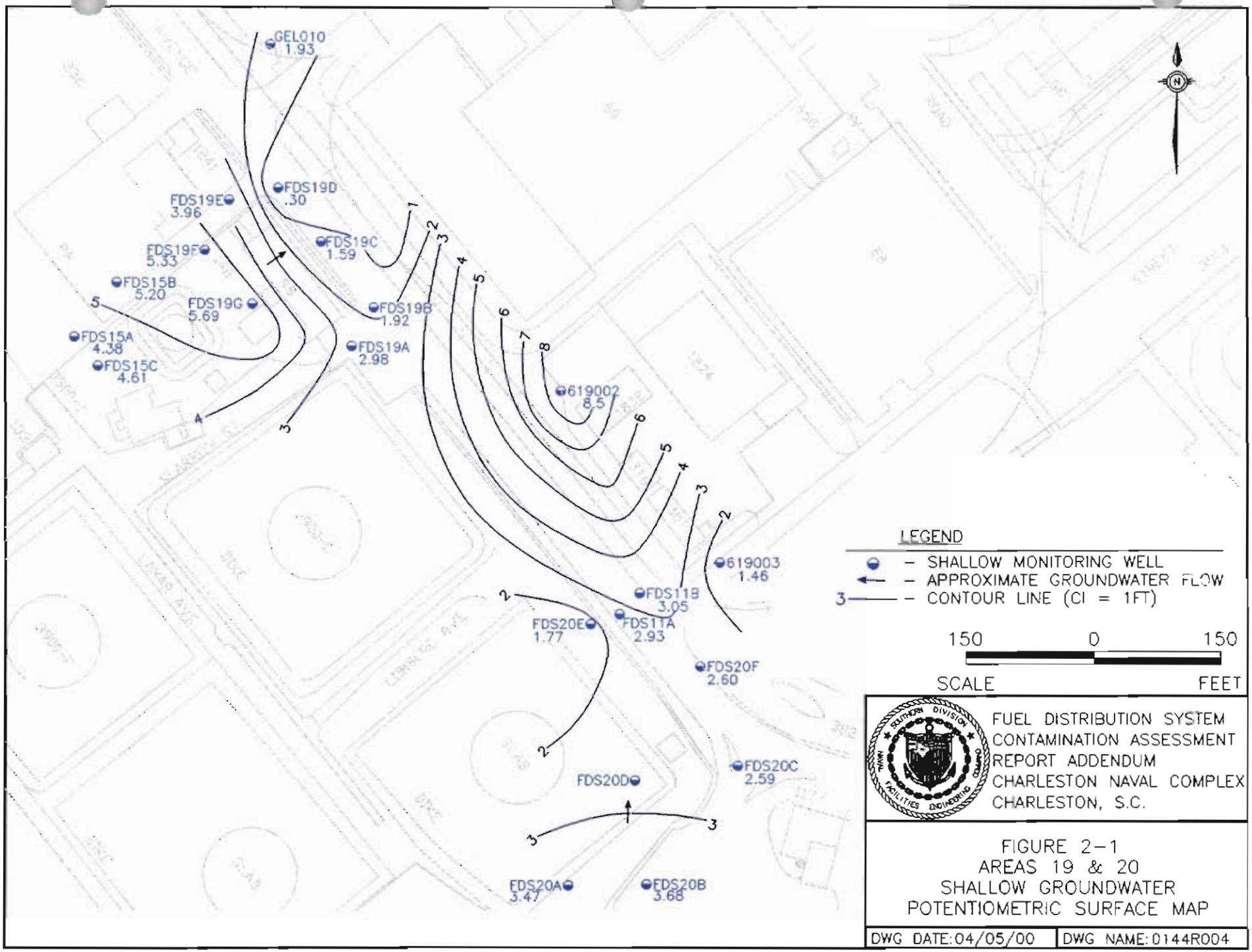
Geology

Based on well borings advanced at Area 19, the general stratigraphy consists of up to 6 feet of red, tan, brown and gray, sandy, clayey silt fill, which overlies stratified units of blue, gray, black, brown and tan silt, sand and organic clay to a depth of approximately 15 ft bgs. Petroleum odors were noted in stratigraphic soil samples collected from five to 12 ft bgs at boring FDS19F.

Based on well borings advanced at Area 20, the general stratigraphy consists of up to 9 feet of tan, gray and black sandy and silty clay fill which overlies stratified units of black, brown, reddish-brown, gray silt, sand and organic clay to a depth of approximately 20 ft bgs.

Hydrogeology

Figure 2-1 depicts the Areas 19 and 20 shallow groundwater potentiometric surface and inferred flow direction. Shallow groundwater at Areas 19 and 20 generally occurs from 2.30 to 9.50 feet below ground surface (bgs). The inferred horizontal flow direction across Area 19 is generally to the northeast from FDS19G to FDS19C. Groundwater generally flows to the north across Area 20. The hydraulic gradient is steeper at Area 19 than at Area 20. The hydrology at both areas is influenced by Zone F monitoring well 619002, which typically has a groundwater elevation up to six feet higher than the surrounding wells.


GEL010
1.93
FDS19D
.30
FDS19E
3.96
FDS19C
1.59
FDS19F
5.33
FDS15B
5.20
FDS19G
5.69
FDS19B
1.92
FDS15A
4.38
FDS19A
2.98
FDS15C
4.61
619002
8.5
619003
1.46
FDS11B
3.05
FDS20E
1.77
FDS11A
2.93
FDS20F
2.60
FDS20C
2.59
FDS20D
FDS20A
3.47
FDS20B
3.68
LEGEND
– SHALLOW MONITORING WELL
– APPROXIMATE GROUNDWATER FLOW
– CONTOUR LINE (CI = 1FT)
150 0 150
SCALE FEET
FUEL DISTRIBUTION SYSTEM
CONTAMINATION ASSESSMENT
REPORT ADDENDUM
CHARLESTON NAVAL COMPLEX
CHARLESTON, S.C.
FIGURE 2-1
AREAS 19 & 20
SHALLOW GROUNDWATER
POTENTIOMETRIC SURFACE MAP
DWG DATE: 04/05/00
DWG NAME: 0144R004

The maximum average calculated groundwater velocity (utilizing the steepest gradient at each site) was 0.033 feet/day at Area 19 and 0.004 feet/day at Area 20 based on an estimated effective porosity (0.359) and representative hydraulic conductivities (0.32 feet/day at Area 19 and 0.37 feet/day at Area 20) as determined during slug testing of wells at adjacent FDS Areas 15 and 11, respectively.

3.0 INVESTIGATION RESULTS

The FDS CAR discusses how applicable chemicals of concern (COCs) were compared to Risk-Based Screening Levels (RBSLs) specified in *South Carolina Risk-Based Corrective Action for Petroleum Releases* (South Carolina Department of Health and Environmental Control [SCDHEC], January 5, 1998). Because the release source for both areas was below grade, all soil samples collected were subsurface. The groundwater protection RBSLs for sandy soil, less than 5 feet to groundwater, were used for comparison to subsurface soil analytical results. Groundwater sample results were compared to the RBSLs for groundwater. Analytical data for Areas 19 and 20 are presented in Appendix B.

3.1 Area 19

History

The *Final RCRA Facility Assessment of Naval Base Charleston* (RFA) (E/A&H June 6, 1995) includes Area 19 as a part of Area of Concern (AOC) 623. This AOC includes the area around Building 98, the FDS fuel oil booster pumphouse. Building 98 is a single-story concrete structure, with a concrete floor sunk five feet below grade. Constructed in 1944, Building 98 contains numerous pumps and valves used to boost the flow of fuel oil between Pier Kilo and the Chicora Tank Farm. Also included is Facility 148, a rectangular, 15' x 20' x 10' tank with a 21,924 gallon capacity. Built in 1948, it was used until 1987 to temporarily hold fuel oil during pipeline repair and maintenance. The tank, built of reinforced concrete, was partially buried to approximately four feet below grade. Facility 148, located on the southwest side of Building 98, was connected to the building by two eight-inch diameter pipelines. The tank does not appear on aerial photos of the CNC area prior to 1948. The tank was closed, demolished, and removed in 1996.

Previous Investigations

In May of 1992, S&ME, Inc. (S&ME) was retained by the Navy to conduct a soil total petroleum hydrocarbon (TPH) survey along a fuel supply line that parallels the south side of Hobson Avenue, and passes Building 98 on the north side. The purpose of the investigation was to determine if petroleum related contamination exists along the pipeline right-of-way. Soil samples for TPH analysis were collected at the soil-water interface, at approximately six feet ft bgs. Two of four samples collected along the northeast and northwest sides of Building 98 revealed subsurface soil TPH concentrations of 1,000 and 690 milligrams per kilogram (mg/kg), respectively. S&ME's investigation report stated that soil and groundwater were likely contaminated along this pipeline, and that appropriate abatement procedures should be followed during excavation and dewatering activities which were to accompany forthcoming repairs. A copy of this report is contained in Appendix D of the FDS CAR (EnSafe, September 10, 1998).

In August of 1996, the Supervisor of Shipbuilding, Conversion and Repair, USN, Portsmouth, VA, Environmental Detachment Charleston, SC (SPORTENVDETCHASN) performed Interim Measure (IM) assessment and closure activities at Facility 148. The tank had been emptied and cleaned prior to the IM, and contained no residual fuel. Free product and petroleum contaminated soil were found throughout the excavation and demolition of Facility 148. The area most impacted was associated with the piping to Building 98. The excavation was open until July 1997 when the tank pit was backfilled with clean soil. The FDS CAR (EnSafe, September 10, 1998), identified Area 19 as requiring additional assessment due to the petroleum contamination observed during the Facility 148 IM activities. A copy of the SPORTENVDETCHASN assessment and closure report is contained in Appendix E of the FDS CAR

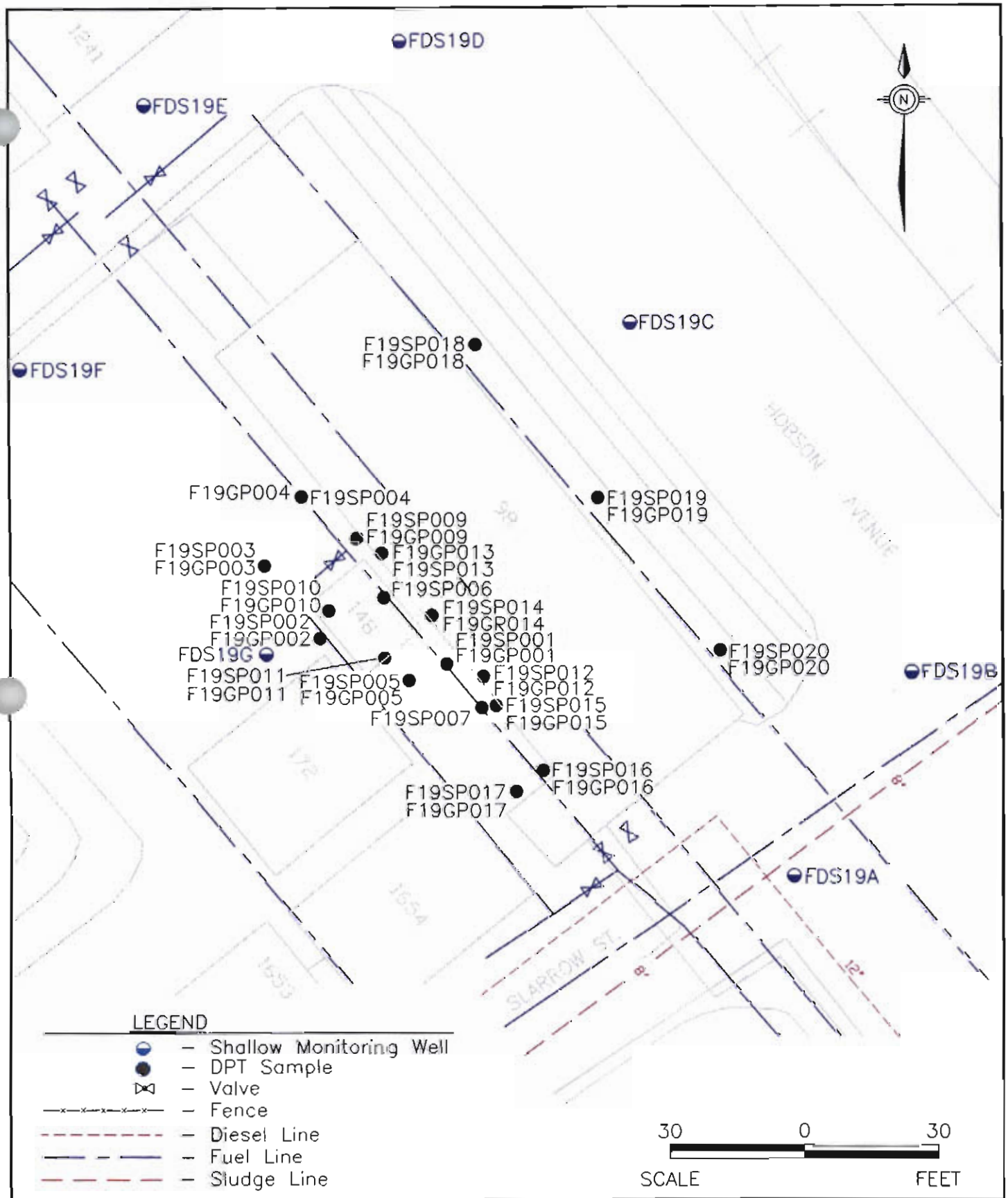
3.1.1 Field Investigation Approach

The objectives of the field investigation at Area 19 were to confirm the results of earlier sampling efforts, and delineate the extent of soil and groundwater contamination detected by previous

investigations. Direct Push Technology (DPT) soil (subsurface soil interval) and shallow groundwater samples were collected to characterize the nature and extent of soil and groundwater contamination at the site. Soil samples were analyzed for groundwater protection RBSL volatile organic compound (VOC) and semivolatile organic compound (SVOC) parameters. Groundwater protection RBSL VOC parameters include: benzene; toluene; ethylbenzene; and, xylenes. Groundwater protection RBSL SVOC parameters include: naphthalenes (naphthalene and/or total naphthalenes); benzo(a)anthracene; benzo(b)fluoranthene; benzo(k)fluoranthene; chrysene; and, dibenz(a,h)anthracene. Because metals are not included under the list of RBSL COCs for soil, DPT soil samples were not analyzed for metals. Groundwater DPT samples were analyzed for RBSL VOC and SVOC parameters. RBSL VOCs for groundwater include: benzene; toluene; ethylbenzene; and, xylenes. RBSL SVOCs for groundwater include total polycyclic aromatic hydrocarbons (total PAHs), which includes the total of the concentrations of benzo(a)anthracene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenz(a,h) anthracene, and total naphthalenes. DPT groundwater samples were not analyzed for metals since waste oil was not a concern at Area 19.

Initial rounds of DPT soil and groundwater sampling focused on areas of contamination identified by the previous site investigations. Subsequent DPT sampling was performed to delineate the extent of contamination around RBSL exceedances.

Once the impact was characterized via the groundwater DPT sampling, seven permanent shallow groundwater monitoring wells were installed to confirm the DPT results and facilitate future monitoring (see Table 2.1). Table 3.1 depicts the soil and groundwater DPT samples collected and the analyses performed at Area 19. Figure 3-1 presents the site features, the soil and groundwater DPT sample locations, and the locations of the site monitoring wells.



FUEL DISTRIBUTION SYSTEM
CONTAMINATION ASSESSMENT
REPORT ADDENDUM
CHARLESTON NAVAL COMPLEX
CHARLESTON, S.C.

FIGURE 3-1
AREA 19
SOIL AND GROUNDWATER
SAMPLE LOCATIONS

DWG DATE: 05/31/00 | DWG NAME: 0144R001

Table 3.1
Area 19
DPT Soil and Groundwater Samples and Analyses

Sample Location	Sample Identifier	Medium	Date Collected	Analyses
P001	F19SP00106	Soil	1/21/99	VOCs, SVOCs
	F19GP00101	Groundwater	4/12/99	"
P002	F19SP00205	Soil	1/21/99	VOCs, SVOCs
	F19GP00201	Groundwater	4/12/99	"
P003	F19SP00305	Soil	1/21/99	VOCs, SVOCs
	F19GP00301	Groundwater	4/12/99	"
P004	F19SP00406	Soil	1/22/99	VOCs, SVOCs
	F19GP00401	Groundwater	4/12/99	"
P005	F19SP00505	Soil	1/21/99	VOCs, SVOCs
	F19GP00501	Groundwater	4/12/99	"
P006	F19SP00604	Soil	1/21/99	VOCs, SVOCs
P007	F19SP00706	Soil	1/21/99	VOCs, SVOCs
P009	F19SP00909	Soil	5/07/99	VOCs, SVOCs
	F19GP00901	Groundwater	5/10/99	"
P010	F19SP01005	Soil	5/07/99	VOCs, SVOCs
	F19GP01001	Groundwater	5/10/99	"
P011	F19SP01105	Soil	5/07/99	VOCs, SVOCs
	F19GP01101	Groundwater	5/10/99	"
P012	F19SP01205	Soil	5/07/99	VOCs, SVOCs
	F19GP01201	Groundwater	5/10/99	"
P013	F19SP01311	Soil	6/23/99	VOCs, SVOCs
	F19GP01301	Groundwater	6/24/99	"
P014	F19SP01407	Soil	6/23/99	VOCs, SVOCs
	F19GP01401	Groundwater	6/24/99	"
P015	F19SP01507	Soil	6/23/99	VOCs, SVOCs
	F19GP01501	Groundwater	6/28/99	"
P016	F19SP01611	Soil	6/23/99	VOCs, SVOCs
	F19GP01601	Groundwater	6/28/99	"
P017	F19SP01711	Soil	6/23/99	VOCs, SVOCs
	F19GP01701	Groundwater	6/28/99	"
P018	F19SP01811	Soil	6/23/99	VOCs, SVOCs
	F19GP01801	Groundwater	6/28/99	"
P019	F19SP01912	Soil	6/23/99	VOCs, SVOCs
	F19GP01901	Groundwater	6/28/99	"
P020	F19SP02010	Soil	6/23/99	VOCs, SVOCs
	F19GP02001	Groundwater	6/28/99	"

Notes:
Sample P008 was not collected
SVOCs = Semivolatile Organic Compounds
VOCs = Volatile Organic Compounds

3.1.2 Soil Sample Results

Nineteen DPT soil borings were advanced at Area 19. Subsurface soil results from these borings were compared to the groundwater protection RBSLs. No free product was observed. No surface soil samples were collected. Table 3.2 presents a summary of the analytical results of the DPT soil sampling.

Three VOCs, benzene, ethylbenzene, and xylene (total), were detected in subsurface soil samples collected at Area 19. Benzene was detected and exceeded the groundwater protection RBSL (5 μg/kg) at three DPT locations, F19SP006 (8 μg/kg), F19SP012 (18 μg/kg) and F19SP013 (26 μg/kg). Figure 3-2 presents the distributions of benzene in subsurface soil at Area 19. The affected area shown is limited to the area of the former tank, Facility 148. Ethylbenzene exceeded the groundwater protection RBSL (1,260 μg/kg) at boring F19SP012 (7,700 μg/kg). Figure 3-3 presents the distribution of ethylbenzene. Xylene (total) was detected at four locations, but no detections exceeded RBSLs.

Table 3.2
Area 19
Summary of DPT Soil Analytical Results

Parameters	Location	Subsurface Conc.	Groundwater Protection RBSL	Exceeds Groundwater Protection RBSL
Volatile Organic Compounds (μg/kg)				
Benzene	F19SP006	**8**	5	Yes
	F19SP012	**18**		Yes
	F19SP013	**26**		Yes
Ethylbenzene	F19SP006	83	1,260	No
	F19SP012	**7,700**		Yes
	F19SP013	38		No
	F19SP014	2		No
	F19SP015	300		No

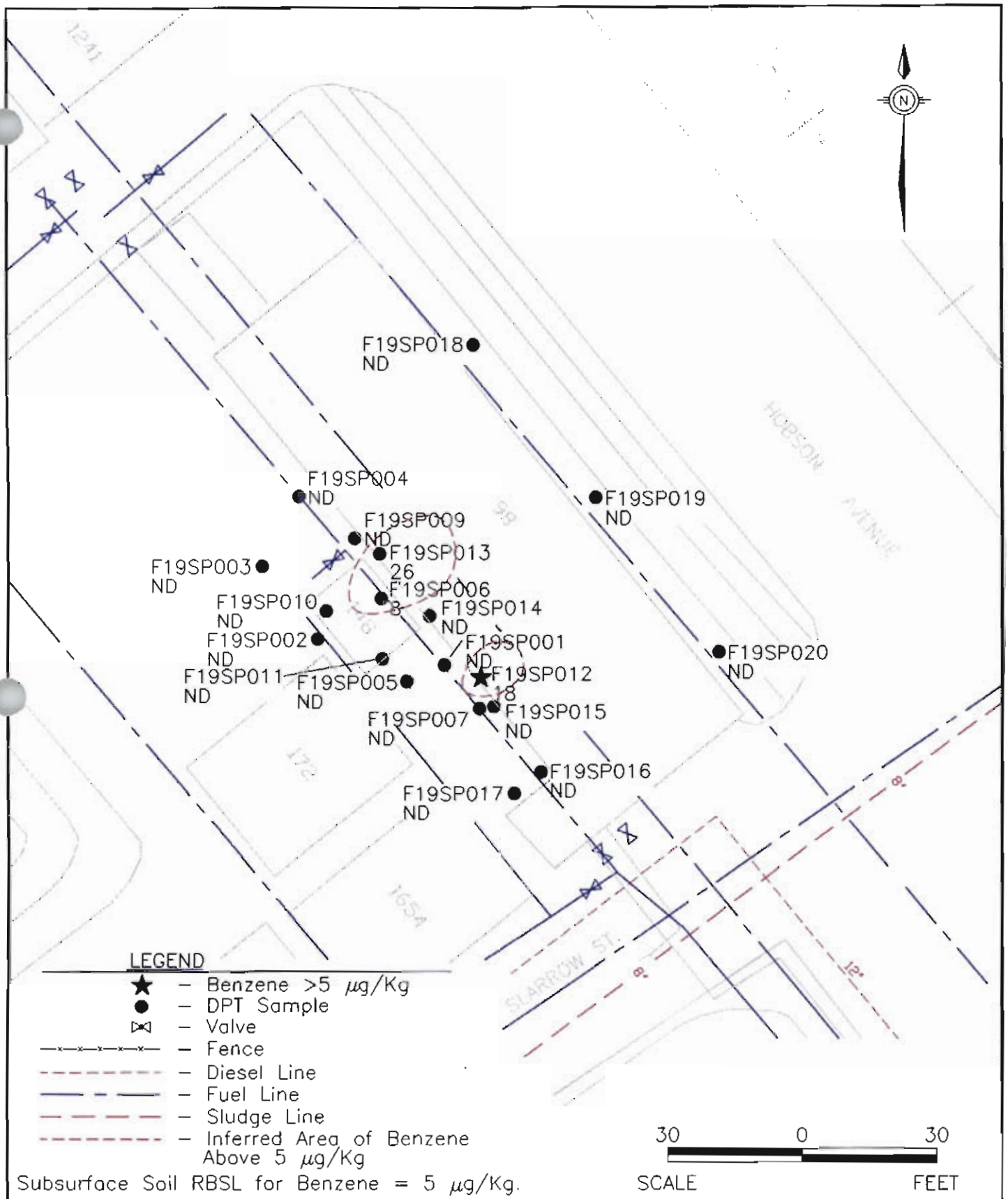
Table 3.2
Area 19
Summary of DPT Soil Analytical Results

Parameters	Location	Subsurface Conc.	Groundwater Protection RBSL	Exceeds Groundwater Protection RBSL
Semivolatile Organic Compounds (µg/kg)				
Xylene (Total)	F19SP006	12	42,471	No
	F19SP012	780		No
	F19SP014	3		No
	F19SP020	1		No
Total Naphthalenes	F19SP001	**450**	210	Yes
	F19SP006	**3,000**		Yes
	F19SP012	**159,855**		Yes
	F19SP013	**93,000**		Yes
	F19SP014	**6,800**		Yes
	F19SP015	**7,100**		Yes
	F19SP016	**1,080**		Yes
	F19SP020	**10,300**		Yes
2-Methylnaphthalene	F19SP01205	112,855	NL	NA
	F19SP013	75,000		
	F19SP014	6,800		
	F19SP015	5,700		
	F19SP016	920		
	F19SP020	1,200		
Naphthalene	F19SP001	**450**	210	Yes
	F19SP006	**3,000**		Yes
	F19SP012	**47,000**		Yes
	F19SP013	**18,000**		Yes
	F19SP015	**1,400**		Yes
	F19SP016	160		No
	F19SP020	**9,100**		Yes
Benzo(a)anthracene	F19SP001	140	73,084	No
	F19SP004	6,300		No
	F19SP006	1,900		No
	F19SP009	75		No
	F19SP010	56		No
	F19SP012	570		No
	F19SP013	600		No
	F19SP014	2,100		No
Benzo(a)pyrene	F19SP014	2,400	NL	NA
Benzo(b)fluoranthene	F19SP001	110	29,097	No
	F19SP004	5,500		No
	F19SP006	1,800		No
	F19SP009	62		No
	F19SP010	58		No
	F19SP012	390		No
	F19SP014	2,500		No
Benzo(g,h,i)perylene	F19SP014	940	NL	NA

Table 3.2
Area 19
Summary of DPT Soil Analytical Results

Parameters	Location	Subsurface Conc.	Groundwater Protection RBSL	Exceeds Groundwater Protection RBSL
Semivolatile Organic Compounds (µg/kg)				
Benzo(k)fluoranthene	F19SP001	120	231,109	No
	F19SP004	5,600		No
	F19SP006	2,000		No
	F19SP009	54		No
	F19SP010	66		No
	F19SP014	2,400		No
Chrysene	F19SP001	240	12,998	No
	F19SP004	6,300		No
	F19SP006	3,200		No
	F19SP009	120		No
	F19SP010	71		No
	F19SP012	1,200		No
	F19SP013	1,100		No
	F19SP014	3,000		No
Acenaphthene	F19SP020	1,900	NL	NA
Anthracene	F19SP014	910	NL	NA
Dibenzofuran	F19SP020	790	NL	NA
Fluoranthene	F19SP014	4,900	NL	NA
	F19SP020	160		
Fluorene	F19SP013	7,100	NL	NA
	F19SP014	1,600		
	F19SP015	720		
	F19SP016	150		
	F19SP020	880		
Indeno(1,2,3-cd)pyrene	F19SP014	1,000	NL	NA
Phenanthrene	F19SP013	14,000	NL	NA
	F19SP014	5,700		
	F19SP015	1,200		
	F19SP020	1,300		
Pyrene	F19SP014	5,900	NL	NA
	F19SP020	100		
bis(2-ethylhexyl)phthalate	F19SP015	25	NL	NA
	F19SP016	23		

Notes:
NL = Not listed
NA = Not applicable
µg/kg = Micrograms per kilogram
RBSLs for groundwater protection from the *South Carolina Risk-Based Corrective Action for Petroleum Releases* (SCDHEC, January 5, 1998) were used as reference concentrations.
Bolded concentrations exceed RBSLS.



Subsurface Soil RBSL for Benzene = 5 µg/Kg.

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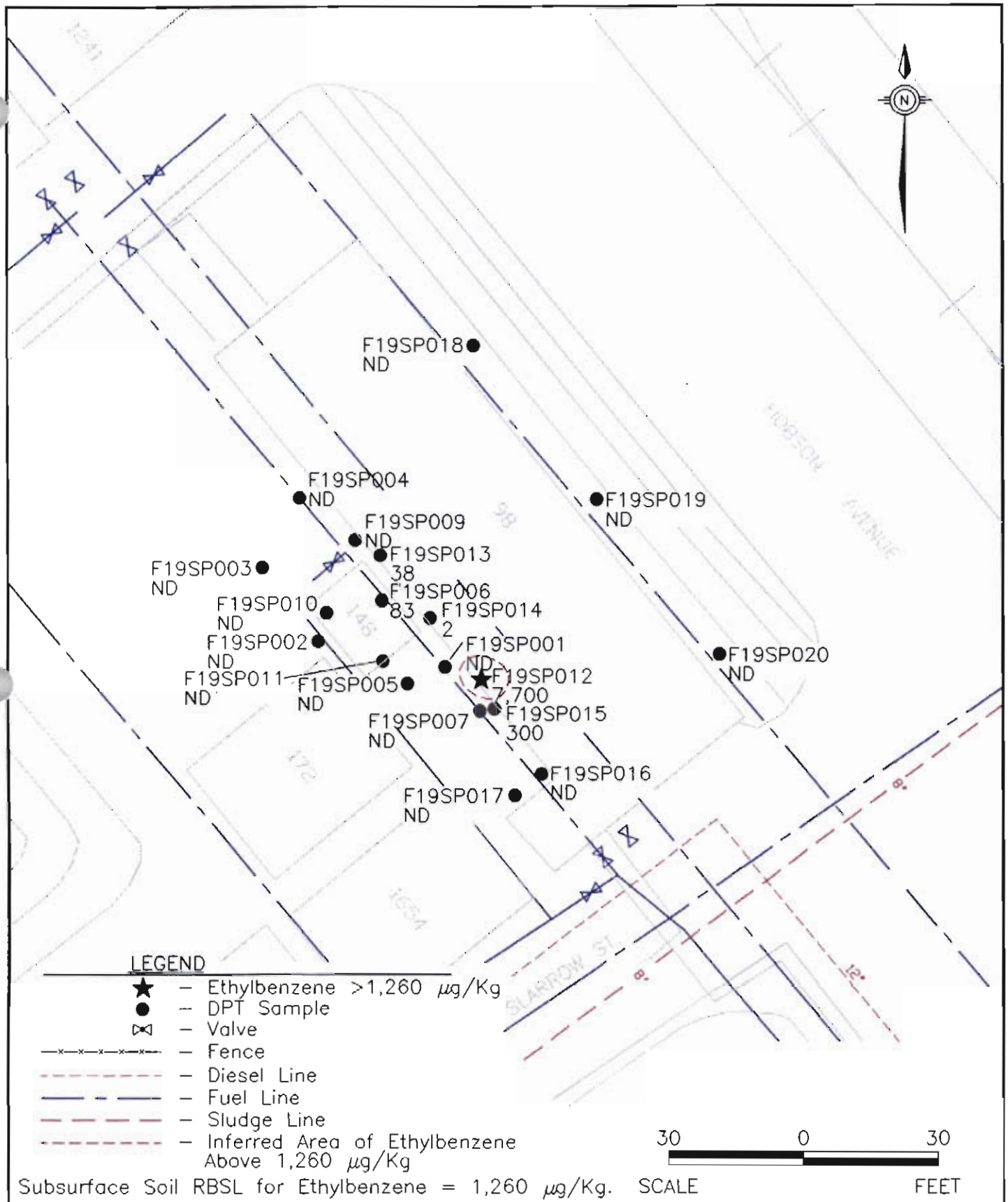
FIGURE 3-2
AREA 19
BENZENE IN SUBSURFACE SOIL

DWG DATE: 06/01/00 | DWG NAME: 0144R007



Subsurface Soil RBSL for Ethylbenzene = 1,260 µg/Kg.

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FIGURE 3-3
AREA 19
ETHYLBENZENE IN SUBSURFACE SOIL

DWG DATE: 06/01/00 | DWG NAME: 0144R008

Naphthalene and/or total naphthalenes exceeded the groundwater protection RBSL (210 μg/kg for each constituent) at DPT boring locations F19SP001, F19SP006, F19SP012, F19SP013, F19SP014, F19SP015, F19SP016 and F19SP020. Figures 3-4 and 3-5 present the distribution of total naphthalenes and naphthelene, respectively at Area 19. Only total naphthalenes exceeded the RBSL at F19SP016. With the exception of boring location F19SP020, these borings are located along the southwest wall of Building 98, within and adjacent to the area of petroleum contaminated soil noted in SPORTENVDETCHASN's report for the Facility 148 removal. Boring F19SP020 is located near the southeast corner of Building 98, this detection appears to be related to the area of petroleum contamination identified during SM&E's TPH survey and not Facility 148. No other organic detections in soil exceeded their respective groundwater protection RBSL.

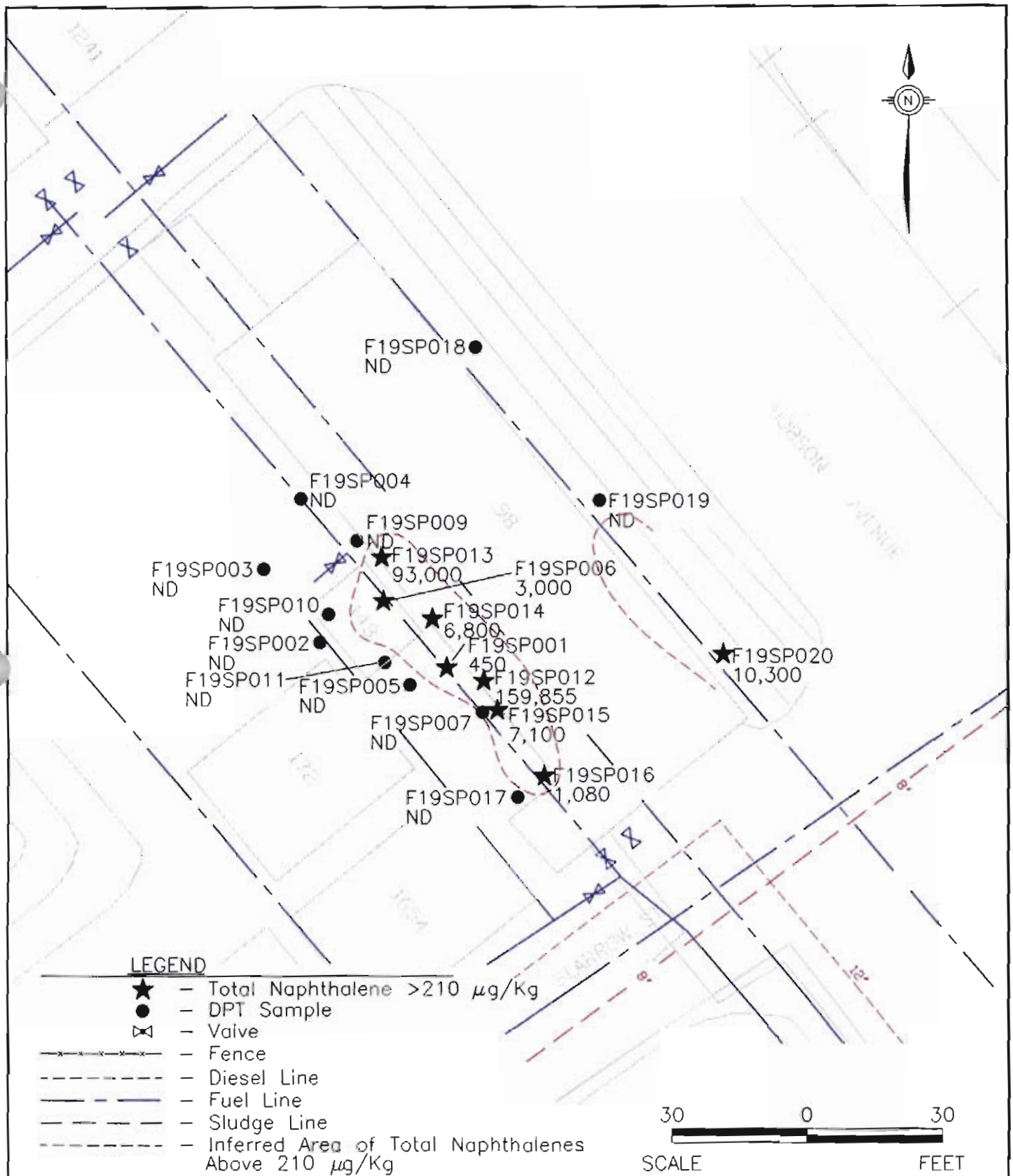
The soil COCs are benzene, ethylbenzene, total naphthalenes, and naphthalene. The area of COC soil exceedances above appropriate RBSLs at Area 19 is primarily along the southwestern edge of Building 98. These COCs are most likely related to releases at Facility 148. The exceedance at F19SP020 appears to be related to the fuel pipeline which parallels the building along Hobson Avenue.

3.1.3 Groundwater Sample Results

DPT

Seventeen shallow DPT groundwater samples were collected at Area 19. Table 3.3 presents a summary of the analytical results of the DPT groundwater analysis at Area 19. No free product was observed.

The groundwater results revealed VOC and SVOC concentrations above groundwater RBSL parameters along the southwest side of Building 98. Benzene exceeded the RBSL (5 μg/L) at two sampling points F19GP009 (8 μg/L) and F19GP013 (32 μg/L) within the area of the excavation for Facility 148. Several DPT groundwater sample locations along the southwest wall of



Subsurface Soil RBSL for Total Naphthalenes = 210 μg/Kg.

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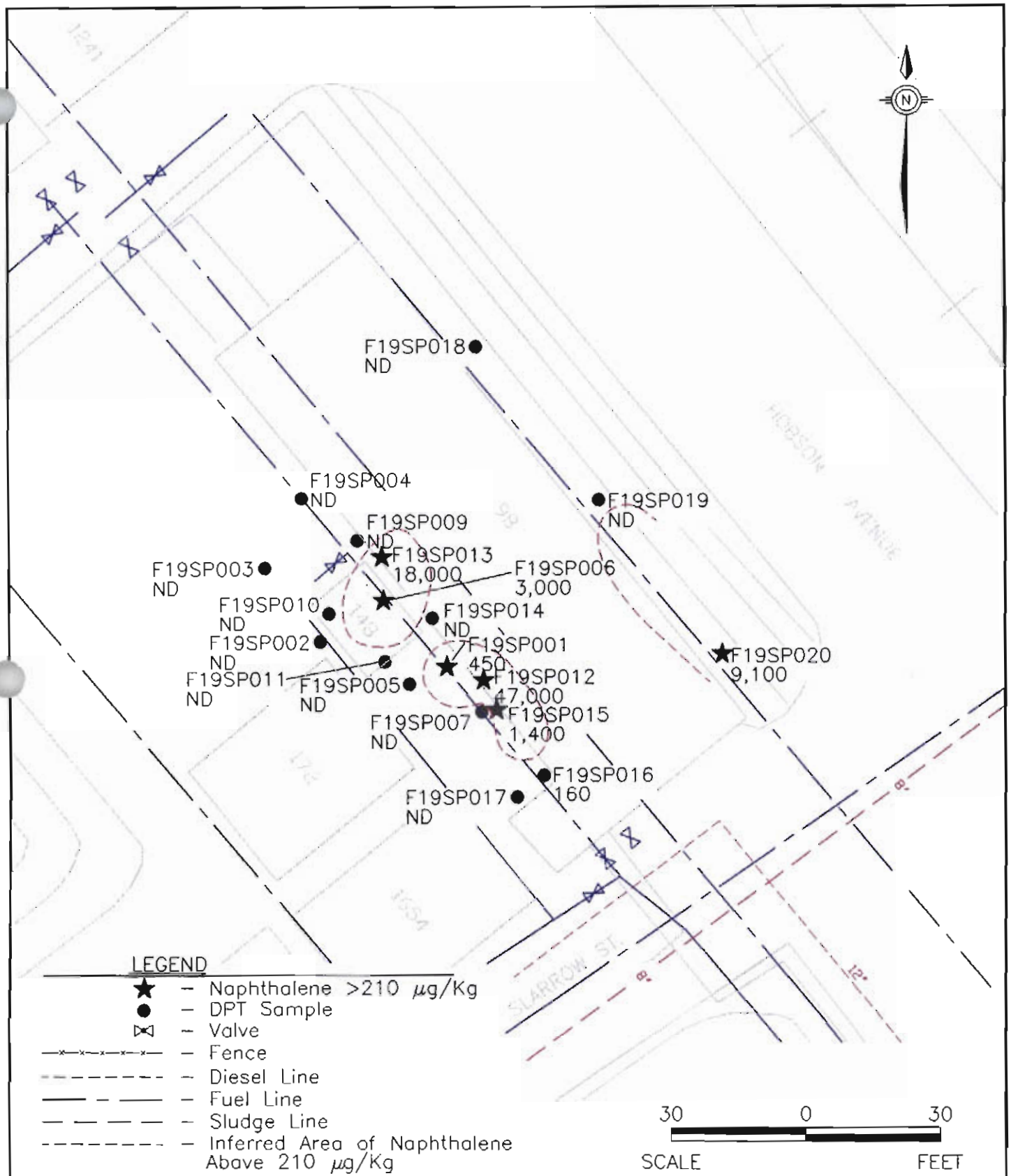
FIGURE 3-4
AREA 19
TOTAL NAPHTHALENES
IN SUBSURFACE SOIL

DWG DATE: 06/06/00 | DWG NAME: 0144R009



Subsurface Soil RBSL for Naphthalene = 210 μg/Kg.

FUEL DISTRIBUTION SYSTEM
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FIGURE 3-5
AREA 19
NAPHTHALENE
IN SUBSURFACE SOIL

DWG DATE: 06/06/00 | DWG NAME: 0144R010

Table 3.3
Area 19
Summary of DPT Groundwater Analytical Results

Parameters	Location	Concentration	RBSLs	Exceeds RBSL
Volatile Organic Compounds (μg/L)				
Benzene	F19GP009	**8**	5	Yes
	F19GP013	**32**		Yes
	F19GP014	2		No
Ethylbenzene	F19GP001	1	700	No
	F19GP012	44		No
	F19GP013	40		No
Xylene (Total)	F19GP012	2	10,000	No
	F19GP013	13		No
	F19GP015	2		No
Semivolatile Organic Compounds (μg/L)				
Total PAHs	F19GP004	2.8	25	No
	F19GP009	**46**		Yes
	F19GP010	2.4		No
	F19GP011	7.8		No
	F19GP012	**354,216**		Yes
	F19GP013	**305**		Yes
	F19GP014	**133**		Yes
	F19GP015	**1,551**		Yes
	F19GP016	**161**		Yes
	F19GP017	7		No
	F19GP018	**41**		Yes
	F19GP019	22		No
	F19GP020	**464**		Yes
2-Methylnaphthalene	F19GP009	**43.6**	10	Yes
	F19GP010	1.58		No
	F19GP011	4.84		No
	F19GP012	**260,816**		Yes
	F19GP013	**190**		Yes
	F19GP014	**130**		Yes
	F19GP015	**1,300**		Yes
	F19GP016	**140**		Yes
	F19GP017	7		No
	F19GP018	5		No
	F19GP019	**10**		Yes
	F19GP020	**15**		Yes
Naphthalene	F19GP009	2	10	No
	F19GP010	0.8		No
	F19GP011	3		No
	F19GP012	**91,000**		Yes
	F19GP013	**100**		Yes
	F19GP015	**240**		Yes
	F19GP016	**18**		Yes
	F19GP018	**16**		Yes
	F19GP019	12		Yes
	F19GP020	**440**		Yes

Table 3.3
Area 19
Summary of DPT Groundwater Analytical Results

Parameters	Location	Concentration	RBSLs	Exceeds RBSL
Semivolatile Organic Compounds (μg/L)				
2,4-Dimethylphenol	F19GP020	12	NL	NA
Benzo(a)anthracene	F19GP013	5	10	No
	F19GP014	1		No
	F19GP016	0.8		No
	F19GP018	5		No
	F19GP020	2		No
Benzo(a)pyrene	F19GP013	2	NL	NA
	F19GP014	0.6		
	F19GP018	3		
Benzo(b)fluoranthene	F19GP004	0.8	10	No
	F19GP013	2		No
	F19GP016	0.7		No
	F19GP018	2		No
	F19GP020	2		No
Benzo(k)fluoranthene	F19GP004	1	10	No
	F19GP018	3		No
	F19GP020	2		No
Benzo(g,h,i)perylene	F19GP013	0.8	NL	NA
Chrysene	F19GP004	1	10	No
	F19GP012	2,400		Yes
	F19GP013	8		No
	F19GP014	2		No
	F19GP015	11		Yes
	F19GP016	1		No
	F19GP018	7		No
	F19GP020	3		No
Acenapthene	F19GP013	24	NL	NA
	F19GP014	8		
	F19GP018	42		
	F19GP019	15		
	F19GP020	32		
Anthracene	F19GP018	10	NL	NA
	F19GP019	1		
	F19GP020	3		
Dibenzofuran	F19GP013	22	NL	NA
	F19GP014	8		
	F19GP015	42		
	F19GP018	17		
	F19GP019	5		
	F19GP020	11		

Table 3.3
Area 19
Summary of DPT Groundwater Analytical Results

Parameters	Location	Concentration	RBSLs	Exceeds RBSL
Semivolatile Organic Compounds (μg/L)				
Fluoranthene	F19GP013	5	NL	NA
	F19GP014	2		
	F19GP018	22		
	F19GP019	1		
	F19GP020	6		
Fluorene	F19GP013	40	NL	NA
	F19GP014	16		
	F19GP015	130		
	F19GP016	20		
	F19GP017	2		
	F19GP018	24		
	F19GP019	7		
	F19GP020	14		
Phenanthrene	F19GP013	73	NL	NA
	F19GP014	28		
	F19GP015	240		
	F19GP016	26		
	F19GP017	2		
	F19GP018	48		
	F19GP019	6		
	F19GP020	20		
Phenol	F19GP013	1	NL	NA
Pyrene	F19GP013	9	NL	NA
	F19GP014	3		
	F19GP016	3		
	F19GP018	17		
	F19GP020	6		
Bis(2-ethylhexyl)phthalate	F19GP013	3	NL	NA
	F19GP014	5		
	F19GP016	1		
	F19GP017	2		
	F19GP018	0.70		
	F19GP019	1		
	F19GP020	2		

Notes:
NL = Not listed
NA = Not applicable
μg/L = Micrograms per liter
RBSLs from the *South Carolina Risk-Based Corrective Action for Petroleum Releases* (SCDHEC, January 5, 1998) were used as reference concentrations.
Bolded concentrations exceed RBSL

Building 98 (F19GP009, F19GP012 through F19GP016), exceeded the total PAHs RBSL (25 μg/L). The individual analyte RBSLs (10 μg/L) for 2-methylnaphthalene, naphthalene and chrysene were also exceeded in two or more of these locations.

Location F19GP012 exhibited extremely high concentrations of chrysene (2,400 μg/L), naphthalene (91,000 μg/L), 2-methylnaphthalene (260,816 μg/L) and total PAHs (354,216 μg/L). Sample locations F19GP018 through F19GP020, along the northwest side of Building 98 and Hobson Avenue, exhibited lesser concentrations of 2-methylnapthalene, naphthalene and/or total PAHs above their respective RBSLs.

The groundwater COCs are benzene, total PAHs, 2-methylnaphthalene, naphthalene and chrysene. Figures 3-6 through 3-10 present the distribution of these COCs in shallow groundwater at Area 19. As with the DPT soil exceedances, DPT groundwater exceedances primarily occurred along the southwestern edge of Building 98, and appear to be related to releases at Facility 148. Exceedances at F19GP018 through F19GP020 appear to be related to the fuel pipeline that parallels the building along Hobson Avenue.

Monitoring Wells

Based on the DPT groundwater analytical results, seven shallow monitoring wells were installed at Area 19 to characterize shallow groundwater at the site. Table 3.4 presents the groundwater samples collected and analyses performed on monitoring well samples from Area 19. Monitoring well samples at Area 19 were analyzed for groundwater RBSL parameters, including VOCs, SVOCs, and metals (arsenic, barium, cadmium, total chromium, lead, mercury, selenium and silver). VOC analyses included methyl tertiary-butyl ether (MTBE), ethylene dibromide (EBD). Table 3.5 presents a summary of the analytical results from the Area 19 monitoring wells. The inorganic background concentrations for this portion of CNC are shown for comparison.

No VOCs, including MTBE and EDB, were detected in samples from the shallow groundwater monitoring wells at Area 19. No RBSL SVOCs were detected at the site's shallow wells.

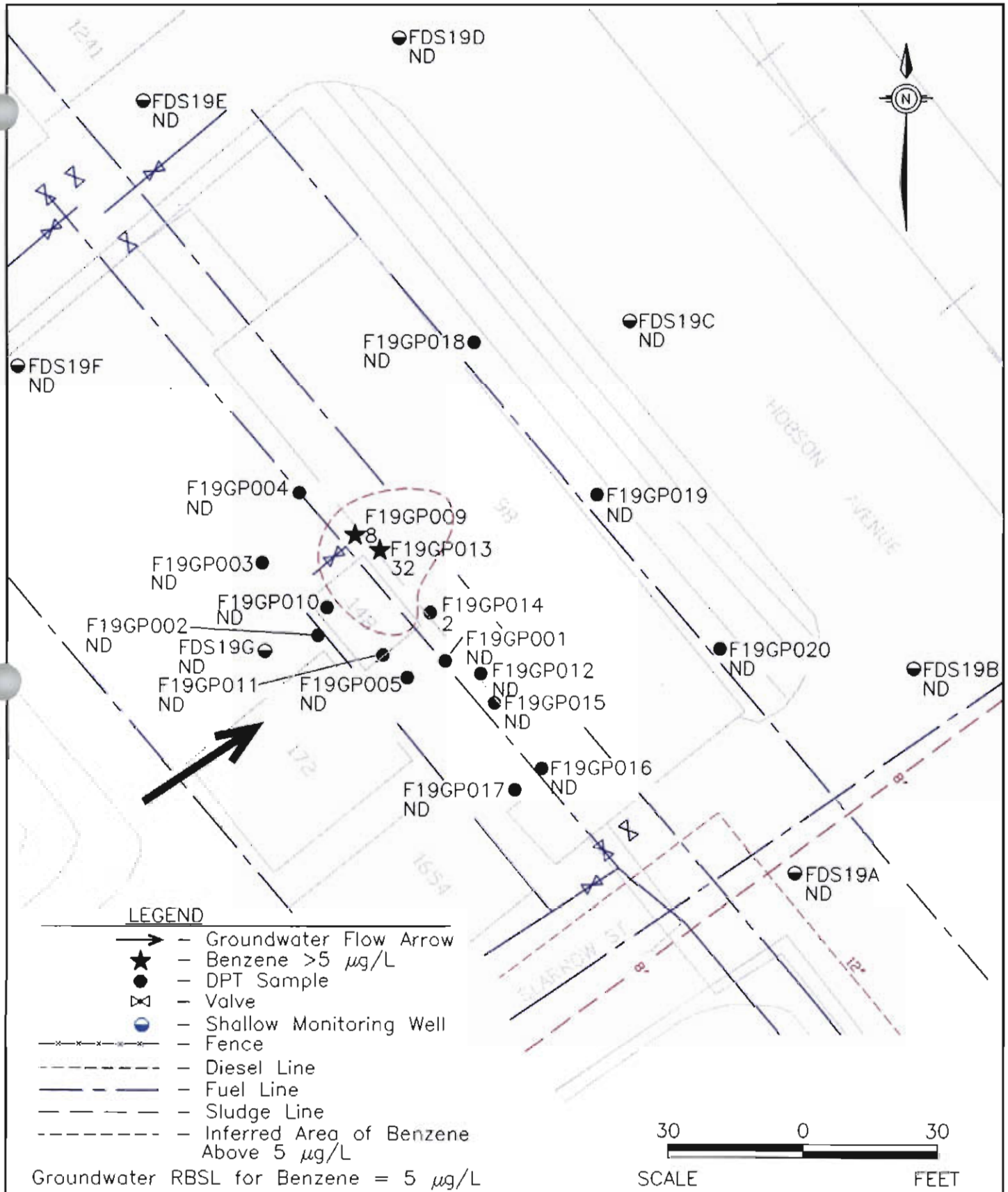

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FIGURE 3-6
AREA 19
BENZENE IN SHALLOW GROUNDWATER

DWG DATE: 06/06/00 | DWG NAME: 0144R011

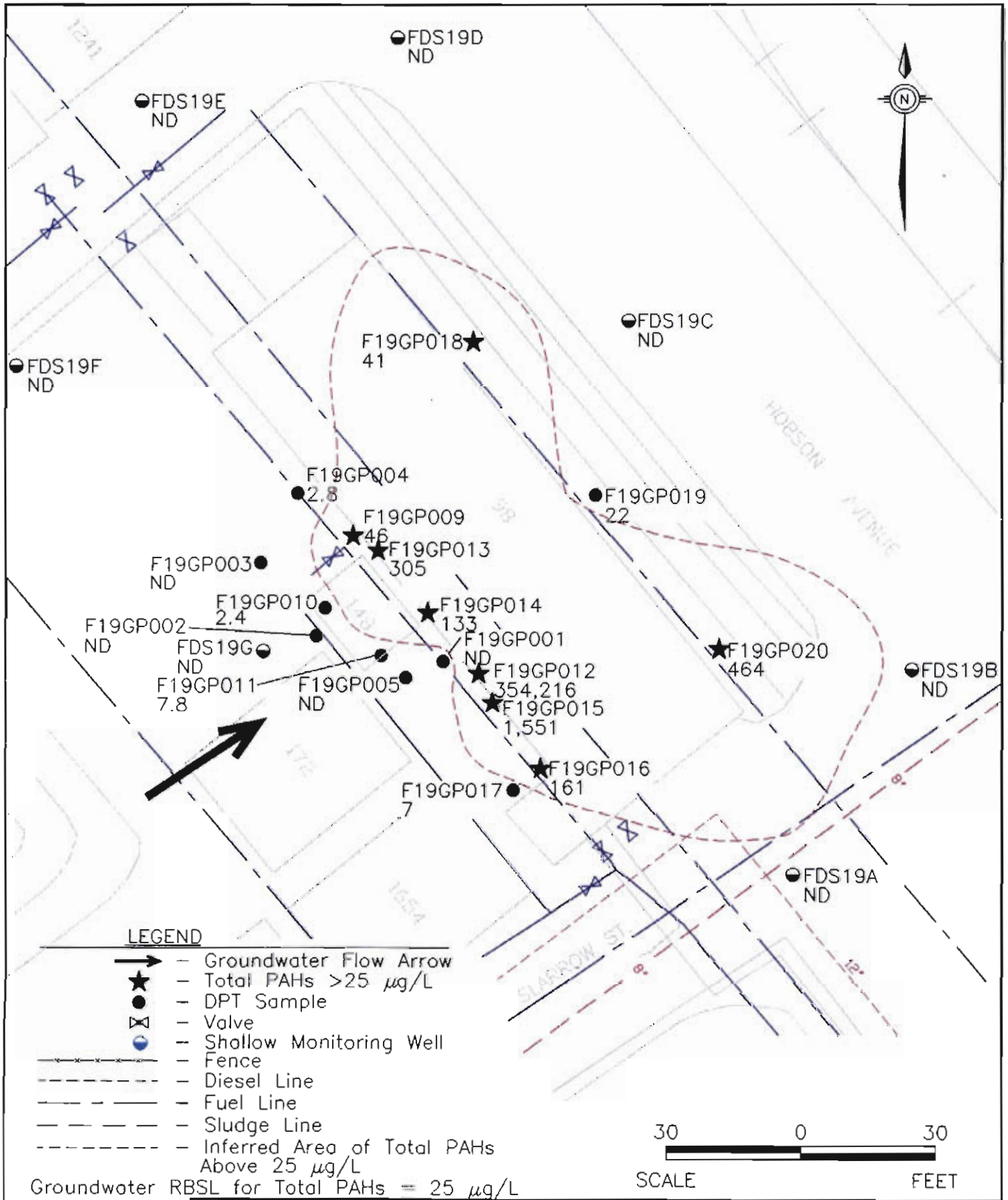

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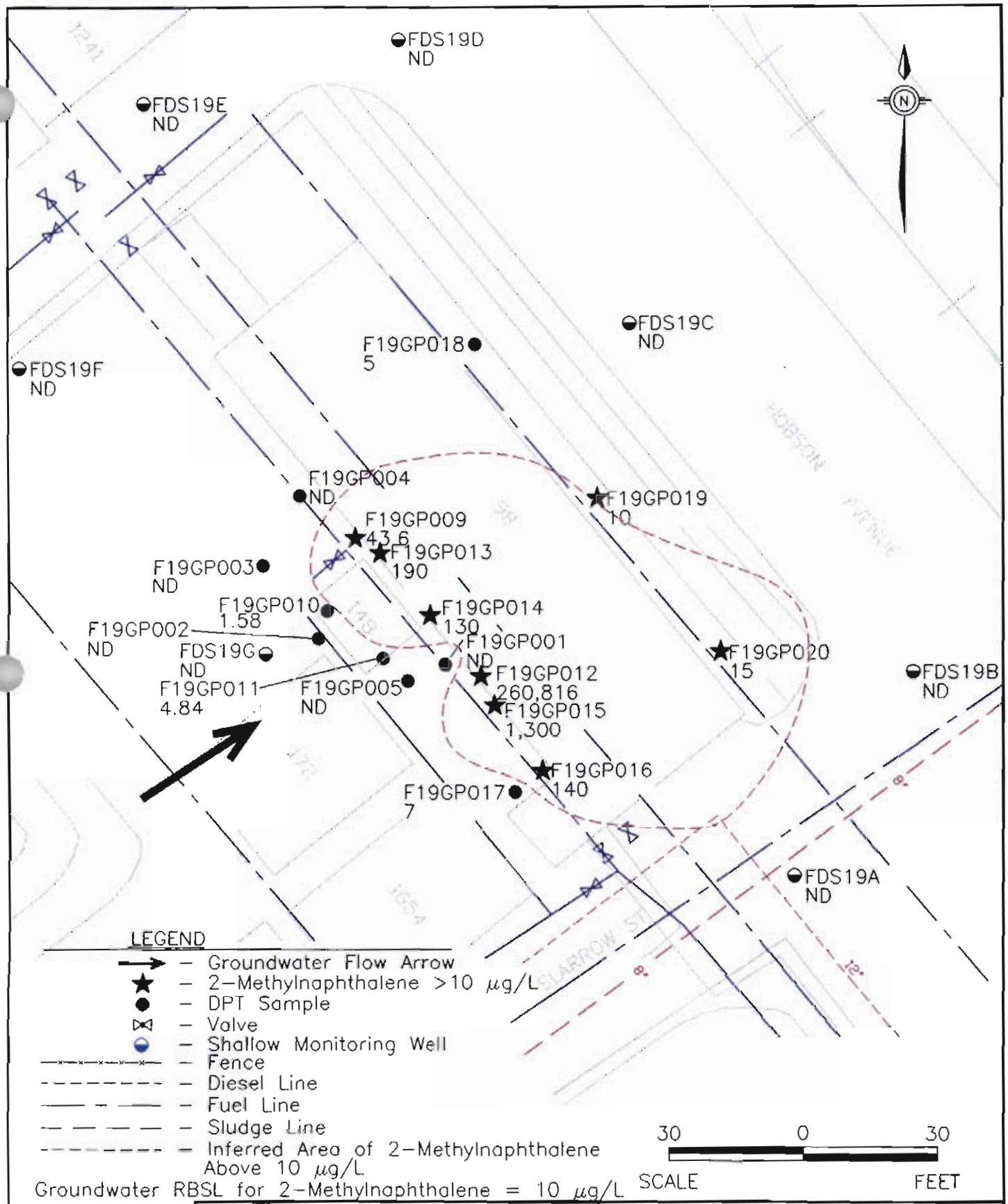
FIGURE 3-7
AREA 19
TOTAL PAHs
IN SHALLOW GROUNDWATER

DWG DATE: 06/06/00 | DWG NAME: 0144R012



Groundwater RBSL for 2-Methylnaphthalene = 10 µg/L

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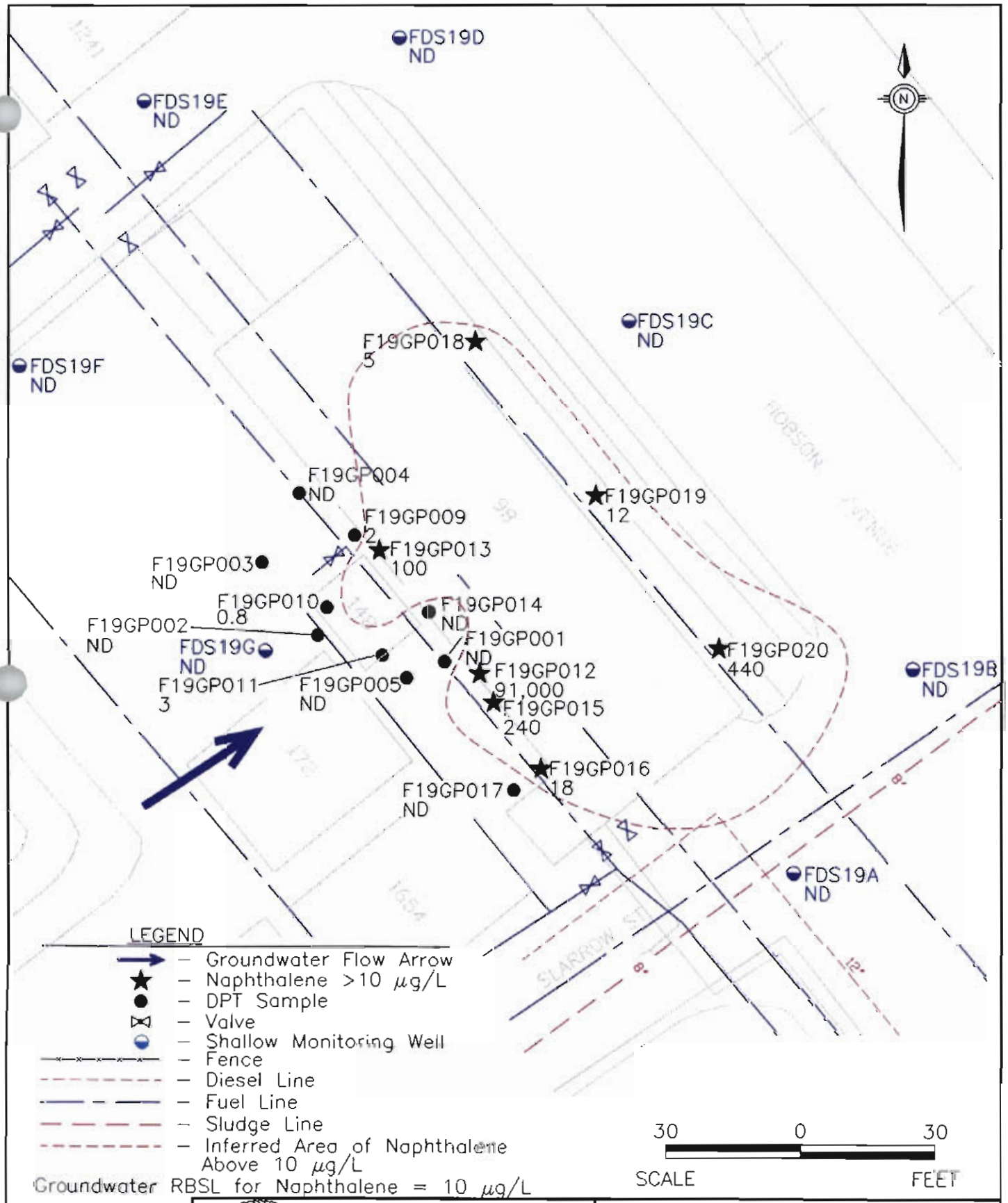
FIGURE 3-8
AREA 19
2-METHYLNAPHTHALENE
IN SHALLOW GROUNDWATER

DWG DATE: 06/06/00 | DWG NAME: 0144R013



FUEL DISTRIBUTION SYSTEM
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FIGURE 3-9
AREA 19
NAPHTHALENE
IN SHALLOW GROUNDWATER

DWG DATE: 06/06/00 | DWG NAME: 0144R014

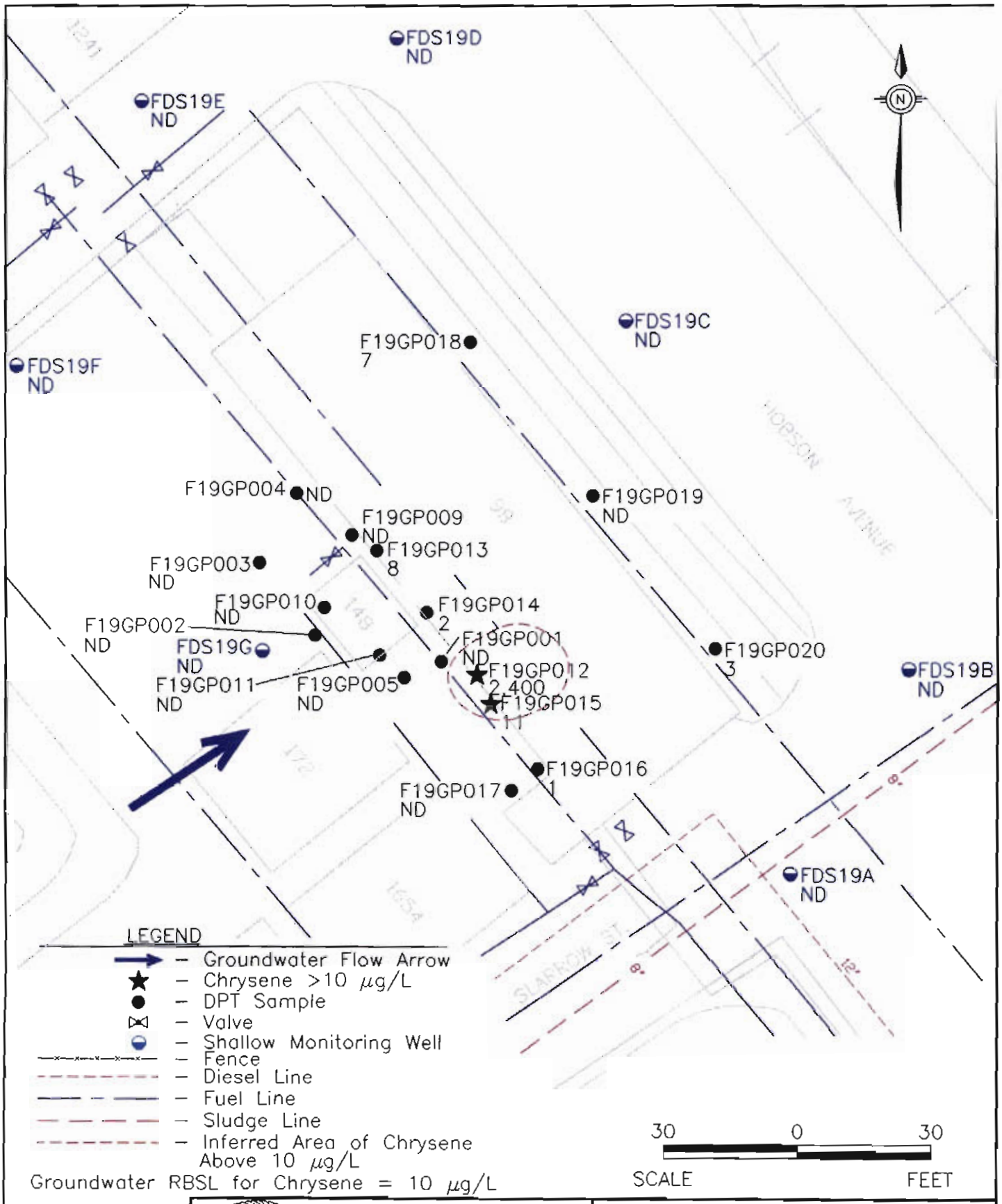

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FIGURE 3-10
AREA 19
CHRYSENE IN SHALLOW GROUNDWATER

DWG DATE: 06/06/00 | DWG NAME: 0144R015

Table 3.4
Area 19
Groundwater Samples and Analyses

Well Identifier	Sample Identifier	Date Sampled	Analyses
FDS19A	FDS19A01	11/29/99	VOCs, SVOCs, Metals, MTBE, EDB
FDS19B	FDS19B01	11/30/99	VOCs, SVOCs, Metals, MTBE, EDB
FDS19C	FDS19C01	11/30/99	VOCs, SVOCs, Metals, MTBE, EDB
FDS19D	FDS19D01	11/30/99	VOCs, SVOCs, Metals, MTBE, EDB
FDS19E	FDS19E01	11/30/99	VOCs, SVOCs, Metals, MTBE, EDB
FDS19F	FDS19F01	11/29/99	VOCs, SVOCs, Metals, MTBE, EDB
FDS19G	FDS19G01	11/29/99	VOCs, SVOCs, Metals, MTBE, EDB

Notes:
EBD = Ethylene dibromide
MTBE = Methyl tertiary-butyl ether
SVOCs = Semivolatile Organic Compounds
VOCs = Volatile Organic Compounds
Metals = Arsenic, barium, cadmium, total chromium, lead, mercury, selenium, silver

Table 3.5
Area 19
Summary of Monitoring Well Analytical Results

Parameters	Location	Concentration	RBSL	Shallow Background	Exceed RBSL
Semivolatile Organic Compounds (µg/L)					
Benzoic acid	FDS19A	9	NL	NA	NA
	FDS19B	19			
	FDS19C	6			
	FDS19D	6			
	FDS19E	6			
	FDS19G	8			
bis(2-Ethylhexyl)phthalate	FDS19B	41	NL	NA	NA
Butylbenzylphthalate	FDS19B	1	NL	NA	NA
Di-n-butylphthalate	FDS19A	1	NL	NA	NA
	FDS19B	1			
	FDS19C	1			
	FDS19E	1			
	FDS19F	1			

Table 3.5
Area 19
Summary of Monitoring Well Analytical Results

Parameters	Location	Concentration	RBSL	Shallow Background	Exceed RBSL
Inorganics (μg/L)					
Arsenic (As)	FDS19A	13.2	50	17.8	No
	FDS19B	8.2			No
	FDS19C	4.1			No
	FDS19D	17			No
	FDS19E	3.3			No
	FDS19F	20.6			No
	FDS19G	5.2			No
Barium (Ba)	FDS19A	293	2,000	31	No
	FDS19B	217			No
	FDS19C	46 7			No
	FDS19D	42.7			No
	FDS19E	46.2			No
	FDS19F	81.8			No
	FDS19G	32.6			No
Chromium (Cr)	FDS19A	0.73	100	3.88	No
	FDS19B	1.9			No
	FDS19C	2.7			No
	FDS19D	1			No
	FDS19E	1.5			No
	FDS19F	3.1			No
	FDS19G	6.7			No
Lead (Pb)	FDS19C	4 9	15	4.6	No
	FDS19F	3 2			No

Notes:
NL = Not listed
NA = Not applicable
μg/L = Micrograms per liter
RBSLs from the *South Carolina Risk-Based Corrective Action for Petroleum Releases* (SCDHEC, January 5, 1998) were used as reference concentrations.
Bolded concentrations exceed RBSL.

The RBSL metals arsenic, barium, chromium and lead were detected in the Area 19 shallow wells, at concentrations below their respective RBSLs.

Groundwater flows to the northeast at Area 19, and any COCs migrating in shallow groundwater would likely be detected at downgradient monitoring wells FDS19B, FDS19C, or FDS19D. No

RBSLs were exceeded in the Area 19 monitoring well samples. The area of groundwater contamination defined during the DPT sampling appears to be localized on the southwest side of Building 98 or along the pipeline paralleling Hobson Avenue on the northeast side of the building. The area of affected groundwater as previously presented on Figures 3-6 through 3-10, is contained by wells which exhibit no groundwater contamination, therefore groundwater COCs are considered delineated at Area 19.

3.2 Area 20

History

The RFA includes Area 20 as a part of AOC 626. This AOC consists of the former Naval Supply Center Fuel Farm, which includes several large and small fuel tanks, various pumping and piping systems, and waste oil and wastewater processing plants. Area 20 encompasses the intersection of Hobson Avenue and Viaduct Road, under which various petroleum supply pipelines of the CNC FDS traverse from the Chicora Tank Farm towards the piers along the waterfront of the Cooper River. The FDS CAR (EnSafe, September 10, 1998), identified Area 20 as requiring additional assessment due to petroleum contamination of soil and groundwater discovered during IM activities at the site. Numerous petroleum product spills have occurred at Area 20 over time. In 1983, a broken weld on a pipeline reducer at the east side of Hobson Avenue and Viaduct road released approximately 7,000 gallons of fuel oil. In 1990, an underground pipeline break at Hobson Avenue and Viaduct Road spilled approximately 4,000 gallons of fuel oil. In September of 1994, an unspecified amount of diesel fuel was released from an underground pipeline leak at the southwest corner of Hobson Avenue and Viaduct Road.

Previous Investigations

In July of 1995, The Naval Facilities Engineering Service Center (NFESC) performed a site characterization within the AOC 626 area using a Site Characterization and Analysis Penetrometer System (SCAPS). The objective of the NFESC's investigation was to define the extent of PAH

contamination in the area outside the Fuel Farm. Confirmatory soil samples were also collected from depths coinciding with the suspected contamination areas. The SCAPS investigation, in conjunction with the confirmatory soil sampling, failed to reveal extensive petroleum contamination in soil at the site. A copy of the SCAPS report is contained in Appendix G of the FDS CAR (EnSafe, September 10, 1998).

In December of 1996, the SPORTENVDETCHASN performed an IM at the site area to remove a portion of the 18-inch diameter abandoned fuel pipeline buried beneath the site, remove petroleum saturated soil found during the excavation, and install a free product recovery system, if required. Initial excavations during this removal action revealed heavily stained soil to five feet bgs, with free product leaching from the sides of the open excavation. A total of 229 linear feet of the 18-inch diameter fuel pipeline were removed from where the pipeline traversed beneath Viaduct Road. Approximately 450 cubic yards of petroleum contaminated soil were also removed during the IM. A 200-foot, horizontal, perforated, polyvinyl chloride (PVC) free product recovery system was installed, along with PVC vertical standoffs for product recovery. Approximately 40,000 gallons of water mixed with oil was recovered from the site by this system. A copy of this report is contained in Appendix F of the FDS CAR (EnSafe, September 10, 1998).

3.2.1 Field Investigation Approach

The objectives of the field investigation at Area 20 were to confirm the results of earlier sampling efforts and delineate the extent of soil and groundwater contamination detected by previous investigations. DPT subsurface soil and groundwater samples were collected to characterize site conditions. Initial DPT sampling focused on areas of contamination identified during the previous site activities. Since metals are not included under the list of RBSL COCs for soil, DPT soil samples were analyzed for RBSL, VOCs and SVOCs. Table 3.6 presents the DPT soil and groundwater samples and analyses for Area 20.

Table 3.6
Area 20
DPT Soil and Groundwater Samples and Analyses

Boring Location	Sample Identifier	Medium	Date Collected	Analyses
P001	F20SP00111	Soil	1/22/99	VOCs, SVOCs
	F20GP00101	Groundwater	1/29/99	VOCs, SVOCs, Metals
P002	F20SP00206	Soil	1/22/99	VOCs, SVOCs
	F20GP00201	Groundwater	1/29/99	VOCs, SVOCs, Metals
P003	F20SP00308	Soil	1/22/99	VOCs, SVOCs
	F20GP00301	Groundwater	1/29/99	VOCs, SVOCs, Metals
P004	F20SP00403	Soil	1/29/99	VOCs, SVOCs
	F20GP00401	Groundwater	1/29/99	VOCs, SVOCs, Metals
P005	F20SP00511	Soil	1/26/99	VOCs, SVOCs
	F20GP00501	Groundwater	1/29/99	VOCs, SVOCs, Metals
P006	F20SP00606	Soil	1/27/99	VOCs, SVOCs
	F20GP00601	Groundwater	1/29/99	VOCs, SVOCs, Metals
P007	F20SP00719	Soil	1/26/99	VOCs, SVOCs
P008	F20GP00801	Groundwater	1/29/99	VOCs, SVOCs, Metals
P009	F20SP00921	Soil	1/27/99	VOCs, SVOCs
P010	F20SP01002	Soil	1/27/99	VOCs, SVOCs
P012	F20SP01210	Soil	1/27/99	VOCs, SVOCs
P013	F20SP01309	Soil	1/27/99	VOCs, SVOCs
P014	F20SP01404	Soil	1/28/99	VOCs, SVOCs
P015	F20SP01509	Soil	1/28/99	VOCs, SVOCs
P016	F20SP01609	Soil	1/28/99	VOCs, SVOCs
P017	F20SP01709	Soil	1/27/99	VOCs, SVOCs
P018	F20GP01801	Groundwater	5/07/99	VOCs, SVOCs
P019	F20SP01906	Soil	5/07/99	VOCs, SVOCs
	F20GP01901	Groundwater	5/07/99	"
P020	F20SP02006	Soil	5/07/99	VOCs, SVOCs
	F20GP02001	Groundwater	5/07/99	"
P021	F20SP02106	Soil	5/07/99	VOCs, SVOCs
P022	F20SP02204	Soil	5/07/99	VOCs, SVOCs
	F20GP02201	Groundwater	5/10/99	"
P023	F20SP02307	Soil	5/07/99	VOCs, SVOCs
P024	F20SP02407	Soil	5/07/99	VOCs, SVOCs
	F20GP02401	Groundwater	5/10/99	"

Table 3.6
Area 20
DPT Soil and Groundwater Samples and Analyses

Boring Location	Sample Identifier	Medium	Date Collected	Analyses
P025	F20SP02505	Soil	5/07/99	VOCs, SVOCs
	F20GP02501	Groundwater	5/10/99	"
P026	F20SP02608	Soil	5/07/99	VOCs, SVOCs
	F20GP02601	Groundwater	5/10/99	"
P027	F20SP02708	Soil	5/07/99	VOCs, SVOCs
	F20GP02701	Groundwater	5/11/99	"
P028	F20GP02801	Groundwater	5/11/99	VOCs
P029	F20SP02907	Soil	5/07/99	VOCs, SVOCs
	F20GP02901	Groundwater	5/11/99	"
P030	F20SP03005	Soil	5/07/99	VOCs, SVOCs
	F20GP03001	Groundwater	5/11/99	"
P031	F20GP03101	Groundwater	6/24/99	VOCs, SVOCs
P032	F20GP03201	Groundwater	6/24/99	VOCs, SVOCs
P033	F20GP03301	Groundwater	6/24/99	VOCs

Notes:
Sample P011 was not collected
SVOCs = Semivolatile Organic Compounds
VOCs = Volatile Organic Compounds

Initially, DPT groundwater samples were analyzed for RBSL parameter VOCs, SVOCs and metals. However, it was found that the turbidity of the collected groundwater could not be controlled. Because of this, analyses for RBSL metals were dropped from subsequent DPT groundwater samples at Area 20. The few metals results obtained are not considered to be representative of site groundwater and are not discussed in this report. Subsequent DPT sampling locations were selected to delineate the horizontal extent of contamination around RBSL parameter exceedances. Once the groundwater was characterized via the DPT sampling, six permanent shallow groundwater monitoring wells were installed to confirm the DPT results and facilitate future monitoring (see Table 2.1). Figure 3-11 presents the site features and the soil and groundwater sample locations.

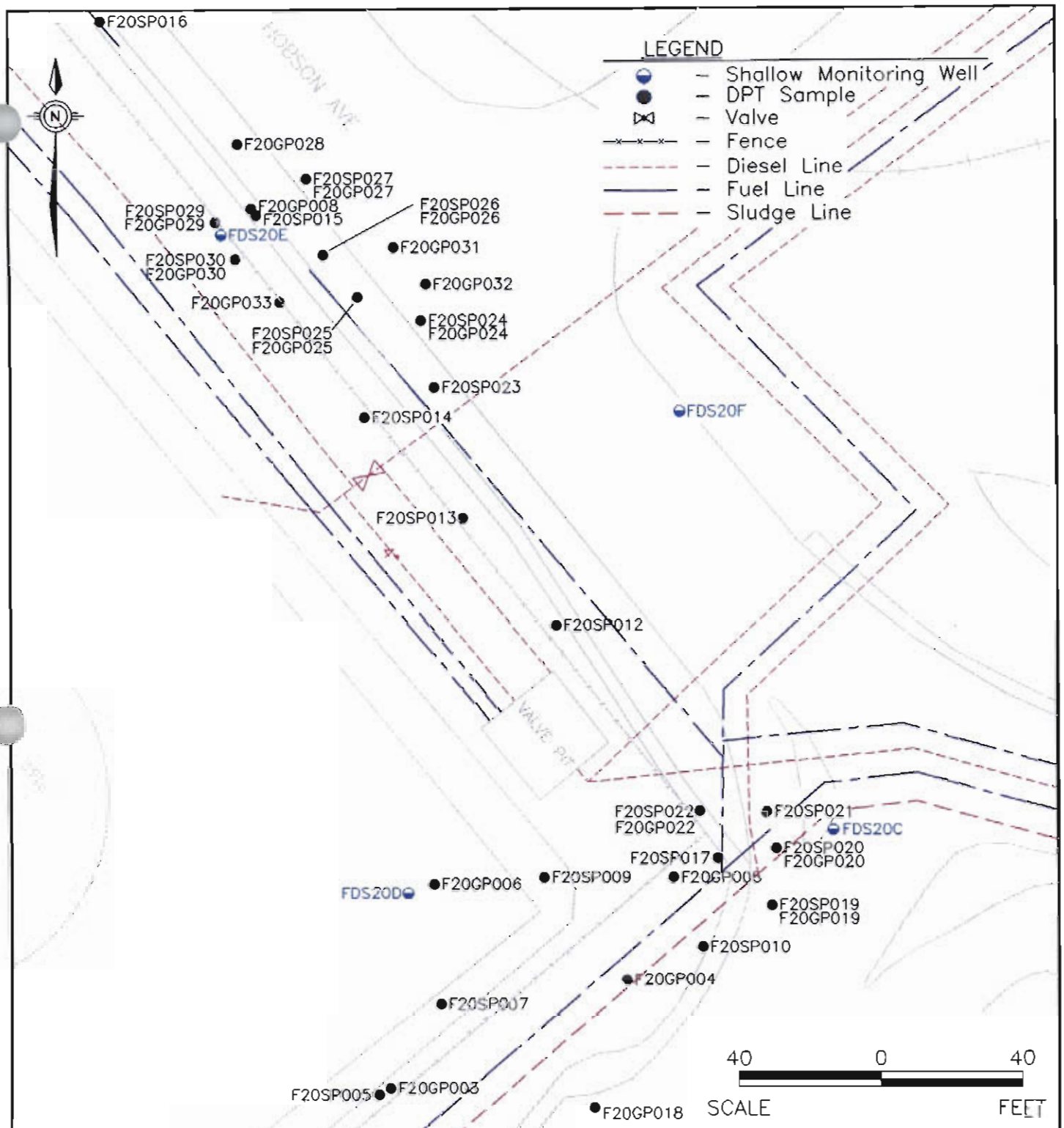

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FIGURE 3-11
AREA 20
SOIL AND GROUNDWATER
SAMPLING LOCATIONS

DWG DATE: 06/06/00 | DWG NAME: 0144R002

3.2.2 Soil Sample Results

Twenty-six DPT soil borings were advanced at Area 20. Subsurface soil sample results from these borings were compared to the groundwater protection RBSLs. No free product was observed. No surface soil samples were collected because the release mechanism was below grade. Table 3.7 presents a summary of the results of the DPT soil sampling.

Four VOCs, including benzene, ethylbenzene, toluene, and xylene (total), were detected in subsurface soil samples collected at Area 20. Benzene exceeded the groundwater protection RBSL (5 μg/kg) at DPT boring location F20SP014 (38 μg/kg). The other benzene detection at F20SP023 (3μg/kg) was below the RBSL. Figure 3-12 presents the distribution of benzene in subsurface soil at Area 20. All detections of ethylbenzene, toluene, and xylene (total) were below their respective RBSLs.

Naphthalene and/or total naphthalenes exceeded the groundwater protection RBSL (210 μg/kg for each constituent) at DPT boring locations F20SP001, F20SP014, F20SP017, F20SP019, F20SP023 and F20SP024. Figures 3-13 and 3-14 present the distribution of total naphthalenes and naphthalene respectively at Area 20. F20SP019 is located in the roadbed where Viaduct Road intersects Hobson Avenue, adjacent to the former excavation. F20SP001 and F20SP017 are located at either end of the footprint of the pipeline excavation. F20SP014, F20SP023 and F20SP024 are located northwest of the removal area along the FDS pipeline corridor near the diesel fuel line which crosses Hobson Avenue. With the exception of benzene, naphthalene and total naphthalenes, no other organic detections in soil exceeded their respective groundwater protection RBSL.

The areas of DPT soil exceedances above appropriate RBSLs at Area 20 are adjacent to the footprint of the pipeline IM along Viaduct Road, and northwest of the removal area along Hobson Avenue. The northwestern area of RBSL exceedances are likely related to the fuel pipelines located in this portion of Area 20.

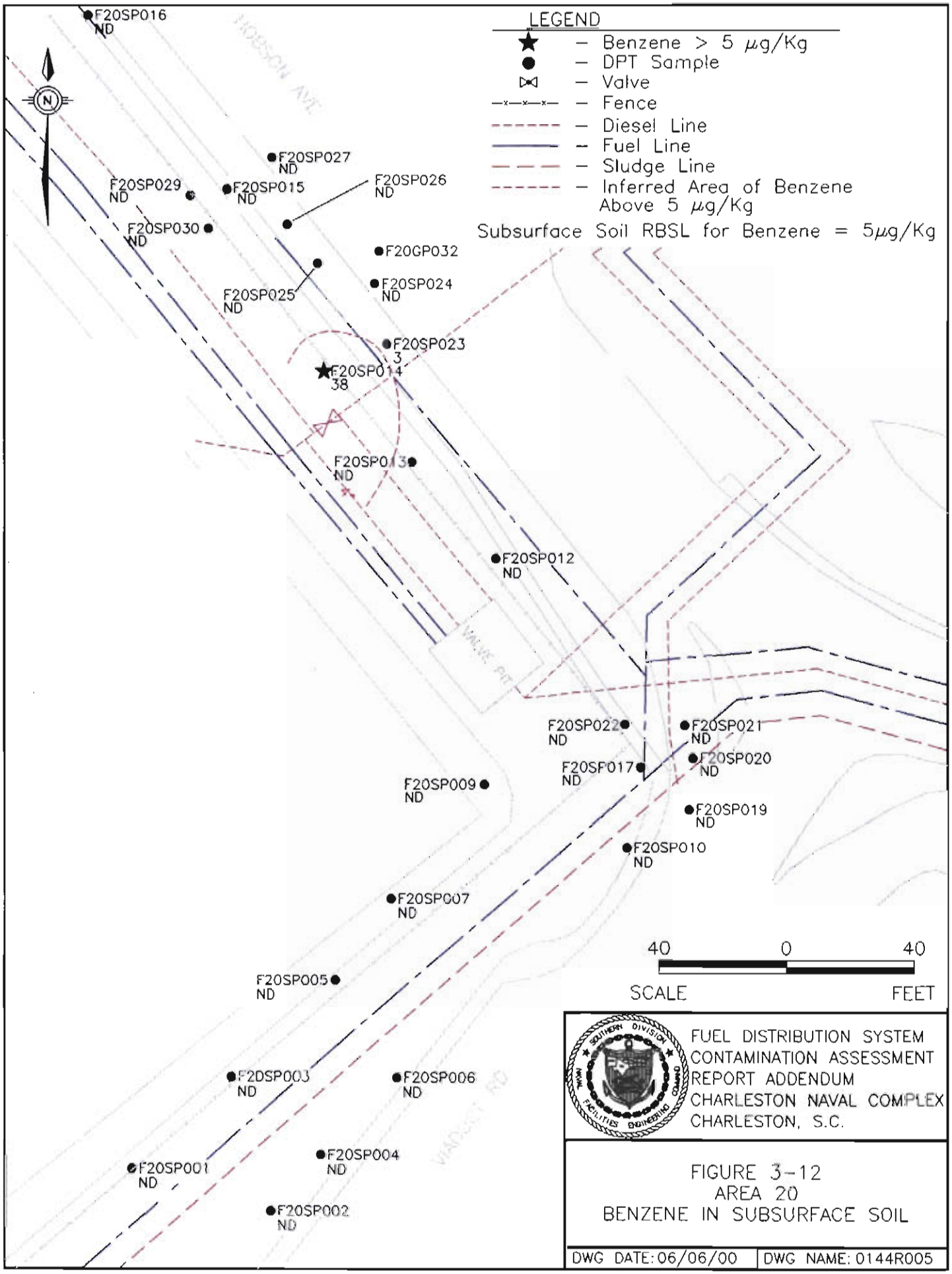

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FIGURE 3-12
AREA 20
BENZENE IN SUBSURFACE SOIL

DWG DATE: 06/06/00 | DWG NAME: 0144R005

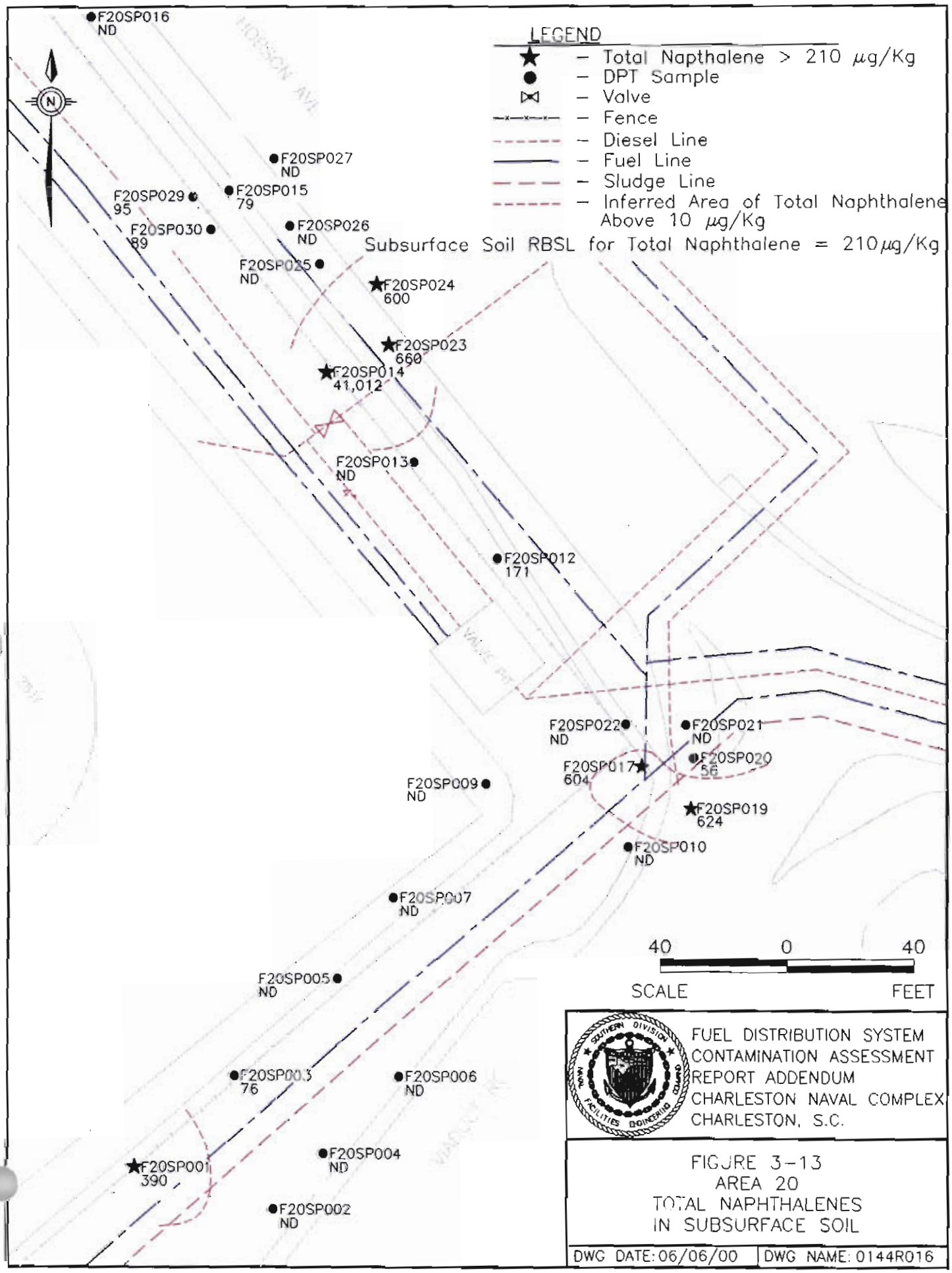

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FIGURE 3-13
AREA 20
TOTAL NAPHTHALENES
IN SUBSURFACE SOIL

DWG DATE: 06/06/00 | DWG NAME: 0144R016

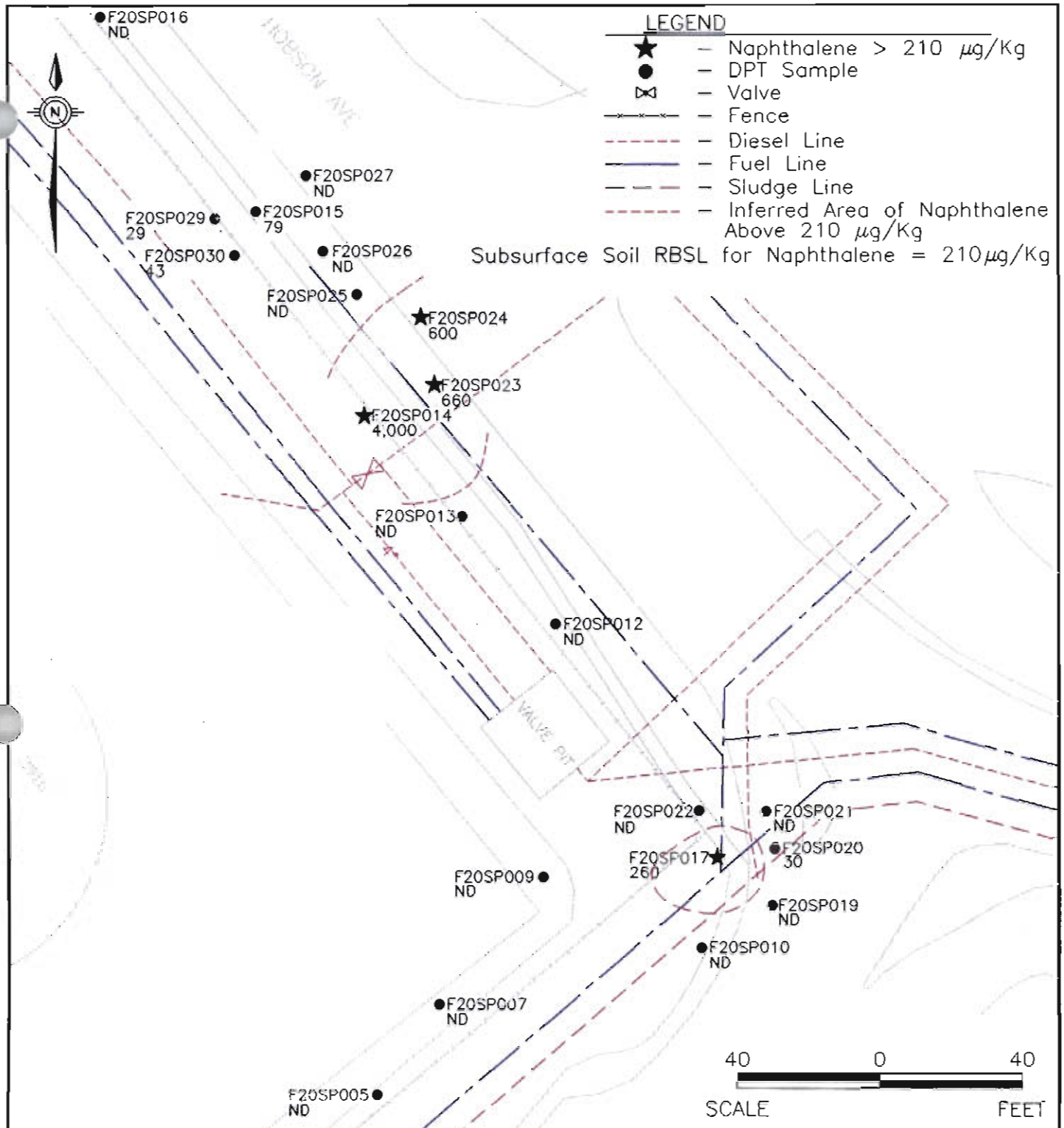

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FIGURE 3-14
AREA 20
NAPHTHALENE
IN SUBSURFACE SOIL

DWG DATE: 06/06/00 | DWG NAME: 0144R017

Table 3.7
Area 20
Summary of DPT Soil Analytical Results

Parameters	Location	Subsurface Conc.	Groundwater Protection RBSL	Exceeds Groundwater Protection RBSL
Volatile Organic Compounds (μg/kg)				
Benzene	**F20SP014**	**38**	**5**	**Yes**
	F20SP023	**3**		**No**
Ethylbenzene	F20SP014	11	1,260	No
	F20SP024	1		No
Toluene	**F20SP014**	**1**	**1,622**	**No**
	F20SP021	**2**		**No**
	F20SP030	**2**		**No**
Xylene (Total)	F20SP001	1	42,471	No
	F20SP014	13		No
	F20SP023	5		No
Semivolatile Organic Compounds (μg/kg)				
Total Naphthalenes	F20SP001	**390**	**210**	**Yes**
	F20SP003	76		No
	F20SP012	171		No
	F20SP014	**41,012**		**Yes**
	F20SP015	79		No
	F20SP017	**604**		**Yes**
	F20SP019	**624**		**Yes**
	F20SP020	56		No
	F20SP023	**660**		**Yes**
	F20SP024	**600**		**Yes**
	F20SP029	95		No
	F20SP030	89		No
Naphthalene	F20SP001	**390**	210	Yes
	F20SP003	76		No
	F20SP014	**4,000**		Yes
	F20SP015	79		No
	F20SP017	**260**		Yes
	F20SP020	30		No
	F20SP023	**660**		Yes
	F20SP024	**600**		Yes
	F20SP029	29		No
	F20SP030	43		No
2-methylnaphthalene	F20SP012	171	NL	NA
	F20SP014	37,012		
	F20SP015	121		
	F20SP017	344		
	F20SP019	624		
	F20SP020	26		
	F20SP029	66		
	F20SP030	46		

Table 3.7
Area 20
Summary of DPT Soil Analytical Results

Parameters	Location	Subsurface Conc.	Groundwater Protection RBSL	Exceeds Groundwater Protection RBSL
Semivolatile Organic Compounds (μg/kg)				
Benzo(a)anthracene	F20SP001	1,900	73,084	No
	F20SP003	580		No
	F20SP004	60		No
	F20SP005	120		No
	F20SP006	100		No
	F20SP012	190		No
	F20SP014	220		No
	F20SP015	660		No
	F20SP016	1,200		No
	F20SP017	3,900		No
	F20SP019	220		No
	F20SP020	210		No
	F20SP021	200		No
	F20SP022	160		No
	F20SP023	170		No
	F20SP024	40		No
	F20SP025	120		No
	F20SP027	35		No
	F20SP029	95		No
	F20SP030	200		No
Benzo(b)fluoranthene	F20SP001	730	29,097	No
	F20SP003	710		No
	F20SP004	60		No
	F20SP005	95		No
	F20SP006	95		No
	F20SP012	48		No
	F20SP014	220		No
	F20SP015	790		No
	F20SP016	1,200		No
	F20SP017	3,000		No
	F20SP020	100		No
	F20SP021	100		No
	F20SP022	140		No
	F20SP023	79		No
	F20SP024	46		No
	F20SP025	110		No
	F20SP027	41		No
	F20SP029	96		No
	F20SP030	140		No

Table 3.7
Area 20
Summary of DPT Soil Analytical Results

Parameters	Location	Subsurface Conc.	Groundwater Protection RBSL	Exceeds Groundwater Protection RBSL
Semivolatile Organic Compounds (µg/kg)				
Benzo(k)fluoranthene	**F20SP001**	**590**	**231,109**	**No**
	F20SP003	**560**		**No**
	F20SP004	**43**		**No**
	F20SP005	**73**		**No**
	F20SP006	**81**		**No**
	F20SP012	**57**		**No**
	F20SP014	**140**		**No**
	F20SP015	**720**		**No**
	F20SP016	**920**		**No**
	F20SP017	**2,800**		**No**
	F20SP020	**110**		**No**
	F20SP021	**110**		**No**
	F20SP022	**140**		**No**
	F20SP023	**53**		**No**
	F20SP024	**30**		**No**
	F20SP025	**120**		**No**
	F20SP027	**29**		**No**
	F20SP029	**85**		**No**
	F20SP030	**170**		**No**
Chrysene	F20SP001	3,200	12,998	No
	F20SP003	1,000		No
	F20SP004	64		No
	F20SP005	220		No
	F20SP006	180		No
	F20SP012	250		No
	F20SP013	52		No
	F20SP014	410		No
	F20SP015	740		No
	F20SP016	1,200		No
	F20SP017	3,700		No
	F20SP019	440		No
	F20SP020	220		No
	F20SP021	260		No
	F20SP022	190		No
	F20SP023	310		No
	F20SP024	55		No
	F20SP025	150		No
	F20SP027	45		No
	F20SP029	180		No
	F20SP030	280		No

Notes:
µg/kg = Micrograms per kilogram
RBSLs for groundwater protection from the *South Carolina Risk-Based Corrective Action for Petroleum Releases* (SCDHEC, January 5, 1998) were used as reference concentrations
Bolded concentrations exceed RBSL

3.2.3 Groundwater Sample Results

DPT

Twenty-one DPT groundwater samples were collected at Area 20. Table 3.8 provides a summary of the results of the DPT groundwater analysis at Area 20. No free product was observed. The groundwater analysis revealed no VOC exceedances.

Table 3.8
Area 20
Summary of DPT Groundwater Analytical Results

Parameters	Location	Concentration	RBSL	Exceeds RBSL
Volatile Organic Compound (μg/L)				
Benzene	F19GP005	2	5	No
Ethylbenzene	F19GP005	5	700	No
	F19GP008	5		No
Toluene	F19GP005	4	1,000	No
Xylene (Total)	F19GP005	21	10,000	No
	F19GP008	10		No
	F19GP024	4		No
Semivolatile Organic Compounds (μg/L)				
Total PAHs	F20GP001	14	25	No
	F20GP002	1		No
	F20GP003	19		No
	F20GP004	17		No
	F20GP005	53		Yes
	F20GP006	8		No
	F20GP008	**1,438**		Yes
	F20GP018	7		No
	F20GP022	3		No
	F20GP024	**144**		Yes
	F20GP025	**44**		Yes
	F20GP031	16		No
2-Methylnaphthalene	F20GP001	13	10	Yes
	F20GP003	9.6		No
	F20GP004	**10.9**		Yes
	F20GP005	**32.6**		Yes
	F20GP006	3		No
	F20GP008	**507**		Yes
	F20GP018	0.53		No
	F20GP019	4		No
	F20GP020	6		No
	F20GP022	2		No
	F20GP024	**127**		Yes

Table 3.8
Area 20
Summary of DPT Groundwater Analytical Results

Parameters	Location	Concentration	RBSL	Exceeds RBSL
Semivolatile Organic Compounds (μg/L)				
Naphthalene	F20GP001	1	10	No
	F20GP002	1		No
	F20GP003	3		No
	F20GP004	6		No
	F20GP005	**16**		Yes
	F20GP006	5		No
	F20GP008	**780**		Yes
	F20GP018	0.60		No
	F20GP022	1		No
	F20GP024	9		No
Benzo(a)anthracene	F20GP003	2	10	No
	F20GP005	1		No
	F20GP008	**55**		Yes
	F20GP018	2		No
	F20GP024	2		No
	F20GP025	**15**		Yes
	F20GP031	4		No
Benzo(a)pyrene	F20GP031	4	NL	No
Benzo(b)fluoranthene	F20GP003	2	10	No
	F20GP005	1		No
	F20GP008	**26**		Yes
	F20GP018	1		No
	F20GP024	1		No
	F20GP025	10		No
	F20GP031	4		No
Benzo(k)fluoranthene	F20GP008	**20**	10	Yes
	F20GP018	0.50		No
	F20GP024	0.90		No
	F20GP025	6		No
	F20GP031	3		No
Benzo(g,h,i)perylene	F20GP031	3	NL	NA
Benzoic acid	F20GP031	2	NL	NA
	F20GP032	1		
Chrysene	F20GP003	2	10	No
	F20GP005	2		No
	F20GP008	**50**		Yes
	F20GP018	2		No
	F20GP024	4		No
	F20GP025	**13**		Yes
	F20GP031	5		No
Anthracene	F20GP031	2	NL	NA
Fluoranthene	F20GP031	11	NL	NA

Table 3.8
Area 20
Summary of DPT Groundwater Analytical Results

Parameters	Location	Concentration	RBSL	Exceeds RBSL
Semivolatile Organic Compounds (μg/L)				
Fluorene	F20GP031	0.80	NL	NA
Indeno(1,2,3-cd)pyrene	F20GP031	2	NL	NA
Phenanthrene	F20GP031	5	NL	NA
Phenol	F20GP032	0.60	NL	NA
Pyrene	F20GP031	10	NL	NA
Bis(2-ethylhexyl)phthalate	F20GP031 F20GP032	2 2	NL	NA
Diethylphthalate	F20GP031 F20GP032	0.70 0.60	NL	NA
Di-n-butylphthalate	F20GP031 F20GP032	1 0.50	NL	NA

Notes:
NL = Not listed
NA = Not applicable
μg/L = Micrograms per liter
RBSLs from the *South Carolina Risk-Based Corrective Action for Petroleum Releases* (SCDHEC, January 5, 1998) were used as reference concentrations.
Bolded concentrations exceed RBSL

Several SVOC concentrations exceeded their respective RBSLs, including total PAHs, 2-methylnaphthalene, naphthalene, benzo(a)anthracene, benzo(b)fluoranthene, benzo(k)fluoranthene and chrysene. These exceedances occurred primarily at sample locations F20GP008 and F20GP025. These samples are located near each other within the portion of Area 20 extending along the west side of Hobson Avenue. Naphthalene and 2-methylnaphthalene also exceeded the RBSL at F20GP005, which is located near the intersection of Viaduct Road and Hobson Avenue, adjacent to the footprint of the pipeline excavation. 2-Methylnaphthalene also exceeded the RBSL at F20GP001, F20GP004 and F20GP008, which are primarily located southwest of the pipeline excavation; and at F20GP024 on the westside of Hobson Avenue.

The groundwater COCs are total PAHs, 2-methlnaphthalene, naphthalene, benzo(a)anthracene, benzo(b)fluoranthene, benzo(k)fluoranthene and chrysene. Figures 3-15 through 3-21 present the distribution of these COCs in shallow groundwater at Area 20.

Most DPT groundwater exceedances primarily occurred northwest of the pipeline IM at Area 20, at that portion of the site adjacent to Hobson Avenue. These exceedances are likely related to the fuel pipeline along Hobson Avenue which passes this portion of the site.

Monitoring Wells

Based on the DPT groundwater analytical results, six shallow monitoring wells were installed at Area 20. Table 3.9 depicts the groundwater samples collected from site monitoring wells at Area 20. Groundwater samples at Area 20 were analyzed for groundwater RBSL parameters, including VOCs, SVOCs, and metals. VOC analyses included MTBE and EBD. Table 3.10 presents a summary of the groundwater analytical results for Area 20 monitoring wells.

No VOCs, including MTBE and EBD, were detected in shallow groundwater at Area 20. No SVOCs or inorganics were detected above their respective RBSLs in shallow groundwater.

Groundwater flows to the north at Area 20, and any COCs migrating in shallow groundwater would likely be detected at monitoring wells FDS20E or FDS20F. No RBSLs were exceeded in the Area 20 monitoring well samples. The areas of groundwater contamination identified during the DPT sampling appear to be localized at the site. The area of affected groundwater, as previously presented in figures 3-15 through 3-21, is contained by monitoring wells which exhibit no groundwater contamination, therefore these groundwater COCs are considered delineated at Area 20.

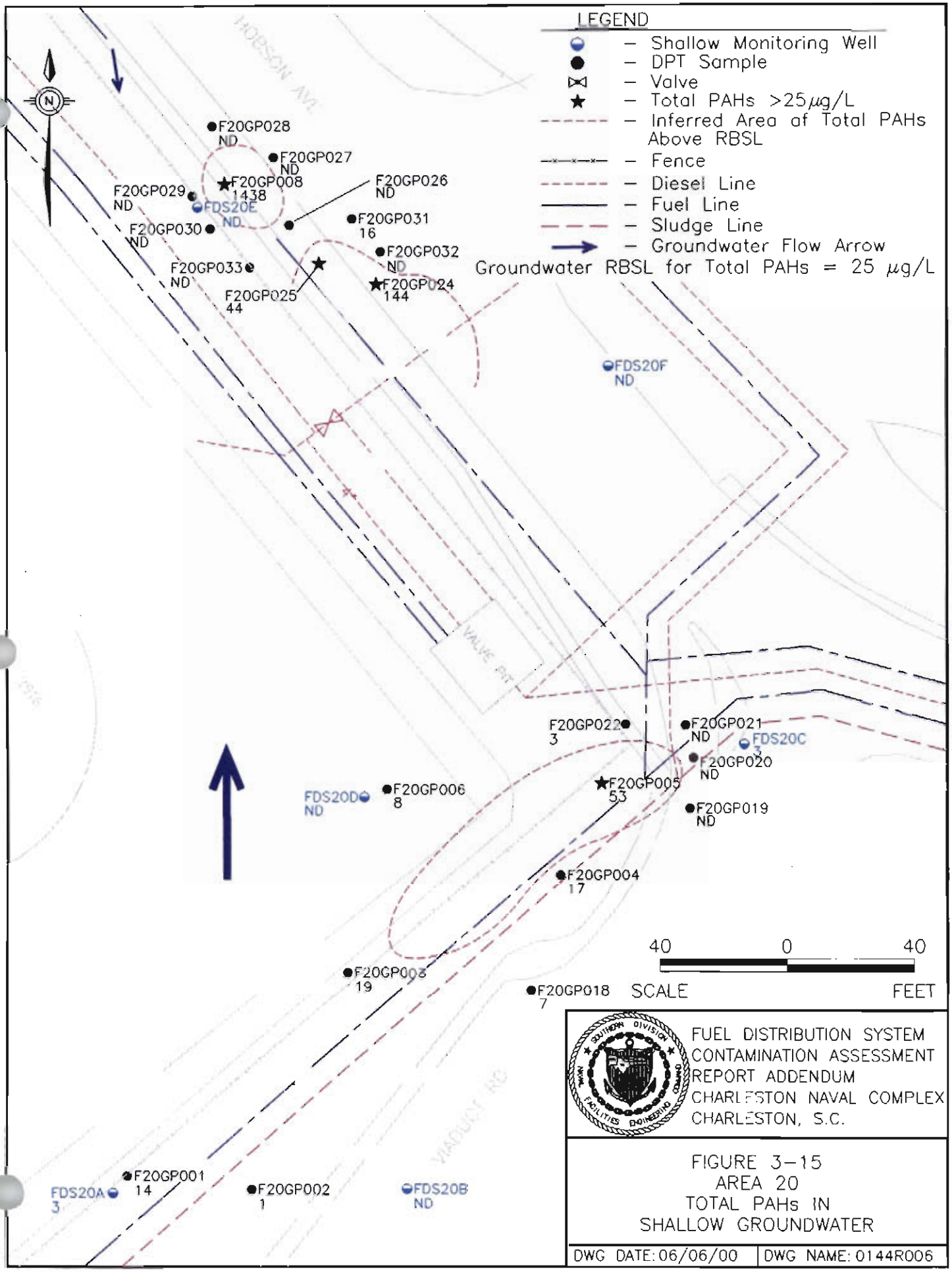

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FIGURE 3-15
AREA 20
TOTAL PAHs IN
SHALLOW GROUNDWATER

DWG DATE: 06/06/00 | DWG NAME: 0144R006

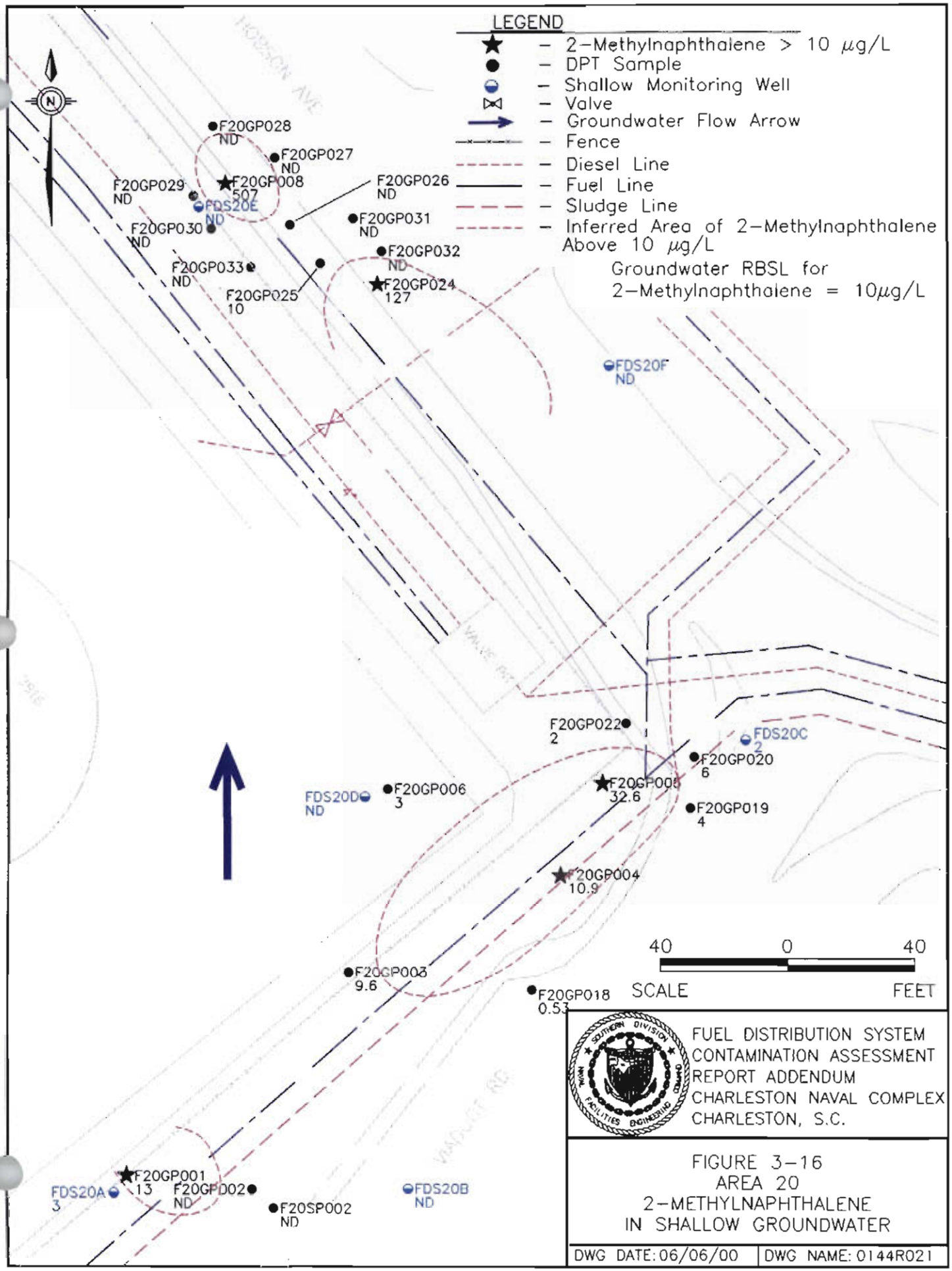

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FIGURE 3-16
AREA 20
2-METHYLNAPHTHALENE
IN SHALLOW GROUNDWATER

DWG DATE: 06/06/00 | DWG NAME: 0144R021

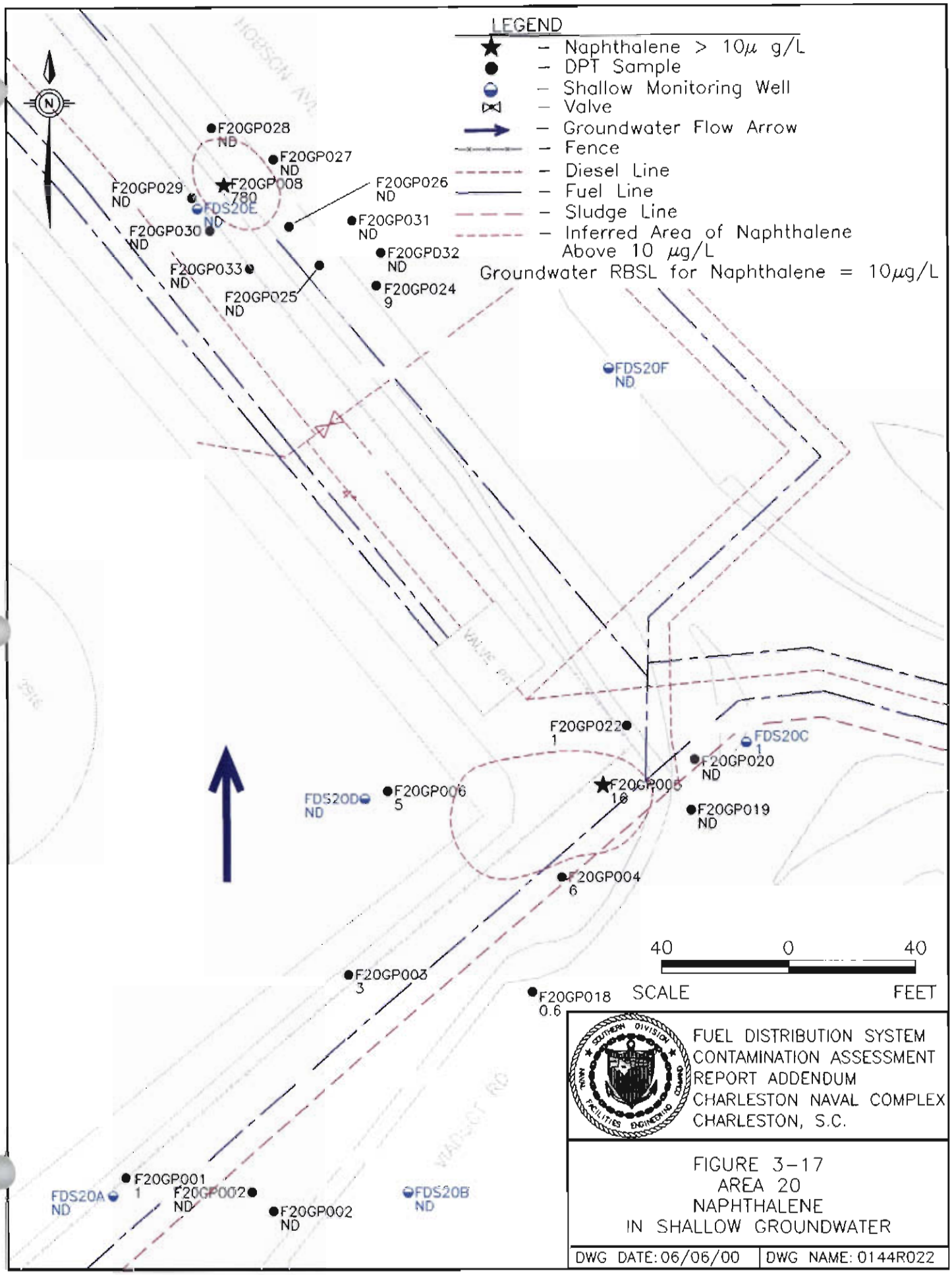

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FIGURE 3-17
AREA 20
NAPHTHALENE
IN SHALLOW GROUNDWATER

DWG DATE: 06/06/00 | DWG NAME: 0144R022

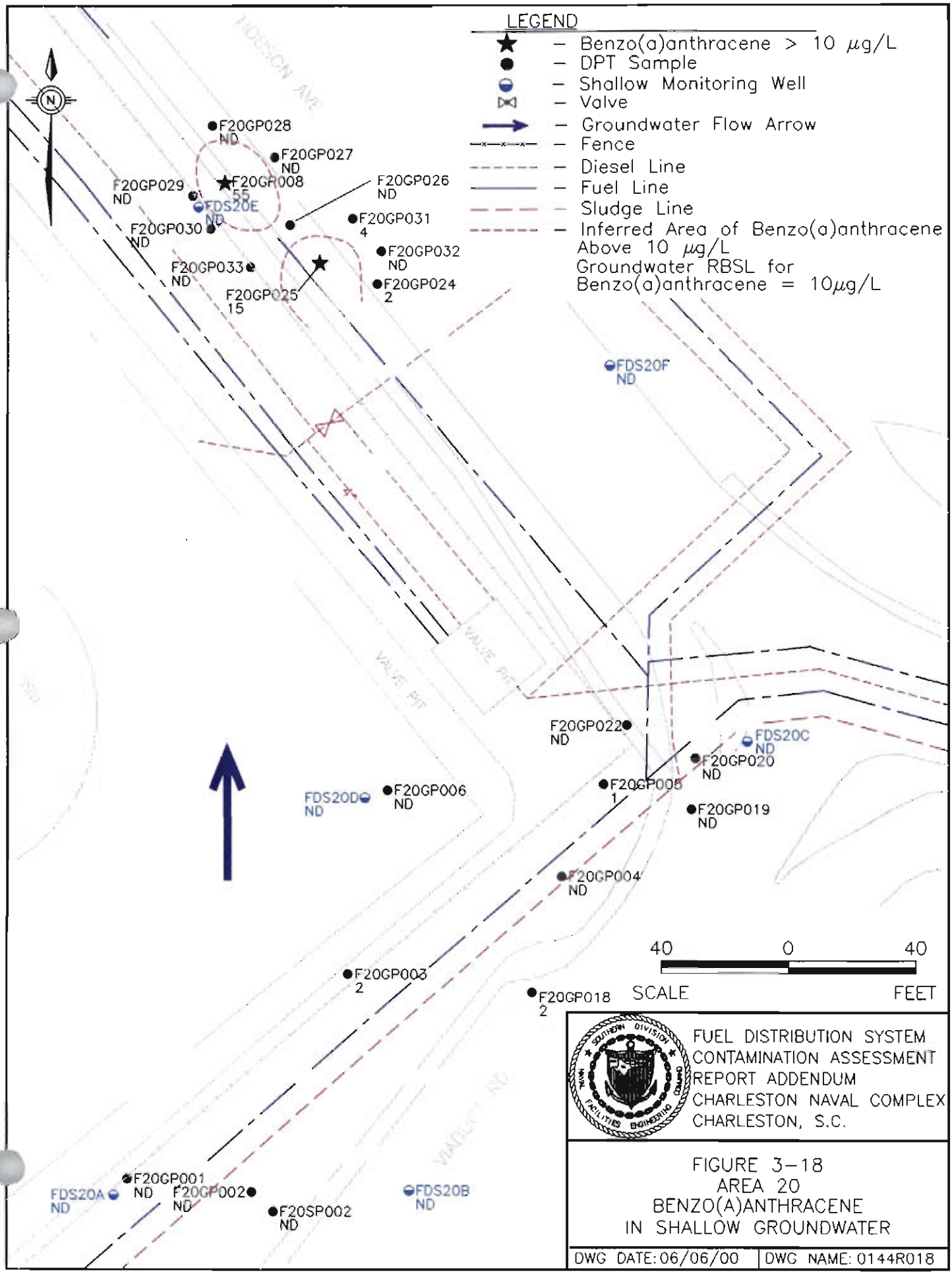

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FIGURE 3–18
AREA 20
BENZO(A)ANTHRACENE
IN SHALLOW GROUNDWATER

DWG DATE: 06/06/00 | DWG NAME: 0144R018

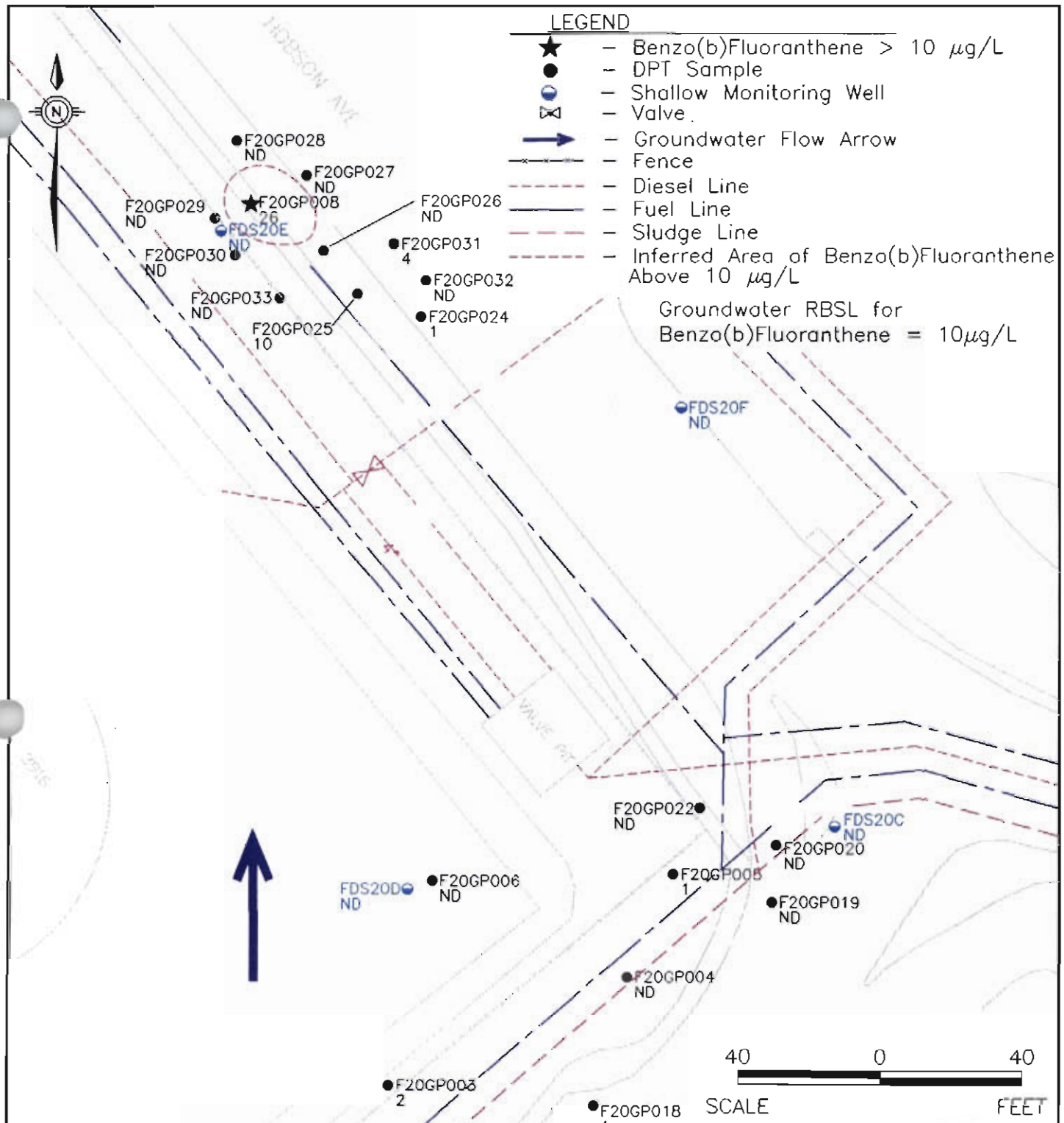

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FIGURE 3-19
AREA 20
BENZO(B)FLUORANTHENE
IN SHALLOW GROUNDWATER

DWG DATE: 06/06/00 | DWG NAME: 0144R019

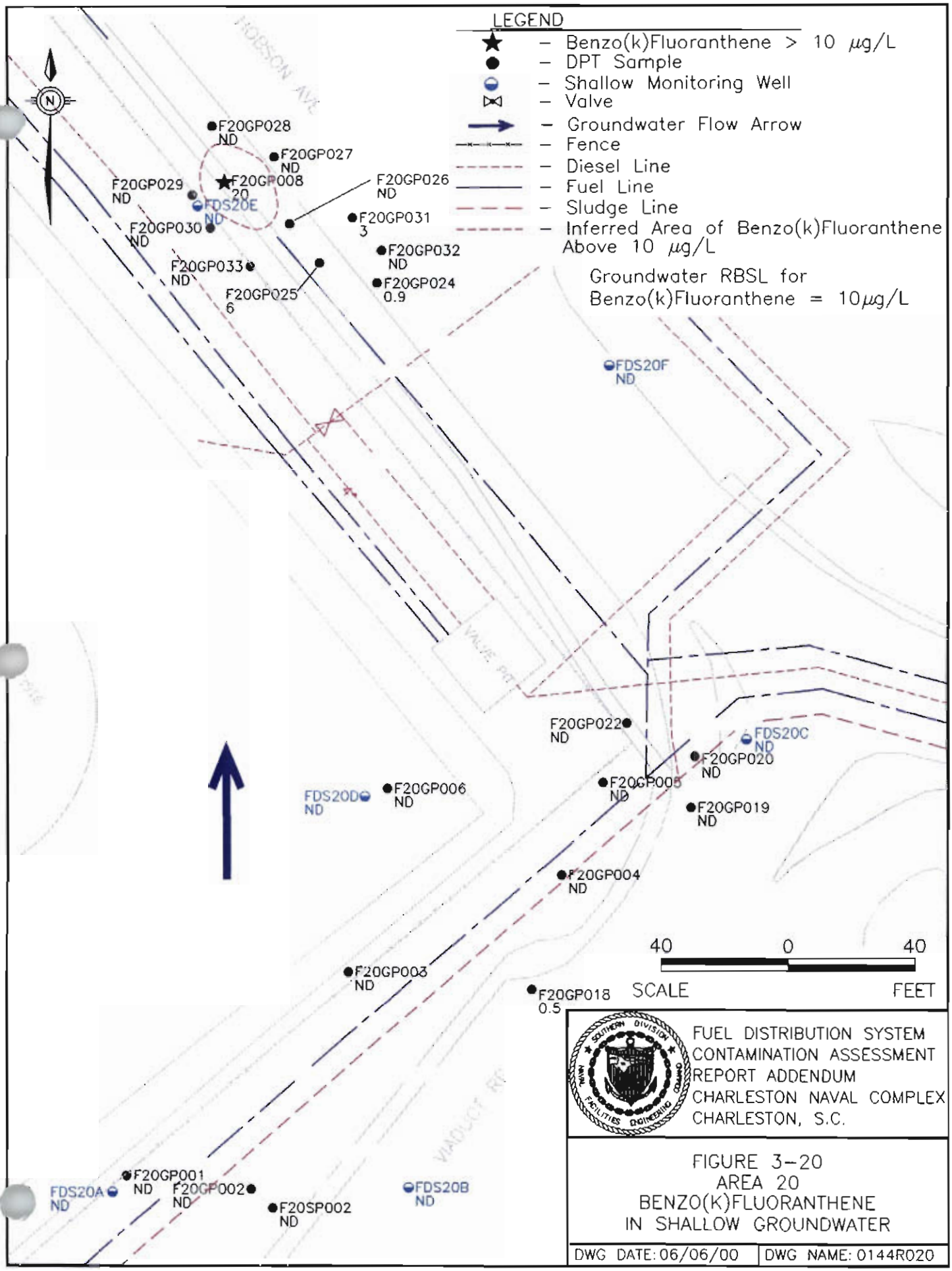

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FIGURE 3-20
AREA 20
BENZO(K)FLUORANTHENE
IN SHALLOW GROUNDWATER

DWG DATE: 06/06/00 | DWG NAME: 0144R020

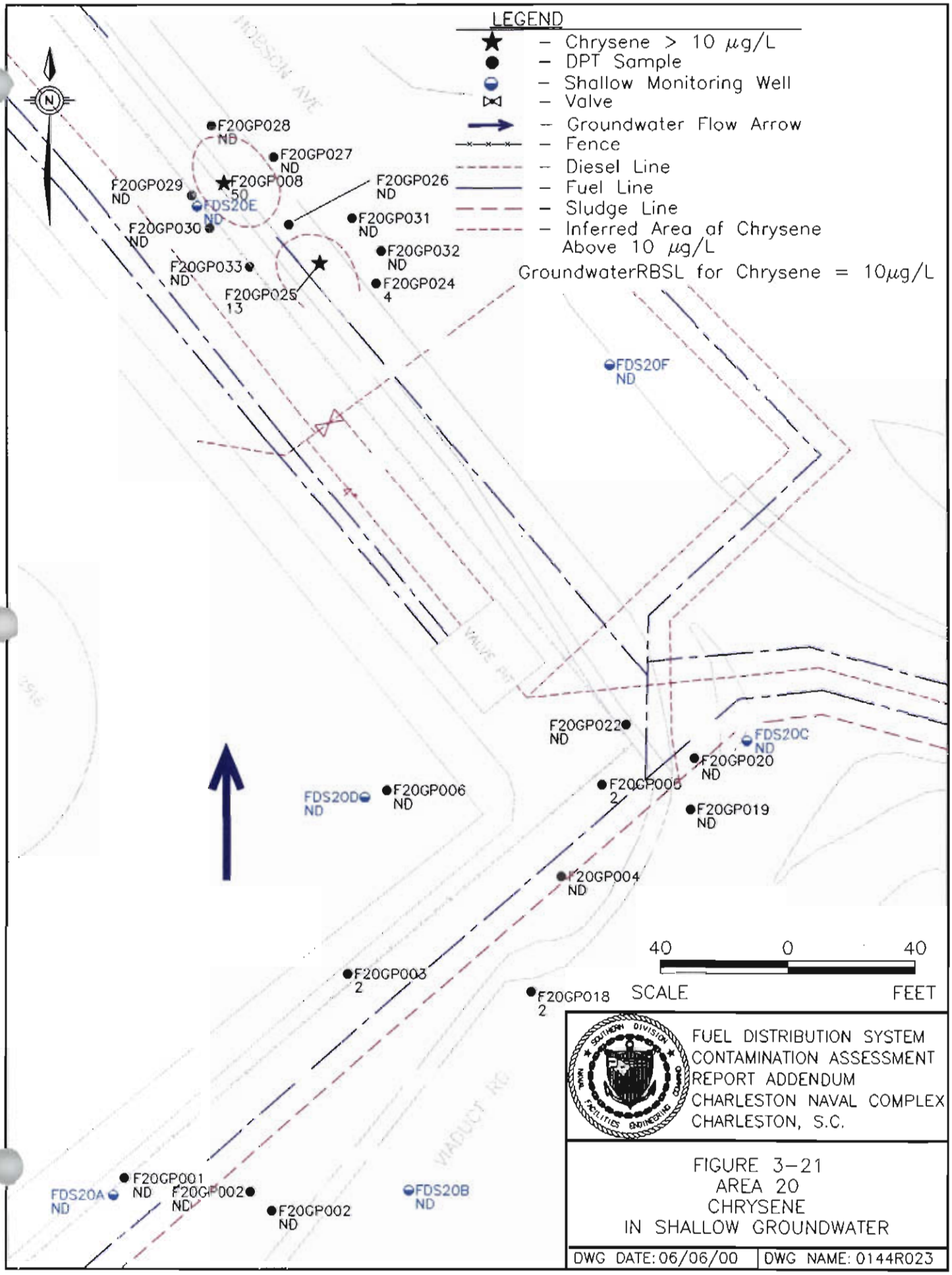

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FIGURE 3-21
AREA 20
CHRYSENE
IN SHALLOW GROUNDWATER

DWG DATE: 06/06/00 | DWG NAME: 0144R023

Table 3.9
Area 20
Groundwater Samples and Analyses

Well Identifier	Sample Identifier	Date Sampled	Analyses
FDS20A	FDS20A01	12/01/99	VOCs, SVOCs, Metals, MTBE, EDB
FDS20B	FDS20B01	12/01/99	VOCs, SVOCs, Metals, MTBE, EDB
FDS20C	FDS20C01	12/02/99	VOCs, SVOCs, Metals, MTBE, EDB
FDS20D	FDS20D01	12/02/99	VOCs, SVOCs, Metals, MTBE, EDB
FDS20E	FDS20E01	12/02/99	VOCs, SVOCs, Metals, MTBE, EDB
FDS20F	FDS20F01	12/02/99	VOCs, SVOCs, Metals, MTBE, EDB

Notes:

EBD = Ethylene dibromide
MTBE = Methyl tertiary-butyl ether
SVOCs = Semivolatile Organic Compounds
VOCs = Volatile Organic Compounds
Metals = Arsenic, barium, cadmium, total chromium, mercury, selenium, silver

Table 3.10
Area 20
Summary of Shallow Monitoring Wells Analytical Results

Parameters	Location	Concentration	RBSL	Shallow Background	Exceeds RBSL
Semivolatile Organic Compounds (μg/L)					
Total PAHs	FDS20A	3	25	NA	No
	FDS20C	3			No
2-Methylnaphthalene	FDS20A	3	10	NA	No
	FDS20C	2			No
Naphthalene	FDS20C	1	10	NA	No
4-Chloro-3-methylphenol	FDS20A	1	NL	NA	NA
4-Methylphenol	FDS20B	1	NL	NA	NA
	FDS20C	1			
	FDS20E	8			
4-Nitrophenol	FDS20C	1	NL	NA	NA
Acenaphthene	FDS20A	2	NL	NA	NA
	FDS20C	5			
	FDS20E	1			
	FDS20F	2			
Anthracene	FDS20A	1	NL	NA	NA
	FDS20C	1			

Table 3.10
Area 20
Summary of Shallow Monitoring Wells Analytical Results

Parameters	Location	Concentration	RBSL	Shallow Background	Exceeds RBSL
Semivolatile Organic Compounds (μg/L)					
Benzoic acid	FDS20A	1.5	NL	NA	NA
	FDS20B	2			
	FDS20C	1			
	FDS20D	1			
	FDS20E	4			
Dibenzofuran	FDS20C	2	NL	NA	NA
Diethylphthalate	FDS20A	1	NL	NA	NA
Di-n-butylphthalate	FDS20A	1	NL	NA	NA
	FDS20B	1			
	FDS20C	0.6			
	FDS20D	1			
Fluoranthene	FDS20C	1	NL	NA	NA
Fluorene	FDS20C	4	NL	NA	NA
	FDS20F	1			
Pentachlorophenol	FDS20C	1	NL	NA	NA
Phenanthrene	FDS20A	1	NL	NA	NA
	FDS20B	1			
	FDS20C	7			
	FDS20E	2			
Phenol	FDS20A	1	NL	NA	NA
Pyrene	FDS20A	1	NL	NA	NA
	FDS20C	1			
Inorganics (μg/L)					
Arsenic (As)	FDS20A	5 5	50	17.8	No
	FDS20B	11.3			No
	FDS20C	13.4			No
	FDS20D	3 7			No
	FDS20E	15.8			No
Barium (Ba)	FDS20A	94.55	2,000	31	No
	FDS20B	142			No
	FDS20C	428			No
	FDS20D	79.3			No
	FDS20E	146			No
	FDS20F	45.4			No
Cadmium (Cd)	FDS20C	1 2	5	0.53	No
	FDS20D	0 36			No
	FDS20E	0 89			No

Table 3.10
Area 20
Summary of Shallow Monitoring Wells Analytical Results

Parameters	Location	Concentration	RBSL	Shallow Background	Exceeds RBSL
Inorganics (μg/L)					
Chromium (Cr)	FDS20A	1.15	100	3.88	No
	FDS20B	2			No
	FDS20C	3.9			No
	FDS20D	2.6			No
	FDS20E	2.4			No
	FDS20F	0.56			No
Lead (Pb)	FDS20B	2.2	15	15.4	No
	FDS20C	3.1			No

Notes:
NL = Not listed
NA = Not applicable
μg/L = Micrograms per liter
RBSLs from the *South Carolina Risk-Based Corrective Action for Petroleum Releases* (SCDHEC, January 5, 1998) were used as reference concentrations.
Bolded concentrations exceed RBSL.

4.0 CONCLUSIONS AND RECOMMENDATIONS

4.1 Area 19

Conclusions

A review of analytical results from the Area 19 DPT soil data reveals that benzene, ethylbenzene, and naphthalenes are subsurface soil COCs at Area 19. These COCs were detected along the southwest side of Building 98 near the source area. The Area 19 DPT groundwater analytical results reveal that groundwater beneath Building 98 has been impacted by petroleum constituents, primarily within the same area of impacted soil adjacent to the southwest side of Building 98. The analytes detected in soil above the groundwater protective RBSLs are the likely source for the impacted groundwater detected. The soil and groundwater exceedances along Hobson Avenue are apparently related to the petroleum pipeline which parallels Area 19. The areas of contaminated soil and groundwater at the site are delineated by locations where COCs were either not detected or were detected below applicable RBSLs. Groundwater analytical data from the Area 19 monitoring wells exhibited no RBSL exceedances. Groundwater contamination at Building 98 appears to be localized to the vicinity of the building, and is considered delineated.

Recommendations

Area 19 is currently zoned for marine industrial use, and will likely remain a component of the fuel farm under this usage scenario. Because contamination is characterized and defined, intrinsic remediation is recommended for the impacted soil and groundwater. To support this recommendation, monitoring of groundwater is recommended. Area 19 monitoring wells should be sampled quarterly for a period of one year. Collected samples should be analyzed for RBSL VOCs, SVOCs and metals to ensure that constituents detected in soil and groundwater at these areas are not migrating off-site.

4.2 Area 20

Conclusions

A review of analytical results from the Area 20 DPT soil data reveals that benzene, naphthalene, and total naphthalenes are subsurface soil COCs at Area 20. These soil COCs are adjacent to the footprint of the pipeline IM and also northwest of the removal area along the fuel pipeline corridor which parallels Hobson Avenue. The petroleum contaminated soil northwest of the removal area is the likely source of the groundwater contamination at this locale. The contaminated areas at the site are delineated by adjacent sample locations where COCs were either not detected or were detected below applicable RBSLs.

The Area 20 DPT groundwater results reveal that naphthalene and total PAHs also exceeded their respective RBSLs at sample locations northwest of the removal area along Hobson Avenue. Groundwater analytical data from the Area 20 monitoring wells showed no RBSL exceedances. Groundwater contamination at Area 20 appears to be localized and is considered delineated.

Recommendations

Area 20 is currently zoned for marine industrial use, and will likely remain a component of the fuel farm under this usage scenario. Because contamination is characterized and defined, intrinsic remediation is recommended for the impacted soil and groundwater. To support this recommendation, monitoring of groundwater is recommended. Area 20 monitoring wells should be sampled quarterly for a period of one year. Collected samples should be analyzed for RBSL VOCs, SVOCs, and metals to ensure that constituents detected in soil and groundwater at these areas are not migrating off-site.

5.0 REFERENCES

EnSafe/Allen & Hoshall (E/A&H). (June 6, 1995). *Final RCRA Facility Assessment for Naval Base Charleston*. Prepared for Department of the Navy, Southern Division Naval Facilities Engineering Command: Charleston, SC. Contract N62467-89-D-0318.

E/A&H. (July 30, 1996). *Final Comprehensive Sampling and Analysis Plan RCRA Facility Investigation* (Revision No: 02). Prepared for Department of the Navy, Southern Division Naval Facilities Engineering Command: Charleston, SC. Contract N62467-89-D-0318.

NFESC. (April, 1996). *Site Characterization at Naval Base Charleston, Charleston, South Carolina.*

S&ME. (May, 1992). *Report on the Soil Sampling and Analysis, Environmental Specifications Preparation, 800 foot, 18-inch Fuel Pipeline, Charleston Naval Supply Center.*

SCDHEC. (January 5, 1998). *South Carolina Risk-Based Corrective Action for Petroleum Releases.* Bureau of Underground Storage Tank Management.

SPORTENVDETCHASN. (May, 1997). *Completion Report, Interim/Stabilization Measure for AOC 626 (Fuel Farm) Naval Base Charleston, Charleston, South Carolina.*

SPORTENVDETCHASN. (July 1997). *Underground Storage Tank Assessment Report, Charleston Naval Base Complex, Building 148.*

APPENDIX A

LITHOLOGIC LOGS/MONITORING WELL AS-BUILT DIAGRAMS

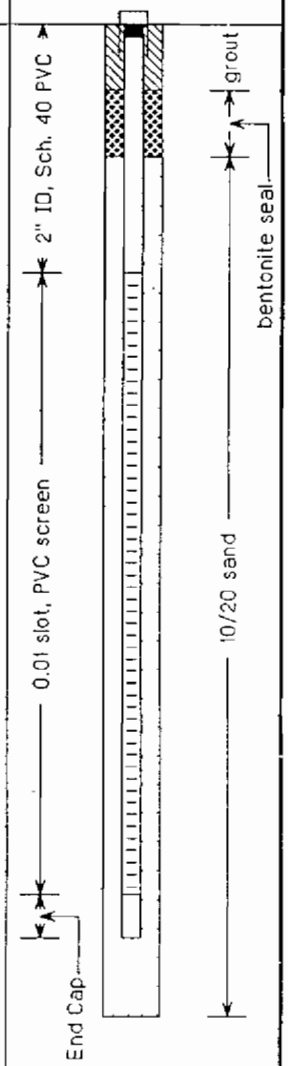
ENSAFE

Monitoring Well FDS-19A

Project: *FDS, CNSY*	Coordinates: *2319558.76 E, 373045.21 N*
Location: *Charleston, SC*	Surface Elevation: *9.7 feet msl*
Started at *1230 on 11-18-99*	TOC Elevation: *9.48 feet msl*
Completed at *1600 on 11-18-99*	Depth to Groundwater: *6.27 feet TOC* Measured: *11/22/99*
Drilling Method: *HSA*	Groundwater Elevation: *3.21 feet msl*
Drilling Company: *Miller Drilling SC Cert #1532*	Total Depth: *15.0 feet*
Geologist: *D. Doyle*	Well Screen: *3.75 to 13.15 feet*

DEPTH IN FEET	LITHOLOGIC SAMPLE	ANALYTICAL SAMPLE	SAMPLE NO.	OVA (ppm)	% RECOVERY	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	ELEV. (ft-msl)
								Asphalt	
								Gravel Fill	8.7
								Red, med. Clayey Sand, med. dense, moist.	
			1	0	50			Gray to tan Sand, Silt and Clay, med. stiff, moist	
5			2	1000	50			Same as above but strong petroleum odor and very moist.	
			3	2072	50		SC		
			4	2164	50				
10								Blueish gray, Clayey medium Sand, loose, very moist.	
			5	395	50			Blueish gray, Clayey fine Sand, loose, saturated	
			6	795	75				3.3
15								Boring Total Depth - 15.0 feet	
20									

WELL DIAGRAM



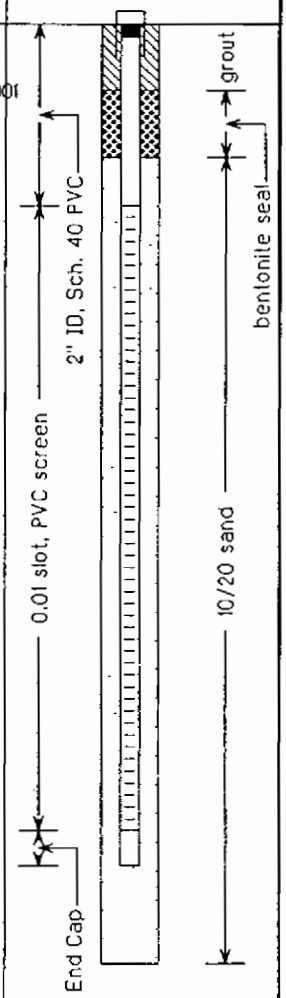
ENSAFE

Monitoring Well FDS-19B

Project: *FDS, CNSY*	Coordinates: *2319585.23 E, 373090.78 N*
Location: *Charleston, SC*	Surface Elevation: *9.9 feet msl*
Started at *1600 on 11-19-99*	TOC Elevation: *9.66 feet msl*
Completed at *1800 on 11-19-99*	Depth to Groundwater: *7.56 feet TOC* Measured: *11/22/99*
Drilling Method: *HSA*	Groundwater Elevation: *2.10 feet msl*
Drilling Company: *Miller Drilling SC Cert #1532*	Total Depth: *14.2 feet*
Geologist: *D. Doyle*	Well Screen: *2.73 to 12.17 feet*

DEPTH IN FEET	LITHOLOGIC SAMPLE	ANALYTICAL SAMPLE	SAMPLE NO.	OVA (ppm)	% RECOVERY	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	ELEV. (ft-msl)
								Asphalt	
								Tan, fine Sand fill, dense, moist, wood at 4.0.	8.900001
			1	0	50		SW		
5			2	0	50				4.5
								Black, Silty Sand, loose, saturated.	
								Dark gray, Clayey fine Sand, loose, saturated.	
			3	1468	50			Gray mottled to brown, Silt, Clay and fine Sand, med. stiff, saturated.	
			4	1684	50		SC		
10			5	NA	0				
			6	88	75				2.1
								Boring Total Depth - 14.2 feet	
15									
20									

WELL DIAGRAM



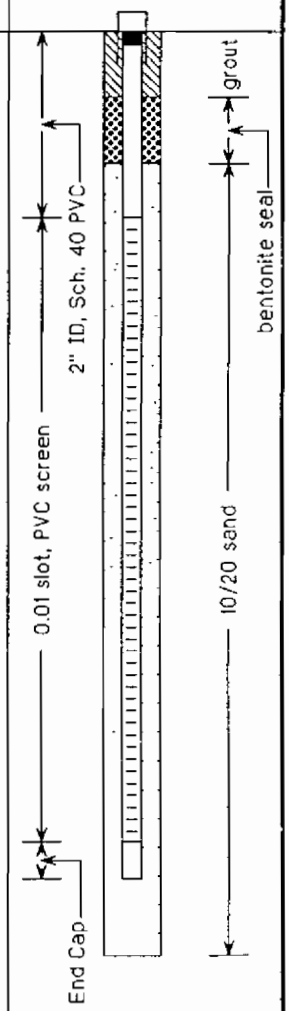
ENSAFE

Monitoring Well FDS-19C

Project: *FDS, CNSY*	Coordinates: *2319522.08 E, 373168.52 N*
Location: *Charleston, SC*	Surface Elevation: *9.8 feet msl*
Started at *1545 on 11-19-99*	TOC Elevation: *9.59 feet msl*
Completed at *1745 on 11-19-99*	Depth to Groundwater: *8.55 feet TOC* Measured: *11/22/99*
Drilling Method: *HSA*	Groundwater Elevation: *1.04 feet msl*
Drilling Company: *Miller Drilling SC Cert #1532*	Total Depth: *14.0 feet*
Geologist: *D. Doyle*	Well Screen: *2.83 to 12.27 feet*

DEPTH IN FEET	LITHOLOGIC SAMPLE	ANALYTICAL SAMPLE	SAMPLE NO.	OVA (ppm)	% RECOVERY	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	ELEV. (ft-msl)
								Asphalt.	6.8
			1	30	0		SW	Brown, fine Sand fill, loose, moist.	5.1
5			2	50	530		SC	Tan-gray, fine Sand, med. dense, very moist.	2.8
			3	15	17		CL	Gray and yellow brown, Sandy Clay, stiff, saturated.	3
			4	37	0				
10			5	75	0		ML	Gray and yellow brown, Silt with Clay and very fine Sand, stiff, saturated.	2.2
			6	75	0				
								Boring Total Depth - 14.0 feet	
15									
20									

WELL DIAGRAM



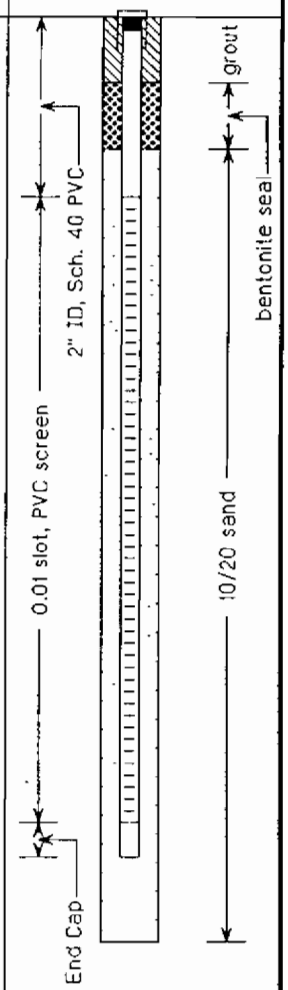
ENSAFE

Monitoring Well FDS-19D

Project: *FDS, CNSY*	Coordinates: *2319470.63 E, 373231.95 N*
Location: *Charleston, SC*	Surface Elevation: *9.8 feet msl*
Started at *1330 on 11-19-99*	TOC Elevation: *9.58 feet msl*
Completed at *1530 on 11-19-99*	Depth to Groundwater: *6.26 feet TOC* Measured: *11/22/99*
Drilling Method: *HSA*	Groundwater Elevation: *3.32 feet msl*
Drilling Company: *Miller Drilling SC Cert #1532*	Total Depth: *15.0 feet*
Geologist: *D. Doyle*	Well Screen: *2.73 to 12.18 feet*

DEPTH IN FEET	LITHOLOGIC SAMPLE	ANALYTICAL SAMPLE	SAMPLE NO.	OVA (ppm)	% RECOVERY	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	ELEV. (ft-msl)
								Brown, Silt and Sand, loose, moist.	8.8
			1	0	75		SW	Tan, fine Sand fill, loose, moist. 3.0 - 4.8 very moist.	5
5			2	0	75		SC	Brown-gray, Clayey fine Sand, med. dense, very moist. At 8.0 it becomes saturated.	
			3	0	90				
			4	0	25				
10			5	0	85				
			6	60	90				2.2
								Boring Total Depth - 14.0 feet	
15									
20									

WELL DIAGRAM



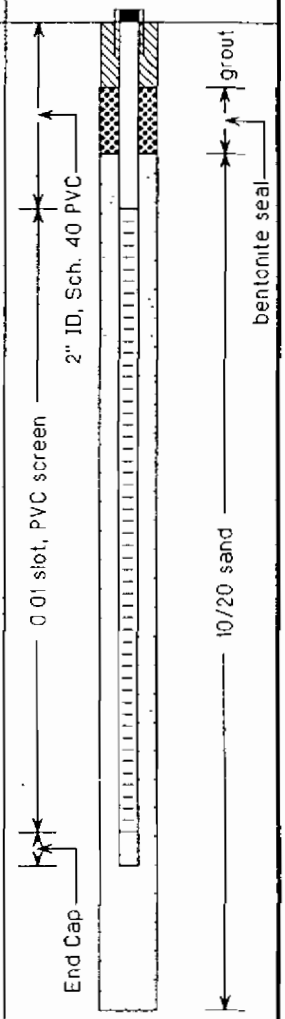
ENSAFE

Monitoring Well FDS-19E

Project: *FDS, CNSY*	Coordinates: *2319413.44 E, 373217.71 N*
Location: *Charleston, SC*	Surface Elevation: *9.6 feet msl*
Started at *1030 on 11-19-99*	TOC Elevation: *9.48 feet msl*
Completed at *1230 on 11-19-99*	Depth to Groundwater: *5.35 feet TOC* Measured: *5.35*
Drilling Method: *HSA*	Groundwater Elevation: *4.13 feet msl*
Drilling Company: *Miller Drilling SC Cert #1532*	Total Depth: *15.0 feet*
Geologist: *D. Doyle*	Well Screen: *2.83 to 12.28 feet*

DEPTH IN FEET	LITHOLOGIC SAMPLE	ANALYTICAL SAMPLE	SAMPLE NO.	OVA (ppm)	% RECOVERY	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	ELEV. (ft-msl)
								0.0 - 0.5 Asphalt.	
								0.5 - 3.0 Gravel Fill.	
			1	25	0		CL	Gray, sandy Clay fill, soft, wet.	6.6
							SW	Gray, med. Sand fill, soft, wet.	5.6
5			2	15	0				
			3	15	2		SC SM	Gray, Clayey fine - med Sand with some Silt, loose, saturated.	3.6
			4	50	40			Sand changed to very fine with depth.	
10			5	50	11				
			6	100	8				2.4
								Boring Total Depth - 14.0 feet	
15									
20									

WELL DIAGRAM



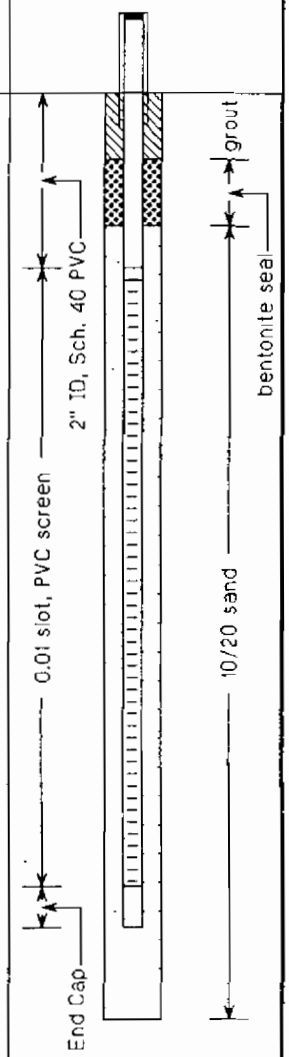
ENSAFE

Monitoring Well FDS-19F

Project: *FDS, CNSY*	Coordinates: *2319385.62 E, 373158.45 N*
Location: *Charleston, SC*	Surface Elevation: *10.4 feet msl*
Started at *0925 on 11-19-99*	TOC Elevation: *12.69 feet msl*
Completed at *1030 on 11-19-99*	Depth to Groundwater: *7.32 feet TOC* Measured:
Drilling Method: *HSA*	Groundwater Elevation: *5.37 feet msl*
Drilling Company: *Miller Drilling SC Cert #1532*	Total Depth: *14.0 feet*
Geologist: *D. Doyle*	Well Screen: *2.63 to 13.08 feet*

DEPTH IN FEET	LITHOLOGIC SAMPLE	ANALYTICAL SAMPLE	SAMPLE NO.	OVA (ppm)	% RECOVERY	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	ELEV. (ft-msl)
			1	3	75		SC SM	Dark gray and brown, med. Sand with Clay and Silt fill, loose, moist.	
			2	4	25				
5			3	35	25				5.4
			4	978	75		SM	Black, fine - med. Sand with Silt, loose, saturated, petroleum odor.	
			5	1484	100				
10			6	6304	75				
			7	4231	40				1.6
								Boring Total Depth - 14.0 feet	
15									
20									

WELL DIAGRAM



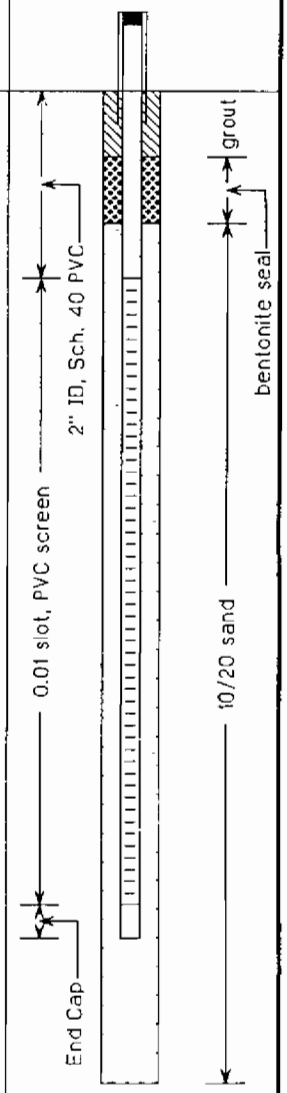
ENSAFE

Monitoring Well FDS-19G

Project: *FDS, CNSY*	Coordinates: *2319440.66 E, 373094.80 N*
Location: *Charleston, SC*	Surface Elevation: *10.1 feet msl*
Started at *0740 on 11-19-99*	TOC Elevation: *12.37 feet msl*
Completed at *0945 on 11-19-99*	Depth to Groundwater: *6.57 feet TOC* Measured: *11/21/99*
Drilling Method: *HSA*	Groundwater Elevation: *5.80 feet msl*
Drilling Company: *Miller Drilling SC Cert #1532*	Total Depth: *15.0 feet*
Geologist: *D. Doyle*	Well Screen: *2.84 to 12.28 feet*

DEPTH IN FEET	LITHOLOGIC SAMPLE	ANALYTICAL SAMPLE	SAMPLE NO.	OVA (ppm)	% RECOVERY	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	ELEV. (ft-msl)
							SM	Brown, Silt and Sand fill, loose, moist.	
			1	0	50		OH	Dark gray Silt and Clay, med. stiff, moist.	7.3
							SC	Yellow brown, Clayey med. Sand, med. dense, saturated	6.3
5			2	0	40				
			3	0	40				
			4	0	30				
10			5	0	25				
			6	0	25				
			7	2	100				3.9
15								Boring Total Depth - 15.0 feet	
20									

WELL DIAGRAM



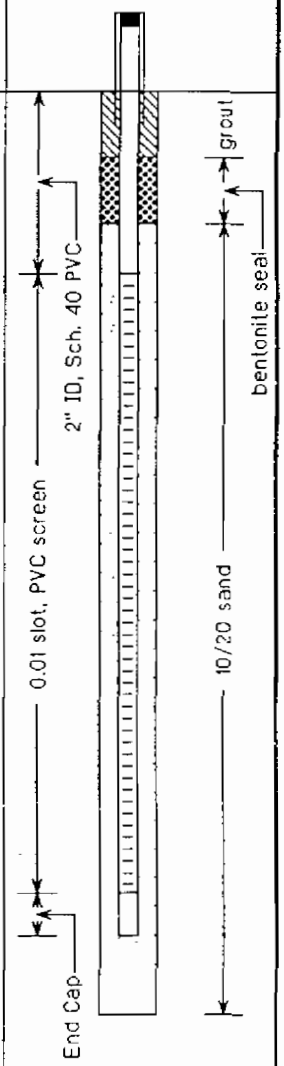
ENSAFE

Monitoring Well FDS-20A

Project: *FDS, CNSY*	Coordinates: *2319815.80 E, 372407.55 N*
Location: *Charleston, SC*	Surface Elevation: *7.1 feet msl*
Started at *0745 on 11-18-99*	TOC Elevation: *9.39 feet msl*
Completed at *0945 on 11-18-99*	Depth to Groundwater: *5.04 feet TOC* Measured: *11/22/99*
Drilling Method: *HSA*	Groundwater Elevation: *4.35 feet msl*
Drilling Company: *Miller Drilling SC Cert #1532*	Total Depth: *14.0 feet*
Geologist: *D. Doyle*	Well Screen: *2.75 to 12.15 feet*

DEPTH IN FEET	LITHOLOGIC SAMPLE	ANALYTICAL SAMPLE	SAMPLE NO.	OVA (ppm)	% RECOVERY	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	ELEV. (ft-msl)
			1	0	10			Tan-gray Silty med. Sand fill, loose to med. dense. 0-3 moist and saturated at 3.0. (3.0 - 3.9 had petroleum odor)	
			2	707	90			Black Silt, Clay, and med. Sand, med. dense, very moist.	
5			3	1500	50		SM	Brown to tan Silty Sand, med. dense, very moist.	
			4	4046	75			Dark gray Silty Sand, med. dense, very moist.	
			5	66	100			Gray Silty Sand, med. dense, saturated.	
10			6	1800	50			Black Silty and Clay, soft, saturated	
			7	80	100				59
								Boring Total Depth - 14.0 feet	
15									
20									

WELL DIAGRAM



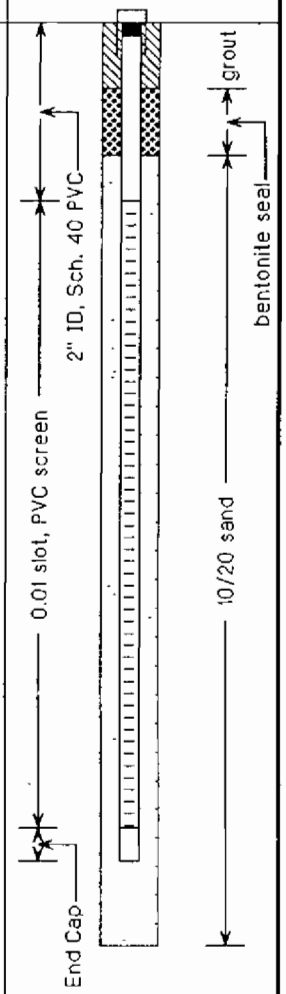
ENSAFE

Monitoring Well FDS-20B

Project: *FDS, CNSY*	Coordinates: *2319908.46 E, 372408.99 N*
Location: *Charleston, SC*	Surface Elevation: *6.0 feet msl*
Started at *0745 on 11-20-99*	TOC Elevation: *5.82 feet msl*
Completed at *0945 on 11-20-99*	Depth to Groundwater: *2.42 feet TOC* Measured: *12/01/99*
Drilling Method: *HSA*	Groundwater Elevation: *3.40 feet msl*
Drilling Company: *Miller Drilling SC Cert #1532*	Total Depth: *14.0 feet*
Geologist: *D. Doyle*	Well Screen: *2.7 to 12.2 feet*

DEPTH IN FEET	LITHOLOGIC SAMPLE	ANALYTICAL SAMPLE	SAMPLE NO.	OVA (ppm)	% RECOVERY	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	ELEV. (ft-msl)
								Asphalt	
								Gravel (Fill)	5
			1	23	75		SW/SM	Gray fine Sand mixed with Silty fine Sand fill, with a trace of shell fragments, med. dense, moist.	
5			2	385	50				
							SM	Black Silty med. Sand with trace of shell fragments, med. dense, saturated.	5
			3	185	85				
			4	23	100		CL/ML	Brown and gray, Silty Clay and Clayey Silt, med. stiff, saturated.	15
10			5	80	50		OL	Black high organic Silt, soft, saturated.	4
			6	200	75				6
15								Boring Total Depth - 14.0 feet Note. Gas was blowing out of this boring while the augers were being pulled. FID would reach a max. of 100 ppm then drop to 0 ppm.	
20									

WELL DIAGRAM



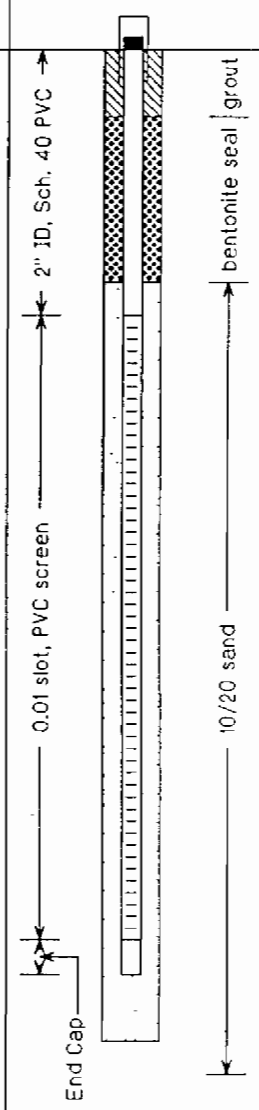
ENSAFE

Monitoring Well FDS-20C

Project: *FDS, CNSY*	Coordinates: *2320015.69 E, 372549.44 N*
Location: *Charleston, SC*	Surface Elevation: *6.3 feet msl*
Started at *0915 on 11-20-99*	TOC Elevation: *6.15 feet msl*
Completed at *1115 on 11-20-99*	Depth to Groundwater: *feet TOC* Measured:
Drilling Method: *HSA*	Groundwater Elevation: *feet msl*
Drilling Company: *Miller Drilling SC Cert #1532*	Total Depth: *15.5 feet*
Geologist: *D. Doyle*	Well Screen: *3.5 to 13.45 feet*

DEPTH IN FEET	LITHOLOGIC SAMPLE	ANALYTICAL SAMPLE	SAMPLE NO.	OVA (ppm)	% RECOVERY	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	ELEV. (ft-msl)
								Asphalt	
									3.1
								Dark gray Silty med. Sand fill, med dense, saturated.	
5			1	30	25		SM		
			2	298	50				
			3	72	80				
									2.7
								Black Silt and Clay, soft, saturated.	
10			4	56	35		OL		
									4.7
							ML	Dark gray to black, Silt and fine Sand, med. dense, saturated.	
			5	27	60				5.7
							CL	Dark gray Silty Clay with some very fine to fine Sand, med. stiff, slightly moist.	
			6	54	100				7.7
15									
								Boring Total Depth - 15.5 feet	
20									

WELL DIAGRAM



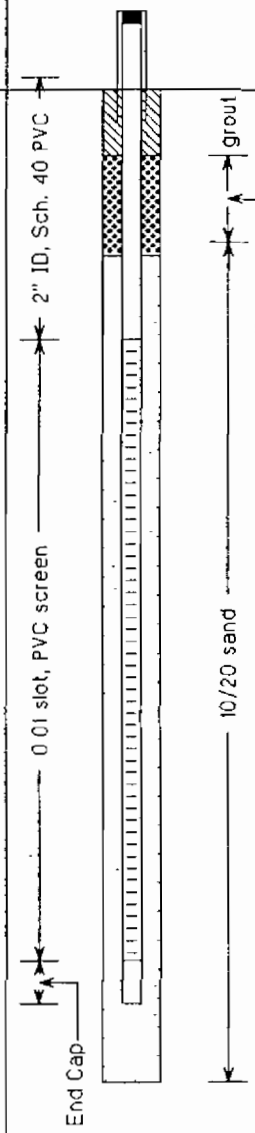
ENSAFE

Monitoring Well FDS-20D

Project: *FDS, CNSY*	Coordinates: *2319894.93 E, 37253167 N*
Location: *Charleston, SC*	Surface Elevation: *10.3 feet msl*
Started at *1010 on 11-18-99*	TOC Elevation: *13.00 feet msl*
Completed at *1200 on 11-18-99*	Depth to Groundwater: *12.28 feet TOC* Measured: *12/02/99*
Drilling Method: *HSA*	Groundwater Elevation: *0.20 feet msl*
Drilling Company: *Miller Drilling SC Cert #1532*	Total Depth: *15.0 feet*
Geologist: *D. Doyle*	Well Screen: *3.75 to 13.15 feet*

DEPTH IN FEET	LITHOLOGIC SAMPLE	ANALYTICAL SAMPLE	SAMPLE NO.	OVA (ppm)	% RECOVERY	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	ELEV. (ft-msl)
			1	0	40		SM/SC	Brown-gray, Silty Sand and Clay fill, med. stiff, moist.	
									7.8
							SM	Gray Silty med. Sand fill, loose, moist.	
			2	6652	65				6.3
5							SM/SC	Black med. Sand with Silt and Clay, med. dense, moist.	
			3	1080	50				4.3
							SM	Brown-gray Silty med Sand, very moist, med. dense, very moist.	
									3.1
			4	5500	75		SC	Black Clay and med. Sand, med. dense, saturated.	
									2
								Gray med. Sand with Silt and Clay, dense, very moist.	
10			5	1192	50		SP	Light gray med. to coarse Sand, dense, saturated.	
								Reddish-brown med. to coarse Sand with some Clay, dense, saturated.	
			6	4545	75		SC	Light gray med. to coarse Sand, dense, saturated	1.7
			7	6029	50				2.7
15								Boring Total Depth - 15.0 feet	
20									

WELL DIAGRAM



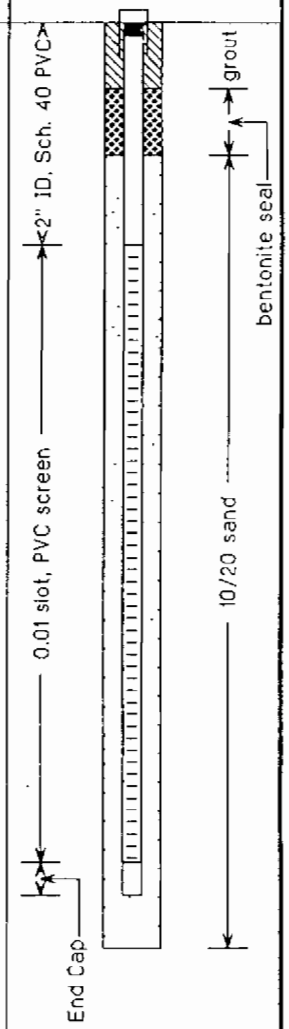
ENSAFE

Monitoring Well FDS-20E

Project: *FDS, CNSY*	Coordinates: *2319842.44 E, 372717.14 N*
Location: *Charleston, SC*	Surface Elevation: *8.6 feet msl*
Started at *1515 on 11-20-99*	TOC Elevation: *8.55 feet msl*
Completed at *1715 on 11-20-99*	Depth to Groundwater: *7.18 feet TOC* Measured: *12/02/99*
Drilling Method: *HSA*	Groundwater Elevation: *1.37 feet msl*
Drilling Company: *Miller Drilling SC Cert #1532*	Total Depth: *14.0 feet*
Geologist: *D. Doyle*	Well Screen: *3.35 to 12.69 feet*

DEPTH IN FEET	LITHOLOGIC SAMPLE	ANALYTICAL SAMPLE	SAMPLE NO.	OVA (ppm)	% RECOVERY	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	ELEV. (ft-msl)
			1	NA	0		SM	Dark brown Silty Sand fill, dense, slightly moist	
			2	20	70			Black Clay and fine Sand, dense, moist.	5.6
5			3	204	50			Black Clay with trace fine Sand and Silt, med. stiff, moist.	
			4	111	50		OL	Black Clay with Silt and fine Sand, saturated.	
			5	313	100				
10			6	132	75				
			7	73	100				3.4
								Boring Total Depth - 14.0 feet	
15									
20									

WELL DIAGRAM



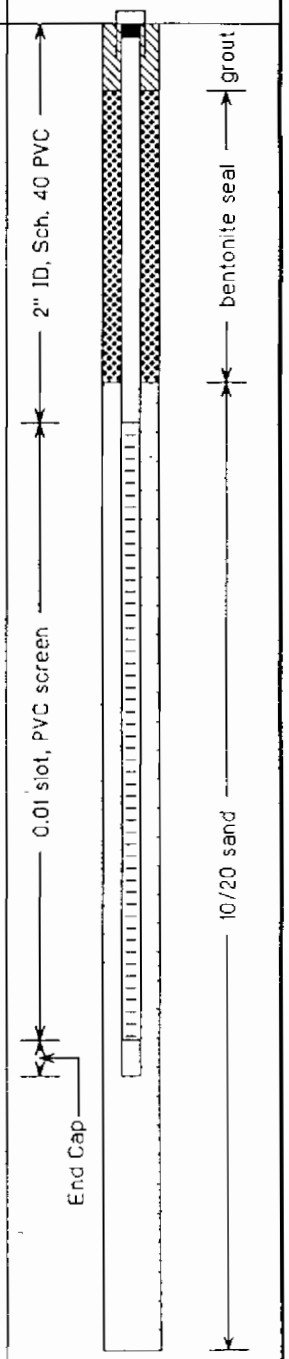
ENSAFE

Monitoring Well FDS-20F

Project: *FDS, CNSY*	Coordinates: *231997.98 E, 372667.07 N*
Location: *Charleston, SC*	Surface Elevation: *6.3 feet msl*
Started at *1040 on 11-20-99*	TOC Elevation: *6.22 feet msl*
Completed at *1240 on 11-20-99*	Depth to Groundwater: *4.01 feet TOC* Measured: *12/02/99*
Drilling Method: *HSA*	Groundwater Elevation: *2.21 feet msl*
Drilling Company: *Miller Drilling SC Cert #1532*	Total Depth: *20.0 feet*
Geologist: *D. Doyle*	Well Screen: *6.0 to 15.34 feet*

DEPTH IN FEET	LITHOLOGIC SAMPLE	ANALYTICAL SAMPLE	SAMPLE NO.	OVA (ppm)	% RECOVERY	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	ELEV. (ft-msl)
								Asphalt	
5								Dark gray Silty Sand, med. dense, moist.	1.3
			1	590	75			Black Silty med. Sand, med. dense, saturated	
			2	2	1		SM	Gray to black Silty fine Sand, med. dense, saturated.	
10			3	1195	100				
			4	3911	100		OL	Black to gray Silt, soft, saturated.	-5.7
			5	48	100				-7.7
15									
20									

WELL DIAGRAM



APPENDIX B

ANALYTICAL DATA

FDS CAR ADDENDUM
AREA 19
DPT SOIL RESULTS

SW846-SVOA													
	SAMPLE ID ------->	F19-S-P001-06		F19-S-P002-05		F19-S-P003-05		F19-S-P004-06		F19-S-P005-05		F19-S-P006-04	
	ORIGINAL ID ----->	F19SP00106		F19SP00205		F19SP00305		F19SP00406		F19SP00505		F19SP00604	
	LAB SAMPLE ID --->	37182.04		37182.02		37182.03		37202.01		37182.05		37182.01	
	ID FROM REPORT -->	F19SP00106		F19SP00205		F19SP00305		F19SP00406		F19SP00505		F19SP00604	
	SAMPLE DATE ----->	01/21/99		01/21/99		01/21/99		01/22/99		01/21/99		01/21/99	
	DATE EXTRACTED -->	01/25/99		01/25/99		01/25/99		01/25/99		01/25/99		01/25/99	
	DATE ANALYZED --->	02/04/99		02/04/99		02/04/99		02/04/99		02/04/99		02/04/99	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	37182		37182		37182		37202		37182		37182	
91-20-3	Naphthalene	450.		400.	U	330.	U	350.	U	360.	U	3000.	
56-55-3	Benzo(a)anthracene	140.	J	400.	U	330.	U	6300.	E	360.	U	1900.	
218-01-9	Chrysene	240.	J	400.	U	330.	U	6300.	E	360.	U	3200.	
205-99-2	Benzo(b)fluoranthene	110.	J	400.	U	330.	U	5500.	E	360.	U	1800.	J
207-08-9	Benzo(k)fluoranthene	120.	J	400.	U	330.	U	5600.	E	360.	U	2000.	
108-95-2	Phenol	NR		NR		NR		NR		NR		NR	
111-44-4	bis(2-Chloroethyl)ether	NR		NR		NR		NR		NR		NR	
95-57-8	2-Chlorophenol	NR		NR		NR		NR		NR		NR	
541-73-1	1,3-Dichlorobenzene	NR		NR		NR		NR		NR		NR	
106-46-7	1,4-Dichlorobenzene	NR		NR		NR		NR		NR		NR	
100-51-6	Benzyl alcohol	NR		NR		NR		NR		NR		NR	
95-50-1	1,2-Dichlorobenzene	NR		NR		NR		NR		NR		NR	
95-48-7	2-Methylphenol (o-Cresol)	NR		NR		NR		NR		NR		NR	
108-60-1	2,2'-oxybis(1-Chloropropane)	NR		NR		NR		NR		NR		NR	
106-44-5	4-Methylphenol (p-Cresol)	NR		NR		NR		NR		NR		NR	
621-64-7	N-Nitroso-di-n-propylamine	NR		NR		NR		NR		NR		NR	
67-72-1	Hexachloroethane	NR		NR		NR		NR		NR		NR	
98-95-3	Nitrobenzene	NR		NR		NR		NR		NR		NR	
78-59-1	Isophorone	NR		NR		NR		NR		NR		NR	
88-75-5	2-Nitrophenol	NR		NR		NR		NR		NR		NR	
105-67-9	2,4-Dimethylphenol	NR		NR		NR		NR		NR		NR	
65-85-0	Benzoic acid	NR		NR		NR		NR		NR		NR	
111-91-1	bis(2-Chloroethoxy)methane	NR		NR		NR		NR		NR		NR	
120-83-2	2,4-Dichlorophenol	NR		NR		NR		NR		NR		NR	
120-82-1	1,2,4-Trichlorobenzene	NR		NR		NR		NR		NR		NR	
106-47-8	4-Chloroaniline	NR		NR		NR		NR		NR		NR	
87-68-3	Hexachlorobutadiene	NR		NR		NR		NR		NR		NR	
59-50-7	4-Chloro-3-methylphenol	NR		NR		NR		NR		NR		NR	
91-57-6	2-Methylnaphthalene	NR		NR		NR		NR		NR		NR	
77-47-4	Hexachlorocyclopentadiene	NR		NR		NR		NR		NR		NR	
88-06-2	2,4,6-Trichlorophenol	NR		NR		NR		NR		NR		NR	
95-95-4	2,4,5-Trichlorophenol	NR		NR		NR		NR		NR		NR	
91-58-7	2-Chloronaphthalene	NR		NR		NR		NR		NR		NR	
88-74-4	2-Nitroaniline	NR		NR		NR		NR		NR		NR	
131-11-3	Dimethyl phthalate	NR		NR		NR		NR		NR		NR	
208-96-8	Acenaphthylene	NR		NR		NR		NR		NR		NR	

FDS CAR ADDENDUM
AREA 19
DPT SOIL RESULTS

SW846-SVOA							
	SAMPLE ID ------->	F19-S-P001-06	F19-S-P002-05	F19-S-P003-05	F19-S-P004-06	F19-S-P005-05	F19-S-P006-04
	ORIGINAL ID ----->	F19SP00106	F19SP00205	F19SP00305	F19SP00406	F19SP00505	F19SP00604
	LAB SAMPLE ID --->	37182.04	37182.02	37182.03	37202.01	37182.05	37182.01
	ID FROM REPORT -->	F19SP00106	F19SP00205	F19SP00305	F19SP00406	F19SP00505	F19SP00604
	SAMPLE DATE ----->	01/21/99	01/21/99	01/21/99	01/22/99	01/21/99	01/21/99
	DATE EXTRACTED -->	01/25/99	01/25/99	01/25/99	01/25/99	01/25/99	01/25/99
	DATE ANALYZED --->	02/04/99	02/04/99	02/04/99	02/04/99	02/04/99	02/04/99
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
	UNITS ---------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
CAS #	Parameter	37182	37182	37182	37202	37182	37182
99-09-2	3-Nitroaniline	NR	NR	NR	NR	NR	NR
83-32-9	Acenaphthene	NR	NR	NR	NR	NR	NR
51-28-5	2,4-Dinitrophenol	NR	NR	NR	NR	NR	NR
100-02-7	4-Nitrophenol	NR	NR	NR	NR	NR	NR
132-64-9	Dibenzofuran	NR	NR	NR	NR	NR	NR
121-14-2	2,4-Dinitrotoluene	NR	NR	NR	NR	NR	NR
606-20-2	2,6-Dinitrotoluene	NR	NR	NR	NR	NR	NR
84-66-2	Diethylphthalate	NR	NR	NR	NR	NR	NR
7005-72-3	4-Chlorophenylphenylether	NR	NR	NR	NR	NR	NR
86-73-7	Fluorene	NR	NR	NR	NR	NR	NR
100-01-6	4-Nitroaniline	NR	NR	NR	NR	NR	NR
534-52-1	2-Methyl-4,6-Dinitrophenol	NR	NR	NR	NR	NR	NR
86-30-6	N-Nitrosodiphenylamine	NR	NR	NR	NR	NR	NR
101-55-3	4-Bromophenyl-phenylether	NR	NR	NR	NR	NR	NR
118-74-1	Hexachlorobenzene	NR	NR	NR	NR	NR	NR
87-86-5	Pentachlorophenol	NR	NR	NR	NR	NR	NR
85-01-8	Phenanthrene	NR	NR	NR	NR	NR	NR
120-12-7	Anthracene	NR	NR	NR	NR	NR	NR
84-74-2	Di-n-butylphthalate	NR	NR	NR	NR	NR	NR
206-44-0	Fluoranthene	NR	NR	NR	NR	NR	NR
129-00-0	Pyrene	NR	NR	NR	NR	NR	NR
85-68-7	Butylbenzylphthalate	NR	NR	NR	NR	NR	NR
91-94-1	3,3'-Dichlorobenzidine	NR	NR	NR	NR	NR	NR
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)	NR	NR	NR	NR	NR	NR
117-84-0	Di-n-octyl phthalate	NR	NR	NR	NR	NR	NR
50-32-8	Benzo(a)pyrene	NR	NR	NR	NR	NR	NR
193-39-5	Indeno(1,2,3-cd)pyrene	NR	NR	NR	NR	NR	NR
53-70-3	Dibenz(a,h)anthracene	NR	NR	NR	NR	NR	NR
191-24-2	Benzo(g,h,i)perylene	NR	NR	NR	NR	NR	NR

FDS CAR ADDENDUM
AREA 19
DPT SOIL RESULTS

SW846-SVOA											
	SAMPLE ID ------->	F19-S-P007-06		F19-S-P009-09		F19-S-P010-05		F19-S-P011-05		F19-S-P012-05	
	ORIGINAL ID ----->	F19SP00706		F19SP00909		F19SP01005		F19SP01105		F19SP01205	
	LAB SAMPLE ID --->	37182.06		38434.05		38434.06		38434.07		38434.08	
	ID FROM REPORT -->	F19SP00706		F19SP00909		F19SP01005		F19SP01105		F19SP01205	
	SAMPLE DATE ----->	01/21/99		05/07/99		05/07/99		05/07/99		05/07/99	
	DATE EXTRACTED -->	01/25/99		05/09/99		05/09/99		05/09/99		05/09/99	
	DATE ANALYZED --->	02/04/99		05/19/99		05/19/99		05/19/99		05/20/99	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	37182		38434		38434		38434		38434	
91-20-3	Naphthalene	380.	U	420.	U	410.	U	360.	U	47000.	
56-55-3	Benzo(a)anthracene	380.	U	75.	J	56.	J	360.	U	570.	J
218-01-9	Chrysene	380.	U	120.	J	71.	J	360.	U	1200.	J
205-99-2	Benzo(b)fluoranthene	380.	U	62.	J	58.	J	360.	U	390.	J
207-08-9	Benzo(k)fluoranthene	380.	U	54.	J	66.	J	360.	U	7800.	U
108-95-2	Phenol	NR		NR		NR		NR		NR	
111-44-4	bis(2-Chloroethyl)ether	NR		NR		NR		NR		NR	
95-57-8	2-Chlorophenol	NR		NR		NR		NR		NR	
541-73-1	1,3-Dichlorobenzene	NR		NR		NR		NR		NR	
106-46-7	1,4-Dichlorobenzene	NR		NR		NR		NR		NR	
100-51-6	Benzyl alcohol	NR		NR		NR		NR		NR	
95-50-1	1,2-Dichlorobenzene	NR		NR		NR		NR		NR	
95-48-7	2-Methylphenol (o-Cresol)	NR		NR		NR		NR		NR	
108-60-1	2,2'-oxybis(1-Chloropropane)	NR		NR		NR		NR		NR	
106-44-5	4-Methylphenol (p-Cresol)	NR		NR		NR		NR		NR	
621-64-7	N-Nitroso-di-n-propylamine	NR		NR		NR		NR		NR	
67-72-1	Hexachloroethane	NR		NR		NR		NR		NR	
98-95-3	Nitrobenzene	NR		NR		NR		NR		NR	
78-59-1	Isophorone	NR		NR		NR		NR		NR	
88-75-5	2-Nitrophenol	NR		NR		NR		NR		NR	
105-67-9	2,4-Dimethylphenol	NR		NR		NR		NR		NR	
65-85-0	Benzoic acid	NR		NR		NR		NR		NR	
111-91-1	bis(2-Chloroethoxy)methane	NR		NR		NR		NR		NR	
120-83-2	2,4-Dichlorophenol	NR		NR		NR		NR		NR	
120-82-1	1,2,4-Trichlorobenzene	NR		NR		NR		NR		NR	
106-47-8	4-Chloroaniline	NR		NR		NR		NR		NR	
87-68-3	Hexachlorobutadiene	NR		NR		NR		NR		NR	
59-50-7	4-Chloro-3-methylphenol	NR		NR		NR		NR		NR	
91-57-6	2-Methylnaphthalene	NR		NR		NR		NR		NR	
77-47-4	Hexachlorocyclopentadiene	NR		NR		NR		NR		NR	
88-06-2	2,4,6-Trichlorophenol	NR		NR		NR		NR		NR	
95-95-4	2,4,5-Trichlorophenol	NR		NR		NR		NR		NR	
91-58-7	2-Chloronaphthalene	NR		NR		NR		NR		NR	
88-74-4	2-Nitroaniline	NR		NR		NR		NR		NR	
131-11-3	Dimethyl phthalate	NR		NR		NR		NR		NR	
208-96-8	Acenaphthylene	NR		NR		NR		NR		NR	

FDS CAR ADDENDUM
AREA 19
DPT SOIL RESULTS

SW846-SVOA						
	SAMPLE ID ------->	F19-S-P007-06	F19-S-P009-09	F19-S-P010-05	F19-S-P011-05	F19-S-P012-05
	ORIGINAL ID ----->	F19SP00706	F19SP00909	F19SP01005	F19SP01105	F19SP01205
	LAB SAMPLE ID --->	37182.06	38434.05	38434.06	38434.07	38434.08
	ID FROM REPORT -->	F19SP00706	F19SP00909	F19SP01005	F19SP01105	F19SP01205
	SAMPLE DATE ----->	01/21/99	05/07/99	05/07/99	05/07/99	05/07/99
	DATE EXTRACTED -->	01/25/99	05/09/99	05/09/99	05/09/99	05/09/99
	DATE ANALYZED --->	02/04/99	05/19/99	05/19/99	05/19/99	05/20/99
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil
	UNITS ---------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
CAS #	Parameter	37182	38434	38434	38434	38434
99-09-2	3-Nitroaniline	NR	NR	NR	NR	NR
83-32-9	Acenaphthene	NR	NR	NR	NR	NR
51-28-5	2,4-Dinitrophenol	NR	NR	NR	NR	NR
100-02-7	4-Nitrophenol	NR	NR	NR	NR	NR
132-64-9	Dibenzofuran	NR	NR	NR	NR	NR
121-14-2	2,4-Dinitrotoluene	NR	NR	NR	NR	NR
606-20-2	2,6-Dinitrotoluene	NR	NR	NR	NR	NR
84-66-2	Diethylphthalate	NR	NR	NR	NR	NR
7005-72-3	4-Chlorophenylphenylether	NR	NR	NR	NR	NR
86-73-7	Fluorene	NR	NR	NR	NR	NR
100-01-6	4-Nitroaniline	NR	NR	NR	NR	NR
534-52-1	2-Methyl-4,6-Dinitrophenol	NR	NR	NR	NR	NR
86-30-6	N-Nitrosodiphenylamine	NR	NR	NR	NR	NR
101-55-3	4-Bromophenyl-phenylether	NR	NR	NR	NR	NR
118-74-1	Hexachlorobenzene	NR	NR	NR	NR	NR
87-86-5	Pentachlorophenol	NR	NR	NR	NR	NR
85-01-8	Phenanthrene	NR	NR	NR	NR	NR
120-12-7	Anthracene	NR	NR	NR	NR	NR
84-74-2	Di-n-butylphthalate	NR	NR	NR	NR	NR
206-44-0	Fluoranthene	NR	NR	NR	NR	NR
129-00-0	Pyrene	NR	NR	NR	NR	NR
85-68-7	Butylbenzylphthalate	NR	NR	NR	NR	NR
91-94-1	3,3'-Dichlorobenzidine	NR	NR	NR	NR	NR
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)	NR	NR	NR	NR	NR
117-84-0	Di-n-octyl phthalate	NR	NR	NR	NR	NR
50-32-8	Benzo(a)pyrene	NR	NR	NR	NR	NR
193-39-5	Indeno(1,2,3-cd)pyrene	NR	NR	NR	NR	NR
53-70-3	Dibenz(a,h)anthracene	NR	NR	NR	NR	NR
191-24-2	Benzo(g,h,i)perylene	NR	NR	NR	NR	NR

FDS CAR ADDENDUM
AREA 19
DPT SOIL RESULTS

SW-SVOA													
	SAMPLE ID ------->	F19-S-P013-11		F19-S-P014-07		F19-S-P015-07		F19-S-P016-11		F19-S-P017-11		F19-S-P018-11	
	ORIGINAL ID ----->	F19SP01311		F19SP01407		F19SP01507		F19SP01611		F19SP01711		F19SP01811	
	LAB SAMPLE ID --->	39138.04		39138.05		39138.08		39138.07		39138.06		39138.03	
	ID FROM REPORT -->	F19SP01311		F19SP01407		F19SP01507		F19SP01611		F19SP01711		F19SP01811	
	SAMPLE DATE ----->	06/23/99		06/23/99		06/23/99		06/23/99		06/23/99		06/23/99	
	DATE EXTRACTED -->	06/25/99		06/25/99		06/25/99		06/25/99		06/25/99		06/25/99	
	DATE ANALYZED --->	06/29/99		06/29/99		06/29/99		06/29/99		06/29/99		06/29/99	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	39138		39138		39138		39138		39138		39138	
108-95-2	Phenol	2000.	U	2000.	U	390.	U	400.	U	390.	U	390.	U
111-44-4	bis(2-Chloroethyl)ether	2000.	U	2000.	U	390.	U	400.	U	390.	U	390.	U
95-57-8	2-Chlorophenol	2000.	U	2000.	U	390.	U	400.	U	390.	U	390.	U
541-73-1	1,3-Dichlorobenzene	2000.	U	2000.	U	390.	U	400.	U	390.	U	390.	U
106-46-7	1,4-Dichlorobenzene	2000.	U	2000.	U	390.	U	400.	U	390.	U	390.	U
100-51-6	Benzyl alcohol	2000.	U	2000.	U	390.	U	400.	U	390.	U	390.	U
95-50-1	1,2-Dichlorobenzene	2000.	U	2000.	U	390.	U	400.	U	390.	U	390.	U
95-48-7	2-Methylphenol (o-Cresol)	2000.	U	2000.	U	390.	U	400.	U	390.	U	390.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	2000.	U	2000.	U	390.	U	400.	U	390.	U	390.	U
106-44-5	4-Methylphenol (p-Cresol)	2000.	U	2000.	U	390.	U	400.	U	390.	U	390.	U
621-64-7	N-Nitroso-di-n-propylamine	2000.	U	2000.	U	390.	U	400.	U	390.	U	390.	U
67-72-1	Hexachloroethane	2000.	U	2000.	U	390.	U	400.	U	390.	U	390.	U
98-95-3	Nitrobenzene	2000.	U	2000.	U	390.	U	400.	U	390.	U	390.	U
78-59-1	Isophorone	2000.	U	2000.	U	390.	U	400.	U	390.	U	390.	U
88-75-5	2-Nitrophenol	2000.	U	2000.	U	390.	U	400.	U	390.	U	390.	U
105-67-9	2,4-Dimethylphenol	2000.	U	2000.	U	390.	U	400.	U	390.	U	390.	U
65-85-0	Benzoic acid	4900.	U	4900.	U	980.	U	1000.	U	970.	U	980.	U
111-91-1	bis(2-Chloroethoxy)methane	2000.	U	2000.	U	390.	U	400.	U	390.	U	390.	U
120-83-2	2,4-Dichlorophenol	2000.	U	2000.	U	390.	U	400.	U	390.	U	390.	U
120-82-1	1,2,4-Trichlorobenzene	2000.	U	2000.	U	390.	U	400.	U	390.	U	390.	U
91-20-3	Naphthalene	18000.	E	2000.	U	1400.		160.	J	390.	U	390.	U
106-47-8	4-Chloroaniline	2000.	U	2000.	U	390.	U	400.	U	390.	U	390.	U
87-68-3	Hexachlorobutadiene	2000.	U	2000.	U	390.	U	400.	U	390.	U	390.	U
59-50-7	4-Chloro-3-methylphenol	2000.	U	2000.	U	390.	U	400.	U	390.	U	390.	U
91-57-6	2-Methylnaphthalene	75000.	E	6800.		5700.	E	920.		390.	U	390.	U
77-47-4	Hexachlorocyclopentadiene	2000.	U	2000.	U	390.	U	400.	U	390.	U	390.	U
88-06-2	2,4,6-Trichlorophenol	2000.	U	2000.	U	390.	U	400.	U	390.	U	390.	U
95-95-4	2,4,5-Trichlorophenol	4900.	U	4900.	U	980.	U	1000.	U	970.	U	980.	U
91-58-7	2-Chloronaphthalene	2000.	U	2000.	U	390.	U	400.	U	390.	U	390.	U
88-74-4	2-Nitroaniline	4900.	U	4900.	U	980.	U	1000.	U	970.	U	980.	U
131-11-3	Dimethyl phthalate	2000.	U	2000.	U	390.	U	400.	U	390.	U	390.	U
208-96-8	Acenaphthylene	2000.	U	2000.	U	390.	U	400.	U	390.	U	390.	U
99-09-2	3-Nitroaniline	4900.	U	4900.	U	980.	U	1000.	U	970.	U	980.	U
83-32-9	Acenaphthene	2000.	U	2000.	U	390.	U	400.	U	390.	U	390.	U
51-28-5	2,4-Dinitrophenol	4900.	U	4900.	U	980.	U	1000.	U	970.	U	980.	U
100-02-7	4-Nitrophenol	4900.	U	4900.	U	980.	U	1000.	U	970.	U	980.	U

FDS CAR ADDENDUM
AREA 19
DPT SOIL RESULTS

SW-SVOA													
	SAMPLE ID ------->	F19-S-P013-11		F19-S-P014-07		F19-S-P015-07		F19-S-P016-11		F19-S-P017-11		F19-S-P018-11	
	ORIGINAL ID ----->	F19SP01311		F19SP01407		F19SP01507		F19SP01611		F19SP01711		F19SP01811	
	LAB SAMPLE ID --->	39138.04		39138.05		39138.08		39138.07		39138.06		39138.03	
	ID FROM REPORT -->	F19SP01311		F19SP01407		F19SP01507		F19SP01611		F19SP01711		F19SP01811	
	SAMPLE DATE ----->	06/23/99		06/23/99		06/23/99		06/23/99		06/23/99		06/23/99	
	DATE EXTRACTED -->	06/25/99		06/25/99		06/25/99		06/25/99		06/25/99		06/25/99	
	DATE ANALYZED --->	06/29/99		06/29/99		06/29/99		06/29/99		06/29/99		06/29/99	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	39138		39138		39138		39138		39138		39138	
132-64-9	Dibenzofuran	2000.	U	2000.	U	390.	U	400.	U	390.	U	390.	U
121-14-2	2,4-Dinitrotoluene	2000.	U	2000.	U	390.	U	400.	U	390.	U	390.	U
606-20-2	2,6-Dinitrotoluene	2000.	U	2000.	U	390.	U	400.	U	390.	U	390.	U
84-66-2	Diethylphthalate	2000.	U	2000.	U	390.	U	400.	U	390.	U	390.	U
7005-72-3	4-Chlorophenylphenylether	2000.	U	2000.	U	390.	U	400.	U	390.	U	390.	U
86-73-7	Fluorene	7100.		1600.	J	720.		150.	J	390.	U	390.	U
100-01-6	4-Nitroaniline	4900.	U	4900.	U	980.	U	1000.	U	970.	U	980.	U
534-52-1	2-Methyl-4,6-Dinitrophenol	4900.	U	4900.	U	980.	U	1000.	U	970.	U	980.	U
86-30-6	N-Nitrosodiphenylamine	2000.	U	2000.	U	390.	U	400.	U	390.	U	390.	U
101-55-3	4-Bromophenyl-phenylether	2000.	U	2000.	U	390.	U	400.	U	390.	U	390.	U
118-74-1	Hexachlorobenzene	2000.	U	2000.	U	390.	U	400.	U	390.	U	390.	U
87-86-5	Pentachlorophenol	4900.	U	4900.	U	980.	U	1000.	U	970.	U	980.	U
85-01-8	Phenanthrene	14000.		5700.		1200.		400.	U	390.	U	390.	U
120-12-7	Anthracene	2000.	U	910.	J	390.	U	400.	U	390.	U	390.	U
84-74-2	Di-n-butylphthalate	2000.	U	2000.	U	390.	U	400.	U	390.	U	390.	U
206-44-0	Fluoranthene	2000.	U	4900.		390.	U	400.	U	390.	U	390.	U
129-00-0	Pyrene	2000.	U	5900.		390.	U	400.	U	390.	U	390.	U
85-68-7	Butylbenzylphthalate	2000.	U	2000.	U	390.	U	400.	U	390.	U	390.	U
91-94-1	3,3'-Dichlorobenzidine	2000.	U	2000.	U	390.	U	400.	U	390.	U	390.	U
56-55-3	Benzo(a)anthracene	600.	J	2100.		390.	U	400.	U	390.	U	390.	U
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)	2000.	U	2000.	U	25.	J	23.	J	390.	U	390.	U
218-01-9	Chrysene	1100.	J	3000.		390.	U	400.	U	390.	U	390.	U
117-84-0	Di-n-octyl phthalate	2000.	U	2000.	U	390.	U	400.	U	390.	U	390.	U
205-99-2	Benzo(b)fluoranthene	2000.	U	2500.		390.	U	400.	U	390.	U	390.	U
207-08-9	Benzo(k)fluoranthene	2000.	U	2400.		390.	U	400.	U	390.	U	390.	U
50-32-8	Benzo(a)pyrene	2000.	U	2400.		390.	U	400.	U	390.	U	390.	U
193-39-5	Indeno(1,2,3-cd)pyrene	2000.	U	1000.	J	390.	U	400.	U	390.	U	390.	U
53-70-3	Dibenz(a,h)anthracene	2000.	U	2000.	U	390.	U	400.	U	390.	U	390.	U
191-24-2	Benzo(g,h,i)perylene	2000.	U	940.	J	390.	U	400.	U	390.	U	390.	U

FDS CAR ADDENDUM
AREA 19
DPT SOIL RESULTS

SW-SVOA									
	SAMPLE ID ------->	F19-S-P019-12		F19-S-P020-10					
	ORIGINAL ID ----->	F19SP01912		F19SP02010					
	LAB SAMPLE ID --->	39138.02		39138.01					
	ID FROM REPORT -->	F19SP01912		F19SP02010					
	SAMPLE DATE ----->	06/23/99		06/23/99					
	DATE EXTRACTED -->	06/25/99		06/25/99					
	DATE ANALYZED --->	06/29/99		06/29/99					
	MATRIX ---------->	Soil		Soil					
	UNITS ---------->	UG/KG		UG/KG					
CAS #	Parameter	39138		39138					
108-95-2	Phenol	400.	U	390.	U				
111-44-4	bis(2-Chloroethyl)ether	400.	U	390.	U				
95-57-8	2-Chlorophenol	400.	U	390.	U				
541-73-1	1,3-Dichlorobenzene	400.	U	390.	U				
106-46-7	1,4-Dichlorobenzene	400.	U	390.	U				
100-51-6	Benzyl alcohol	400.	U	390.	U				
95-50-1	1,2-Dichlorobenzene	400.	U	390.	U				
95-48-7	2-Methylphenol (o-Cresol)	400.	U	390.	U				
108-60-1	2,2'-oxybis(1-Chloropropane)	400.	U	390.	U				
106-44-5	4-Methylphenol (p-Cresol)	400.	U	390.	U				
621-64-7	N-Nitroso-di-n-propylamine	400.	U	390.	U				
67-72-1	Hexachloroethane	400.	U	390.	U				
98-95-3	Nitrobenzene	400.	U	390.	U				
78-59-1	Isophorone	400.	U	390.	U				
88-75-5	2-Nitrophenol	400.	U	390.	U				
105-67-9	2,4-Dimethylphenol	400.	U	390.	U				
65-85-0	Benzoic acid	990.	U	970.	U				
111-91-1	bis(2-Chloroethoxy)methane	400.	U	390.	U				
120-83-2	2,4-Dichlorophenol	400.	U	390.	U				
120-82-1	1,2,4-Trichlorobenzene	400.	U	390.	U				
91-20-3	Naphthalene	400.	U	9100.	E				
106-47-8	4-Chloroaniline	400.	U	390.	U				
87-68-3	Hexachlorobutadiene	400.	U	390.	U				
59-50-7	4-Chloro-3-methylphenol	400.	U	390.	U				
91-57-6	2-Methylnaphthalene	400.	U	1200.					
77-47-4	Hexachlorocyclopentadiene	400.	U	390.	U				
88-06-2	2,4,6-Trichlorophenol	400.	U	390.	U				
95-95-4	2,4,5-Trichlorophenol	990.	U	970.	U				
91-58-7	2-Chloronaphthalene	400.	U	390.	U				
88-74-4	2-Nitroaniline	990.	U	970.	U				
131-11-3	Dimethyl phthalate	400.	U	390.	U				
208-96-8	Acenaphthylene	400.	U	390.	U				
99-09-2	3-Nitroaniline	990.	U	970.	U				
83-32-9	Acenaphthene	400.	U	1900.					
51-28-5	2,4-Dinitrophenol	990.	U	970.	U				
100-02-7	4-Nitrophenol	990.	U	970.	U				

FDS CAR ADDENDUM
AREA 19
DPT SOIL RESULTS

SW-SVOA									
	SAMPLE ID ------->	F19-S-P019-12		F19-S-P020-10					
	ORIGINAL ID ----->	F19SP01912		F19SP02010					
	LAB SAMPLE ID --->	39138.02		39138.01					
	ID FROM REPORT -->	F19SP01912		F19SP02010					
	SAMPLE DATE ----->	06/23/99		06/23/99					
	DATE EXTRACTED -->	06/25/99		06/25/99					
	DATE ANALYZED --->	06/29/99		06/29/99					
	MATRIX ---------->	Soil		Soil					
	UNITS ---------->	UG/KG		UG/KG					
CAS #	Parameter	39138		39138					
132-64-9	Dibenzofuran	400.	U	790.					
121-14-2	2,4-Dinitrotoluene	400.	U	390.	U				
606-20-2	2,6-Dinitrotoluene	400.	U	390.	U				
84-66-2	Diethylphthalate	400.	U	390.	U				
7005-72-3	4-Chlorophenylphenylether	400.	U	390.	U				
86-73-7	Fluorene	400.	U	880.					
100-01-6	4-Nitroaniline	990.	U	970.	U				
534-52-1	2-Methyl-4,6-Dinitrophenol	990.	U	970.	U				
86-30-6	N-Nitrosodiphenylamine	400.	U	390.	U				
101-55-3	4-Bromophenyl-phenylether	400.	U	390.	U				
118-74-1	Hexachlorobenzene	400.	U	390.	U				
87-86-5	Pentachlorophenol	990.	U	970.	U				
85-01-8	Phenanthrene	400.	U	1300.					
120-12-7	Anthracene	400.	U	390.	U				
84-74-2	Di-n-butylphthalate	400.	U	390.	U				
206-44-0	Fluoranthene	400.	U	160.	J				
129-00-0	Pyrene	400.	U	100.	J				
85-68-7	Butylbenzylphthalate	400.	U	390.	U				
91-94-1	3,3'-Dichlorobenzidine	400.	U	390.	U				
56-55-3	Benzo(a)anthracene	400.	U	390.	U				
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)	400.	U	390.	U				
218-01-9	Chrysene	400.	U	390.	U				
117-84-0	Di-n-octyl phthalate	400.	U	390.	U				
205-99-2	Benzo(b)fluoranthene	400.	U	390.	U				
207-08-9	Benzo(k)fluoranthene	400.	U	390.	U				
50-32-8	Benzo(a)pyrene	400.	U	390.	U				
193-39-5	Indeno(1,2,3-cd)pyrene	400.	U	390.	U				
53-70-3	Dibenz(a,h)anthracene	400.	U	390.	U				
191-24-2	Benzo(g,h,i)perylene	400.	U	390.	U				

FDS CAR ADDENDUM
AREA 19
DPT SOIL RESULTS

SW846-VOA													
	SAMPLE ID ------->	F19-S-P001-06		F19-S-P002-05		F19-S-P003-05		F19-S-P004-06		F19-S-P005-05		F19-S-P006-04	
	ORIGINAL ID ----->	F19SP00106		F19SP00205		F19SP00305		F19SP00406		F19SP00505		F19SP00604	
	LAB SAMPLE ID --->	37182.04		37182.02		37182.03		37202.01		37182.05		37182.01	
	ID FROM REPORT -->	F19SP00106		F19SP00205		F19SP00305		F19SP00406		F19SP00505		F19SP00604	
	SAMPLE DATE ----->	01/21/99		01/21/99		01/21/99		01/22/99		01/21/99		01/21/99	
	DATE ANALYZED --->	01/25/99		01/27/99		01/25/99		01/27/99		01/25/99		01/25/99	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	37182		37182		37182		37202		37182		37182	
71-43-2	Benzene	6.	U	5.	U	5.	U	6.	U	5.	U	8.	
100-41-4	Ethylbenzene	6.	U	5.	U	5.	U	6.	U	5.	U	83.	
108-88-3	Toluene	6.	U	5.	U	5.	U	6.	U	5.	U	5.	U
1330-20-7	Xylene (Total)	6.	U	5.	U	5.	U	6.	U	5.	U	12.	
74-87-3	Chloromethane	NR		NR		NR		NR		NR		NR	
74-83-9	Bromomethane	NR		NR		NR		NR		NR		NR	
75-01-4	Vinyl chloride	NR		NR		NR		NR		NR		NR	
75-00-3	Chloroethane	NR		NR		NR		NR		NR		NR	
75-09-2	Methylene chloride	NR		NR		NR		NR		NR		NR	
67-64-1	Acetone	NR		NR		NR		NR		NR		NR	
75-15-0	Carbon disulfide	NR		NR		NR		NR		NR		NR	
75-35-4	1,1-Dichloroethene	NR		NR		NR		NR		NR		NR	
75-34-3	1,1-Dichloroethane	NR		NR		NR		NR		NR		NR	
540-59-0	1,2-Dichloroethene (total)	NR		NR		NR		NR		NR		NR	
67-66-3	Chloroform	NR		NR		NR		NR		NR		NR	
107-06-2	1,2-Dichloroethane	NR		NR		NR		NR		NR		NR	
78-93-3	2-Butanone (MEK)	NR		NR		NR		NR		NR		NR	
71-55-6	1,1,1-Trichloroethane	NR		NR		NR		NR		NR		NR	
56-23-5	Carbon tetrachloride	NR		NR		NR		NR		NR		NR	
108-05-4	Vinyl acetate	NR		NR		NR		NR		NR		NR	
75-27-4	Bromodichloromethane	NR		NR		NR		NR		NR		NR	
78-87-5	1,2-Dichloropropane	NR		NR		NR		NR		NR		NR	
10061-01-5	cis-1,3-Dichloropropene	NR		NR		NR		NR		NR		NR	
79-01-6	Trichloroethene	NR		NR		NR		NR		NR		NR	
124-48-1	Dibromochloromethane	NR		NR		NR		NR		NR		NR	
79-00-5	1,1,2-Trichloroethane	NR		NR		NR		NR		NR		NR	
10061-02-6	trans-1,3-Dichloropropene	NR		NR		NR		NR		NR		NR	
75-25-2	Bromoform	NR		NR		NR		NR		NR		NR	
108-10-1	4-Methyl-2-Pentanone (MIBK)	NR		NR		NR		NR		NR		NR	
591-78-6	2-Hexanone	NR		NR		NR		NR		NR		NR	
127-18-4	Tetrachloroethene	NR		NR		NR		NR		NR		NR	
79-34-5	1,1,2,2-Tetrachloroethane	NR		NR		NR		NR		NR		NR	
108-90-7	Chlorobenzene	NR		NR		NR		NR		NR		NR	
100-42-5	Styrene	NR		NR		NR		NR		NR		NR	
110-75-8	2-Chloroethyl vinyl ether	NR		NR		NR		NR		NR		NR	

FDS CAR ADDENDUM
AREA 19
DPT SOIL RESULTS

SW846-VOA																	
	SAMPLE ID ------->	F19-S-P007-06		F19-S-P009-09		F19-S-P010-05		F19-S-P011-05		F19-S-P012-05		F19-S-P013-11	
	ORIGINAL ID ----->	F19SP00706		F19SP00909		F19SP01005		F19SP01105		F19SP01205		F19SP01311	
	LAB SAMPLE ID --->	37182.06		38434.05		38434.06		38434.07		38434.08		39138.04	
	ID FROM REPORT -->	F19SP00706		F19SP00909		F19SP01005		F19SP01105		F19SP01205		F19SP01311	
	SAMPLE DATE ----->	01/21/99		05/07/99		05/07/99		05/07/99		05/07/99		06/23/99	
	DATE ANALYZED --->	01/25/99		05/11/99		05/10/99		05/10/99		05/11/99		06/28/99	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	37182		38434		38434		38434		38434		39138	
71-43-2	Benzene	6.	U	6.	U	6.	U	5.	U	18.		26.	
100-41-4	Ethylbenzene	6.	U	6.	U	6.	U	5.	U	7700.	E	38.	
108-88-3	Toluene	6.	U	6.	U	6.	U	5.	U	6.	U	5.	U
1330-20-7	Xylene (Total)	6.	U	6.	U	6.	U	5.	U	780.	E	5.	U
74-87-3	Chloromethane	NR		NR		NR		NR		NR		NR	
74-83-9	Bromomethane	NR		NR		NR		NR		NR		NR	
75-01-4	Vinyl chloride	NR		NR		NR		NR		NR		NR	
75-00-3	Chloroethane	NR		NR		NR		NR		NR		NR	
75-09-2	Methylene chloride	NR		NR		NR		NR		NR		NR	
67-64-1	Acetone	NR		NR		NR		NR		NR		NR	
75-15-0	Carbon disulfide	NR		NR		NR		NR		NR		NR	
75-35-4	1,1-Dichloroethene	NR		NR		NR		NR		NR		NR	
75-34-3	1,1-Dichloroethane	NR		NR		NR		NR		NR		NR	
540-59-0	1,2-Dichloroethene (total)	NR		NR		NR		NR		NR		NR	
67-66-3	Chloroform	NR		NR		NR		NR		NR		NR	
107-06-2	1,2-Dichloroethane	NR		NR		NR		NR		NR		NR	
78-93-3	2-Butanone (MEK)	NR		NR		NR		NR		NR		NR	
71-55-6	1,1,1-Trichloroethane	NR		NR		NR		NR		NR		NR	
56-23-5	Carbon tetrachloride	NR		NR		NR		NR		NR		NR	
108-05-4	Vinyl acetate	NR		NR		NR		NR		NR		NR	
75-27-4	Bromodichloromethane	NR		NR		NR		NR		NR		NR	
78-87-5	1,2-Dichloropropane	NR		NR		NR		NR		NR		NR	
10061-01-5	cis-1,3-Dichloropropene	NR		NR		NR		NR		NR		NR	
79-01-6	Trichloroethene	NR		NR		NR		NR		NR		NR	
124-48-1	Dibromochloromethane	NR		NR		NR		NR		NR		NR	
79-00-5	1,1,2-Trichloroethane	NR		NR		NR		NR		NR		NR	
10061-02-6	trans-1,3-Dichloropropene	NR		NR		NR		NR		NR		NR	
75-25-2	Bromoform	NR		NR		NR		NR		NR		NR	
108-10-1	4-Methyl-2-Pentanone (MIBK)	NR		NR		NR		NR		NR		NR	
591-78-6	2-Hexanone	NR		NR		NR		NR		NR		NR	
127-18-4	Tetrachloroethene	NR		NR		NR		NR		NR		NR	
79-34-5	1,1,2,2-Tetrachloroethane	NR		NR		NR		NR		NR		NR	
108-90-7	Chlorobenzene	NR		NR		NR		NR		NR		NR	
100-42-5	Styrene	NR		NR		NR		NR		NR		NR	
110-75-8	2-Chloroethyl vinyl ether	NR		NR		NR		NR		NR		NR	

FDS CAR ADDENDUM
AREA 19
DPT SOIL RESULTS

SW846-VOA													
	SAMPLE ID ------->	F19-S-P014-07		F19-S-P015-07		F19-S-P016-11		F19-S-P017-11		F19-S-P018-11		F19-S-P019-12	
	ORIGINAL ID ----->	F19SP01407		F19SP01507		F19SP01611		F19SP01711		F19SP01811		F19SP01912	
	LAB SAMPLE ID --->	39138.05		39138.08		39138.07		39138.06		39138.03		39138.02	
	ID FROM REPORT -->	F19SP01407		F19SP01507		F19SP01611		F19SP01711		F19SP01811		F19SP01912	
	SAMPLE DATE ----->	06/23/99		06/23/99		06/23/99		06/23/99		06/23/99		06/23/99	
	DATE ANALYZED --->	06/29/99		06/28/99		06/28/99		06/29/99		06/28/99		06/28/99	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	39138		39138		39138		39138		39138		39138	
71-43-2	Benzene	6.	U	6.	U	5.	U	5.	U	5.	U	5.	U
100-41-4	Ethylbenzene	2.	J	300.	E	5.	U	5.	U	5.	U	5.	U
108-88-3	Toluene	6.	U	6.	U	5.	U	5.	U	5.	U	5.	U
1330-20-7	Xylene (Total)	3.	J	6.	U	5.	U	5.	U	5.	U	5.	U
74-87-3	Chloromethane	NR		NR		NR		NR		NR		NR	
74-83-9	Bromomethane	NR		NR		NR		NR		NR		NR	
75-01-4	Vinyl chloride	NR		NR		NR		NR		NR		NR	
75-00-3	Chloroethane	NR		NR		NR		NR		NR		NR	
75-09-2	Methylene chloride	NR		NR		NR		NR		NR		NR	
67-64-1	Acetone	NR		NR		NR		NR		NR		NR	
75-15-0	Carbon disulfide	NR		NR		NR		NR		NR		NR	
75-35-4	1,1-Dichloroethene	NR		NR		NR		NR		NR		NR	
75-34-3	1,1-Dichloroethane	NR		NR		NR		NR		NR		NR	
540-59-0	1,2-Dichloroethene (total)	NR		NR		NR		NR		NR		NR	
67-66-3	Chloroform	NR		NR		NR		NR		NR		NR	
107-06-2	1,2-Dichloroethane	NR		NR		NR		NR		NR		NR	
78-93-3	2-Butanone (MEK)	NR		NR		NR		NR		NR		NR	
71-55-6	1,1,1-Trichloroethane	NR		NR		NR		NR		NR		NR	
56-23-5	Carbon tetrachloride	NR		NR		NR		NR		NR		NR	
108-05-4	Vinyl acetate	NR		NR		NR		NR		NR		NR	
75-27-4	Bromodichloromethane	NR		NR		NR		NR		NR		NR	
78-87-5	1,2-Dichloropropane	NR		NR		NR		NR		NR		NR	
10061-01-5	cis-1,3-Dichloropropene	NR		NR		NR		NR		NR		NR	
79-01-6	Trichloroethene	NR		NR		NR		NR		NR		NR	
124-48-1	Dibromochloromethane	NR		NR		NR		NR		NR		NR	
79-00-5	1,1,2-Trichloroethane	NR		NR		NR		NR		NR		NR	
10061-02-6	trans-1,3-Dichloropropene	NR		NR		NR		NR		NR		NR	
75-25-2	Bromoform	NR		NR		NR		NR		NR		NR	
108-10-1	4-Methyl-2-Pentanone (MIBK)	NR		NR		NR		NR		NR		NR	
591-78-6	2-Hexanone	NR		NR		NR		NR		NR		NR	
127-18-4	Tetrachloroethene	NR		NR		NR		NR		NR		NR	
79-34-5	1,1,2,2-Tetrachloroethane	NR		NR		NR		NR		NR		NR	
108-90-7	Chlorobenzene	NR		NR		NR		NR		NR		NR	
100-42-5	Styrene	NR		NR		NR		NR		NR		NR	
110-75-8	2-Chloroethyl vinyl ether	NR		NR		NR		NR		NR		NR	

FDS CAR ADDENDUM
AREA 19
DPT SOIL RESULTS

SW846-VOA

SAMPLE ID ------->	F19-S-P020-10
ORIGINAL ID ----->	F19SP02010
LAB SAMPLE ID --->	39138.01
ID FROM REPORT -->	F19SP02010
SAMPLE DATE ----->	06/23/99
DATE ANALYZED --->	06/28/99
MATRIX ---------->	Soil
UNITS ----------->	UG/KG

CAS #	Parameter	39138	
71-43-2	Benzene	5.	U
100-41-4	Ethylbenzene	5.	U
108-88-3	Toluene	5.	U
1330-20-7	Xylene (Total)	1.	J
74-87-3	Chloromethane	NR	
74-83-9	Bromomethane	NR	
75-01-4	Vinyl chloride	NR	
75-00-3	Chloroethane	NR	
75-09-2	Methylene chloride	NR	
67-64-1	Acetone	NR	
75-15-0	Carbon disulfide	NR	
75-35-4	1,1-Dichloroethene	NR	
75-34-3	1,1-Dichloroethane	NR	
540-59-0	1,2-Dichloroethene (total)	NR	
67-66-3	Chloroform	NR	
107-06-2	1,2-Dichloroethane	NR	
78-93-3	2-Butanone (MEK)	NR	
71-55-6	1,1,1-Trichloroethane	NR	
56-23-5	Carbon tetrachloride	NR	
108-05-4	Vinyl acetate	NR	
75-27-4	Bromodichloromethane	NR	
78-87-5	1,2-Dichloropropane	NR	
10061-01-5	cis-1,3-Dichloropropene	NR	
79-01-6	Trichloroethene	NR	
124-48-1	Dibromochloromethane	NR	
79-00-5	1,1,2-Trichloroethane	NR	
10061-02-6	trans-1,3-Dichloropropene	NR	
75-25-2	Bromoform	NR	
108-10-1	4-Methyl-2-Pentanone (MIBK)	NR	
591-78-6	2-Hexanone	NR	
127-18-4	Tetrachloroethene	NR	
79-34-5	1,1,2,2-Tetrachloroethane	NR	
108-90-7	Chlorobenzene	NR	
100-42-5	Styrene	NR	
110-75-8	2-Chloroethyl vinyl ether	NR	

FDS CAR ADDENDUM
AREA 19
DPT GROUNDWATER RESULTS

SW846-VOA							
	SAMPLE ID ------->	F19-G-P001-01	F19-G-P002-01	F19-G-P003-01	F19-G-P004-01	F19-G-P005-01	F19-G-P009-01
	ORIGINAL ID ----->	F19GP00101	F19GP00201	F19GP00301	F19GP00401	F19GP00501	F19GP00901
	LAB SAMPLE ID --->	38036.01	38036.02	38036.04	38036.05	38036.03	38464.01
	ID FROM REPORT -->	F19GP00101	F19GP00201	F19GP00301	F19GP00401	F19GP00501	F19GP00901
	SAMPLE DATE ----->	04/12/99	04/12/99	04/12/99	04/12/99	04/12/99	05/10/99
	DATE ANALYZED --->	04/14/99	04/14/99	04/14/99	04/14/99	04/14/99	05/15/99
	MATRIX ---------->	Water	Water	Water	Water	Water	Water
	UNITS ---------->	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
CAS #	Parameter	38036	38036	38036	38036	38036	38464
71-43-2	Benzene	5. U	5. U	5. U	5. U	5. U	8.
100-41-4	Ethylbenzene	1. J	5. U	5. U	5. U	5. U	5. U
108-88-3	Toluene	5. U	5. U	5. U	5. U	5. U	5. U
1330-20-7	Xylene (Total)	5. U	5. U	5. U	5. U	5. U	5. U
74-87-3	Chloromethane	NR	NR	NR	NR	NR	NR
74-83-9	Bromomethane	NR	NR	NR	NR	NR	NR
75-01-4	Vinyl chloride	NR	NR	NR	NR	NR	NR
75-00-3	Chloroethane	NR	NR	NR	NR	NR	NR
75-09-2	Methylene chloride	NR	NR	NR	NR	NR	NR
67-64-1	Acetone	NR	NR	NR	NR	NR	NR
75-15-0	Carbon disulfide	NR	NR	NR	NR	NR	NR
75-35-4	1,1-Dichloroethene	NR	NR	NR	NR	NR	NR
75-34-3	1,1-Dichloroethane	NR	NR	NR	NR	NR	NR
540-59-0	1,2-Dichloroethene (total)	NR	NR	NR	NR	NR	NR
67-66-3	Chloroform	NR	NR	NR	NR	NR	NR
107-06-2	1,2-Dichloroethane	NR	NR	NR	NR	NR	NR
78-93-3	2-Butanone (MEK)	NR	NR	NR	NR	NR	NR
71-55-6	1,1,1-Trichloroethane	NR	NR	NR	NR	NR	NR
56-23-5	Carbon tetrachloride	NR	NR	NR	NR	NR	NR
108-05-4	Vinyl acetate	NR	NR	NR	NR	NR	NR
75-27-4	Bromodichloromethane	NR	NR	NR	NR	NR	NR
78-87-5	1,2-Dichloropropane	NR	NR	NR	NR	NR	NR
10061-01-5	cis-1,3-Dichloropropene	NR	NR	NR	NR	NR	NR
79-01-6	Trichloroethene	NR	NR	NR	NR	NR	NR
124-48-1	Dibromochloromethane	NR	NR	NR	NR	NR	NR
79-00-5	1,1,2-Trichloroethane	NR	NR	NR	NR	NR	NR
10061-02-6	trans-1,3-Dichloropropene	NR	NR	NR	NR	NR	NR
75-25-2	Bromoform	NR	NR	NR	NR	NR	NR
108-10-1	4-Methyl-2-Pentanone (MIBK)	NR	NR	NR	NR	NR	NR
591-78-6	2-Hexanone	NR	NR	NR	NR	NR	NR
127-18-4	Tetrachloroethene	NR	NR	NR	NR	NR	NR
79-34-5	1,1,2,2-Tetrachloroethane	NR	NR	NR	NR	NR	NR
108-90-7	Chlorobenzene	NR	NR	NR	NR	NR	NR
100-42-5	Styrene	NR	NR	NR	NR	NR	NR
110-75-8	2-Chloroethyl vinyl ether	NR	NR	NR	NR	NR	NR

FDS CAR ADDENDUM
AREA 19
DPT GROUNDWATER RESULTS

SW846-VOA																			
	SAMPLE ID ------->	F19-G-P010-01		F19-G-P011-01		F19-G-P012-01		F19-G-P013-01		F19-G-P014-01		F19-G-P015-01	
	ORIGINAL ID ----->	F19GP01001		F19GP01101		F19GP01201		F19GP01301		F19GP01401		F19GP01501	
	LAB SAMPLE ID --->	38464.02		38464.03		38464.04		39154.05		39154.06		39194.07	
	ID FROM REPORT -->	F19GP01001		F19GP01101		F19GP01201		F19GP01301		F19GP01401		F19GP01501	
	SAMPLE DATE ----->	05/10/99		05/10/99		05/10/99		06/24/99		06/24/99		06/28/99	
	DATE ANALYZED --->	05/15/99		05/15/99		05/15/99		07/07/99		07/07/99		07/01/99	
	MATRIX ---------->	Water		Water		Water		Water		Water		Water	
	UNITS ---------->	UG/L		UG/L		UG/L		UG/L		UG/L		UG/L	
CAS #	Parameter	38464		38464		38464		39154		39154		39194	
71-43-2	Benzene	5.	U	5.	U	5.	U	32.		2.	J	5.	U
100-41-4	Ethylbenzene	5.	U	5.	U	44.		40.		5.	U	5.	U
108-88-3	Toluene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
1330-20-7	Xylene (Total)	5.	U	5.	U	2.	J	13.		5.	U	2.	J
74-87-3	Chloromethane	NR		NR		NR		NR		NR		NR	
74-83-9	Bromomethane	NR		NR		NR		NR		NR		NR	
75-01-4	Vinyl chloride	NR		NR		NR		NR		NR		NR	
75-00-3	Chloroethane	NR		NR		NR		NR		NR		NR	
75-09-2	Methylene chloride	NR		NR		NR		NR		NR		NR	
67-64-1	Acetone	NR		NR		NR		NR		NR		NR	
75-15-0	Carbon disulfide	NR		NR		NR		NR		NR		NR	
75-35-4	1,1-Dichloroethene	NR		NR		NR		NR		NR		NR	
75-34-3	1,1-Dichloroethane	NR		NR		NR		NR		NR		NR	
540-59-0	1,2-Dichloroethene (total)	NR		NR		NR		NR		NR		NR	
67-66-3	Chloroform	NR		NR		NR		NR		NR		NR	
107-06-2	1,2-Dichloroethane	NR		NR		NR		NR		NR		NR	
78-93-3	2-Butanone (MEK)	NR		NR		NR		NR		NR		NR	
71-55-6	1,1,1-Trichloroethane	NR		NR		NR		NR		NR		NR	
56-23-5	Carbon tetrachloride	NR		NR		NR		NR		NR		NR	
108-05-4	Vinyl acetate	NR		NR		NR		NR		NR		NR	
75-27-4	Bromodichloromethane	NR		NR		NR		NR		NR		NR	
78-87-5	1,2-Dichloropropane	NR		NR		NR		NR		NR		NR	
10061-01-5	cis-1,3-Dichloropropene	NR		NR		NR		NR		NR		NR	
79-01-6	Trichloroethene	NR		NR		NR		NR		NR		NR	
124-48-1	Dibromochloromethane	NR		NR		NR		NR		NR		NR	
79-00-5	1,1,2-Trichloroethane	NR		NR		NR		NR		NR		NR	
10061-02-6	trans-1,3-Dichloropropene	NR		NR		NR		NR		NR		NR	
75-25-2	Bromoform	NR		NR		NR		NR		NR		NR	
108-10-1	4-Methyl-2-Pentanone (MIBK)	NR		NR		NR		NR		NR		NR	
591-78-6	2-Hexanone	NR		NR		NR		NR		NR		NR	
127-18-4	Tetrachloroethene	NR		NR		NR		NR		NR		NR	
79-34-5	1,1,2,2-Tetrachloroethane	NR		NR		NR		NR		NR		NR	
108-90-7	Chlorobenzene	NR		NR		NR		NR		NR		NR	
100-42-5	Styrene	NR		NR		NR		NR		NR		NR	
110-75-8	2-Chloroethyl vinyl ether	NR		NR		NR		NR		NR		NR	

FDS CAR ADDENDUM
AREA 19
DPT GROUNDWATER RESULTS

SW846-VOA											
	SAMPLE ID ------->	F19-G-P016-01		F19-G-P017-01		F19-G-P018-01		F19-G-P019-01		F19-G-P020-01	
	ORIGINAL ID ----->	F19GP01601		F19GP01701		F19GP01801		F19GP01901		F19GP02001	
	LAB SAMPLE ID --->	39194.06		39194.05		39194.04		39194.03		39194.02	
	ID FROM REPORT -->	F19GP01601		F19GP01701		F19GP01801		F19GP01901		F19GP02001	
	SAMPLE DATE ----->	06/28/99		06/28/99		06/28/99		06/28/99		06/28/99	
	DATE ANALYZED --->	06/30/99		06/30/99		06/30/99		06/30/99		06/30/99	
	MATRIX ---------->	Water		Water		Water		Water		Water	
	UNITS ---------->	UG/L		UG/L		UG/L		UG/L		UG/L	
CAS #	Parameter	39194		39194		39194		39194		39194	
71-43-2	Benzene	5.	U	5.	U	5.	U	5.	U	5.	U
100-41-4	Ethylbenzene	5.	U	5.	U	5.	U	5.	U	5.	U
108-88-3	Toluene	5.	U	5.	U	5.	U	5.	U	5.	U
1330-20-7	Xylene (Total)	5.	U	5.	U	5.	U	5.	U	5.	U
74-87-3	Chloromethane	NR		NR		NR		NR		NR	
74-83-9	Bromomethane	NR		NR		NR		NR		NR	
75-01-4	Vinyl chloride	NR		NR		NR		NR		NR	
75-00-3	Chloroethane	NR		NR		NR		NR		NR	
75-09-2	Methylene chloride	NR		NR		NR		NR		NR	
67-64-1	Acetone	NR		NR		NR		NR		NR	
75-15-0	Carbon disulfide	NR		NR		NR		NR		NR	
75-35-4	1,1-Dichloroethene	NR		NR		NR		NR		NR	
75-34-3	1,1-Dichloroethane	NR		NR		NR		NR		NR	
540-59-0	1,2-Dichloroethene (total)	NR		NR		NR		NR		NR	
67-66-3	Chloroform	NR		NR		NR		NR		NR	
107-06-2	1,2-Dichloroethane	NR		NR		NR		NR		NR	
78-93-3	2-Butanone (MEK)	NR		NR		NR		NR		NR	
71-55-6	1,1,1-Trichloroethane	NR		NR		NR		NR		NR	
56-23-5	Carbon tetrachloride	NR		NR		NR		NR		NR	
108-05-4	Vinyl acetate	NR		NR		NR		NR		NR	
75-27-4	Bromodichloromethane	NR		NR		NR		NR		NR	
78-87-5	1,2-Dichloropropane	NR		NR		NR		NR		NR	
10061-01-5	cis-1,3-Dichloropropene	NR		NR		NR		NR		NR	
79-01-6	Trichloroethene	NR		NR		NR		NR		NR	
124-48-1	Dibromochloromethane	NR		NR		NR		NR		NR	
79-00-5	1,1,2-Trichloroethane	NR		NR		NR		NR		NR	
10061-02-6	trans-1,3-Dichloropropene	NR		NR		NR		NR		NR	
75-25-2	Bromoform	NR		NR		NR		NR		NR	
108-10-1	4-Methyl-2-Pentanone (MIBK)	NR		NR		NR		NR		NR	
591-78-6	2-Hexanone	NR		NR		NR		NR		NR	
127-18-4	Tetrachloroethene	NR		NR		NR		NR		NR	
79-34-5	1,1,2,2-Tetrachloroethane	NR		NR		NR		NR		NR	
108-90-7	Chlorobenzene	NR		NR		NR		NR		NR	
100-42-5	Styrene	NR		NR		NR		NR		NR	
110-75-8	2-Chloroethyl vinyl ether	NR		NR		NR		NR		NR	

FDS CAR ADDENDUM
AREA 19
DPT GROUNDWATER RESULTS

SW846-SVOA													
	SAMPLE ID ------->	F19-G-P001-01		F19-G-P002-01		F19-G-P003-01		F19-G-P004-01		F19-G-P005-01		F19-G-P009-01	
	ORIGINAL ID ----->	F19GP00101		F19GP00201		F19GP00301		F19GP00401		F19GP00501		F19GP00901	
	LAB SAMPLE ID --->	38036.01		38036.02		38036.04		38036.05		38036.03		38464.01	
	ID FROM REPORT -->	F19GP00101		F19GP00201		F19GP00301		F19GP00401		F19GP00501		F19GP00901	
	SAMPLE DATE ----->	04/12/99		04/12/99		04/12/99		04/12/99		04/12/99		05/10/99	
	DATE EXTRACTED -->	04/13/99		04/13/99		04/13/99		04/13/99		04/13/99		05/12/99	
	DATE ANALYZED --->	04/22/99		04/20/99		04/22/99		04/22/99		04/22/99		05/18/99	
	MATRIX ---------->	Water		Water		Water		Water		Water		Water	
	UNITS ---------->	UG/L		UG/L		UG/L		UG/L		UG/L		UG/L	
CAS #	Parameter	38036		38036		38036		38036		38036		38464	
91-20-3	Naphthalene	15.	U	20.	U	18.	U	16.	U	13.	U	2.	J
56-55-3	Benzo(a)anthracene	15.	U	20.	U	18.	U	16.	U	13.	U	10.	U
218-01-9	Chrysene	15.	U	20.	U	18.	U	1.	J	13.	U	10.	U
205-99-2	Benzo(b)fluoranthene	15.	U	20.	U	18.	U	0.8	J	13.	U	10.	U
207-08-9	Benzo(k)fluoranthene	15.	U	20.	U	18.	U	1.	J	13.	U	10.	U
108-95-2	Phenol	NR		NR		NR		NR		NR		NR	
111-44-4	bis(2-Chloroethyl)ether	NR		NR		NR		NR		NR		NR	
95-57-8	2-Chlorophenol	NR		NR		NR		NR		NR		NR	
541-73-1	1,3-Dichlorobenzene	NR		NR		NR		NR		NR		NR	
106-46-7	1,4-Dichlorobenzene	NR		NR		NR		NR		NR		NR	
100-51-6	Benzyl alcohol	NR		NR		NR		NR		NR		NR	
95-50-1	1,2-Dichlorobenzene	NR		NR		NR		NR		NR		NR	
95-48-7	2-Methylphenol (o-Cresol)	NR		NR		NR		NR		NR		NR	
108-60-1	2,2'-oxybis(1-Chloropropane)	NR		NR		NR		NR		NR		NR	
106-44-5	4-Methylphenol (p-Cresol)	NR		NR		NR		NR		NR		NR	
621-64-7	N-Nitroso-di-n-propylamine	NR		NR		NR		NR		NR		NR	
67-72-1	Hexachloroethane	NR		NR		NR		NR		NR		NR	
98-95-3	Nitrobenzene	NR		NR		NR		NR		NR		NR	
78-59-1	Isophorone	NR		NR		NR		NR		NR		NR	
88-75-5	2-Nitrophenol	NR		NR		NR		NR		NR		NR	
105-67-9	2,4-Dimethylphenol	NR		NR		NR		NR		NR		NR	
65-85-0	Benzoic acid	NR		NR		NR		NR		NR		NR	
111-91-1	bis(2-Chloroethoxy)methane	NR		NR		NR		NR		NR		NR	
120-83-2	2,4-Dichlorophenol	NR		NR		NR		NR		NR		NR	
120-82-1	1,2,4-Trichlorobenzene	NR		NR		NR		NR		NR		NR	
106-47-8	4-Chloroaniline	NR		NR		NR		NR		NR		NR	
87-68-3	Hexachlorobutadiene	NR		NR		NR		NR		NR		NR	
59-50-7	4-Chloro-3-methylphenol	NR		NR		NR		NR		NR		NR	
91-57-6	2-Methylnaphthalene	NR		NR		NR		NR		NR		NR	
77-47-4	Hexachlorocyclopentadiene	NR		NR		NR		NR		NR		NR	
88-06-2	2,4,6-Trichlorophenol	NR		NR		NR		NR		NR		NR	
95-95-4	2,4,5-Trichlorophenol	NR		NR		NR		NR		NR		NR	
91-58-7	2-Chloronaphthalene	NR		NR		NR		NR		NR		NR	
88-74-4	2-Nitroaniline	NR		NR		NR		NR		NR		NR	
131-11-3	Dimethyl phthalate	NR		NR		NR		NR		NR		NR	
208-96-8	Acenaphthylene	NR		NR		NR		NR		NR		NR	

FDS CAR ADDENDUM
AREA 19
DPT GROUNDWATER RESULTS

SW846-SVOA							
	SAMPLE ID ------->	F19-G-P001-01	F19-G-P002-01	F19-G-P003-01	F19-G-P004-01	F19-G-P005-01	F19-G-P009-01
	ORIGINAL ID ----->	F19GP00101	F19GP00201	F19GP00301	F19GP00401	F19GP00501	F19GP00901
	LAB SAMPLE ID --->	38036.01	38036.02	38036.04	38036.05	38036.03	38464.01
	ID FROM REPORT -->	F19GP00101	F19GP00201	F19GP00301	F19GP00401	F19GP00501	F19GP00901
	SAMPLE DATE ----->	04/12/99	04/12/99	04/12/99	04/12/99	04/12/99	05/10/99
	DATE EXTRACTED -->	04/13/99	04/13/99	04/13/99	04/13/99	04/13/99	05/12/99
	DATE ANALYZED --->	04/22/99	04/20/99	04/22/99	04/22/99	04/22/99	05/18/99
	MATRIX ---------->	Water	Water	Water	Water	Water	Water
	UNITS ---------->	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
CAS #	Parameter	38036	38036	38036	38036	38036	38464
99-09-2	3-Nitroaniline	NR	NR	NR	NR	NR	NR
83-32-9	Acenaphthene	NR	NR	NR	NR	NR	NR
51-28-5	2,4-Dinitrophenol	NR	NR	NR	NR	NR	NR
100-02-7	4-Nitrophenol	NR	NR	NR	NR	NR	NR
132-64-9	Dibenzofuran	NR	NR	NR	NR	NR	NR
121-14-2	2,4-Dinitrotoluene	NR	NR	NR	NR	NR	NR
606-20-2	2,6-Dinitrotoluene	NR	NR	NR	NR	NR	NR
84-66-2	Diethylphthalate	NR	NR	NR	NR	NR	NR
7005-72-3	4-Chlorophenylphenylether	NR	NR	NR	NR	NR	NR
86-73-7	Fluorene	NR	NR	NR	NR	NR	NR
100-01-6	4-Nitroaniline	NR	NR	NR	NR	NR	NR
534-52-1	2-Methyl-4,6-Dinitrophenol	NR	NR	NR	NR	NR	NR
86-30-6	N-Nitrosodiphenylamine	NR	NR	NR	NR	NR	NR
101-55-3	4-Bromophenyl-phenylether	NR	NR	NR	NR	NR	NR
118-74-1	Hexachlorobenzene	NR	NR	NR	NR	NR	NR
87-86-5	Pentachlorophenol	NR	NR	NR	NR	NR	NR
85-01-8	Phenanthrene	NR	NR	NR	NR	NR	NR
120-12-7	Anthracene	NR	NR	NR	NR	NR	NR
84-74-2	Di-n-butylphthalate	NR	NR	NR	NR	NR	NR
206-44-0	Fluoranthene	NR	NR	NR	NR	NR	NR
129-00-0	Pyrene	NR	NR	NR	NR	NR	NR
85-68-7	Butylbenzylphthalate	NR	NR	NR	NR	NR	NR
91-94-1	3,3'-Dichlorobenzidine	NR	NR	NR	NR	NR	NR
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)	NR	NR	NR	NR	NR	NR
117-84-0	Di-n-octyl phthalate	NR	NR	NR	NR	NR	NR
50-32-8	Benzo(a)pyrene	NR	NR	NR	NR	NR	NR
193-39-5	Indeno(1,2,3-cd)pyrene	NR	NR	NR	NR	NR	NR
53-70-3	Dibenz(a,h)anthracene	NR	NR	NR	NR	NR	NR
191-24-2	Benzo(g,h,i)perylene	NR	NR	NR	NR	NR	NR

FDS CAR ADDENDUM
AREA 19
DPT GROUNDWATER RESULTS

SW846-SVOA													
		SAMPLE ID ------->	F19-G-P010-01		F19-G-P011-01		F19-G-P012-01						
		ORIGINAL ID ----->	F19GP01001		F19GP01101		F19GP01201						
		LAB SAMPLE ID --->	38464.02		38464.03		38464.04						
		ID FROM REPORT -->	F19GP01001		F19GP01101		F19GP01201						
		SAMPLE DATE ----->	05/10/99		05/10/99		05/10/99						
		DATE EXTRACTED -->	05/12/99		05/12/99		05/12/99						
		DATE ANALYZED --->	05/18/99		05/18/99		05/18/99						
		MATRIX ---------->	Water		Water		Water						
		UNITS ---------->	UG/L		UG/L		UG/L						
CAS #	Parameter		38464		38464		38464						
91-20-3	Naphthalene		0.8	J	3.	J	91000.						
56-55-3	Benzo(a)anthracene		10.	U	10.	U	17000.	U					
218-01-9	Chrysene		10.	U	10.	U	2400.	J					
205-99-2	Benzo(b)fluoranthene		10.	U	10.	U	17000.	U					
207-08-9	Benzo(k)fluoranthene		10.	U	10.	U	17000.	U					
108-95-2	Phenol		NR		NR		NR						
111-44-4	bis(2-Chloroethyl)ether		NR		NR		NR						
95-57-8	2-Chlorophenol		NR		NR		NR						
541-73-1	1,3-Dichlorobenzene		NR		NR		NR						
106-46-7	1,4-Dichlorobenzene		NR		NR		NR						
100-51-6	Benzyl alcohol		NR		NR		NR						
95-50-1	1,2-Dichlorobenzene		NR		NR		NR						
95-48-7	2-Methylphenol (o-Cresol)		NR		NR		NR						
108-60-1	2,2'-oxybis(1-Chloropropane)		NR		NR		NR						
106-44-5	4-Methylphenol (p-Cresol)		NR		NR		NR						
621-64-7	N-Nitroso-di-n-propylamine		NR		NR		NR						
67-72-1	Hexachloroethane		NR		NR		NR						
98-95-3	Nitrobenzene		NR		NR		NR						
78-59-1	Isophorone		NR		NR		NR						
88-75-5	2-Nitrophenol		NR		NR		NR						
105-67-9	2,4-Dimethylphenol		NR		NR		NR						
65-85-0	Benzoic acid		NR		NR		NR						
111-91-1	bis(2-Chloroethoxy)methane		NR		NR		NR						
120-83-2	2,4-Dichlorophenol		NR		NR		NR						
120-82-1	1,2,4-Trichlorobenzene		NR		NR		NR						
106-47-8	4-Chloroaniline		NR		NR		NR						
87-68-3	Hexachlorobutadiene		NR		NR		NR						
59-50-7	4-Chloro-3-methylphenol		NR		NR		NR						
91-57-6	2-Methylnaphthalene		NR		NR		NR						
77-47-4	Hexachlorocyclopentadiene		NR		NR		NR						
88-06-2	2,4,6-Trichlorophenol		NR		NR		NR						
95-95-4	2,4,5-Trichlorophenol		NR		NR		NR						
91-58-7	2-Chloronaphthalene		NR		NR		NR						
88-74-4	2-Nitroaniline		NR		NR		NR						
131-11-3	Dimethyl phthalate		NR		NR		NR						
208-96-8	Acenaphthylene		NR		NR		NR						

FDS CAR ADDENDUM
AREA 19
DPT GROUNDWATER RESULTS

SW846-SVOA							
	SAMPLE ID ------->	F19-G-P010-01	F19-G-P011-01	F19-G-P012-01			
	ORIGINAL ID ----->	F19GP01001	F19GP01101	F19GP01201			
	LAB SAMPLE ID --->	38464.02	38464.03	38464.04			
	ID FROM REPORT -->	F19GP01001	F19GP01101	F19GP01201			
	SAMPLE DATE ----->	05/10/99	05/10/99	05/10/99			
	DATE EXTRACTED -->	05/12/99	05/12/99	05/12/99			
	DATE ANALYZED --->	05/18/99	05/18/99	05/18/99			
	MATRIX ---------->	Water	Water	Water			
	UNITS ---------->	UG/L	UG/L	UG/L			
CAS #	Parameter	38464	38464	38464			
99-09-2	3-Nitroaniline	NR	NR	NR			
83-32-9	Acenaphthene	NR	NR	NR			
51-28-5	2,4-Dinitrophenol	NR	NR	NR			
100-02-7	4-Nitrophenol	NR	NR	NR			
132-64-9	Dibenzofuran	NR	NR	NR			
121-14-2	2,4-Dinitrotoluene	NR	NR	NR			
606-20-2	2,6-Dinitrotoluene	NR	NR	NR			
84-66-2	Diethylphthalate	NR	NR	NR			
7005-72-3	4-Chlorophenylphenylether	NR	NR	NR			
86-73-7	Fluorene	NR	NR	NR			
100-01-6	4-Nitroaniline	NR	NR	NR			
534-52-1	2-Methyl-4,6-Dinitrophenol	NR	NR	NR			
86-30-6	N-Nitrosodiphenylamine	NR	NR	NR			
101-55-3	4-Bromophenyl-phenylether	NR	NR	NR			
118-74-1	Hexachlorobenzene	NR	NR	NR			
87-86-5	Pentachlorophenol	NR	NR	NR			
85-01-8	Phenanthrene	NR	NR	NR			
120-12-7	Anthracene	NR	NR	NR			
84-74-2	Di-n-butylphthalate	NR	NR	NR			
206-44-0	Fluoranthene	NR	NR	NR			
129-00-0	Pyrene	NR	NR	NR			
85-68-7	Butylbenzylphthalate	NR	NR	NR			
91-94-1	3,3'-Dichlorobenzidine	NR	NR	NR			
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)	NR	NR	NR			
117-84-0	Di-n-octyl phthalate	NR	NR	NR			
50-32-8	Benzo(a)pyrene	NR	NR	NR			
193-39-5	Indeno(1,2,3-cd)pyrene	NR	NR	NR			
53-70-3	Dibenz(a,h)anthracene	NR	NR	NR			
191-24-2	Benzo(g,h,i)perylene	NR	NR	NR			

FDS CAR ADDENDUM
AREA 19
DPT GROUNDWATER RESULTS

SW-SVOA													
	SAMPLE ID ------->	F19-G-P013-01		F19-G-P014-01		F19-G-P015-01		F19-G-P016-01		F19-G-P017-01		F19-G-P018-01	
	ORIGINAL ID ----->	F19GP01301		F19GP01401		F19GP01501		F19GP01601		F19GP01701		F19GP01801	
	LAB SAMPLE ID --->	39154.05		39154.06		39194.07		39194.06		39194.05		39194.04	
	ID FROM REPORT -->	F19GP01301		F19GP01401		F19GP01501		F19GP01601		F19GP01701		F19GP01801	
	SAMPLE DATE ----->	06/24/99		06/24/99		06/28/99		06/28/99		06/28/99		06/28/99	
	DATE EXTRACTED -->	06/26/99		06/26/99		06/30/99		06/30/99		06/30/99		06/30/99	
	DATE ANALYZED --->	06/30/99		07/02/99		07/02/99		07/02/99		07/02/99		07/02/99	
	MATRIX ---------->	Water		Water		Water		Water		Water		Water	
	UNITS ---------->	UG/L		UG/L		UG/L		UG/L		UG/L		UG/L	
CAS #	Parameter	39154		39154		39194		39194		39194		39194	
132-64-9	Dibenzofuran	22.		8.	J	42.	J	10.	U	12.	U	17.	
121-14-2	2,4-Dinitrotoluene	10.	U	10.	U	50.	U	10.	U	12.	U	10.	U
606-20-2	2,6-Dinitrotoluene	10.	U	10.	U	50.	U	10.	U	12.	U	10.	U
84-66-2	Diethylphthalate	10.	U	10.	U	50.	U	10.	U	12.	U	10.	U
7005-72-3	4-Chlorophenylphenylether	10.	U	10.	U	50.	U	10.	U	12.	U	10.	U
86-73-7	Fluorene	40.		16.		130.		20.		2.	J	24.	
100-01-6	4-Nitroaniline	25.	U	25.	U	120.	U	25.	U	31.	U	25.	U
534-52-1	2-Methyl-4,6-Dinitrophenol	25.	U	25.	U	120.	U	25.	U	31.	U	25.	U
86-30-6	N-Nitrosodiphenylamine	10.	U	10.	U	50.	U	10.	U	12.	U	10.	U
101-55-3	4-Bromophenyl-phenylether	10.	U	10.	U	50.	U	10.	U	12.	U	10.	U
118-74-1	Hexachlorobenzene	10.	U	10.	U	50.	U	10.	U	12.	U	10.	U
87-86-5	Pentachlorophenol	25.	U	25.	U	120.	U	25.	U	31.	U	25.	U
85-01-8	Phenanthrene	73.		28.		240.		26.		2.	J	48.	
120-12-7	Anthracene	10.	U	10.	U	50.	U	10.	U	12.	U	10.	
84-74-2	Di-n-butylphthalate	10.	U	10.	U	50.	U	10.	U	12.	U	10.	U
206-44-0	Fluoranthene	5.	J	2.	J	50.	U	10.	U	12.	U	22.	
129-00-0	Pyrene	9.	J	3.	J	50.	U	3.	J	12.	U	17.	
85-68-7	Butylbenzylphthalate	10.	U	10.	U	50.	U	10.	U	12.	U	10.	U
91-94-1	3,3'-Dichlorobenzidine	10.	U	10.	U	50.	U	10.	U	12.	U	10.	U
56-55-3	Benzo(a)anthracene	5.	J	1.	J	50.	U	0.8	J	12.	U	5.	J
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)	3.	JB	5.	JB	50.	U	1.	JB	2.	JB	0.7	JB
218-01-9	Chrysene	8.	J	2.	J	11.	J	1.	J	12.	U	7.	J
117-84-0	Di-n-octyl phthalate	10.	U	10.	U	50.	U	10.	U	12.	U	10.	U
205-99-2	Benzo(b)fluoranthene	2.	J	10.	U	50.	U	0.7	J	12.	U	2.	J
207-08-9	Benzo(k)fluoranthene	10.	U	10.	U	50.	U	10.	U	12.	U	3.	J
50-32-8	Benzo(a)pyrene	2.	J	0.6	J	50.	U	10.	U	12.	U	3.	J
193-39-5	Indeno(1,2,3-cd)pyrene	10.	U	10.	U	50.	U	10.	U	12.	U	10.	U
53-70-3	Dibenz(a,h)anthracene	10.	U	10.	U	50.	U	10.	U	12.	U	10.	U
191-24-2	Benzo(g,h,i)perylene	0.8	J	10.	U	50.	U	10.	U	12.	U	10.	U

FDS CAR ADDENDUM
AREA 19
DPT GROUNDWATER RESULTS

SW-SVOA													
	SAMPLE ID ------->	F19-G-P013-01		F19-G-P014-01		F19-G-P015-01		F19-G-P016-01		F19-G-P017-01		F19-G-P018-01	
	ORIGINAL ID ----->	F19GP01301		F19GP01401		F19GP01501		F19GP01601		F19GP01701		F19GP01801	
	LAB SAMPLE ID --->	39154.05		39154.06		39194.07		39194.06		39194.05		39194.04	
	ID FROM REPORT -->	F19GP01301		F19GP01401		F19GP01501		F19GP01601		F19GP01701		F19GP01801	
	SAMPLE DATE ----->	06/24/99		06/24/99		06/28/99		06/28/99		06/28/99		06/28/99	
	DATE EXTRACTED -->	06/26/99		06/26/99		06/30/99		06/30/99		06/30/99		06/30/99	
	DATE ANALYZED --->	06/30/99		07/02/99		07/02/99		07/02/99		07/02/99		07/02/99	
	MATRIX ---------->	Water		Water		Water		Water		Water		Water	
	UNITS ---------->	UG/L		UG/L		UG/L		UG/L		UG/L		UG/L	
CAS #	Parameter	39154		39154		39194		39194		39194		39194	
108-95-2	Phenol	1.	JB	10.	U	50.	U	10.	U	12.	U	10.	U
111-44-4	bis(2-Chloroethyl)ether	10.	U	10.	U	50.	U	10.	U	12.	U	10.	U
95-57-8	2-Chlorophenol	10.	U	10.	U	50.	U	10.	U	12.	U	10.	U
541-73-1	1,3-Dichlorobenzene	10.	U	10.	U	50.	U	10.	U	12.	U	10.	U
106-46-7	1,4-Dichlorobenzene	10.	U	10.	U	50.	U	10.	U	12.	U	10.	U
100-51-6	Benzyl alcohol	10.	U	10.	U	50.	U	10.	U	12.	U	10.	U
95-50-1	1,2-Dichlorobenzene	10.	U	10.	U	50.	U	10.	U	12.	U	10.	U
95-48-7	2-Methylphenol (o-Cresol)	10.	U	10.	U	50.	U	10.	U	12.	U	10.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10.	U	10.	U	50.	U	10.	U	12.	U	10.	U
106-44-5	4-Methylphenol (p-Cresol)	10.	U	10.	U	50.	U	10.	U	12.	U	10.	U
621-64-7	N-Nitroso-di-n-propylamine	10.	U	10.	U	50.	U	10.	U	12.	U	10.	U
67-72-1	Hexachloroethane	10.	U	10.	U	50.	U	10.	U	12.	U	10.	U
98-95-3	Nitrobenzene	10.	U	10.	U	50.	U	10.	U	12.	U	10.	U
78-59-1	Isophorone	10.	U	10.	U	50.	U	10.	U	12.	U	10.	U
88-75-5	2-Nitrophenol	10.	U	10.	U	50.	U	10.	U	12.	U	10.	U
105-67-9	2,4-Dimethylphenol	10.	U	10.	U	50.	U	10.	U	12.	U	10.	U
65-85-0	Benzoic acid	25.	U	25.	U	120.	U	25.	U	31.	U	25.	U
111-91-1	bis(2-Chloroethoxy)methane	10.	U	10.	U	50.	U	10.	U	12.	U	10.	U
120-83-2	2,4-Dichlorophenol	10.	U	10.	U	50.	U	10.	U	12.	U	10.	U
120-82-1	1,2,4-Trichlorobenzene	10.	U	10.	U	50.	U	10.	U	12.	U	10.	U
91-20-3	Naphthalene	100.	E	10.	U	240.		18.		12.	U	16.	
106-47-8	4-Chloroaniline	10.	U	10.	U	50.	U	10.	U	12.	U	10.	U
87-68-3	Hexachlorobutadiene	10.	U	10.	U	50.	U	10.	U	12.	U	10.	U
59-50-7	4-Chloro-3-methylphenol	10.	U	10.	U	50.	U	10.	U	12.	U	10.	U
91-57-6	2-Methylnaphthalene	190.	E	130.	E	1300.	E	140.	E	7.	J	5.	J
77-47-4	Hexachlorocyclopentadiene	10.	U	10.	U	50.	U	10.	U	12.	U	10.	U
88-06-2	2,4,6-Trichlorophenol	10.	U	10.	U	50.	U	10.	U	12.	U	10.	U
95-95-4	2,4,5-Trichlorophenol	25.	U	25.	U	120.	U	25.	U	31.	U	25.	U
91-58-7	2-Chloronaphthalene	10.	U	10.	U	50.	U	10.	U	12.	U	10.	U
88-74-4	2-Nitroaniline	25.	U	25.	U	120.	U	25.	U	31.	U	25.	U
131-11-3	Dimethyl phthalate	10.	U	10.	U	50.	U	10.	U	12.	U	10.	U
208-96-8	Acenaphthylene	10.	U	10.	U	50.	U	10.	U	12.	U	10.	U
99-09-2	3-Nitroaniline	25.	U	25.	U	120.	U	25.	U	31.	U	25.	U
83-32-9	Acenaphthene	24.		8.	J	50.	U	10.	U	12.	U	42.	
51-28-5	2,4-Dinitrophenol	25.	U	25.	U	120.	U	25.	U	31.	U	25.	U
100-02-7	4-Nitrophenol	25.	U	25.	U	120.	U	25.	U	31.	U	25.	U

FDS CAR ADDENDUM
AREA 19
DPT GROUNDWATER RESULTS

SW-SVOA											
		SAMPLE ID ------->	F19-G-P019-01		F19-G-P020-01						
		ORIGINAL ID ----->	F19GP01901		F19GP02001						
		LAB SAMPLE ID --->	39194.03		39194.02						
		ID FROM REPORT -->	F19GP01901		F19GP02001						
		SAMPLE DATE ----->	06/28/99		06/28/99						
		DATE EXTRACTED -->	06/30/99		06/30/99						
		DATE ANALYZED --->	07/02/99		07/02/99						
		MATRIX ---------->	Water		Water						
		UNITS ---------->	UG/L		UG/L						
CAS #	Parameter		39194		39194						
108-95-2	Phenol		15.	U	13.	U					
111-44-4	bis(2-Chloroethyl)ether		15.	U	13.	U					
95-57-8	2-Chlorophenol		15.	U	13.	U					
541-73-1	1,3-Dichlorobenzene		15.	U	13.	U					
106-46-7	1,4-Dichlorobenzene		15.	U	13.	U					
100-51-6	Benzyl alcohol		15.	U	13.	U					
95-50-1	1,2-Dichlorobenzene		15.	U	13.	U					
95-48-7	2-Methylphenol (o-Cresol)		15.	U	13.	U					
108-60-1	2,2'-oxybis(1-Chloropropane)		15.	U	13.	U					
106-44-5	4-Methylphenol (p-Cresol)		15.	U	13.	U					
621-64-7	N-Nitroso-di-n-propylamine		15.	U	13.	U					
67-72-1	Hexachloroethane		15.	U	13.	U					
98-95-3	Nitrobenzene		15.	U	13.	U					
78-59-1	Isophorone		15.	U	13.	U					
88-75-5	2-Nitrophenol		15.	U	13.	U					
105-67-9	2,4-Dimethylphenol		15.	U	12.	J					
65-85-0	Benzoic acid		38.	U	33.	U					
111-91-1	bis(2-Chloroethoxy)methane		15.	U	13.	U					
120-83-2	2,4-Dichlorophenol		15.	U	13.	U					
120-82-1	1,2,4-Trichlorobenzene		15.	U	13.	U					
91-20-3	Naphthalene		12.	J	440.	E					
106-47-8	4-Chloroaniline		15.	U	13.	U					
87-68-3	Hexachlorobutadiene		15.	U	13.	U					
59-50-7	4-Chloro-3-methylphenol		15.	U	13.	U					
91-57-6	2-Methylnaphthalene		10.	J	15.						
77-47-4	Hexachlorocyclopentadiene		15.	U	13.	U					
88-06-2	2,4,6-Trichlorophenol		15.	U	13.	U					
95-95-4	2,4,5-Trichlorophenol		38.	U	33.	U					
91-58-7	2-Chloronaphthalene		15.	U	13.	U					
88-74-4	2-Nitroaniline		38.	U	33.	U					
131-11-3	Dimethyl phthalate		15.	U	13.	U					
208-96-8	Acenaphthylene		15.	U	13.	U					
99-09-2	3-Nitroaniline		38.	U	33.	U					
83-32-9	Acenaphthene		15.	J	32.						
51-28-5	2,4-Dinitrophenol		38.	U	33.	U					
100-02-7	4-Nitrophenol		38.	U	33.	U					

FDS CAR ADDENDUM
AREA 19
DPT GROUNDWATER RESULTS

SW-SVOA											
	SAMPLE ID ------->	F19-G-P019-01		F19-G-P020-01							
	ORIGINAL ID ----->	F19GP01901		F19GP02001							
	LAB SAMPLE ID --->	39194.03		39194.02							
	ID FROM REPORT -->	F19GP01901		F19GP02001							
	SAMPLE DATE ----->	06/28/99		06/28/99							
	DATE EXTRACTED -->	06/30/99		06/30/99							
	DATE ANALYZED --->	07/02/99		07/02/99							
	MATRIX ---------->	Water		Water							
	UNITS ---------->	UG/L		UG/L							
CAS #	Parameter	39194		39194							
132-64-9	Dibenzofuran	5.	J	11.	J						
121-14-2	2,4-Dinitrotoluene	15.	U	13.	U						
606-20-2	2,6-Dinitrotoluene	15.	U	13.	U						
84-66-2	Diethylphthalate	15.	U	13.	U						
7005-72-3	4-Chlorophenylphenylether	15.	U	13.	U						
86-73-7	Fluorene	7.	J	14.							
100-01-6	4-Nitroaniline	38.	U	33.	U						
534-52-1	2-Methyl-4,6-Dinitrophenol	38.	U	33.	U						
86-30-6	N-Nitrosodiphenylamine	15.	U	13.	U						
101-55-3	4-Bromophenyl-phenylether	15.	U	13.	U						
118-74-1	Hexachlorobenzene	15.	U	13.	U						
87-86-5	Pentachlorophenol	38.	U	33.	U						
85-01-8	Phenanthrene	6.	J	20.							
120-12-7	Anthracene	1.	J	3.	J						
84-74-2	Di-n-butylphthalate	15.	U	13.	U						
206-44-0	Fluoranthene	1.	J	6.	J						
129-00-0	Pyrene	15.	U	6.	J						
85-68-7	Butylbenzylphthalate	15.	U	13.	U						
91-94-1	3,3'-Dichlorobenzidine	15.	U	13.	U						
56-55-3	Benzo(a)anthracene	15.	U	2.	J						
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)	1.	JB	2.	JB						
218-01-9	Chrysene	15.	U	3.	J						
117-84-0	Di-n-octyl phthalate	15.	U	13.	U						
205-99-2	Benzo(b)fluoranthene	15.	U	2.	J						
207-08-9	Benzo(k)fluoranthene	15.	U	2.	J						
50-32-8	Benzo(a)pyrene	15.	U	13.	U						
193-39-5	Indeno(1,2,3-cd)pyrene	15.	U	13.	U						
53-70-3	Dibenz(a,h)anthracene	15.	U	13.	U						
191-24-2	Benzo(g,h,i)perylene	15.	U	13.	U						

FDS CAR ADDENDUM
AREA 19
MONITORING WELL RESULTS

SW846VOA													
	SAMPLE ID ------->	FDS-G-W19A-01		FDS-H-W19A-01		FDS-G-W19B-01		FDS-G-W19C-01		FDS-G-W19D-01		FDS-G-W19E-01	
	ORIGINAL ID ----->	FDSGW19A01		FDSHW19A01		FDSGW19B01		FDSGW19C01		FDSGW19D01		FDSGW19E01	
	LAB SAMPLE ID --->	41237.01		41237.02		41253.05		41253.04		41253.03		41253.01	
	ID FROM REPORT -->	FDSGW19A01		FDSHW19A01		FDSGW19B01		FDSGW19C01		FDSGW19D01		FDSGW19E01	
	SAMPLE DATE ----->	11/29/99		11/29/99		11/30/99		11/30/99		11/30/99		11/30/99	
	DATE ANALYZED --->	12/08/99		12/08/99		12/08/99		12/08/99		12/08/99		12/08/99	
	MATRIX ---------->	Water		Water		Water		Water		Water		Water	
	UNITS ---------->	UG/L		UG/L		UG/L		UG/L		UG/L		UG/L	
CAS #	Parameter	41237	VAL	41237	VAL	41253	VAL	41253	VAL	41253	VAL	41253	VAL
71-43-2	Benzene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
106-93-4	1, 2-Dibromoethane	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
100-41-4	Ethylbenzene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
108-88-3	Toluene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
1634-04-4	Methyl tert-butyl ether	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
1330-20-7	Xylene (Total)	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U

*** Validation Complete ***

FDS CAR ADDENDUM
AREA 19
MONITORING WELL RESULTS

SW846VOA									
	SAMPLE ID ------->	FDS-G-W19F-01		FDS-G-W19G-01					
	ORIGINAL ID ----->	FDSGW19F01		FDSGW19G01					
	LAB SAMPLE ID --->	41237.04		41237.05					
	ID FROM REPORT -->	FDSGW19F01		FDSGW19G01					
	SAMPLE DATE ----->	11/29/99		11/29/99					
	DATE ANALYZED --->	12/08/99		12/08/99					
	MATRIX ---------->	Water		Water					
	UNITS ---------->	UG/L		UG/L					
CAS #	Parameter	41237	VAL	41237	VAL				
71-43-2	Benzene	5.	U	5.	U				
106-93-4	1, 2-Dibromoethane	5.	U	5.	U				
100-41-4	Ethylbenzene	5.	U	5.	U				
108-88-3	Toluene	5.	U	5.	U				
1634-04-4	Methyl tert-butyl ether	5.	U	5.	U				
1330-20-7	Xylene (Total)	5.	U	5.	U				

*** Validation Complete ***

FDS CAR ADDENDUM
AREA 19
MONITORING WELL RESULTS

SW-SVOA															
	SAMPLE ID ------->	FDS-G-W19A-01		FDS-H-W19A-01 RE		FDS-G-W19B-01		FDS-G-W19C-01		FDS-G-W19D-01		FDS-G-W19E-01	
	ORIGINAL ID ----->	FDSGW19A01		FDSHW19A01		FDSGW19B01		FDSGW19C01		FDSGW19D01		FDSGW19E01	
	LAB SAMPLE ID --->	41237.01		41237.02		41253.05		41253.04		41253.03		41253.01	
	ID FROM REPORT -->	FDSGW19A01		FDSHW19A01		FDSGW19B01		FDSGW19C01		FDSGW19D01		FDSGW19E01	
	SAMPLE DATE ----->	11/29/99		11/29/99		11/30/99		11/30/99		11/30/99		11/30/99	
	DATE EXTRACTED -->	11/30/99		12/06/99		12/01/99		12/01/99		12/01/99		12/01/99	
	DATE ANALYZED --->	12/03/99		12/07/99		12/07/99		12/07/99		12/07/99		12/07/99	
	MATRIX ---------->	Water		Water		Water		Water		Water		Water	
	UNITS ---------->	UG/L		UG/L		UG/L		UG/L		UG/L		UG/L	
CAS #	Parameter	41237	VAL	41237	VAL	41253	VAL	41253	VAL	41253	VAL	41253	VAL
108-95-2	Phenol	10.	U	18.	U	10.	U	10.	U	10.	U	10.	U
111-44-4	bis(2-Chloroethyl)ether	10.	U	18.	U	10.	U	10.	U	10.	U	10.	U
95-57-8	2-Chlorophenol	10.	U	18.	U	10.	U	10.	U	10.	U	10.	U
541-73-1	1,3-Dichlorobenzene	10.	U	18.	U	10.	U	10.	U	10.	U	10.	U
106-46-7	1,4-Dichlorobenzene	10.	U	18.	U	10.	U	10.	U	10.	U	10.	U
100-51-6	Benzyl alcohol	10.	U	18.	U	10.	U	10.	U	10.	U	10.	U
95-50-1	1,2-Dichlorobenzene	10.	U	18.	U	10.	U	10.	U	10.	U	10.	U
95-48-7	2-Methylphenol (o-Cresol)	10.	U	18.	U	10.	U	10.	U	10.	U	10.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10.	U	18.	U	10.	U	10.	U	10.	U	10.	U
106-44-5	4-Methylphenol (p-Cresol)	10.	U	18.	U	10.	U	10.	U	10.	U	10.	U
621-64-7	N-Nitroso-di-n-propylamine	10.	U	18.	U	10.	U	10.	U	10.	U	10.	U
67-72-1	Hexachloroethane	10.	U	18.	U	10.	U	10.	U	10.	U	10.	U
98-95-3	Nitrobenzene	10.	U	18.	U	10.	U	10.	U	10.	U	10.	U
78-59-1	Isophorone	10.	U	18.	U	10.	U	10.	U	10.	U	10.	U
88-75-5	2-Nitrophenol	10.	U	18.	U	10.	U	10.	U	10.	U	10.	U
105-67-9	2,4-Dimethylphenol	10.	U	18.	U	10.	U	10.	U	10.	U	10.	U
65-85-0	Benzoic acid	6.	J	12.	J	19.	J	6.	J	6.	J	6.	J
111-91-1	bis(2-Chloroethoxy)methane	10.	U	18.	U	10.	U	10.	U	10.	U	10.	U
120-83-2	2,4-Dichlorophenol	10.	U	18.	U	10.	U	10.	U	10.	U	10.	U
120-82-1	1,2,4-Trichlorobenzene	10.	U	18.	U	10.	U	10.	U	10.	U	10.	U
91-20-3	Naphthalene	10.	U	18.	U	10.	U	10.	U	10.	U	10.	U
106-47-8	4-Chloroaniline	10.	U	18.	U	10.	U	10.	U	10.	U	10.	U
87-68-3	Hexachlorobutadiene	10.	U	18.	U	10.	U	10.	U	10.	U	10.	U
59-50-7	4-Chloro-3-methylphenol	10.	U	18.	U	10.	U	10.	U	10.	U	10.	U
91-57-6	2-Methylnaphthalene	10.	U	18.	U	10.	U	10.	U	10.	U	10.	U
77-47-4	Hexachlorocyclopentadiene	10.	U	18.	U	10.	U	10.	U	10.	U	10.	U
88-06-2	2,4,6-Trichlorophenol	10.	U	18.	U	10.	U	10.	U	10.	U	10.	U
95-95-4	2,4,5-Trichlorophenol	25.	U	46.	U	25.	U	25.	U	25.	U	25.	U
91-58-7	2-Chloronaphthalene	10.	U	18.	U	10.	U	10.	U	10.	U	10.	U
88-74-4	2-Nitroaniline	25.	U	46.	U	25.	U	25.	U	25.	U	25.	U
131-11-3	Dimethyl phthalate	10.	U	18.	U	10.	U	10.	U	10.	U	10.	U
208-96-8	Acenaphthylene	10.	U	18.	U	10.	U	10.	U	10.	U	10.	U
99-09-2	3-Nitroaniline	25.	U	46.	U	25.	U	25.	U	25.	U	25.	U
83-32-9	Acenaphthene	10.	U	18.	U	10.	U	10.	U	10.	U	10.	U
51-28-5	2,4-Dinitrophenol	25.	U	46.	UJ	25.	UJ	25.	UJ	25.	UJ	25.	UJ
100-02-7	4-Nitrophenol	25.	U	46.	U	25.	U	25.	U	25.	U	25.	U

*** Validation Complete ***

FDS CAR ADDENDUM
AREA 19
MONITORING WELL RESULTS

SW-SVOA															
	SAMPLE ID ------->	FDS-G-W19A-01		FDS-H-W19A-01 RE		FDS-G-W19B-01		FDS-G-W19C-01		FDS-G-W19D-01		FDS-G-W19E-01	
	ORIGINAL ID ----->	FDSGW19A01		FDSHW19A01		FDSGW19B01		FDSGW19C01		FDSGW19D01		FDSGW19E01	
	LAB SAMPLE ID --->	41237.01		41237.02		41253.05		41253.04		41253.03		41253.01	
	ID FROM REPORT -->	FDSGW19A01		FDSHW19A01		FDSGW19B01		FDSGW19C01		FDSGW19D01		FDSGW19E01	
	SAMPLE DATE ----->	11/29/99		11/29/99		11/30/99		11/30/99		11/30/99		11/30/99	
	DATE EXTRACTED -->	11/30/99		12/06/99		12/01/99		12/01/99		12/01/99		12/01/99	
	DATE ANALYZED --->	12/03/99		12/07/99		12/07/99		12/07/99		12/07/99		12/07/99	
	MATRIX ---------->	Water		Water		Water		Water		Water		Water	
	UNITS ---------->	UG/L		UG/L		UG/L		UG/L		UG/L		UG/L	
CAS #	Parameter	41237	VAL	41237	VAL	41253	VAL	41253	VAL	41253	VAL	41253	VAL
132-64-9	Dibenzofuran	10.	U	18.	U	10.	U	10.	U	10.	U	10.	U
121-14-2	2,4-Dinitrotoluene	10.	U	18.	U	10.	U	10.	U	10.	U	10.	U
606-20-2	2,6-Dinitrotoluene	10.	U	18.	U	10.	U	10.	U	10.	U	10.	U
84-66-2	Diethylphthalate	10.	U	18.	U	10.	U	10.	U	10.	U	10.	U
7005-72-3	4-Chlorophenylphenylether	10.	U	18.	U	10.	U	10.	U	10.	U	10.	U
86-73-7	Fluorene	10.	U	18.	U	10.	U	10.	U	10.	U	10.	U
100-01-6	4-Nitroaniline	25.	U	46.	U	25.	U	25.	U	25.	U	25.	U
534-52-1	2-Methyl-4,6-Dinitrophenol	25.	U	46.	U	25.	U	25.	U	25.	U	25.	U
86-30-6	N-Nitrosodiphenylamine	10.	U	18.	U	10.	U	10.	U	10.	U	10.	U
101-55-3	4-Bromophenyl-phenylether	10.	U	18.	U	10.	U	10.	U	10.	U	10.	U
118-74-1	Hexachlorobenzene	10.	U	18.	U	10.	U	10.	U	10.	U	10.	U
87-86-5	Pentachlorophenol	25.	U	46.	U	25.	U	25.	U	25.	U	25.	U
85-01-8	Phenanthrene	10.	U	18.	U	10.	U	10.	U	10.	U	10.	U
120-12-7	Anthracene	10.	U	18.	U	10.	U	10.	U	10.	U	10.	U
84-74-2	Di-n-butylphthalate	1.	J	18.	U	1.	J	1.	J	10.	U	1.	J
206-44-0	Fluoranthene	10.	U	18.	U	10.	U	10.	U	10.	U	10.	U
129-00-0	Pyrene	10.	U	18.	U	10.	U	10.	U	10.	U	10.	U
85-68-7	Butylbenzylphthalate	10.	U	18.	U	1.	J	10.	U	10.	U	10.	U
91-94-1	3,3'-Dichlorobenzidine	10.	U	18.	U	10.	U	10.	U	10.	U	10.	U
56-55-3	Benzo(a)anthracene	10.	U	18.	U	10.	U	10.	U	10.	U	10.	U
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)	10.	U	18.	U	41.		10.	U	10.	U	10.	U
218-01-9	Chrysene	10.	U	18.	U	10.	U	10.	U	10.	U	10.	U
117-84-0	Di-n-octyl phthalate	10.	U	18.	U	10.	U	10.	U	10.	U	10.	U
205-99-2	Benzo(b)fluoranthene	10.	U	18.	U	10.	U	10.	U	10.	U	10.	U
207-08-9	Benzo(k)fluoranthene	10.	U	18.	U	10.	U	10.	U	10.	U	10.	U
50-32-8	Benzo(a)pyrene	10.	U	18.	U	10.	U	10.	U	10.	U	10.	U
193-39-5	Indeno(1,2,3-cd)pyrene	10.	U	18.	U	10.	U	10.	U	10.	U	10.	U
53-70-3	Dibenz(a,h)anthracene	10.	U	18.	U	10.	U	10.	U	10.	U	10.	U
191-24-2	Benzo(g,h,i)perylene	10.	U	18.	U	10.	U	10.	U	10.	U	10.	U

*** Validation Complete ***

FDS CAR ADDENDUM
AREA 19
MONITORING WELL RESULTS

SW-SVOA									
	SAMPLE ID ------->	FDS-G-W19F-01		FDS-G-W19G-01 RE					
	ORIGINAL ID ----->	FDSGW19F01		FDSGW19G01					
	LAB SAMPLE ID --->	41237.04		41237.05					
	ID FROM REPORT -->	FDSGW19F01		FDSGW19G01					
	SAMPLE DATE ----->	11/29/99		11/29/99					
	DATE EXTRACTED -->	11/30/99		12/06/99					
	DATE ANALYZED --->	12/03/99		12/08/99					
	MATRIX ---------->	Water		Water					
	UNITS ---------->	UG/L		UG/L					
CAS #	Parameter	41237	VAL	41237	VAL				
108-95-2	Phenol	10.	U	13.	U				
111-44-4	bis(2-Chloroethyl)ether	10.	U	13.	U				
95-57-8	2-Chlorophenol	10.	U	13.	U				
541-73-1	1,3-Dichlorobenzene	10.	U	13.	U				
106-46-7	1,4-Dichlorobenzene	10.	U	13.	U				
100-51-6	Benzyl alcohol	10.	U	13.	U				
95-50-1	1,2-Dichlorobenzene	10.	U	13.	U				
95-48-7	2-Methylphenol (o-Cresol)	10.	U	13.	U				
108-60-1	2,2'-oxybis(1-Chloropropane)	10.	U	13.	U				
106-44-5	4-Methylphenol (p-Cresol)	10.	U	13.	U				
621-64-7	N-Nitroso-di-n-propylamine	10.	U	13.	U				
67-72-1	Hexachloroethane	10.	U	13.	U				
98-95-3	Nitrobenzene	10.	U	13.	U				
78-59-1	Isophorone	10.	U	13.	U				
88-75-5	2-Nitrophenol	10.	U	13.	U				
105-67-9	2,4-Dimethylphenol	10.	U	13.	U				
65-85-0	Benzoic acid	10.	U	8.	J				
111-91-1	bis(2-Chloroethoxy)methane	10.	U	13.	U				
120-83-2	2,4-Dichlorophenol	10.	U	13.	U				
120-82-1	1,2,4-Trichlorobenzene	10.	U	13.	U				
91-20-3	Naphthalene	10.	U	13.	U				
106-47-8	4-Chloroaniline	10.	U	13.	U				
87-68-3	Hexachlorobutadiene	10.	U	13.	U				
59-50-7	4-Chloro-3-methylphenol	10.	U	13.	U				
91-57-6	2-Methylnaphthalene	10.	U	13.	U				
77-47-4	Hexachlorocyclopentadiene	10.	U	13.	U				
88-06-2	2,4,6-Trichlorophenol	10.	U	13.	U				
95-95-4	2,4,5-Trichlorophenol	25.	U	32.	U				
91-58-7	2-Chloronaphthalene	10.	U	13.	U				
88-74-4	2-Nitroaniline	25.	U	32.	U				
131-11-3	Dimethyl phthalate	10.	U	13.	U				
208-96-8	Acenaphthylene	10.	U	13.	U				
99-09-2	3-Nitroaniline	25.	U	32.	U				
83-32-9	Acenaphthene	10.	U	13.	U				
51-28-5	2,4-Dinitrophenol	25.	U	32.	UJ				
100-02-7	4-Nitrophenol	25.	U	32.	U				

*** Validation Complete ***

FDS CAR ADDENDUM
AREA 19
MONITORING WELL RESULTS

SW-SVOA									
	SAMPLE ID ------->	FDS-G-W19F-01		FDS-G-W19G-01 RE					
	ORIGINAL ID ----->	FDSGW19F01		FDSGW19G01					
	LAB SAMPLE ID --->	41237.04		41237.05					
	ID FROM REPORT -->	FDSGW19F01		FDSGW19G01					
	SAMPLE DATE ----->	11/29/99		11/29/99					
	DATE EXTRACTED -->	11/30/99		12/06/99					
	DATE ANALYZED --->	12/03/99		12/08/99					
	MATRIX ---------->	Water		Water					
	UNITS ---------->	UG/L		UG/L					
CAS #	Parameter	41237	VAL	41237	VAL				
132-64-9	Dibenzofuran	10.	U	13.	U				
121-14-2	2,4-Dinitrotoluene	10.	U	13.	U				
606-20-2	2,6-Dinitrotoluene	10.	U	13.	U				
84-66-2	Diethylphthalate	10.	U	13.	U				
7005-72-3	4-Chlorophenylphenylether	10.	U	13.	U				
86-73-7	Fluorene	10.	U	13.	U				
100-01-6	4-Nitroaniline	25.	U	32.	U				
534-52-1	2-Methyl-4,6-Dinitrophenol	25.	U	32.	U				
86-30-6	N-Nitrosodiphenylamine	10.	U	13.	U				
101-55-3	4-Bromophenyl-phenylether	10.	U	13.	U				
118-74-1	Hexachlorobenzene	10.	U	13.	U				
87-86-5	Pentachlorophenol	25.	U	32.	U				
85-01-8	Phenanthrene	10.	U	13.	U				
120-12-7	Anthracene	10.	U	13.	U				
84-74-2	Di-n-butylphthalate	1.	J	13.	U				
206-44-0	Fluoranthene	10.	U	13.	U				
129-00-0	Pyrene	10.	U	13.	U				
85-68-7	Butylbenzylphthalate	10.	U	13.	U				
91-94-1	3,3'-Dichlorobenzidine	10.	U	13.	U				
56-55-3	Benzo(a)anthracene	10.	U	13.	U				
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)	10.	U	13.	U				
218-01-9	Chrysene	10.	U	13.	U				
117-84-0	Di-n-octyl phthalate	10.	U	13.	U				
205-99-2	Benzo(b)fluoranthene	10.	U	13.	U				
207-08-9	Benzo(k)fluoranthene	10.	U	13.	U				
50-32-8	Benzo(a)pyrene	10.	U	13.	U				
193-39-5	Indeno(1,2,3-cd)pyrene	10.	U	13.	U				
53-70-3	Dibenz(a,h)anthracene	10.	U	13.	U				
191-24-2	Benzo(g,h,i)perylene	10.	U	13.	U				

*** Validation Complete ***

FDS CAR ADDENDUM
AREA 19
MONITORING WELL RESULTS

SW846META													
	SAMPLE ID ------->	FDS-G-W19A-01		FDS-H-W19A-01		FDS-G-W19B-01		FDS-G-W19C-01		FDS-G-W19D-01		FDS-G-W19E-01	
	ORIGINAL ID ----->	FDSGW19A01		FDSHW19A01		FDSGW19B01		FDSGW19C01		FDSGW19D01		FDSGW19E01	
	LAB SAMPLE ID --->	41237.01		41237.02		41253.05		41253.04		41253.03		41253.01	
	ID FROM REPORT -->	FDSGW19A01		FDSHW19A01		FDSGW19B01		FDSGW19C01		FDSGW19D01		FDSGW19E01	
	SAMPLE DATE ----->	11/29/99		11/29/99		11/30/99		11/30/99		11/30/99		11/30/99	
	DATE EXTRACTED -->	12/02/99		12/02/99		12/02/99		12/02/99		12/02/99		12/02/99	
	DATE ANALYZED --->	12/02/99		12/02/99		12/02/99		12/02/99		12/02/99		12/02/99	
	MATRIX ---------->	Water		Water		Water		Water		Water		Water	
	UNITS ---------->	UG/L		UG/L		UG/L		UG/L		UG/L		UG/L	
CAS #	Parameter	41237	VAL	41237	VAL	41253	VAL	41253	VAL	41253	VAL	41253	VAL
7439-97-6	Mercury (Hg)	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
7440-38-2	Arsenic (As)	14.	J	12.4	J	8.2	J	4.1	J	17.	J	3.3	J
7440-39-3	Barium (Ba)	292.		294.		217.		46.7		42.7		46.2	
7440-43-9	Cadmium (Cd)	0.34	U	0.3	U	0.3	U	0.43	U	0.3	U	0.3	U
7440-47-3	Chromium (Cr)	0.81	J	0.64	J	1.9	J	2.7	J	1.	J	1.5	J
7439-92-1	Lead (Pb)	2.1	U	2.1	U	2.1	U	4.9		2.1	U	2.1	U
7782-49-2	Selenium (Se)	2.9	U	2.9	U	2.9	U	2.9	U	2.9	U	2.9	U
7440-22-4	Silver (Ag)	2.	U	2.	U	2.	U	2.	U	2.	U	2.	U

*** Validation Complete ***

FDS CAR ADDENDUM
AREA 19
MONITORING WELL RESULTS

SW846META								
	SAMPLE ID ------->	FDS-G-W19F-01		FDS-G-W19G-01				
	ORIGINAL ID ----->	FDSGW19F01		FDSGW19G01				
	LAB SAMPLE ID --->	41237.04		41237.05				
	ID FROM REPORT -->	FDSGW19F01		FDSGW19G01				
	SAMPLE DATE ----->	11/29/99		11/29/99				
	DATE EXTRACTED -->	12/02/99		12/02/99				
	DATE ANALYZED --->	12/02/99		12/02/99				
	MATRIX ---------->	Water		Water				
	UNITS ---------->	UG/L		UG/L				
CAS #	Parameter	41237	VAL	41237	VAL			
7439-97-6	Mercury (Hg)	0.1	U	0.1	U			
7440-38-2	Arsenic (As)	20.6	J	5.2	J			
7440-39-3	Barium (Ba)	81.8		32.6	J			
7440-43-9	Cadmium (Cd)	0.32	U	0.43	U			
7440-47-3	Chromium (Cr)	3.1	J	6.7	J			
7439-92-1	Lead (Pb)	3.2		2.1	U			
7782-49-2	Selenium (Se)	2.9	U	2.9	U			
7440-22-4	Silver (Ag)	2.	U	2.	U			

*** Validation Complete ***

FDS CAR ADDENDUM
AREA 20
DPT SOIL RESULTS

SW846-VOA													
	SAMPLE ID ------->	F20-S-P001-11		F20-S-P002-06		F20-S-P003-08		F20-S-P004-03		F20-S-P005-11		F20-S-P006-06	
	ORIGINAL ID ----->	F20SP00111		F20SP00206		F20SP00308		F20SP00403		F20SP00511		F20SP00606	
	LAB SAMPLE ID --->	37202.02		37202.03		37202.04		37297.01		37248.01		37261.01	
	ID FROM REPORT -->	F20SP00111		F20SP00206		F20SP00308		F20SP00403		F20SP00511		F20SP00606	
	SAMPLE DATE ----->	01/22/99		01/22/99		01/22/99		01/29/99		01/26/99		01/27/99	
	DATE ANALYZED --->	01/27/99		01/27/99		01/27/99		02/02/99		01/29/99		02/02/99	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	37202		37202		37202		37297		37248		37261	
71-43-2	Benzene	6.	U	5.	U	6.	U	5.	U	6.	U	5.	U
100-41-4	Ethylbenzene	6.	U	5.	U	6.	U	5.	U	6.	U	5.	U
108-88-3	Toluene	6.	U	5.	U	6.	U	5.	U	6.	U	5.	U
1330-20-7	Xylene (Total)	1.	J	5.	U	6.	U	5.	U	6.	U	5.	U
74-87-3	Chloromethane	NR		NR		NR		NR		NR		NR	
74-83-9	Bromomethane	NR		NR		NR		NR		NR		NR	
75-01-4	Vinyl chloride	NR		NR		NR		NR		NR		NR	
75-00-3	Chloroethane	NR		NR		NR		NR		NR		NR	
75-09-2	Methylene chloride	NR		NR		NR		NR		NR		NR	
67-64-1	Acetone	NR		NR		NR		NR		NR		NR	
75-15-0	Carbon disulfide	NR		NR		NR		NR		NR		NR	
75-35-4	1,1-Dichloroethene	NR		NR		NR		NR		NR		NR	
75-34-3	1,1-Dichloroethane	NR		NR		NR		NR		NR		NR	
540-59-0	1,2-Dichloroethene (total)	NR		NR		NR		NR		NR		NR	
67-66-3	Chloroform	NR		NR		NR		NR		NR		NR	
107-06-2	1,2-Dichloroethane	NR		NR		NR		NR		NR		NR	
78-93-3	2-Butanone (MEK)	NR		NR		NR		NR		NR		NR	
71-55-6	1,1,1-Trichloroethane	NR		NR		NR		NR		NR		NR	
56-23-5	Carbon tetrachloride	NR		NR		NR		NR		NR		NR	
108-05-4	Vinyl acetate	NR		NR		NR		NR		NR		NR	
75-27-4	Bromodichloromethane	NR		NR		NR		NR		NR		NR	
78-87-5	1,2-Dichloropropane	NR		NR		NR		NR		NR		NR	
10061-01-5	cis-1,3-Dichloropropene	NR		NR		NR		NR		NR		NR	
79-01-6	Trichloroethene	NR		NR		NR		NR		NR		NR	
124-48-1	Dibromochloromethane	NR		NR		NR		NR		NR		NR	
79-00-5	1,1,2-Trichloroethane	NR		NR		NR		NR		NR		NR	
10061-02-6	trans-1,3-Dichloropropene	NR		NR		NR		NR		NR		NR	
75-25-2	Bromoform	NR		NR		NR		NR		NR		NR	
108-10-1	4-Methyl-2-Pentanone (MIBK)	NR		NR		NR		NR		NR		NR	
591-78-6	2-Hexanone	NR		NR		NR		NR		NR		NR	
127-18-4	Tetrachloroethene	NR		NR		NR		NR		NR		NR	
79-34-5	1,1,2,2-Tetrachloroethane	NR		NR		NR		NR		NR		NR	
108-90-7	Chlorobenzene	NR		NR		NR		NR		NR		NR	
100-42-5	Styrene	NR		NR		NR		NR		NR		NR	
110-75-8	2-Chloroethyl vinyl ether	NR		NR		NR		NR		NR		NR	

FDS CAR ADDENDUM
AREA 20
DPT SOIL RESULTS

SW846-VOA							
	SAMPLE ID ------->	F20-S-P007-19	F20-S-P009-21	F20-S-P010-02	F20-S-P012-10	F20-S-P013-09	F20-S-P014-04
	ORIGINAL ID ----->	F20SP00719	F20SP00921	F20SP01002	F20SP01210	F20SP01309	F20SP01404
	LAB SAMPLE ID --->	37248.02	37261.04	37261.02	37261.05	37261.06	37281.01
	ID FROM REPORT -->	F20SP00719	F20SP00921	F20SP01002	F20SP01210	F20SP01309	F20SP01404
	SAMPLE DATE ----->	01/26/99	01/27/99	01/27/99	01/27/99	01/27/99	01/28/99
	DATE ANALYZED --->	01/29/99	02/02/99	02/03/99	02/02/99	02/03/99	02/02/99
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
	UNITS ----------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
CAS #	Parameter	37248	37261	37261	37261	37261	37281
71-43-2	Benzene	7. U	6. U	5. U	5. U	6. U	38.
100-41-4	Ethylbenzene	7. U	6. U	5. U	5. U	6. U	11.
108-88-3	Toluene	7. U	6. U	5. U	5. U	6. U	1. J
1330-20-7	Xylene (Total)	7. U	6. U	5. U	5. U	6. U	13.
74-87-3	Chloromethane	NR	NR	NR	NR	NR	NR
74-83-9	Bromomethane	NR	NR	NR	NR	NR	NR
75-01-4	Vinyl chloride	NR	NR	NR	NR	NR	NR
75-00-3	Chloroethane	NR	NR	NR	NR	NR	NR
75-09-2	Methylene chloride	NR	NR	NR	NR	NR	NR
67-64-1	Acetone	NR	NR	NR	NR	NR	NR
75-15-0	Carbon disulfide	NR	NR	NR	NR	NR	NR
75-35-4	1,1-Dichloroethene	NR	NR	NR	NR	NR	NR
75-34-3	1,1-Dichloroethane	NR	NR	NR	NR	NR	NR
540-59-0	1,2-Dichloroethene (total)	NR	NR	NR	NR	NR	NR
67-66-3	Chloroform	NR	NR	NR	NR	NR	NR
107-06-2	1,2-Dichloroethane	NR	NR	NR	NR	NR	NR
78-93-3	2-Butanone (MEK)	NR	NR	NR	NR	NR	NR
71-55-6	1,1,1-Trichloroethane	NR	NR	NR	NR	NR	NR
56-23-5	Carbon tetrachloride	NR	NR	NR	NR	NR	NR
108-05-4	Vinyl acetate	NR	NR	NR	NR	NR	NR
75-27-4	Bromodichloromethane	NR	NR	NR	NR	NR	NR
78-87-5	1,2-Dichloropropane	NR	NR	NR	NR	NR	NR
10061-01-5	cis-1,3-Dichloropropene	NR	NR	NR	NR	NR	NR
79-01-6	Trichloroethene	NR	NR	NR	NR	NR	NR
124-48-1	Dibromochloromethane	NR	NR	NR	NR	NR	NR
79-00-5	1,1,2-Trichloroethane	NR	NR	NR	NR	NR	NR
10061-02-6	trans-1,3-Dichloropropene	NR	NR	NR	NR	NR	NR
75-25-2	Bromoform	NR	NR	NR	NR	NR	NR
108-10-1	4-Methyl-2-Pentanone (MIBK)	NR	NR	NR	NR	NR	NR
591-78-6	2-Hexanone	NR	NR	NR	NR	NR	NR
127-18-4	Tetrachloroethene	NR	NR	NR	NR	NR	NR
79-34-5	1,1,2,2-Tetrachloroethane	NR	NR	NR	NR	NR	NR
108-90-7	Chlorobenzene	NR	NR	NR	NR	NR	NR
100-42-5	Styrene	NR	NR	NR	NR	NR	NR
110-75-8	2-Chloroethyl vinyl ether	NR	NR	NR	NR	NR	NR

FDS CAR ADDENDUM
AREA 20
DPT SOIL RESULTS

SW846-VOA													
	SAMPLE ID ------->	F20-S-P015-09		F20-S-P016-09		F20-S-P017-09		F20-S-P019-06		F20-S-P020-06		F20-S-P021-06	
	ORIGINAL ID ----->	F20SP01509		F20SP01609		F20SP01709		F20SP01906		F20SP02006		F20SP02106	
	LAB SAMPLE ID --->	37281.02		37281.03		37261.03		38434.14		38434.13		38434.12	
	ID FROM REPORT -->	F20SP01509		F20SP01609		F20SP01709		F20SP01906		F20SP02006		F20SP02106	
	SAMPLE DATE ----->	01/28/99		01/28/99		01/27/99		05/07/99		05/07/99		05/07/99	
	DATE ANALYZED --->	02/02/99		02/03/99		02/02/99		05/11/99		05/10/99		05/11/99	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	37281		37281		37261		38434		38434		38434	
71-43-2	Benzene	11.	U	10.	U	6.	U	6.	U	5.	U	6.	U
100-41-4	Ethylbenzene	11.	U	10.	U	6.	U	6.	U	5.	U	6.	U
108-88-3	Toluene	11.	U	10.	U	6.	U	6.	U	5.	U	2.	J
1330-20-7	Xylene (Total)	11.	U	10.	U	6.	U	6.	U	5.	U	6.	U
74-87-3	Chloromethane	NR		NR		NR		NR		NR		NR	
74-83-9	Bromomethane	NR		NR		NR		NR		NR		NR	
75-01-4	Vinyl chloride	NR		NR		NR		NR		NR		NR	
75-00-3	Chloroethane	NR		NR		NR		NR		NR		NR	
75-09-2	Methylene chloride	NR		NR		NR		NR		NR		NR	
67-64-1	Acetone	NR		NR		NR		NR		NR		NR	
75-15-0	Carbon disulfide	NR		NR		NR		NR		NR		NR	
75-35-4	1,1-Dichloroethene	NR		NR		NR		NR		NR		NR	
75-34-3	1,1-Dichloroethane	NR		NR		NR		NR		NR		NR	
540-59-0	1,2-Dichloroethene (total)	NR		NR		NR		NR		NR		NR	
67-66-3	Chloroform	NR		NR		NR		NR		NR		NR	
107-06-2	1,2-Dichloroethane	NR		NR		NR		NR		NR		NR	
78-93-3	2-Butanone (MEK)	NR		NR		NR		NR		NR		NR	
71-55-6	1,1,1-Trichloroethane	NR		NR		NR		NR		NR		NR	
56-23-5	Carbon tetrachloride	NR		NR		NR		NR		NR		NR	
108-05-4	Vinyl acetate	NR		NR		NR		NR		NR		NR	
75-27-4	Bromodichloromethane	NR		NR		NR		NR		NR		NR	
78-87-5	1,2-Dichloropropane	NR		NR		NR		NR		NR		NR	
10061-01-5	cis-1,3-Dichloropropene	NR		NR		NR		NR		NR		NR	
79-01-6	Trichloroethene	NR		NR		NR		NR		NR		NR	
124-48-1	Dibromochloromethane	NR		NR		NR		NR		NR		NR	
79-00-5	1,1,2-Trichloroethane	NR		NR		NR		NR		NR		NR	
10061-02-6	trans-1,3-Dichloropropene	NR		NR		NR		NR		NR		NR	
75-25-2	Bromoform	NR		NR		NR		NR		NR		NR	
108-10-1	4-Methyl-2-Pentanone (MIBK)	NR		NR		NR		NR		NR		NR	
591-78-6	2-Hexanone	NR		NR		NR		NR		NR		NR	
127-18-4	Tetrachloroethene	NR		NR		NR		NR		NR		NR	
79-34-5	1,1,2,2-Tetrachloroethane	NR		NR		NR		NR		NR		NR	
108-90-7	Chlorobenzene	NR		NR		NR		NR		NR		NR	
100-42-5	Styrene	NR		NR		NR		NR		NR		NR	
110-75-8	2-Chloroethyl vinyl ether	NR		NR		NR		NR		NR		NR	

FDS CAR ADDENDUM
AREA 20
DPT SOIL RESULTS

SW846-VOA													
	SAMPLE ID ------->	F20-S-P022-04		F20-S-P023-07		F20-S-P024-07		F20-S-P025-05		F20-S-P026-08		F20-S-P027-08	
	ORIGINAL ID ----->	F20SP02204		F20SP02307		F20SP02407		F20SP02505		F20SP02608		F20SP02708	
	LAB SAMPLE ID --->	38434.15		38434.19		38434.18		38434.16		38434.17		38434.11	
	ID FROM REPORT -->	F20SP02204		F20SP02307		F20SP02407		F20SP02505		F20SP02608		F20SP02708	
	SAMPLE DATE ----->	05/07/99		05/07/99		05/07/99		05/07/99		05/07/99		05/07/99	
	DATE ANALYZED --->	05/10/99		05/11/99		05/10/99		05/10/99		05/10/99		05/10/99	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	38434		38434		38434		38434		38434		38434	
71-43-2	Benzene	5.	U	3.	J	5.	U	6.	U	6.	U	6.	U
100-41-4	Ethylbenzene	5.	U	6.	U	1.	J	6.	U	6.	U	6.	U
108-88-3	Toluene	5.	U	6.	U	5.	U	6.	U	6.	U	6.	U
1330-20-7	Xylene (Total)	5.	U	5.	J	5.	U	6.	U	6.	U	6.	U
74-87-3	Chloromethane	NR		NR		NR		NR		NR		NR	
74-83-9	Bromomethane	NR		NR		NR		NR		NR		NR	
75-01-4	Vinyl chloride	NR		NR		NR		NR		NR		NR	
75-00-3	Chloroethane	NR		NR		NR		NR		NR		NR	
75-09-2	Methylene chloride	NR		NR		NR		NR		NR		NR	
67-64-1	Acetone	NR		NR		NR		NR		NR		NR	
75-15-0	Carbon disulfide	NR		NR		NR		NR		NR		NR	
75-35-4	1,1-Dichloroethene	NR		NR		NR		NR		NR		NR	
75-34-3	1,1-Dichloroethane	NR		NR		NR		NR		NR		NR	
540-59-0	1,2-Dichloroethene (total)	NR		NR		NR		NR		NR		NR	
67-66-3	Chloroform	NR		NR		NR		NR		NR		NR	
107-06-2	1,2-Dichloroethane	NR		NR		NR		NR		NR		NR	
78-93-3	2-Butanone (MEK)	NR		NR		NR		NR		NR		NR	
71-55-6	1,1,1-Trichloroethane	NR		NR		NR		NR		NR		NR	
56-23-5	Carbon tetrachloride	NR		NR		NR		NR		NR		NR	
108-05-4	Vinyl acetate	NR		NR		NR		NR		NR		NR	
75-27-4	Bromodichloromethane	NR		NR		NR		NR		NR		NR	
78-87-5	1,2-Dichloropropane	NR		NR		NR		NR		NR		NR	
10061-01-5	cis-1,3-Dichloropropene	NR		NR		NR		NR		NR		NR	
79-01-6	Trichloroethene	NR		NR		NR		NR		NR		NR	
124-48-1	Dibromochloromethane	NR		NR		NR		NR		NR		NR	
79-00-5	1,1,2-Trichloroethane	NR		NR		NR		NR		NR		NR	
10061-02-6	trans-1,3-Dichloropropene	NR		NR		NR		NR		NR		NR	
75-25-2	Bromoform	NR		NR		NR		NR		NR		NR	
108-10-1	4-Methyl-2-Pentanone (MIBK)	NR		NR		NR		NR		NR		NR	
591-78-6	2-Hexanone	NR		NR		NR		NR		NR		NR	
127-18-4	Tetrachloroethene	NR		NR		NR		NR		NR		NR	
79-34-5	1,1,2,2-Tetrachloroethane	NR		NR		NR		NR		NR		NR	
108-90-7	Chlorobenzene	NR		NR		NR		NR		NR		NR	
100-42-5	Styrene	NR		NR		NR		NR		NR		NR	
110-75-8	2-Chloroethyl vinyl ether	NR		NR		NR		NR		NR		NR	

FDS CAR ADDENDUM
AREA 20
DPT SOIL RESULTS

SW846-VOA							
	SAMPLE ID ------->	F20-S-P029-07		F20-S-P030-05			
	ORIGINAL ID ----->	F20SP02907		F20SP03005			
	LAB SAMPLE ID --->	38434.09		38434.10			
	ID FROM REPORT -->	F20SP02907		F20SP03005			
	SAMPLE DATE ----->	05/07/99		05/07/99			
	DATE ANALYZED --->	05/10/99		05/10/99			
	MATRIX ---------->	Soil		Soil			
	UNITS ---------->	UG/KG		UG/KG			
CAS #	Parameter	38434		38434			
71-43-2	Benzene	6.	U	6.	U		
100-41-4	Ethylbenzene	6.	U	6.	U		
108-88-3	Toluene	6.	U	2.	J		
1330-20-7	Xylene (Total)	6.	U	6.	U		
74-87-3	Chloromethane	NR		NR			
74-83-9	Bromomethane	NR		NR			
75-01-4	Vinyl chloride	NR		NR			
75-00-3	Chloroethane	NR		NR			
75-09-2	Methylene chloride	NR		NR			
67-64-1	Acetone	NR		NR			
75-15-0	Carbon disulfide	NR		NR			
75-35-4	1,1-Dichloroethene	NR		NR			
75-34-3	1,1-Dichloroethane	NR		NR			
540-59-0	1,2-Dichloroethene (total)	NR		NR			
67-66-3	Chloroform	NR		NR			
107-06-2	1,2-Dichloroethane	NR		NR			
78-93-3	2-Butanone (MEK)	NR		NR			
71-55-6	1,1,1-Trichloroethane	NR		NR			
56-23-5	Carbon tetrachloride	NR		NR			
108-05-4	Vinyl acetate	NR		NR			
75-27-4	Bromodichloromethane	NR		NR			
78-87-5	1,2-Dichloropropane	NR		NR			
10061-01-5	cis-1,3-Dichloropropene	NR		NR			
79-01-6	Trichloroethene	NR		NR			
124-48-1	Dibromochloromethane	NR		NR			
79-00-5	1,1,2-Trichloroethane	NR		NR			
10061-02-6	trans-1,3-Dichloropropene	NR		NR			
75-25-2	Bromoform	NR		NR			
108-10-1	4-Methyl-2-Pentanone (MIBK)	NR		NR			
591-78-6	2-Hexanone	NR		NR			
127-18-4	Tetrachloroethene	NR		NR			
79-34-5	1,1,2,2-Tetrachloroethane	NR		NR			
108-90-7	Chlorobenzene	NR		NR			
100-42-5	Styrene	NR		NR			
110-75-8	2-Chloroethyl vinyl ether	NR		NR			

FDS CAR ADDENDUM
AREA 20
DPT SOIL RESULTS

SW846-SVOA													
	SAMPLE ID ------->	F20-S-P001-11		F20-S-P002-06		F20-S-P003-08		F20-S-P004-03		F20-S-P005-11		F20-S-P006-06	
	ORIGINAL ID ----->	F20SP00111		F20SP00206		F20SP00308		F20SP00403		F20SP00511		F20SP00606	
	LAB SAMPLE ID --->	37202.02		37202.03		37202.04		37297.01		37248.01		37261.01	
	ID FROM REPORT -->	F20SP00111		F20SP00206		F20SP00308		F20SP00403		F20SP00511		F20SP00606	
	SAMPLE DATE ----->	01/22/99		01/22/99		01/22/99		01/29/99		01/26/99		01/27/99	
	DATE EXTRACTED -->	01/25/99		01/25/99		01/25/99		02/02/99		01/28/99		01/29/99	
	DATE ANALYZED --->	02/04/99		02/04/99		02/04/99		02/16/99		02/11/99		02/12/99	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	37202		37202		37202		37297		37248		37261	
91-20-3	Naphthalene	390.	J	360.	U	76.	J	370.	U	440.	U	350.	U
56-55-3	Benzo(a)anthracene	1900.		360.	U	580.		60.	J	120.	J	100.	J
218-01-9	Chrysene	3200.		360.	U	1000.		64.	J	220.	J	180.	J
205-99-2	Benzo(b)fluoranthene	730.		360.	U	710.		60.	J	95.	J	95.	J
207-08-9	Benzo(k)fluoranthene	590.		360.	U	560.		43.	J	73.	J	81.	J
108-95-2	Phenol	NR		NR		NR		NR		NR		NR	
111-44-4	bis(2-Chloroethyl)ether	NR		NR		NR		NR		NR		NR	
95-57-8	2-Chlorophenol	NR		NR		NR		NR		NR		NR	
541-73-1	1,3-Dichlorobenzene	NR		NR		NR		NR		NR		NR	
106-46-7	1,4-Dichlorobenzene	NR		NR		NR		NR		NR		NR	
100-51-6	Benzyl alcohol	NR		NR		NR		NR		NR		NR	
95-50-1	1,2-Dichlorobenzene	NR		NR		NR		NR		NR		NR	
95-48-7	2-Methylphenol (o-Cresol)	NR		NR		NR		NR		NR		NR	
108-60-1	2,2'-oxybis(1-Chloropropane)	NR		NR		NR		NR		NR		NR	
106-44-5	4-Methylphenol (p-Cresol)	NR		NR		NR		NR		NR		NR	
621-64-7	N-Nitroso-di-n-propylamine	NR		NR		NR		NR		NR		NR	
67-72-1	Hexachloroethane	NR		NR		NR		NR		NR		NR	
98-95-3	Nitrobenzene	NR		NR		NR		NR		NR		NR	
78-59-1	Isophorone	NR		NR		NR		NR		NR		NR	
88-75-5	2-Nitrophenol	NR		NR		NR		NR		NR		NR	
105-67-9	2,4-Dimethylphenol	NR		NR		NR		NR		NR		NR	
65-85-0	Benzoic acid	NR		NR		NR		NR		NR		NR	
111-91-1	bis(2-Chloroethoxy)methane	NR		NR		NR		NR		NR		NR	
120-83-2	2,4-Dichlorophenol	NR		NR		NR		NR		NR		NR	
120-82-1	1,2,4-Trichlorobenzene	NR		NR		NR		NR		NR		NR	
106-47-8	4-Chloroaniline	NR		NR		NR		NR		NR		NR	
87-68-3	Hexachlorobutadiene	NR		NR		NR		NR		NR		NR	
59-50-7	4-Chloro-3-methylphenol	NR		NR		NR		NR		NR		NR	
91-57-6	2-Methylnaphthalene	NR		NR		NR		NR		NR		NR	
77-47-4	Hexachlorocyclopentadiene	NR		NR		NR		NR		NR		NR	
88-06-2	2,4,6-Trichlorophenol	NR		NR		NR		NR		NR		NR	
95-95-4	2,4,5-Trichlorophenol	NR		NR		NR		NR		NR		NR	
91-58-7	2-Chloronaphthalene	NR		NR		NR		NR		NR		NR	
88-74-4	2-Nitroaniline	NR		NR		NR		NR		NR		NR	
131-11-3	Dimethyl phthalate	NR		NR		NR		NR		NR		NR	
208-96-8	Acenaphthylene	NR		NR		NR		NR		NR		NR	

FDS CAR ADDENDUM
AREA 20
DPT SOIL RESULTS

SW846-SVOA							
	SAMPLE ID ------->	F20-S-P001-11	F20-S-P002-06	F20-S-P003-08	F20-S-P004-03	F20-S-P005-11	F20-S-P006-06
	ORIGINAL ID ----->	F20SP00111	F20SP00206	F20SP00308	F20SP00403	F20SP00511	F20SP00606
	LAB SAMPLE ID --->	37202.02	37202.03	37202.04	37297.01	37248.01	37261.01
	ID FROM REPORT -->	F20SP00111	F20SP00206	F20SP00308	F20SP00403	F20SP00511	F20SP00606
	SAMPLE DATE ----->	01/22/99	01/22/99	01/22/99	01/29/99	01/26/99	01/27/99
	DATE EXTRACTED -->	01/25/99	01/25/99	01/25/99	02/02/99	01/28/99	01/29/99
	DATE ANALYZED --->	02/04/99	02/04/99	02/04/99	02/16/99	02/11/99	02/12/99
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
	UNITS ---------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
CAS #	Parameter	37202	37202	37202	37297	37248	37261
99-09-2	3-Nitroaniline	NR	NR	NR	NR	NR	NR
83-32-9	Acenaphthene	NR	NR	NR	NR	NR	NR
51-28-5	2,4-Dinitrophenol	NR	NR	NR	NR	NR	NR
100-02-7	4-Nitrophenol	NR	NR	NR	NR	NR	NR
132-64-9	Dibenzofuran	NR	NR	NR	NR	NR	NR
121-14-2	2,4-Dinitrotoluene	NR	NR	NR	NR	NR	NR
606-20-2	2,6-Dinitrotoluene	NR	NR	NR	NR	NR	NR
84-66-2	Diethylphthalate	NR	NR	NR	NR	NR	NR
7005-72-3	4-Chlorophenylphenylether	NR	NR	NR	NR	NR	NR
86-73-7	Fluorene	NR	NR	NR	NR	NR	NR
100-01-6	4-Nitroaniline	NR	NR	NR	NR	NR	NR
534-52-1	2-Methyl-4,6-Dinitrophenol	NR	NR	NR	NR	NR	NR
86-30-6	N-Nitrosodiphenylamine	NR	NR	NR	NR	NR	NR
101-55-3	4-Bromophenyl-phenylether	NR	NR	NR	NR	NR	NR
118-74-1	Hexachlorobenzene	NR	NR	NR	NR	NR	NR
87-86-5	Pentachlorophenol	NR	NR	NR	NR	NR	NR
85-01-8	Phenanthrene	NR	NR	NR	NR	NR	NR
120-12-7	Anthracene	NR	NR	NR	NR	NR	NR
84-74-2	Di-n-butylphthalate	NR	NR	NR	NR	NR	NR
206-44-0	Fluoranthene	NR	NR	NR	NR	NR	NR
129-00-0	Pyrene	NR	NR	NR	NR	NR	NR
85-68-7	Butylbenzylphthalate	NR	NR	NR	NR	NR	NR
91-94-1	3,3'-Dichlorobenzidine	NR	NR	NR	NR	NR	NR
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)	NR	NR	NR	NR	NR	NR
117-84-0	Di-n-octyl phthalate	NR	NR	NR	NR	NR	NR
50-32-8	Benzo(a)pyrene	NR	NR	NR	NR	NR	NR
193-39-5	Indeno(1,2,3-cd)pyrene	NR	NR	NR	NR	NR	NR
53-70-3	Dibenz(a,h)anthracene	NR	NR	NR	NR	NR	NR
191-24-2	Benzo(g,h,i)perylene	NR	NR	NR	NR	NR	NR

FDS CAR ADDENDUM
AREA 20
DPT SOIL RESULTS

SW846-SVOA													
	SAMPLE ID ------>	F20-S-P007-19		F20-S-P009-21		F20-S-P010-02		F20-S-P012-10		F20-S-P013-09		F20-S-P014-04	
	ORIGINAL ID ----->	F20SP00719		F20SP00921		F20SP01002		F20SP01210		F20SP01309		F20SP01404	
	LAB SAMPLE ID --->	37248.02		37261.04		37261.02		37261.05		37261.06		37281.01	
	ID FROM REPORT -->	F20SP00719		F20SP00921		F20SP01002		F20SP01210		F20SP01309		F20SP01404	
	SAMPLE DATE ----->	01/26/99		01/27/99		01/27/99		01/27/99		01/27/99		01/28/99	
	DATE EXTRACTED -->	01/28/99		01/29/99		01/29/99		01/29/99		01/29/99		02/02/99	
	DATE ANALYZED --->	02/11/99		02/13/99		02/12/99		02/13/99		02/13/99		02/16/99	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	37248		37261		37261		37261		37261		37281	
91-20-3	Naphthalene	450.	U	380.	U	350.	U	380.	U	400.	U	4000.	E
56-55-3	Benzo(a)anthracene	450.	U	380.	U	350.	U	190.	J	400.	U	220.	J
218-01-9	Chrysene	450.	U	380.	U	350.	U	250.	J	52.	J	410.	
205-99-2	Benzo(b)fluoranthene	450.	U	380.	U	350.	U	48.	J	400.	U	220.	J
207-08-9	Benzo(k)fluoranthene	450.	U	380.	U	350.	U	57.	J	400.	U	140.	J
108-95-2	Phenol	NR		NR		NR		NR		NR		NR	
111-44-4	bis(2-Chloroethyl)ether	NR		NR		NR		NR		NR		NR	
95-57-8	2-Chlorophenol	NR		NR		NR		NR		NR		NR	
541-73-1	1,3-Dichlorobenzene	NR		NR		NR		NR		NR		NR	
106-46-7	1,4-Dichlorobenzene	NR		NR		NR		NR		NR		NR	
100-51-6	Benzyl alcohol	NR		NR		NR		NR		NR		NR	
95-50-1	1,2-Dichlorobenzene	NR		NR		NR		NR		NR		NR	
95-48-7	2-Methylphenol (o-Cresol)	NR		NR		NR		NR		NR		NR	
108-60-1	2,2'-oxybis(1-Chloropropane)	NR		NR		NR		NR		NR		NR	
106-44-5	4-Methylphenol (p-Cresol)	NR		NR		NR		NR		NR		NR	
621-64-7	N-Nitroso-di-n-propylamine	NR		NR		NR		NR		NR		NR	
67-72-1	Hexachloroethane	NR		NR		NR		NR		NR		NR	
98-95-3	Nitrobenzene	NR		NR		NR		NR		NR		NR	
78-59-1	Isophorone	NR		NR		NR		NR		NR		NR	
88-75-5	2-Nitrophenol	NR		NR		NR		NR		NR		NR	
105-67-9	2,4-Dimethylphenol	NR		NR		NR		NR		NR		NR	
65-85-0	Benzoic acid	NR		NR		NR		NR		NR		NR	
111-91-1	bis(2-Chloroethoxy)methane	NR		NR		NR		NR		NR		NR	
120-83-2	2,4-Dichlorophenol	NR		NR		NR		NR		NR		NR	
120-82-1	1,2,4-Trichlorobenzene	NR		NR		NR		NR		NR		NR	
106-47-8	4-Chloroaniline	NR		NR		NR		NR		NR		NR	
87-68-3	Hexachlorobutadiene	NR		NR		NR		NR		NR		NR	
59-50-7	4-Chloro-3-methylphenol	NR		NR		NR		NR		NR		NR	
91-57-6	2-Methylnaphthalene	NR		NR		NR		NR		NR		NR	
77-47-4	Hexachlorocyclopentadiene	NR		NR		NR		NR		NR		NR	
88-06-2	2,4,6-Trichlorophenol	NR		NR		NR		NR		NR		NR	
95-95-4	2,4,5-Trichlorophenol	NR		NR		NR		NR		NR		NR	
91-58-7	2-Chloronaphthalene	NR		NR		NR		NR		NR		NR	
88-74-4	2-Nitroaniline	NR		NR		NR		NR		NR		NR	
131-11-3	Dimethyl phthalate	NR		NR		NR		NR		NR		NR	
208-96-8	Acenaphthylene	NR		NR		NR		NR		NR		NR	

FDS CAR ADDENDUM
AREA 20
DPT SOIL RESULTS

SW846-SVOA							
	SAMPLE ID ------->	F20-S-P007-19	F20-S-P009-21	F20-S-P010-02	F20-S-P012-10	F20-S-P013-09	F20-S-P014-04
	ORIGINAL ID ----->	F20SP00719	F20SP00921	F20SP01002	F20SP01210	F20SP01309	F20SP01404
	LAB SAMPLE ID --->	37248.02	37261.04	37261.02	37261.05	37261.06	37281.01
	ID FROM REPORT -->	F20SP00719	F20SP00921	F20SP01002	F20SP01210	F20SP01309	F20SP01404
	SAMPLE DATE ----->	01/26/99	01/27/99	01/27/99	01/27/99	01/27/99	01/28/99
	DATE EXTRACTED -->	01/28/99	01/29/99	01/29/99	01/29/99	01/29/99	02/02/99
	DATE ANALYZED --->	02/11/99	02/13/99	02/12/99	02/13/99	02/13/99	02/16/99
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
	UNITS ---------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
CAS #	Parameter	37248	37261	37261	37261	37261	37281
99-09-2	3-Nitroaniline	NR	NR	NR	NR	NR	NR
83-32-9	Acenaphthene	NR	NR	NR	NR	NR	NR
51-28-5	2,4-Dinitrophenol	NR	NR	NR	NR	NR	NR
100-02-7	4-Nitrophenol	NR	NR	NR	NR	NR	NR
132-64-9	Dibenzofuran	NR	NR	NR	NR	NR	NR
121-14-2	2,4-Dinitrotoluene	NR	NR	NR	NR	NR	NR
606-20-2	2,6-Dinitrotoluene	NR	NR	NR	NR	NR	NR
84-66-2	Diethylphthalate	NR	NR	NR	NR	NR	NR
7005-72-3	4-Chlorophenylphenylether	NR	NR	NR	NR	NR	NR
86-73-7	Fluorene	NR	NR	NR	NR	NR	NR
100-01-6	4-Nitroaniline	NR	NR	NR	NR	NR	NR
534-52-1	2-Methyl-4,6-Dinitrophenol	NR	NR	NR	NR	NR	NR
86-30-6	N-Nitrosodiphenylamine	NR	NR	NR	NR	NR	NR
101-55-3	4-Bromophenyl-phenylether	NR	NR	NR	NR	NR	NR
118-74-1	Hexachlorobenzene	NR	NR	NR	NR	NR	NR
87-86-5	Pentachlorophenol	NR	NR	NR	NR	NR	NR
85-01-8	Phenanthrene	NR	NR	NR	NR	NR	NR
120-12-7	Anthracene	NR	NR	NR	NR	NR	NR
84-74-2	Di-n-butylphthalate	NR	NR	NR	NR	NR	NR
206-44-0	Fluoranthene	NR	NR	NR	NR	NR	NR
129-00-0	Pyrene	NR	NR	NR	NR	NR	NR
85-68-7	Butylbenzylphthalate	NR	NR	NR	NR	NR	NR
91-94-1	3,3'-Dichlorobenzidine	NR	NR	NR	NR	NR	NR
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)	NR	NR	NR	NR	NR	NR
117-84-0	Di-n-octyl phthalate	NR	NR	NR	NR	NR	NR
50-32-8	Benzo(a)pyrene	NR	NR	NR	NR	NR	NR
193-39-5	Indeno(1,2,3-cd)pyrene	NR	NR	NR	NR	NR	NR
53-70-3	Dibenz(a,h)anthracene	NR	NR	NR	NR	NR	NR
191-24-2	Benzo(g,h,i)perylene	NR	NR	NR	NR	NR	NR

FDS CAR ADDENDUM
AREA 20
DPT SOIL RESULTS

SW846-SVOA							
	SAMPLE ID ------->	F20-S-P015-09	F20-S-P016-09	F20-S-P017-09	F20-S-P019-06	F20-S-P020-06	F20-S-P021-06
	ORIGINAL ID ----->	F20SP01509	F20SP01609	F20SP01709	F20SP01906	F20SP02006	F20SP02106
	LAB SAMPLE ID --->	37281.02	37281.03	37261.03	38434.14	38434.13	38434.12
	ID FROM REPORT -->	F20SP01509	F20SP01609	F20SP01709	F20SP01906	F20SP02006	F20SP02106
	SAMPLE DATE ----->	01/28/99	01/28/99	01/27/99	05/07/99	05/07/99	05/07/99
	DATE EXTRACTED -->	02/02/99	02/02/99	01/29/99	05/09/99	05/09/99	05/09/99
	DATE ANALYZED --->	02/12/99	02/16/99	02/13/99	05/20/99	05/20/99	05/19/99
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
	UNITS ---------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
CAS #	Parameter	37281	37281	37261	38434	38434	38434
91-20-3	Naphthalene	79. J	520. U	260. J	1900. U	30. J	390. U
56-55-3	Benzo(a)anthracene	660.	1200.	3900.	220. J	210. J	200. J
218-01-9	Chrysene	740.	1200.	3700.	440. J	220. J	260. J
205-99-2	Benzo(b)fluoranthene	790.	1200.	3000.	1900. U	100. J	100. J
207-08-9	Benzo(k)fluoranthene	720.	920.	2800.	1900. U	110. J	110. J
108-95-2	Phenol	NR	NR	NR	NR	NR	NR
111-44-4	bis(2-Chloroethyl)ether	NR	NR	NR	NR	NR	NR
95-57-8	2-Chlorophenol	NR	NR	NR	NR	NR	NR
541-73-1	1,3-Dichlorobenzene	NR	NR	NR	NR	NR	NR
106-46-7	1,4-Dichlorobenzene	NR	NR	NR	NR	NR	NR
100-51-6	Benzyl alcohol	NR	NR	NR	NR	NR	NR
95-50-1	1,2-Dichlorobenzene	NR	NR	NR	NR	NR	NR
95-48-7	2-Methylphenol (o-Cresol)	NR	NR	NR	NR	NR	NR
108-60-1	2,2'-oxybis(1-Chloropropane)	NR	NR	NR	NR	NR	NR
106-44-5	4-Methylphenol (p-Cresol)	NR	NR	NR	NR	NR	NR
621-64-7	N-Nitroso-di-n-propylamine	NR	NR	NR	NR	NR	NR
67-72-1	Hexachloroethane	NR	NR	NR	NR	NR	NR
98-95-3	Nitrobenzene	NR	NR	NR	NR	NR	NR
78-59-1	Isophorone	NR	NR	NR	NR	NR	NR
88-75-5	2-Nitrophenol	NR	NR	NR	NR	NR	NR
105-67-9	2,4-Dimethylphenol	NR	NR	NR	NR	NR	NR
65-85-0	Benzoic acid	NR	NR	NR	NR	NR	NR
111-91-1	bis(2-Chloroethoxy)methane	NR	NR	NR	NR	NR	NR
120-83-2	2,4-Dichlorophenol	NR	NR	NR	NR	NR	NR
120-82-1	1,2,4-Trichlorobenzene	NR	NR	NR	NR	NR	NR
106-47-8	4-Chloroaniline	NR	NR	NR	NR	NR	NR
87-68-3	Hexachlorobutadiene	NR	NR	NR	NR	NR	NR
59-50-7	4-Chloro-3-methylphenol	NR	NR	NR	NR	NR	NR
91-57-6	2-Methylnaphthalene	NR	NR	NR	NR	NR	NR
77-47-4	Hexachlorocyclopentadiene	NR	NR	NR	NR	NR	NR
88-06-2	2,4,6-Trichlorophenol	NR	NR	NR	NR	NR	NR
95-95-4	2,4,5-Trichlorophenol	NR	NR	NR	NR	NR	NR
91-58-7	2-Chloronaphthalene	NR	NR	NR	NR	NR	NR
88-74-4	2-Nitroaniline	NR	NR	NR	NR	NR	NR
131-11-3	Dimethyl phthalate	NR	NR	NR	NR	NR	NR
208-96-8	Acenaphthylene	NR	NR	NR	NR	NR	NR

FDS CAR ADDENDUM
AREA 20
DPT SOIL RESULTS

SW846-SVOA							
	SAMPLE ID ------->	F20-S-P015-09	F20-S-P016-09	F20-S-P017-09	F20-S-P019-06	F20-S-P020-06	F20-S-P021-06
	ORIGINAL ID ----->	F20SP01509	F20SP01609	F20SP01709	F20SP01906	F20SP02006	F20SP02106
	LAB SAMPLE ID --->	37281.02	37281.03	37261.03	38434.14	38434.13	38434.12
	ID FROM REPORT -->	F20SP01509	F20SP01609	F20SP01709	F20SP01906	F20SP02006	F20SP02106
	SAMPLE DATE ----->	01/28/99	01/28/99	01/27/99	05/07/99	05/07/99	05/07/99
	DATE EXTRACTED -->	02/02/99	02/02/99	01/29/99	05/09/99	05/09/99	05/09/99
	DATE ANALYZED --->	02/12/99	02/16/99	02/13/99	05/20/99	05/20/99	05/19/99
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
	UNITS ---------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
CAS #	Parameter	37281	37281	37261	38434	38434	38434
99-09-2	3-Nitroaniline	NR	NR	NR	NR	NR	NR
83-32-9	Acenaphthene	NR	NR	NR	NR	NR	NR
51-28-5	2,4-Dinitrophenol	NR	NR	NR	NR	NR	NR
100-02-7	4-Nitrophenol	NR	NR	NR	NR	NR	NR
132-64-9	Dibenzofuran	NR	NR	NR	NR	NR	NR
121-14-2	2,4-Dinitrotoluene	NR	NR	NR	NR	NR	NR
606-20-2	2,6-Dinitrotoluene	NR	NR	NR	NR	NR	NR
84-66-2	Diethylphthalate	NR	NR	NR	NR	NR	NR
7005-72-3	4-Chlorophenylphenylether	NR	NR	NR	NR	NR	NR
86-73-7	Fluorene	NR	NR	NR	NR	NR	NR
100-01-6	4-Nitroaniline	NR	NR	NR	NR	NR	NR
534-52-1	2-Methyl-4,6-Dinitrophenol	NR	NR	NR	NR	NR	NR
86-30-6	N-Nitrosodiphenylamine	NR	NR	NR	NR	NR	NR
101-55-3	4-Bromophenyl-phenylether	NR	NR	NR	NR	NR	NR
118-74-1	Hexachlorobenzene	NR	NR	NR	NR	NR	NR
87-86-5	Pentachlorophenol	NR	NR	NR	NR	NR	NR
85-01-8	Phenanthrene	NR	NR	NR	NR	NR	NR
120-12-7	Anthracene	NR	NR	NR	NR	NR	NR
84-74-2	Di-n-butylphthalate	NR	NR	NR	NR	NR	NR
206-44-0	Fluoranthene	NR	NR	NR	NR	NR	NR
129-00-0	Pyrene	NR	NR	NR	NR	NR	NR
85-68-7	Butylbenzylphthalate	NR	NR	NR	NR	NR	NR
91-94-1	3,3'-Dichlorobenzidine	NR	NR	NR	NR	NR	NR
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)	NR	NR	NR	NR	NR	NR
117-84-0	Di-n-octyl phthalate	NR	NR	NR	NR	NR	NR
50-32-8	Benzo(a)pyrene	NR	NR	NR	NR	NR	NR
193-39-5	Indeno(1,2,3-cd)pyrene	NR	NR	NR	NR	NR	NR
53-70-3	Dibenz(a,h)anthracene	NR	NR	NR	NR	NR	NR
191-24-2	Benzo(g,h,i)perylene	NR	NR	NR	NR	NR	NR

FDS CAR ADDENDUM
AREA 20
DPT SOIL RESULTS

SW846-SVOA													
	SAMPLE ID ------->	F20-S-P022-04		F20-S-P023-07		F20-S-P024-07		F20-S-P025-05		F20-S-P026-08		F20-S-P027-08	
	ORIGINAL ID ----->	F20SP02204		F20SP02307		F20SP02407		F20SP02505		F20SP02608		F20SP02708	
	LAB SAMPLE ID --->	38434.15		38434.19		38434.18		38434.16		38434.17		38434.11	
	ID FROM REPORT -->	F20SP02204		F20SP02307		F20SP02407		F20SP02505		F20SP02608		F20SP02708	
	SAMPLE DATE ----->	05/07/99		05/07/99		05/07/99		05/07/99		05/07/99		05/07/99	
	DATE EXTRACTED -->	05/09/99		05/09/99		05/09/99		05/09/99		05/09/99		05/09/99	
	DATE ANALYZED --->	05/19/99		05/20/99		05/20/99		05/20/99		05/19/99		05/19/99	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	38434		38434		38434		38434		38434		38434	
91-20-3	Naphthalene	2000.	U	660.		600.		390.	U	400.	U	400.	U
56-55-3	Benzo(a)anthracene	160.	J	170.	J	40.	J	120.	J	400.	U	35.	J
218-01-9	Chrysene	190.	J	310.	J	55.	J	150.	J	400.	U	45.	J
205-99-2	Benzo(b)fluoranthene	140.	J	79.	J	46.	J	110.	J	400.	U	41.	J
207-08-9	Benzo(k)fluoranthene	140.	J	53.	J	30.	J	120.	J	400.	U	29.	J
108-95-2	Phenol	NR		NR		NR		NR		NR		NR	
111-44-4	bis(2-Chloroethyl)ether	NR		NR		NR		NR		NR		NR	
95-57-8	2-Chlorophenol	NR		NR		NR		NR		NR		NR	
541-73-1	1,3-Dichlorobenzene	NR		NR		NR		NR		NR		NR	
106-46-7	1,4-Dichlorobenzene	NR		NR		NR		NR		NR		NR	
100-51-6	Benzyl alcohol	NR		NR		NR		NR		NR		NR	
95-50-1	1,2-Dichlorobenzene	NR		NR		NR		NR		NR		NR	
95-48-7	2-Methylphenol (o-Cresol)	NR		NR		NR		NR		NR		NR	
108-60-1	2,2'-oxybis(1-Chloropropane)	NR		NR		NR		NR		NR		NR	
106-44-5	4-Methylphenol (p-Cresol)	NR		NR		NR		NR		NR		NR	
621-64-7	N-Nitroso-di-n-propylamine	NR		NR		NR		NR		NR		NR	
67-72-1	Hexachloroethane	NR		NR		NR		NR		NR		NR	
98-95-3	Nitrobenzene	NR		NR		NR		NR		NR		NR	
78-59-1	Isophorone	NR		NR		NR		NR		NR		NR	
88-75-5	2-Nitrophenol	NR		NR		NR		NR		NR		NR	
105-67-9	2,4-Dimethylphenol	NR		NR		NR		NR		NR		NR	
65-85-0	Benzoic acid	NR		NR		NR		NR		NR		NR	
111-91-1	bis(2-Chloroethoxy)methane	NR		NR		NR		NR		NR		NR	
120-83-2	2,4-Dichlorophenol	NR		NR		NR		NR		NR		NR	
120-82-1	1,2,4-Trichlorobenzene	NR		NR		NR		NR		NR		NR	
106-47-8	4-Chloroaniline	NR		NR		NR		NR		NR		NR	
87-68-3	Hexachlorobutadiene	NR		NR		NR		NR		NR		NR	
59-50-7	4-Chloro-3-methylphenol	NR		NR		NR		NR		NR		NR	
91-57-6	2-Methylnaphthalene	NR		NR		NR		NR		NR		NR	
77-47-4	Hexachlorocyclopentadiene	NR		NR		NR		NR		NR		NR	
88-06-2	2,4,6-Trichlorophenol	NR		NR		NR		NR		NR		NR	
95-95-4	2,4,5-Trichlorophenol	NR		NR		NR		NR		NR		NR	
91-58-7	2-Chloronaphthalene	NR		NR		NR		NR		NR		NR	
88-74-4	2-Nitroaniline	NR		NR		NR		NR		NR		NR	
131-11-3	Dimethyl phthalate	NR		NR		NR		NR		NR		NR	
208-96-8	Acenaphthylene	NR		NR		NR		NR		NR		NR	

FDS CAR ADDENDUM
AREA 20
DPT SOIL RESULTS

SW846-SVOA							
	SAMPLE ID ------->	F20-S-P022-04	F20-S-P023-07	F20-S-P024-07	F20-S-P025-05	F20-S-P026-08	F20-S-P027-08
	ORIGINAL ID ----->	F20SP02204	F20SP02307	F20SP02407	F20SP02505	F20SP02608	F20SP02708
	LAB SAMPLE ID --->	38434.15	38434.19	38434.18	38434.16	38434.17	38434.11
	ID FROM REPORT -->	F20SP02204	F20SP02307	F20SP02407	F20SP02505	F20SP02608	F20SP02708
	SAMPLE DATE ----->	05/07/99	05/07/99	05/07/99	05/07/99	05/07/99	05/07/99
	DATE EXTRACTED -->	05/09/99	05/09/99	05/09/99	05/09/99	05/09/99	05/09/99
	DATE ANALYZED --->	05/19/99	05/20/99	05/20/99	05/20/99	05/19/99	05/19/99
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
	UNITS ---------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
CAS #	Parameter	38434	38434	38434	38434	38434	38434
99-09-2	3-Nitroaniline	NR	NR	NR	NR	NR	NR
83-32-9	Acenaphthene	NR	NR	NR	NR	NR	NR
51-28-5	2,4-Dinitrophenol	NR	NR	NR	NR	NR	NR
100-02-7	4-Nitrophenol	NR	NR	NR	NR	NR	NR
132-64-9	Dibenzofuran	NR	NR	NR	NR	NR	NR
121-14-2	2,4-Dinitrotoluene	NR	NR	NR	NR	NR	NR
606-20-2	2,6-Dinitrotoluene	NR	NR	NR	NR	NR	NR
84-66-2	Diethylphthalate	NR	NR	NR	NR	NR	NR
7005-72-3	4-Chlorophenylphenylether	NR	NR	NR	NR	NR	NR
86-73-7	Fluorene	NR	NR	NR	NR	NR	NR
100-01-6	4-Nitroaniline	NR	NR	NR	NR	NR	NR
534-52-1	2-Methyl-4,6-Dinitrophenol	NR	NR	NR	NR	NR	NR
86-30-6	N-Nitrosodiphenylamine	NR	NR	NR	NR	NR	NR
101-55-3	4-Bromophenyl-phenylether	NR	NR	NR	NR	NR	NR
118-74-1	Hexachlorobenzene	NR	NR	NR	NR	NR	NR
87-86-5	Pentachlorophenol	NR	NR	NR	NR	NR	NR
85-01-8	Phenanthrene	NR	NR	NR	NR	NR	NR
120-12-7	Anthracene	NR	NR	NR	NR	NR	NR
84-74-2	Di-n-butylphthalate	NR	NR	NR	NR	NR	NR
206-44-0	Fluoranthene	NR	NR	NR	NR	NR	NR
129-00-0	Pyrene	NR	NR	NR	NR	NR	NR
85-68-7	Butylbenzylphthalate	NR	NR	NR	NR	NR	NR
91-94-1	3,3'-Dichlorobenzidine	NR	NR	NR	NR	NR	NR
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)	NR	NR	NR	NR	NR	NR
117-84-0	Di-n-octyl phthalate	NR	NR	NR	NR	NR	NR
50-32-8	Benzo(a)pyrene	NR	NR	NR	NR	NR	NR
193-39-5	Indeno(1,2,3-cd)pyrene	NR	NR	NR	NR	NR	NR
53-70-3	Dibenz(a,h)anthracene	NR	NR	NR	NR	NR	NR
191-24-2	Benzo(g,h,i)perylene	NR	NR	NR	NR	NR	NR

FDS CAR ADDENDUM
AREA 20
DPT SOIL RESULTS

SW846-SVOA								
	SAMPLE ID ------->	F20-S-P029-07		F20-S-P030-05				
	ORIGINAL ID ----->	F20SP02907		F20SP03005				
	LAB SAMPLE ID --->	38434.09		38434.10				
	ID FROM REPORT -->	F20SP02907		F20SP03005				
	SAMPLE DATE ----->	05/07/99		05/07/99				
	DATE EXTRACTED -->	05/09/99		05/09/99				
	DATE ANALYZED --->	05/21/99		05/20/99				
	MATRIX ---------->	Soil		Soil				
	UNITS ---------->	UG/KG		UG/KG				
CAS #	Parameter	38434		38434				
91-20-3	Naphthalene	29.	J	43.	J			
56-55-3	Benzo(a)anthracene	95.	J	200.	J			
218-01-9	Chrysene	180.	J	280.	J			
205-99-2	Benzo(b)fluoranthene	96.	J	140.	J			
207-08-9	Benzo(k)fluoranthene	85.	J	170.	J			
108-95-2	Phenol	NR		NR				
111-44-4	bis(2-Chloroethyl)ether	NR		NR				
95-57-8	2-Chlorophenol	NR		NR				
541-73-1	1,3-Dichlorobenzene	NR		NR				
106-46-7	1,4-Dichlorobenzene	NR		NR				
100-51-6	Benzyl alcohol	NR		NR				
95-50-1	1,2-Dichlorobenzene	NR		NR				
95-48-7	2-Methylphenol (o-Cresol)	NR		NR				
108-60-1	2,2'-oxybis(1-Chloropropane)	NR		NR				
106-44-5	4-Methylphenol (p-Cresol)	NR		NR				
621-64-7	N-Nitroso-di-n-propylamine	NR		NR				
67-72-1	Hexachloroethane	NR		NR				
98-95-3	Nitrobenzene	NR		NR				
78-59-1	Isophorone	NR		NR				
88-75-5	2-Nitrophenol	NR		NR				
105-67-9	2,4-Dimethylphenol	NR		NR				
65-85-0	Benzoic acid	NR		NR				
111-91-1	bis(2-Chloroethoxy)methane	NR		NR				
120-83-2	2,4-Dichlorophenol	NR		NR				
120-82-1	1,2,4-Trichlorobenzene	NR		NR				
106-47-8	4-Chloroaniline	NR		NR				
87-68-3	Hexachlorobutadiene	NR		NR				
59-50-7	4-Chloro-3-methylphenol	NR		NR				
91-57-6	2-Methylnaphthalene	NR		NR				
77-47-4	Hexachlorocyclopentadiene	NR		NR				
88-06-2	2,4,6-Trichlorophenol	NR		NR				
95-95-4	2,4,5-Trichlorophenol	NR		NR				
91-58-7	2-Chloronaphthalene	NR		NR				
88-74-4	2-Nitroaniline	NR		NR				
131-11-3	Dimethyl phthalate	NR		NR				
208-96-8	Acenaphthylene	NR		NR				

FDS CAR ADDENDUM
AREA 20
DPT SOIL RESULTS

SW846-SVOA							
	SAMPLE ID ------->	F20-S-P029-07	F20-S-P030-05				
	ORIGINAL ID ----->	F20SP02907	F20SP03005				
	LAB SAMPLE ID --->	38434.09	38434.10				
	ID FROM REPORT -->	F20SP02907	F20SP03005				
	SAMPLE DATE ----->	05/07/99	05/07/99				
	DATE EXTRACTED -->	05/09/99	05/09/99				
	DATE ANALYZED --->	05/21/99	05/20/99				
	MATRIX ---------->	Soil	Soil				
	UNITS ---------->	UG/KG	UG/KG				
CAS #	Parameter	38434	38434				
99-09-2	3-Nitroaniline	NR	NR				
83-32-9	Acenaphthene	NR	NR				
51-28-5	2,4-Dinitrophenol	NR	NR				
100-02-7	4-Nitrophenol	NR	NR				
132-64-9	Dibenzofuran	NR	NR				
121-14-2	2,4-Dinitrotoluene	NR	NR				
606-20-2	2,6-Dinitrotoluene	NR	NR				
84-66-2	Diethylphthalate	NR	NR				
7005-72-3	4-Chlorophenylphenylether	NR	NR				
86-73-7	Fluorene	NR	NR				
100-01-6	4-Nitroaniline	NR	NR				
534-52-1	2-Methyl-4,6-Dinitrophenol	NR	NR				
86-30-6	N-Nitrosodiphenylamine	NR	NR				
101-55-3	4-Bromophenyl-phenylether	NR	NR				
118-74-1	Hexachlorobenzene	NR	NR				
87-86-5	Pentachlorophenol	NR	NR				
85-01-8	Phenanthrene	NR	NR				
120-12-7	Anthracene	NR	NR				
84-74-2	Di-n-butylphthalate	NR	NR				
206-44-0	Fluoranthene	NR	NR				
129-00-0	Pyrene	NR	NR				
85-68-7	Butylbenzylphthalate	NR	NR				
91-94-1	3,3'-Dichlorobenzidine	NR	NR				
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)	NR	NR				
117-84-0	Di-n-octyl phthalate	NR	NR				
50-32-8	Benzo(a)pyrene	NR	NR				
193-39-5	Indeno(1,2,3-cd)pyrene	NR	NR				
53-70-3	Dibenz(a,h)anthracene	NR	NR				
191-24-2	Benzo(g,h,i)perylene	NR	NR				

FDS CAR ADDENDUM
AREA 20
DPT GROUNDWATER RESULTS

SW846-SVOA													
	SAMPLE ID ------->	F20-G-P001-01		F20-G-P002-01		F20-G-P003-01		F20-G-P004-01		F20-G-P005-01		F20-G-P006-01	
	ORIGINAL ID ----->	F20GP00101		F20GP00201		F20GP00301		F20GP00401		F20GP00501		F20GP00601	
	LAB SAMPLE ID --->	37297.08		37297.07		37297.06		37297.04		37297.03		37297.05	
	ID FROM REPORT -->	F20GP00101		F20GP00201		F20GP00301		F20GP00401		F20GP00501		F20GP00601	
	SAMPLE DATE ----->	01/29/99		01/29/99		01/29/99		01/29/99		01/29/99		01/29/99	
	DATE EXTRACTED -->	01/31/99		01/31/99		01/31/99		01/31/99		01/31/99		01/31/99	
	DATE ANALYZED --->	02/12/99		02/12/99		02/12/99		02/16/99		02/12/99		02/12/99	
	MATRIX ---------->	Water		Water		Water		Water		Water		Water	
	UNITS ---------->	UG/L		UG/L		UG/L		UG/L		UG/L		UG/L	
CAS #	Parameter	37297		37297		37297		37297		37297		37297	
91-20-3	Naphthalene	1.	J	1.	J	3.	J	6.	J	16.		5.	J
56-55-3	Benzo(a)anthracene	10.	U	10.	U	2.	J	10.	U	1.	J	10.	U
218-01-9	Chrysene	10.	U	10.	U	2.	J	10.	U	2.	J	10.	U
205-99-2	Benzo(b)fluoranthene	10.	U	10.	U	2.	J	10.	U	1.	J	10.	U
207-08-9	Benzo(k)fluoranthene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
108-95-2	Phenol	NR		NR		NR		NR		NR		NR	
111-44-4	bis(2-Chloroethyl)ether	NR		NR		NR		NR		NR		NR	
95-57-8	2-Chlorophenol	NR		NR		NR		NR		NR		NR	
541-73-1	1,3-Dichlorobenzene	NR		NR		NR		NR		NR		NR	
106-46-7	1,4-Dichlorobenzene	NR		NR		NR		NR		NR		NR	
100-51-6	Benzyl alcohol	NR		NR		NR		NR		NR		NR	
95-50-1	1,2-Dichlorobenzene	NR		NR		NR		NR		NR		NR	
95-48-7	2-Methylphenol (o-Cresol)	NR		NR		NR		NR		NR		NR	
108-60-1	2,2'-oxybis(1-Chloropropane)	NR		NR		NR		NR		NR		NR	
106-44-5	4-Methylphenol (p-Cresol)	NR		NR		NR		NR		NR		NR	
621-64-7	N-Nitroso-di-n-propylamine	NR		NR		NR		NR		NR		NR	
67-72-1	Hexachloroethane	NR		NR		NR		NR		NR		NR	
98-95-3	Nitrobenzene	NR		NR		NR		NR		NR		NR	
78-59-1	Isophorone	NR		NR		NR		NR		NR		NR	
88-75-5	2-Nitrophenol	NR		NR		NR		NR		NR		NR	
105-67-9	2,4-Dimethylphenol	NR		NR		NR		NR		NR		NR	
65-85-0	Benzoic acid	NR		NR		NR		NR		NR		NR	
111-91-1	bis(2-Chloroethoxy)methane	NR		NR		NR		NR		NR		NR	
120-83-2	2,4-Dichlorophenol	NR		NR		NR		NR		NR		NR	
120-82-1	1,2,4-Trichlorobenzene	NR		NR		NR		NR		NR		NR	
106-47-8	4-Chloroaniline	NR		NR		NR		NR		NR		NR	
87-68-3	Hexachlorobutadiene	NR		NR		NR		NR		NR		NR	
59-50-7	4-Chloro-3-methylphenol	NR		NR		NR		NR		NR		NR	
91-57-6	2-Methylnaphthalene	NR		NR		NR		NR		NR		NR	
77-47-4	Hexachlorocyclopentadiene	NR		NR		NR		NR		NR		NR	
88-06-2	2,4,6-Trichlorophenol	NR		NR		NR		NR		NR		NR	
95-95-4	2,4,5-Trichlorophenol	NR		NR		NR		NR		NR		NR	
91-58-7	2-Chloronaphthalene	NR		NR		NR		NR		NR		NR	
88-74-4	2-Nitroaniline	NR		NR		NR		NR		NR		NR	
131-11-3	Dimethyl phthalate	NR		NR		NR		NR		NR		NR	
208-96-8	Acenaphthylene	NR		NR		NR		NR		NR		NR	

FDS CAR ADDENDUM
AREA 20
DPT GROUNDWATER RESULTS

SW846-SVOA							
	SAMPLE ID ------->	F20-G-P001-01	F20-G-P002-01	F20-G-P003-01	F20-G-P004-01	F20-G-P005-01	F20-G-P006-01
	ORIGINAL ID ----->	F20GP00101	F20GP00201	F20GP00301	F20GP00401	F20GP00501	F20GP00601
	LAB SAMPLE ID --->	37297.08	37297.07	37297.06	37297.04	37297.03	37297.05
	ID FROM REPORT -->	F20GP00101	F20GP00201	F20GP00301	F20GP00401	F20GP00501	F20GP00601
	SAMPLE DATE ----->	01/29/99	01/29/99	01/29/99	01/29/99	01/29/99	01/29/99
	DATE EXTRACTED -->	01/31/99	01/31/99	01/31/99	01/31/99	01/31/99	01/31/99
	DATE ANALYZED --->	02/12/99	02/12/99	02/12/99	02/16/99	02/12/99	02/12/99
	MATRIX ---------->	Water	Water	Water	Water	Water	Water
	UNITS ---------->	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
CAS #	Parameter	37297	37297	37297	37297	37297	37297
99-09-2	3-Nitroaniline	NR	NR	NR	NR	NR	NR
83-32-9	Acenaphthene	NR	NR	NR	NR	NR	NR
51-28-5	2,4-Dinitrophenol	NR	NR	NR	NR	NR	NR
100-02-7	4-Nitrophenol	NR	NR	NR	NR	NR	NR
132-64-9	Dibenzofuran	NR	NR	NR	NR	NR	NR
121-14-2	2,4-Dinitrotoluene	NR	NR	NR	NR	NR	NR
606-20-2	2,6-Dinitrotoluene	NR	NR	NR	NR	NR	NR
84-66-2	Diethylphthalate	NR	NR	NR	NR	NR	NR
7005-72-3	4-Chlorophenylphenylether	NR	NR	NR	NR	NR	NR
86-73-7	Fluorene	NR	NR	NR	NR	NR	NR
100-01-6	4-Nitroaniline	NR	NR	NR	NR	NR	NR
534-52-1	2-Methyl-4,6-Dinitrophenol	NR	NR	NR	NR	NR	NR
86-30-6	N-Nitrosodiphenylamine	NR	NR	NR	NR	NR	NR
101-55-3	4-Bromophenyl-phenylether	NR	NR	NR	NR	NR	NR
118-74-1	Hexachlorobenzene	NR	NR	NR	NR	NR	NR
87-86-5	Pentachlorophenol	NR	NR	NR	NR	NR	NR
85-01-8	Phenanthrene	NR	NR	NR	NR	NR	NR
120-12-7	Anthracene	NR	NR	NR	NR	NR	NR
84-74-2	Di-n-butylphthalate	NR	NR	NR	NR	NR	NR
206-44-0	Fluoranthene	NR	NR	NR	NR	NR	NR
129-00-0	Pyrene	NR	NR	NR	NR	NR	NR
85-68-7	Butylbenzylphthalate	NR	NR	NR	NR	NR	NR
91-94-1	3,3'-Dichlorobenzidine	NR	NR	NR	NR	NR	NR
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)	NR	NR	NR	NR	NR	NR
117-84-0	Di-n-octyl phthalate	NR	NR	NR	NR	NR	NR
50-32-8	Benzo(a)pyrene	NR	NR	NR	NR	NR	NR
193-39-5	Indeno(1,2,3-cd)pyrene	NR	NR	NR	NR	NR	NR
53-70-3	Dibenz(a,h)anthracene	NR	NR	NR	NR	NR	NR
191-24-2	Benzo(g,h,i)perylene	NR	NR	NR	NR	NR	NR

FDS CAR ADDENDUM
AREA 20
DPT GROUNDWATER RESULTS

SW846-SVOA																	
	SAMPLE ID ------->	F20-G-P008-01		F20-G-P018-01		F20-G-P019-01		F20-G-P020-01		F20-G-P022-01		F20-G-P024-01	
	ORIGINAL ID ----->	F20GP00801		F20GP01801		F20GP01901		F20GP02001		F20GP02201		F20GP02401	
	LAB SAMPLE ID --->	37297.02		38434.03		38434.02		38434.01		38464.05		38464.06	
	ID FROM REPORT -->	F20GP00801		F20GP01801		F20GP01901		F20GP02001		F20GP02201		F20GP02401	
	SAMPLE DATE ----->	01/29/99		05/07/99		05/07/99		05/07/99		05/10/99		05/10/99	
	DATE EXTRACTED -->	01/31/99		05/09/99		05/09/99		05/09/99		05/12/99		05/12/99	
	DATE ANALYZED --->	02/12/99		05/19/99		05/14/99		05/14/99		05/18/99		05/18/99	
	MATRIX ---------->	Water		Water		Water		Water		Water		Water	
	UNITS ---------->	UG/L		UG/L		UG/L		UG/L		UG/L		UG/L	
CAS #	Parameter	37297		38434		38434		38434		38464		38464	
91-20-3	Naphthalene	780.	E	0.6	J	10.	U	10.	U	1.	J	9.	J
56-55-3	Benzo(a)anthracene	55.		2.	J	10.	U	10.	U	10.	U	2.	J
218-01-9	Chrysene	50.		2.	J	10.	U	10.	U	10.	U	4.	J
205-99-2	Benzo(b)fluoranthene	26.		1.	J	10.	U	10.	U	10.	U	1.	J
207-08-9	Benzo(k)fluoranthene	20.		0.5	J	10.	U	10.	U	10.	U	0.9	J
108-95-2	Phenol	NR		NR		NR		NR		NR		NR	
111-44-4	bis(2-Chloroethyl)ether	NR		NR		NR		NR		NR		NR	
95-57-8	2-Chlorophenol	NR		NR		NR		NR		NR		NR	
541-73-1	1,3-Dichlorobenzene	NR		NR		NR		NR		NR		NR	
106-46-7	1,4-Dichlorobenzene	NR		NR		NR		NR		NR		NR	
100-51-6	Benzyl alcohol	NR		NR		NR		NR		NR		NR	
95-50-1	1,2-Dichlorobenzene	NR		NR		NR		NR		NR		NR	
95-48-7	2-Methylphenol (o-Cresol)	NR		NR		NR		NR		NR		NR	
108-60-1	2,2'-oxybis(1-Chloropropane)	NR		NR		NR		NR		NR		NR	
106-44-5	4-Methylphenol (p-Cresol)	NR		NR		NR		NR		NR		NR	
621-64-7	N-Nitroso-di-n-propylamine	NR		NR		NR		NR		NR		NR	
67-72-1	Hexachloroethane	NR		NR		NR		NR		NR		NR	
98-95-3	Nitrobenzene	NR		NR		NR		NR		NR		NR	
78-59-1	Isophorone	NR		NR		NR		NR		NR		NR	
88-75-5	2-Nitrophenol	NR		NR		NR		NR		NR		NR	
105-67-9	2,4-Dimethylphenol	NR		NR		NR		NR		NR		NR	
65-85-0	Benzoic acid	NR		NR		NR		NR		NR		NR	
111-91-1	bis(2-Chloroethoxy)methane	NR		NR		NR		NR		NR		NR	
120-83-2	2,4-Dichlorophenol	NR		NR		NR		NR		NR		NR	
120-82-1	1,2,4-Trichlorobenzene	NR		NR		NR		NR		NR		NR	
106-47-8	4-Chloroaniline	NR		NR		NR		NR		NR		NR	
87-68-3	Hexachlorobutadiene	NR		NR		NR		NR		NR		NR	
59-50-7	4-Chloro-3-methylphenol	NR		NR		NR		NR		NR		NR	
91-57-6	2-Methylnaphthalene	NR		NR		NR		NR		NR		NR	
77-47-4	Hexachlorocyclopentadiene	NR		NR		NR		NR		NR		NR	
88-06-2	2,4,6-Trichlorophenol	NR		NR		NR		NR		NR		NR	
95-95-4	2,4,5-Trichlorophenol	NR		NR		NR		NR		NR		NR	
91-58-7	2-Chloronaphthalene	NR		NR		NR		NR		NR		NR	
88-74-4	2-Nitroaniline	NR		NR		NR		NR		NR		NR	
131-11-3	Dimethyl phthalate	NR		NR		NR		NR		NR		NR	
208-96-8	Acenaphthylene	NR		NR		NR		NR		NR		NR	

FDS CAR ADDENDUM
AREA 20
DPT GROUNDWATER RESULTS

SW846-SVOA							
	SAMPLE ID ------->	F20-G-P008-01	F20-G-P018-01	F20-G-P019-01	F20-G-P020-01	F20-G-P022-01	F20-G-P024-01
	ORIGINAL ID ----->	F20GP00801	F20GP01801	F20GP01901	F20GP02001	F20GP02201	F20GP02401
	LAB SAMPLE ID --->	37297.02	38434.03	38434.02	38434.01	38464.05	38464.06
	ID FROM REPORT -->	F20GP00801	F20GP01801	F20GP01901	F20GP02001	F20GP02201	F20GP02401
	SAMPLE DATE ----->	01/29/99	05/07/99	05/07/99	05/07/99	05/10/99	05/10/99
	DATE EXTRACTED -->	01/31/99	05/09/99	05/09/99	05/09/99	05/12/99	05/12/99
	DATE ANALYZED --->	02/12/99	05/19/99	05/14/99	05/14/99	05/18/99	05/18/99
	MATRIX ---------->	Water	Water	Water	Water	Water	Water
	UNITS ---------->	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
CAS #	Parameter	37297	38434	38434	38434	38464	38464
99-09-2	3-Nitroaniline	NR	NR	NR	NR	NR	NR
83-32-9	Acenaphthene	NR	NR	NR	NR	NR	NR
51-28-5	2,4-Dinitrophenol	NR	NR	NR	NR	NR	NR
100-02-7	4-Nitrophenol	NR	NR	NR	NR	NR	NR
132-64-9	Dibenzofuran	NR	NR	NR	NR	NR	NR
121-14-2	2,4-Dinitrotoluene	NR	NR	NR	NR	NR	NR
606-20-2	2,6-Dinitrotoluene	NR	NR	NR	NR	NR	NR
84-66-2	Diethylphthalate	NR	NR	NR	NR	NR	NR
7005-72-3	4-Chlorophenylphenylether	NR	NR	NR	NR	NR	NR
86-73-7	Fluorene	NR	NR	NR	NR	NR	NR
100-01-6	4-Nitroaniline	NR	NR	NR	NR	NR	NR
534-52-1	2-Methyl-4,6-Dinitrophenol	NR	NR	NR	NR	NR	NR
86-30-6	N-Nitrosodiphenylamine	NR	NR	NR	NR	NR	NR
101-55-3	4-Bromophenyl-phenylether	NR	NR	NR	NR	NR	NR
118-74-1	Hexachlorobenzene	NR	NR	NR	NR	NR	NR
87-86-5	Pentachlorophenol	NR	NR	NR	NR	NR	NR
85-01-8	Phenanthrene	NR	NR	NR	NR	NR	NR
120-12-7	Anthracene	NR	NR	NR	NR	NR	NR
84-74-2	Di-n-butylphthalate	NR	NR	NR	NR	NR	NR
206-44-0	Fluoranthene	NR	NR	NR	NR	NR	NR
129-00-0	Pyrene	NR	NR	NR	NR	NR	NR
85-68-7	Butylbenzylphthalate	NR	NR	NR	NR	NR	NR
91-94-1	3,3'-Dichlorobenzidine	NR	NR	NR	NR	NR	NR
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)	NR	NR	NR	NR	NR	NR
117-84-0	Di-n-octyl phthalate	NR	NR	NR	NR	NR	NR
50-32-8	Benzo(a)pyrene	NR	NR	NR	NR	NR	NR
193-39-5	Indeno(1,2,3-cd)pyrene	NR	NR	NR	NR	NR	NR
53-70-3	Dibenz(a,h)anthracene	NR	NR	NR	NR	NR	NR
191-24-2	Benzo(g,h,i)perylene	NR	NR	NR	NR	NR	NR

FDS CAR ADDENDUM
AREA 20
DPT GROUNDWATER RESULTS

SW846-SVOA											
	SAMPLE ID ------->	F20-G-P025-01		F20-G-P026-01		F20-G-P027-01		F20-G-P029-01		F20-G-P030-01	
	ORIGINAL ID ----->	F20GP02501		F20GP02601		F20GP02701		F20GP02901		F20GP03001	
	LAB SAMPLE ID --->	38464.07		38464.08		38482.03		38482.01		38482.02	
	ID FROM REPORT -->	F20GP02501		F20GP02601		F20GP02701		F20GP02901		F20GP03001	
	SAMPLE DATE ----->	05/10/99		05/10/99		05/11/99		05/11/99		05/11/99	
	DATE EXTRACTED -->	05/12/99		05/12/99		05/12/99		05/12/99		05/12/99	
	DATE ANALYZED --->	05/18/99		05/18/99		05/18/99		05/18/99		05/18/99	
	MATRIX ---------->	Water		Water		Water		Water		Water	
	UNITS ---------->	UG/L		UG/L		UG/L		UG/L		UG/L	
CAS #	Parameter	38464		38464		38464		38464		38464	
91-20-3	Naphthalene	10.	U	10.	U	10.	U	10.	U	10.	U
56-55-3	Benzo(a)anthracene	15.		10.	U	10.	U	10.	U	10.	U
218-01-9	Chrysene	13.		10.	U	10.	U	10.	U	10.	U
205-99-2	Benzo(b)fluoranthene	10.	J	10.	U	10.	U	10.	U	10.	U
207-08-9	Benzo(k)fluoranthene	6.	J	10.	U	10.	U	10.	U	10.	U
108-95-2	Phenol	NR		NR		NR		NR		NR	
111-44-4	bis(2-Chloroethyl)ether	NR		NR		NR		NR		NR	
95-57-8	2-Chlorophenol	NR		NR		NR		NR		NR	
541-73-1	1,3-Dichlorobenzene	NR		NR		NR		NR		NR	
106-46-7	1,4-Dichlorobenzene	NR		NR		NR		NR		NR	
100-51-6	Benzyl alcohol	NR		NR		NR		NR		NR	
95-50-1	1,2-Dichlorobenzene	NR		NR		NR		NR		NR	
95-48-7	2-Methylphenol (o-Cresol)	NR		NR		NR		NR		NR	
108-60-1	2,2'-oxybis(1-Chloropropane)	NR		NR		NR		NR		NR	
106-44-5	4-Methylphenol (p-Cresol)	NR		NR		NR		NR		NR	
621-64-7	N-Nitroso-di-n-propylamine	NR		NR		NR		NR		NR	
67-72-1	Hexachloroethane	NR		NR		NR		NR		NR	
98-95-3	Nitrobenzene	NR		NR		NR		NR		NR	
78-59-1	Isophorone	NR		NR		NR		NR		NR	
88-75-5	2-Nitrophenol	NR		NR		NR		NR		NR	
105-67-9	2,4-Dimethylphenol	NR		NR		NR		NR		NR	
65-85-0	Benzoic acid	NR		NR		NR		NR		NR	
111-91-1	bis(2-Chloroethoxy)methane	NR		NR		NR		NR		NR	
120-83-2	2,4-Dichlorophenol	NR		NR		NR		NR		NR	
120-82-1	1,2,4-Trichlorobenzene	NR		NR		NR		NR		NR	
106-47-8	4-Chloroaniline	NR		NR		NR		NR		NR	
87-68-3	Hexachlorobutadiene	NR		NR		NR		NR		NR	
59-50-7	4-Chloro-3-methylphenol	NR		NR		NR		NR		NR	
91-57-6	2-Methylnaphthalene	NR		NR		NR		NR		NR	
77-47-4	Hexachlorocyclopentadiene	NR		NR		NR		NR		NR	
88-06-2	2,4,6-Trichlorophenol	NR		NR		NR		NR		NR	
95-95-4	2,4,5-Trichlorophenol	NR		NR		NR		NR		NR	
91-58-7	2-Chloronaphthalene	NR		NR		NR		NR		NR	
88-74-4	2-Nitroaniline	NR		NR		NR		NR		NR	
131-11-3	Dimethyl phthalate	NR		NR		NR		NR		NR	
208-96-8	Acenaphthylene	NR		NR		NR		NR		NR	

FDS CAR ADDENDUM
AREA 20
DPT GROUNDWATER RESULTS

SW846-SVOA							
	SAMPLE ID ------->	F20-G-P025-01	F20-G-P026-01	F20-G-P027-01	F20-G-P029-01	F20-G-P030-01	
	ORIGINAL ID ----->	F20GP02501	F20GP02601	F20GP02701	F20GP02901	F20GP03001	
	LAB SAMPLE ID --->	38464.07	38464.08	38482.03	38482.01	38482.02	
	ID FROM REPORT -->	F20GP02501	F20GP02601	F20GP02701	F20GP02901	F20GP03001	
	SAMPLE DATE ----->	05/10/99	05/10/99	05/11/99	05/11/99	05/11/99	
	DATE EXTRACTED -->	05/12/99	05/12/99	05/12/99	05/12/99	05/12/99	
	DATE ANALYZED --->	05/18/99	05/18/99	05/18/99	05/18/99	05/18/99	
	MATRIX ---------->	Water	Water	Water	Water	Water	
	UNITS ---------->	UG/L	UG/L	UG/L	UG/L	UG/L	
CAS #	Parameter	38464	38464	38464	38464	38464	
99-09-2	3-Nitroaniline	NR	NR	NR	NR	NR	
83-32-9	Acenaphthene	NR	NR	NR	NR	NR	
51-28-5	2,4-Dinitrophenol	NR	NR	NR	NR	NR	
100-02-7	4-Nitrophenol	NR	NR	NR	NR	NR	
132-64-9	Dibenzofuran	NR	NR	NR	NR	NR	
121-14-2	2,4-Dinitrotoluene	NR	NR	NR	NR	NR	
606-20-2	2,6-Dinitrotoluene	NR	NR	NR	NR	NR	
84-66-2	Diethylphthalate	NR	NR	NR	NR	NR	
7005-72-3	4-Chlorophenylphenylether	NR	NR	NR	NR	NR	
86-73-7	Fluorene	NR	NR	NR	NR	NR	
100-01-6	4-Nitroaniline	NR	NR	NR	NR	NR	
534-52-1	2-Methyl-4,6-Dinitrophenol	NR	NR	NR	NR	NR	
86-30-6	N-Nitrosodiphenylamine	NR	NR	NR	NR	NR	
101-55-3	4-Bromophenyl-phenylether	NR	NR	NR	NR	NR	
118-74-1	Hexachlorobenzene	NR	NR	NR	NR	NR	
87-86-5	Pentachlorophenol	NR	NR	NR	NR	NR	
85-01-8	Phenanthrene	NR	NR	NR	NR	NR	
120-12-7	Anthracene	NR	NR	NR	NR	NR	
84-74-2	Di-n-butylphthalate	NR	NR	NR	NR	NR	
206-44-0	Fluoranthene	NR	NR	NR	NR	NR	
129-00-0	Pyrene	NR	NR	NR	NR	NR	
85-68-7	Butylbenzylphthalate	NR	NR	NR	NR	NR	
91-94-1	3,3'-Dichlorobenzidine	NR	NR	NR	NR	NR	
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)	NR	NR	NR	NR	NR	
117-84-0	Di-n-octyl phthalate	NR	NR	NR	NR	NR	
50-32-8	Benzo(a)pyrene	NR	NR	NR	NR	NR	
193-39-5	Indeno(1,2,3-cd)pyrene	NR	NR	NR	NR	NR	
53-70-3	Dibenz(a,h)anthracene	NR	NR	NR	NR	NR	
191-24-2	Benzo(g,h,i)perylene	NR	NR	NR	NR	NR	

FDS CAR ADDENDUM
AREA 20
DPT GROUNDWATER RESULTS

SW-SVOA									
		SAMPLE ID ------->	F20-G-P031-01		F20-G-P032-01				
		ORIGINAL ID ----->	F20GP03101		F20GP03201				
		LAB SAMPLE ID --->	39154.03		39154.02				
		ID FROM REPORT -->	F20GP03101		F20GP03201				
		SAMPLE DATE ----->	06/24/99		06/24/99				
		DATE EXTRACTED -->	06/26/99		06/26/99				
		DATE ANALYZED --->	06/30/99		06/30/99				
		MATRIX ---------->	Water		Water				
		UNITS ---------->	UG/L		UG/L				
CAS #	Parameter		39154		39154				
108-95-2	Phenol		10.	U	0.6	JB			
111-44-4	bis(2-Chloroethyl)ether		10.	U	10.	U			
95-57-8	2-Chlorophenol		10.	U	10.	U			
541-73-1	1,3-Dichlorobenzene		10.	U	10.	U			
106-46-7	1,4-Dichlorobenzene		10.	U	10.	U			
100-51-6	Benzyl alcohol		10.	U	10.	U			
95-50-1	1,2-Dichlorobenzene		10.	U	10.	U			
95-48-7	2-Methylphenol (o-Cresol)		10.	U	10.	U			
108-60-1	2,2'-oxybis(1-Chloropropane)		10.	U	10.	U			
106-44-5	4-Methylphenol (p-Cresol)		10.	U	10.	U			
621-64-7	N-Nitroso-di-n-propylamine		10.	U	10.	U			
67-72-1	Hexachloroethane		10.	U	10.	U			
98-95-3	Nitrobenzene		10.	U	10.	U			
78-59-1	Isophorone		10.	U	10.	U			
88-75-5	2-Nitrophenol		10.	U	10.	U			
105-67-9	2,4-Dimethylphenol		10.	U	10.	U			
65-85-0	Benzoic acid		2.	J	1.	J			
111-91-1	bis(2-Chloroethoxy)methane		10.	U	10.	U			
120-83-2	2,4-Dichlorophenol		10.	U	10.	U			
120-82-1	1,2,4-Trichlorobenzene		10.	U	10.	U			
91-20-3	Naphthalene		10.	U	10.	U			
106-47-8	4-Chloroaniline		10.	U	10.	U			
87-68-3	Hexachlorobutadiene		10.	U	10.	U			
59-50-7	4-Chloro-3-methylphenol		10.	U	10.	U			
91-57-6	2-Methylnaphthalene		10.	U	10.	U			
77-47-4	Hexachlorocyclopentadiene		10.	U	10.	U			
88-06-2	2,4,6-Trichlorophenol		10.	U	10.	U			
95-95-4	2,4,5-Trichlorophenol		25.	U	25.	U			
91-58-7	2-Chloronaphthalene		10.	U	10.	U			
88-74-4	2-Nitroaniline		25.	U	25.	U			
131-11-3	Dimethyl phthalate		10.	U	10.	U			
208-96-8	Acenaphthylene		10.	U	10.	U			
99-09-2	3-Nitroaniline		25.	U	25.	U			
83-32-9	Acenaphthene		10.	U	10.	U			
51-28-5	2,4-Dinitrophenol		25.	U	25.	U			
100-02-7	4-Nitrophenol		25.	U	25.	U			

FDS CAR ADDENDUM
AREA 20
DPT GROUNDWATER RESULTS

SW-SVOA									
	SAMPLE ID ------->	F20-G-P031-01		F20-G-P032-01					
	ORIGINAL ID ----->	F20GP03101		F20GP03201					
	LAB SAMPLE ID --->	39154.03		39154.02					
	ID FROM REPORT -->	F20GP03101		F20GP03201					
	SAMPLE DATE ----->	06/24/99		06/24/99					
	DATE EXTRACTED -->	06/26/99		06/26/99					
	DATE ANALYZED --->	06/30/99		06/30/99					
	MATRIX ---------->	Water		Water					
	UNITS ---------->	UG/L		UG/L					
CAS #	Parameter	39154		39154					
132-64-9	Dibenzofuran	10.	U	10.	U				
121-14-2	2,4-Dinitrotoluene	10.	U	10.	U				
606-20-2	2,6-Dinitrotoluene	10.	U	10.	U				
84-66-2	Diethylphthalate	0.7	JB	0.6	JB				
7005-72-3	4-Chlorophenylphenylether	10.	U	10.	U				
86-73-7	Fluorene	0.8	J	10.	U				
100-01-6	4-Nitroaniline	25.	U	25.	U				
534-52-1	2-Methyl-4,6-Dinitrophenol	25.	U	25.	U				
86-30-6	N-Nitrosodiphenylamine	10.	U	10.	U				
101-55-3	4-Bromophenyl-phenylether	10.	U	10.	U				
118-74-1	Hexachlorobenzene	10.	U	10.	U				
87-86-5	Pentachlorophenol	25.	U	25.	U				
85-01-8	Phenanthrene	5.	J	10.	U				
120-12-7	Anthracene	2.	J	10.	U				
84-74-2	Di-n-butylphthalate	1.	J	0.5	J				
206-44-0	Fluoranthene	11.		10.	U				
129-00-0	Pyrene	10.	J	10.	U				
85-68-7	Butylbenzylphthalate	10.	U	10.	U				
91-94-1	3,3'-Dichlorobenzidine	10.	U	10.	U				
56-55-3	Benzo(a)anthracene	4.	J	10.	U				
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)	2.	JB	2.	JB				
218-01-9	Chrysene	5.	J	10.	U				
117-84-0	Di-n-octyl phthalate	10.	U	10.	U				
205-99-2	Benzo(b)fluoranthene	4.	J	10.	U				
207-08-9	Benzo(k)fluoranthene	3.	J	10.	U				
50-32-8	Benzo(a)pyrene	4.	J	10.	U				
193-39-5	Indeno(1,2,3-cd)pyrene	2.	J	10.	U				
53-70-3	Dibenz(a,h)anthracene	10.	U	10.	U				
191-24-2	Benzo(g,h,i)perylene	3.	J	10.	U				

FDS CAR ADDENDUM
AREA 20
DPT GROUNDWATER RESULTS

SW846-VOA																			
	SAMPLE ID ------->	F20-G-P001-01		F20-G-P002-01		F20-G-P003-01		F20-G-P004-01		F20-G-P005-01		F20-G-P006-01	
	ORIGINAL ID ----->	F20GP00101		F20GP00201		F20GP00301		F20GP00401		F20GP00501		F20GP00601	
	LAB SAMPLE ID --->	37297.08		37297.07		37297.06		37297.04		37297.03		37297.05	
	ID FROM REPORT -->	F20GP00101		F20GP00201		F20GP00301		F20GP00401		F20GP00501		F20GP00601	
	SAMPLE DATE ----->	01/29/99		01/29/99		01/29/99		01/29/99		01/29/99		01/29/99	
	DATE ANALYZED --->	02/04/99		02/02/99		02/02/99		02/02/99		02/02/99		02/02/99	
	MATRIX ---------->	Water		Water		Water		Water		Water		Water	
	UNITS ---------->	UG/L		UG/L		UG/L		UG/L		UG/L		UG/L	
CAS #	Parameter	37297		37297		37297		37297		37297		37297	
71-43-2	Benzene	5.	U	5.	U	5.	U	5.	U	2.	J	5.	U
100-41-4	Ethylbenzene	5.	U	5.	U	5.	U	5.	U	5.	J	5.	U
108-88-3	Toluene	5.	U	5.	U	5.	U	5.	U	4.	J	5.	U
1330-20-7	Xylene (Total)	5.	U	5.	U	5.	U	5.	U	21.		5.	U
74-87-3	Chloromethane	NR		NR		NR		NR		NR		NR	
74-83-9	Bromomethane	NR		NR		NR		NR		NR		NR	
75-01-4	Vinyl chloride	NR		NR		NR		NR		NR		NR	
75-00-3	Chloroethane	NR		NR		NR		NR		NR		NR	
75-09-2	Methylene chloride	NR		NR		NR		NR		NR		NR	
67-64-1	Acetone	NR		NR		NR		NR		NR		NR	
75-15-0	Carbon disulfide	NR		NR		NR		NR		NR		NR	
75-35-4	1,1-Dichloroethene	NR		NR		NR		NR		NR		NR	
75-34-3	1,1-Dichloroethane	NR		NR		NR		NR		NR		NR	
540-59-0	1,2-Dichloroethene (total)	NR		NR		NR		NR		NR		NR	
67-66-3	Chloroform	NR		NR		NR		NR		NR		NR	
107-06-2	1,2-Dichloroethane	NR		NR		NR		NR		NR		NR	
78-93-3	2-Butanone (MEK)	NR		NR		NR		NR		NR		NR	
71-55-6	1,1,1-Trichloroethane	NR		NR		NR		NR		NR		NR	
56-23-5	Carbon tetrachloride	NR		NR		NR		NR		NR		NR	
108-05-4	Vinyl acetate	NR		NR		NR		NR		NR		NR	
75-27-4	Bromodichloromethane	NR		NR		NR		NR		NR		NR	
78-87-5	1,2-Dichloropropane	NR		NR		NR		NR		NR		NR	
10061-01-5	cis-1,3-Dichloropropene	NR		NR		NR		NR		NR		NR	
79-01-6	Trichloroethene	NR		NR		NR		NR		NR		NR	
124-48-1	Dibromochloromethane	NR		NR		NR		NR		NR		NR	
79-00-5	1,1,2-Trichloroethane	NR		NR		NR		NR		NR		NR	
10061-02-6	trans-1,3-Dichloropropene	NR		NR		NR		NR		NR		NR	
75-25-2	Bromoform	NR		NR		NR		NR		NR		NR	
108-10-1	4-Methyl-2-Pentanone (MIBK)	NR		NR		NR		NR		NR		NR	
591-78-6	2-Hexanone	NR		NR		NR		NR		NR		NR	
127-18-4	Tetrachloroethene	NR		NR		NR		NR		NR		NR	
79-34-5	1,1,2,2-Tetrachloroethane	NR		NR		NR		NR		NR		NR	
108-90-7	Chlorobenzene	NR		NR		NR		NR		NR		NR	
100-42-5	Styrene	NR		NR		NR		NR		NR		NR	
110-75-8	2-Chloroethyl vinyl ether	NR		NR		NR		NR		NR		NR	

FDS CAR ADDENDUM
AREA 20
DPT GROUNDWATER RESULTS

SW846-VOA																			
	SAMPLE ID ------->	F20-G-P008-01		F20-G-P018-01		F20-G-P019-01		F20-G-P020-01		F20-G-P022-01		F20-G-P024-01	
	ORIGINAL ID ----->	F20GP00801		F20GP01801		F20GP01901		F20GP02001		F20GP02201		F20GP02401	
	LAB SAMPLE ID --->	37297.02		38434.03		38434.02		38434.01		38464.05		38464.06	
	ID FROM REPORT -->	F20GP00801		F20GP01801		F20GP01901		F20GP02001		F20GP02201		F20GP02401	
	SAMPLE DATE ----->	01/29/99		05/07/99		05/07/99		05/07/99		05/10/99		05/10/99	
	DATE ANALYZED --->	02/02/99		05/13/99		05/13/99		05/13/99		05/15/99		05/15/99	
	MATRIX ---------->	Water		Water		Water		Water		Water		Water	
	UNITS ---------->	UG/L		UG/L		UG/L		UG/L		UG/L		UG/L	
CAS #	Parameter	37297		38434		38434		38434		38464		38464	
71-43-2	Benzene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
100-41-4	Ethylbenzene	5.		5.	U	5.	U	5.	U	5.	U	5.	U
108-88-3	Toluene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
1330-20-7	Xylene (Total)	10.		5.	U	5.	U	5.	U	5.	U	4.	J
74-87-3	Chloromethane	NR		NR		NR		NR		NR		NR	
74-83-9	Bromomethane	NR		NR		NR		NR		NR		NR	
75-01-4	Vinyl chloride	NR		NR		NR		NR		NR		NR	
75-00-3	Chloroethane	NR		NR		NR		NR		NR		NR	
75-09-2	Methylene chloride	NR		NR		NR		NR		NR		NR	
67-64-1	Acetone	NR		NR		NR		NR		NR		NR	
75-15-0	Carbon disulfide	NR		NR		NR		NR		NR		NR	
75-35-4	1,1-Dichloroethene	NR		NR		NR		NR		NR		NR	
75-34-3	1,1-Dichloroethane	NR		NR		NR		NR		NR		NR	
540-59-0	1,2-Dichloroethene (total)	NR		NR		NR		NR		NR		NR	
67-66-3	Chloroform	NR		NR		NR		NR		NR		NR	
107-06-2	1,2-Dichloroethane	NR		NR		NR		NR		NR		NR	
78-93-3	2-Butanone (MEK)	NR		NR		NR		NR		NR		NR	
71-55-6	1,1,1-Trichloroethane	NR		NR		NR		NR		NR		NR	
56-23-5	Carbon tetrachloride	NR		NR		NR		NR		NR		NR	
108-05-4	Vinyl acetate	NR		NR		NR		NR		NR		NR	
75-27-4	Bromodichloromethane	NR		NR		NR		NR		NR		NR	
78-87-5	1,2-Dichloropropane	NR		NR		NR		NR		NR		NR	
10061-01-5	cis-1,3-Dichloropropene	NR		NR		NR		NR		NR		NR	
79-01-6	Trichloroethene	NR		NR		NR		NR		NR		NR	
124-48-1	Dibromochloromethane	NR		NR		NR		NR		NR		NR	
79-00-5	1,1,2-Trichloroethane	NR		NR		NR		NR		NR		NR	
10061-02-6	trans-1,3-Dichloropropene	NR		NR		NR		NR		NR		NR	
75-25-2	Bromoform	NR		NR		NR		NR		NR		NR	
108-10-1	4-Methyl-2-Pentanone (MIBK)	NR		NR		NR		NR		NR		NR	
591-78-6	2-Hexanone	NR		NR		NR		NR		NR		NR	
127-18-4	Tetrachloroethene	NR		NR		NR		NR		NR		NR	
79-34-5	1,1,2,2-Tetrachloroethane	NR		NR		NR		NR		NR		NR	
108-90-7	Chlorobenzene	NR		NR		NR		NR		NR		NR	
100-42-5	Styrene	NR		NR		NR		NR		NR		NR	
110-75-8	2-Chloroethyl vinyl ether	NR		NR		NR		NR		NR		NR	

FDS CAR ADDENDUM
AREA 20
DPT GROUNDWATER RESULTS

SW846-VOA																							
	SAMPLE ID ------->	F20-G-P025-01			F20-G-P026-01			F20-G-P027-01			F20-G-P028-01			F20-G-P029-01			F20-G-P030-01		
	ORIGINAL ID ----->	F20GP02501			F20GP02601			F20GP02701			F20GP02801			F20GP02901			F20GP03001		
	LAB SAMPLE ID --->	38464.07			38464.08			38482.03			38482.04			38482.01			38482.02		
	ID FROM REPORT -->	F20GP02501			F20GP02601			F20GP02701			F20GP02801			F20GP02901			F20GP03001		
	SAMPLE DATE ----->	05/10/99			05/10/99			05/11/99			05/11/99			05/11/99			05/11/99		
	DATE ANALYZED --->	05/16/99			05/16/99			05/16/99			05/16/99			05/16/99			05/16/99		
	MATRIX ---------->	Water			Water			Water			Water			Water			Water		
	UNITS ---------->	UG/L			UG/L			UG/L			UG/L			UG/L			UG/L		
CAS #	Parameter	38464			38464			38464			38464			38464			38464		
71-43-2	Benzene	5.	U		5.	U		5.	U		5.	U		5.	U		5.	U	
100-41-4	Ethylbenzene	5.	U		5.	U		5.	U		5.	U		5.	U		5.	U	
108-88-3	Toluene	5.	U		5.	U		5.	U		5.	U		5.	U		5.	U	
1330-20-7	Xylene (Total)	5.	U		5.	U		5.	U		5.	U		5.	U		5.	U	
74-87-3	Chloromethane	NR			NR			NR			NR			NR			NR		
74-83-9	Bromomethane	NR			NR			NR			NR			NR			NR		
75-01-4	Vinyl chloride	NR			NR			NR			NR			NR			NR		
75-00-3	Chloroethane	NR			NR			NR			NR			NR			NR		
75-09-2	Methylene chloride	NR			NR			NR			NR			NR			NR		
67-64-1	Acetone	NR			NR			NR			NR			NR			NR		
75-15-0	Carbon disulfide	NR			NR			NR			NR			NR			NR		
75-35-4	1,1-Dichloroethene	NR			NR			NR			NR			NR			NR		
75-34-3	1,1-Dichloroethane	NR			NR			NR			NR			NR			NR		
540-59-0	1,2-Dichloroethene (total)	NR			NR			NR			NR			NR			NR		
67-66-3	Chloroform	NR			NR			NR			NR			NR			NR		
107-06-2	1,2-Dichloroethane	NR			NR			NR			NR			NR			NR		
78-93-3	2-Butanone (MEK)	NR			NR			NR			NR			NR			NR		
71-55-6	1,1,1-Trichloroethane	NR			NR			NR			NR			NR			NR		
56-23-5	Carbon tetrachloride	NR			NR			NR			NR			NR			NR		
108-05-4	Vinyl acetate	NR			NR			NR			NR			NR			NR		
75-27-4	Bromodichloromethane	NR			NR			NR			NR			NR			NR		
78-87-5	1,2-Dichloropropane	NR			NR			NR			NR			NR			NR		
10061-01-5	cis-1,3-Dichloropropene	NR			NR			NR			NR			NR			NR		
79-01-6	Trichloroethene	NR			NR			NR			NR			NR			NR		
124-48-1	Dibromochloromethane	NR			NR			NR			NR			NR			NR		
79-00-5	1,1,2-Trichloroethane	NR			NR			NR			NR			NR			NR		
10061-02-6	trans-1,3-Dichloropropene	NR			NR			NR			NR			NR			NR		
75-25-2	Bromoform	NR			NR			NR			NR			NR			NR		
108-10-1	4-Methyl-2-Pentanone (MIBK)	NR			NR			NR			NR			NR			NR		
591-78-6	2-Hexanone	NR			NR			NR			NR			NR			NR		
127-18-4	Tetrachloroethene	NR			NR			NR			NR			NR			NR		
79-34-5	1,1,2,2-Tetrachloroethane	NR			NR			NR			NR			NR			NR		
108-90-7	Chlorobenzene	NR			NR			NR			NR			NR			NR		
100-42-5	Styrene	NR			NR			NR			NR			NR			NR		
110-75-8	2-Chloroethyl vinyl ether	NR			NR			NR			NR			NR			NR		

FDS CAR ADDENDUM
AREA 20
DPT GROUNDWATER RESULTS

SW846-VOA	SAMPLE ID ------->	F20-G-P031-01	F20-G-P032-01	F20-G-P033-01			
	ORIGINAL ID ----->	F20GP03101	F20GP03201	F20GP03301			
	LAB SAMPLE ID --->	39154.03	39154.02	39154.04			
	ID FROM REPORT -->	F20GP03101	F20GP03201	F20GP03301			
	SAMPLE DATE ----->	06/24/99	06/24/99	06/24/99			
	DATE ANALYZED --->	07/07/99	07/07/99	07/07/99			
	MATRIX ---------->	Water	Water	Water			
	UNITS ---------->	UG/L	UG/L	UG/L			
CAS #	Parameter	39154	39154	39154			
71-43-2	Benzene	5. U	5. U	5. U			
100-41-4	Ethylbenzene	5. U	5. U	5. U			
108-88-3	Toluene	5. U	5. U	5. U			
1330-20-7	Xylene (Total)	5. U	5. U	5. U			
74-87-3	Chloromethane	NR	NR	NR			
74-83-9	Bromomethane	NR	NR	NR			
75-01-4	Vinyl chloride	NR	NR	NR			
75-00-3	Chloroethane	NR	NR	NR			
75-09-2	Methylene chloride	NR	NR	NR			
67-64-1	Acetone	NR	NR	NR			
75-15-0	Carbon disulfide	NR	NR	NR			
75-35-4	1,1-Dichloroethene	NR	NR	NR			
75-34-3	1,1-Dichloroethane	NR	NR	NR			
540-59-0	1,2-Dichloroethene (total)	NR	NR	NR			
67-66-3	Chloroform	NR	NR	NR			
107-06-2	1,2-Dichloroethane	NR	NR	NR			
78-93-3	2-Butanone (MEK)	NR	NR	NR			
71-55-6	1,1,1-Trichloroethane	NR	NR	NR			
56-23-5	Carbon tetrachloride	NR	NR	NR			
108-05-4	Vinyl acetate	NR	NR	NR			
75-27-4	Bromodichloromethane	NR	NR	NR			
78-87-5	1,2-Dichloropropane	NR	NR	NR			
10061-01-5	cis-1,3-Dichloropropene	NR	NR	NR			
79-01-6	Trichloroethene	NR	NR	NR			
124-48-1	Dibromochloromethane	NR	NR	NR			
79-00-5	1,1,2-Trichloroethane	NR	NR	NR			
10061-02-6	trans-1,3-Dichloropropene	NR	NR	NR			
75-25-2	Bromoform	NR	NR	NR			
108-10-1	4-Methyl-2-Pentanone (MIBK)	NR	NR	NR			
591-78-6	2-Hexanone	NR	NR	NR			
127-18-4	Tetrachloroethene	NR	NR	NR			
79-34-5	1,1,2,2-Tetrachloroethane	NR	NR	NR			
108-90-7	Chlorobenzene	NR	NR	NR			
100-42-5	Styrene	NR	NR	NR			
110-75-8	2-Chloroethyl vinyl ether	NR	NR	NR			

FDS CAR ADDENDUM
AREA 20
MONITORING WELL RESULTS

SW846VOA													
	SAMPLE ID ------->	FDS-G-W20A-01		FDS-H-W20A-01		FDS-G-W20B-01		FDS-G-W20C-01		FDS-G-W20D-01		FDS-G-W20E-01	
	ORIGINAL ID ----->	FDSGW20A01		FDSHW20A01		FDSGW20B01		FDSGW20C01		FDSGW20D01		FDSGW20E01	
	LAB SAMPLE ID --->	41268.01		41268.04		41268.03		41314.01		41314.03		41314.04	
	ID FROM REPORT -->	FDSGW20A01		FDSHW20A01		FDSGW20B01		FDSGW20C01		FDSGW20D01		FDSGW20E01	
	SAMPLE DATE ----->	12/01/99		12/01/99		12/01/99		12/02/99		12/02/99		12/02/99	
	DATE ANALYZED --->	12/03/99		12/03/99		12/03/99		12/06/99		12/06/99		12/06/99	
	MATRIX ---------->	Water		Water		Water		Water		Water		Water	
	UNITS ---------->	UG/L		UG/L		UG/L		UG/L		UG/L		UG/L	
CAS #	Parameter	41268	VAL	41268	VAL	41268	VAL	41314	VAL	41314	VAL	41314	VAL
71-43-2	Benzene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
106-93-4	1, 2-Dibromoethane	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
100-41-4	Ethylbenzene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
108-88-3	Toluene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
1634-04-4	Methyl tert-butyl ether	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
1330-20-7	Xylene (Total)	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U

*** Validation Complete ***

FDS CAR ADDENDUM
AREA 20
MONITORING WELL RESULTS

SW846VOA

SAMPLE ID -------->	FDS-G-W20F-01
ORIGINAL ID ----->	FDSGW20F01
LAB SAMPLE ID --->	41314.05
ID FROM REPORT -->	FDSGW20F01
SAMPLE DATE ----->	12/02/99
DATE ANALYZED --->	12/06/99
MATRIX ---------->	Water
UNITS ---------->	UG/L

CAS #	Parameter	41314	VAL
71-43-2	Benzene	5.	U
106-93-4	1, 2-Dibromoethane	5.	U
100-41-4	Ethylbenzene	5.	U
108-88-3	Toluene	5.	U
1634-04-4	Methyl tert-butyl ether	5.	U
1330-20-7	Xylene (Total)	5.	U

*** Validation Complete ***

FDS CAR ADDENDUM
AREA 20
MONITORING WELL RESULTS

SW-SVOA											
	SAMPLE ID ------->	FDS-G-W20A-01		FDS-H-W20A-01		FDS-G-W20B-01					
	ORIGINAL ID ----->	FDSGW20A01		FDSHW20A01		FDSGW20B01					
	LAB SAMPLE ID --->	41268.01		41268.04		41268.03					
	ID FROM REPORT -->	FDSGW20A01		FDSHW20A01		FDSGW20B01					
	SAMPLE DATE ----->	12/01/99		12/01/99		12/01/99					
	DATE EXTRACTED -->	12/03/99		12/03/99		12/03/99					
	DATE ANALYZED --->	12/06/99		12/08/99		12/06/99					
	MATRIX ---------->	Water		Water		Water					
	UNITS ---------->	UG/L		UG/L		UG/L					
CAS #	Parameter	41268	VAL	41268	VAL	41268	VAL				
108-95-2	Phenol	10.	U	1.	J	10.	U				
111-44-4	bis(2-Chloroethyl)ether	10.	U	10.	U	10.	U				
95-57-8	2-Chlorophenol	10.	U	10.	U	10.	U				
541-73-1	1,3-Dichlorobenzene	10.	U	10.	U	10.	U				
106-46-7	1,4-Dichlorobenzene	10.	U	10.	U	10.	U				
100-51-6	Benzyl alcohol	10.	U	10.	U	10.	U				
95-50-1	1,2-Dichlorobenzene	10.	U	10.	U	10.	U				
95-48-7	2-Methylphenol (o-Cresol)	10.	U	10.	U	10.	U				
108-60-1	2,2'-oxybis(1-Chloropropane)	10.	U	10.	U	10.	U				
106-44-5	4-Methylphenol (p-Cresol)	10.	U	10.	U	1.	J				
621-64-7	N-Nitroso-di-n-propylamine	10.	U	10.	U	10.	U				
67-72-1	Hexachloroethane	10.	U	10.	U	10.	U				
98-95-3	Nitrobenzene	10.	U	10.	U	10.	U				
78-59-1	Isophorone	10.	U	10.	U	10.	U				
88-75-5	2-Nitrophenol	10.	U	10.	U	10.	U				
105-67-9	2,4-Dimethylphenol	10.	U	10.	U	10.	U				
65-85-0	Benzoic acid	2.	J	1.	J	2.	J				
111-91-1	bis(2-Chloroethoxy)methane	10.	U	10.	U	10.	U				
120-83-2	2,4-Dichlorophenol	10.	U	10.	U	10.	U				
120-82-1	1,2,4-Trichlorobenzene	10.	U	10.	U	10.	U				
91-20-3	Naphthalene	10.	U	10.	U	10.	U				
106-47-8	4-Chloroaniline	10.	U	10.	U	10.	U				
87-68-3	Hexachlorobutadiene	10.	U	10.	U	10.	U				
59-50-7	4-Chloro-3-methylphenol	10.	U	1.	J	10.	U				
91-57-6	2-Methylnaphthalene	3.	J	3.	J	10.	U				
77-47-4	Hexachlorocyclopentadiene	10.	U	10.	U	10.	U				
88-06-2	2,4,6-Trichlorophenol	10.	U	10.	U	10.	U				
95-95-4	2,4,5-Trichlorophenol	25.	U	25.	U	25.	U				
91-58-7	2-Chloronaphthalene	10.	U	10.	U	10.	U				
88-74-4	2-Nitroaniline	25.	U	25.	U	25.	U				
131-11-3	Dimethyl phthalate	10.	U	10.	U	10.	U				
208-96-8	Acenaphthylene	10.	U	10.	U	10.	U				
99-09-2	3-Nitroaniline	25.	U	25.	U	25.	U				
83-32-9	Acenaphthene	2.	J	2.	J	10.	U				
51-28-5	2,4-Dinitrophenol	25.	U	25.	U	25.	U				
100-02-7	4-Nitrophenol	25.	U	25.	U	25.	U				

*** Validation Complete ***

FDS CAR ADDENDUM
AREA 20
MONITORING WELL RESULTS

SW-SVOA										
	SAMPLE ID ------->	FDS-G-W20A-01		FDS-H-W20A-01		FDS-G-W20B-01				
	ORIGINAL ID ----->	FDSGW20A01		FDSHW20A01		FDSGW20B01				
	LAB SAMPLE ID --->	41268.01		41268.04		41268.03				
	ID FROM REPORT -->	FDSGW20A01		FDSHW20A01		FDSGW20B01				
	SAMPLE DATE ----->	12/01/99		12/01/99		12/01/99				
	DATE EXTRACTED -->	12/03/99		12/03/99		12/03/99				
	DATE ANALYZED --->	12/06/99		12/08/99		12/06/99				
	MATRIX ---------->	Water		Water		Water				
	UNITS ---------->	UG/L		UG/L		UG/L				
CAS #	Parameter	41268	VAL	41268	VAL	41268	VAL			
132-64-9	Dibenzofuran	10.	U	10.	U	10.	U			
121-14-2	2,4-Dinitrotoluene	10.	U	10.	U	10.	U			
606-20-2	2,6-Dinitrotoluene	10.	U	10.	U	10.	U			
84-66-2	Diethylphthalate	10.	U	1.	J	10.	U			
7005-72-3	4-Chlorophenylphenylether	10.	U	10.	U	10.	U			
86-73-7	Fluorene	10.	U	10.	U	10.	U			
100-01-6	4-Nitroaniline	25.	U	25.	U	25.	U			
534-52-1	2-Methyl-4,6-Dinitrophenol	25.	U	25.	U	25.	U			
86-30-6	N-Nitrosodiphenylamine	10.	U	10.	U	10.	U			
101-55-3	4-Bromophenyl-phenylether	10.	U	10.	U	10.	U			
118-74-1	Hexachlorobenzene	10.	U	10.	U	10.	U			
87-86-5	Pentachlorophenol	25.	U	25.	U	25.	U			
85-01-8	Phenanthrene	10.	U	1.	J	1.	J			
120-12-7	Anthracene	1.	J	10.	U	10.	U			
84-74-2	Di-n-butylphthalate	1.	J	1.	J	1.	J			
206-44-0	Fluoranthene	10.	U	10.	U	10.	U			
129-00-0	Pyrene	10.	U	1.	J	10.	U			
85-68-7	Butylbenzylphthalate	10.	U	10.	U	10.	U			
91-94-1	3,3'-Dichlorobenzidine	10.	U	10.	U	10.	U			
56-55-3	Benzo(a)anthracene	10.	U	10.	U	10.	U			
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)	10.	U	10.	U	10.	U			
218-01-9	Chrysene	10.	U	10.	U	10.	U			
117-84-0	Di-n-octyl phthalate	10.	U	10.	U	10.	U			
205-99-2	Benzo(b)fluoranthene	10.	U	10.	U	10.	U			
207-08-9	Benzo(k)fluoranthene	10.	U	10.	U	10.	U			
50-32-8	Benzo(a)pyrene	10.	U	10.	U	10.	U			
193-39-5	Indeno(1,2,3-cd)pyrene	10.	U	10.	U	10.	U			
53-70-3	Dibenz(a,h)anthracene	10.	U	10.	U	10.	U			
191-24-2	Benzo(g,h,i)perylene	10.	U	10.	U	10.	U			

*** Validation Complete ***

FDS CAR ADDENDUM
AREA 20
MONITORING WELL RESULTS

SW846SVOA									
	SAMPLE ID ------->	FDS-G-W20C-01		FDS-G-W20D-01		FDS-G-W20E-01		FDS-G-W20F-01	
	ORIGINAL ID ----->	FDSGW20C01		FDSGW20D01		FDSGW20E01		FDSGW20F01	
	LAB SAMPLE ID --->	41314.01		41314.03		41314.04		41314.05	
	ID FROM REPORT -->	FDSGW20C01		FDSGW20D01		FDSGW20E01		FDSGW20F01	
	SAMPLE DATE ----->	12/02/99		12/02/99		12/02/99		12/02/99	
	DATE EXTRACTED -->	12/05/99		12/05/99		12/05/99		12/05/99	
	DATE ANALYZED --->	12/08/99		12/08/99		12/08/99		12/08/99	
	MATRIX ---------->	Water		Water		Water		Water	
	UNITS ---------->	UG/L		UG/L		UG/L		UG/L	
CAS #	Parameter	41314	VAL	41314	VAL	41314	VAL	41314	VAL
108-95-2	Phenol	10.	U	10.	U	10.	U	10.	U
111-44-4	bis(2-Chloroethyl)ether	10.	U	10.	U	10.	U	10.	U
95-57-8	2-Chlorophenol	10.	U	10.	U	10.	U	10.	U
541-73-1	1,3-Dichlorobenzene	10.	U	10.	U	10.	U	10.	U
106-46-7	1,4-Dichlorobenzene	10.	U	10.	U	10.	U	10.	U
100-51-6	Benzyl alcohol	10.	U	10.	U	10.	U	10.	U
95-50-1	1,2-Dichlorobenzene	10.	U	10.	U	10.	U	10.	U
95-48-7	2-Methylphenol (o-Cresol)	10.	U	10.	U	10.	U	10.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10.	U	10.	U	10.	U	10.	U
106-44-5	4-Methylphenol (p-Cresol)	1.	J	10.	U	8.	J	10.	U
621-64-7	N-Nitroso-di-n-propylamine	10.	U	10.	U	10.	U	10.	U
67-72-1	Hexachloroethane	10.	U	10.	U	10.	U	10.	U
98-95-3	Nitrobenzene	10.	U	10.	U	10.	U	10.	U
78-59-1	Isophorone	10.	U	10.	U	10.	U	10.	U
88-75-5	2-Nitrophenol	10.	U	10.	U	10.	U	10.	U
105-67-9	2,4-Dimethylphenol	10.	U	10.	U	10.	U	10.	U
65-85-0	Benzoic acid	1.	J	1.	J	4.	J	10.	U
111-91-1	bis(2-Chloroethoxy)methane	10.	U	10.	U	10.	U	10.	U
120-83-2	2,4-Dichlorophenol	10.	U	10.	U	10.	U	10.	U
120-82-1	1,2,4-Trichlorobenzene	10.	U	10.	U	10.	U	10.	U
91-20-3	Naphthalene	1.	J	10.	U	10.	U	10.	U
106-47-8	4-Chloroaniline	10.	U	10.	U	10.	U	10.	U
87-68-3	Hexachlorobutadiene	10.	U	10.	U	10.	U	10.	U
59-50-7	4-Chloro-3-methylphenol	10.	U	10.	U	10.	U	10.	U
91-57-6	2-Methylnaphthalene	2.	J	10.	U	10.	U	10.	U
77-47-4	Hexachlorocyclopentadiene	10.	U	10.	U	10.	U	10.	U
88-06-2	2,4,6-Trichlorophenol	10.	U	10.	U	10.	U	10.	U
95-95-4	2,4,5-Trichlorophenol	25.	U	25.	U	25.	U	25.	U
91-58-7	2-Chloronaphthalene	10.	U	10.	U	10.	U	10.	U
88-74-4	2-Nitroaniline	25.	U	25.	U	25.	U	25.	U
131-11-3	Dimethyl phthalate	10.	U	10.	U	10.	U	10.	U
208-96-8	Acenaphthylene	10.	U	10.	U	10.	U	10.	U
99-09-2	3-Nitroaniline	25.	U	25.	U	25.	U	25.	U
83-32-9	Acenaphthene	5.	J	10.	U	1.	J	2.	J
51-28-5	2,4-Dinitrophenol	25.	U	25.	U	25.	U	25.	U
100-02-7	4-Nitrophenol	1.	J	25.	U	25.	U	25.	U

*** Validation Complete ***

FDS CAR ADDENDUM
AREA 20
MONITORING WELL RESULTS

SW846SVOA											
	SAMPLE ID ------->	FDS-G-W20C-01		FDS-G-W20D-01		FDS-G-W20E-01		FDS-G-W20F-01			
	ORIGINAL ID ----->	FDSGW20C01		FDSGW20D01		FDSGW20E01		FDSGW20F01			
	LAB SAMPLE ID --->	41314.01		41314.03		41314.04		41314.05			
	ID FROM REPORT -->	FDSGW20C01		FDSGW20D01		FDSGW20E01		FDSGW20F01			
	SAMPLE DATE ----->	12/02/99		12/02/99		12/02/99		12/02/99			
	DATE EXTRACTED -->	12/05/99		12/05/99		12/05/99		12/05/99			
	DATE ANALYZED --->	12/08/99		12/08/99		12/08/99		12/08/99			
	MATRIX ---------->	Water		Water		Water		Water			
	UNITS ---------->	UG/L		UG/L		UG/L		UG/L			
CAS #	Parameter	41314	VAL	41314	VAL	41314	VAL	41314	VAL		
132-64-9	Dibenzofuran	2.	J	10.	U	10.	U	10.	U		
121-14-2	2,4-Dinitrotoluene	10.	U	10.	U	10.	U	10.	U		
606-20-2	2,6-Dinitrotoluene	10.	U	10.	U	10.	U	10.	U		
84-66-2	Diethylphthalate	10.	U	10.	U	10.	U	10.	U		
7005-72-3	4-Chlorophenylphenylether	10.	U	10.	U	10.	U	10.	U		
86-73-7	Fluorene	4.	J	10.	U	10.	U	1.	J		
100-01-6	4-Nitroaniline	25.	U	25.	U	25.	U	25.	U		
534-52-1	2-Methyl-4,6-Dinitrophenol	25.	U	25.	U	25.	U	25.	U		
86-30-6	N-Nitrosodiphenylamine	10.	U	10.	U	10.	U	10.	U		
101-55-3	4-Bromophenyl-phenylether	10.	U	10.	U	10.	U	10.	U		
118-74-1	Hexachlorobenzene	10.	U	10.	U	10.	U	10.	U		
87-86-5	Pentachlorophenol	1.	J	25.	U	25.	U	25.	U		
85-01-8	Phenanthrene	7.	J	10.	U	2.	J	10.	U		
120-12-7	Anthracene	1.	J	10.	U	10.	U	10.	U		
84-74-2	Di-n-butylphthalate	0.6	J	1.	J	10.	U	10.	U		
206-44-0	Fluoranthene	1.	J	10.	U	10.	U	10.	U		
129-00-0	Pyrene	1.	J	10.	U	10.	U	10.	U		
85-68-7	Butylbenzylphthalate	10.	U	10.	U	10.	U	10.	U		
91-94-1	3,3'-Dichlorobenzidine	10.	U	10.	U	10.	U	10.	U		
56-55-3	Benzo(a)anthracene	10.	U	10.	U	10.	U	10.	U		
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)	10.	U	10.	U	16.	U	10.	U		
218-01-9	Chrysene	10.	U	10.	U	10.	U	10.	U		
117-84-0	Di-n-octyl phthalate	10.	U	10.	U	10.	U	10.	U		
205-99-2	Benzo(b)fluoranthene	10.	U	10.	U	10.	U	10.	U		
207-08-9	Benzo(k)fluoranthene	10.	U	10.	U	10.	U	10.	U		
50-32-8	Benzo(a)pyrene	10.	U	10.	U	10.	U	10.	U		
193-39-5	Indeno(1,2,3-cd)pyrene	10.	UJ	10.	UJ	10.	UJ	10.	UJ		
53-70-3	Dibenz(a,h)anthracene	10.	UJ	10.	UJ	10.	UJ	10.	UJ		
191-24-2	Benzo(g,h,i)perylene	10.	UJ	10.	UJ	10.	UJ	10.	UJ		

*** Validation Complete ***

FDS CAR ADDENDUM
AREA 20
MONITORING WELL RESULTS

SW846META													
	SAMPLE ID ------->	FDS-G-W20A-01		FDS-H-W20A-01		FDS-G-W20B-01		FDS-G-W20C-01		FDS-G-W20D-01		FDS-G-W20E-01	
	ORIGINAL ID ----->	FDSGW20A01		FDSHW20A01		FDSGW20B01		FDSGW20C01		FDSGW20D01		FDSGW20E01	
	LAB SAMPLE ID --->	41268.01		41268.04		41268.03		41314.01		41314.03		41314.04	
	ID FROM REPORT -->	FDSGW20A01		FDSHW20A01		FDSGW20B01		FDSGW20CD1		FDSGW20D01		FDSGW20E01	
	SAMPLE DATE ----->	12/01/99		12/01/99		12/01/99		12/02/99		12/02/99		12/02/99	
	DATE EXTRACTED -->	12/06/99		12/06/99		12/06/99		12/06/99		12/06/99		12/06/99	
	DATE ANALYZED --->	12/07/99		12/07/99		12/07/99		12/06/99		12/06/99		12/06/99	
	MATRIX ---------->	Water		Water		Water		Water		Water		Water	
	UNITS ---------->	UG/L		UG/L		UG/L		UG/L		UG/L		UG/L	
CAS #	Parameter	41268	VAL	41268	VAL	41268	VAL	41314	VAL	41314	VAL	41314	VAL
7439-97-6	Mercury (Hg)	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
7440-38-2	Arsenic (As)	3.3	U	5.5	J	11.3		13.4		3.7	J	15.8	
7440-39-3	Barium (Ba)	93.3		95.8		142.		428.		79.3		146.	
7440-43-9	Cadmium (Cd)	0.46	U	0.3	U	0.3	U	1.2	J	0.36	J	0.89	J
7440-47-3	Chromium (Cr)	1.1	J	1.2	J	2.	J	3.9	J	2.6	J	2.4	J
7439-92-1	Lead (Pb)	2.1	U	2.1	U	2.2	J	3.1		2.1	U	2.1	U
7782-49-2	Selenium (Se)	2.9	U	2.9	U	2.9	U	2.9	U	2.9	U	2.9	U
7440-22-4	Silver (Ag)	2.	U	2.	U	2.	U	2.	U	2.	U	2.	U

*** Validation Complete ***

FDS CAR ADDENDUM
AREA 20
MONITORING WELL RESULTS

SW846META

SAMPLE ID ------->	FDS-G-W20F-01
ORIGINAL ID ----->	FDSGW20F01
LAB SAMPLE ID --->	41314.05
ID FROM REPORT -->	FDSGW20F01
SAMPLE DATE ----->	12/02/99
DATE EXTRACTED -->	12/06/99
DATE ANALYZED --->	12/06/99
MATRIX ---------->	Water
UNITS ----------->	UG/L

CAS #	Parameter	41314	VAL
7439-97-6	Mercury (Hg)	0.1	U
7440-38-2	Arsenic (As)	3.3	U
7440-39-3	Barium (Ba)	45.4	
7440-43-9	Cadmium (Cd)	0.3	U
7440-47-3	Chromium (Cr)	0.56	J
7439-92-1	Lead (Pb)	2.1	U
7782-49-2	Selenium (Se)	2.9	U
7440-22-4	Silver (Ag)	2.	U

*** Validation Complete ***