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SITE ASSESSMENT ADDENDUM FOR BUILDING 7153 MCCOY ANNEX NTC ORLANDO FL
4/24/1998
ABB ENVIRONMENTAL

ABB

264

April 24, 1998

Document No.: 2530.069

Mr. John Mitchell
Remedial Project Manager
State of Florida
Department of Environmental Protection
Twin Towers Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

**Subject:** **Site Assessment Report Addendum**
**Building 7153, McCoy Annex**
**Naval Training Center, Orlando, Florida**
**CTO 107, Contract No.: N62467-89-D-0317**

Dear Mr. Mitchell:

This Site Assessment Report Addendum for Building 7153 has been completed to address comments generated by the Florida Department of Environmental Protection (FDEP) concerning the Contamination Assessment Report (CAR) for Building 7153 dated September 1997. FDEP comments were outlined in a letter from FDEP dated October 30, 1997 (Attachment A). The following is a summary of the FDEP comments (in bold) followed by ABB Environmental Services, Inc. (ABB-ES), responses.

**1. Install one additional monitoring well screened at 45 to 50 feet below land surface (bls). The well should be placed adjacent to and downgradient of monitoring well DW-1 to better define the vertical extent of dissolved petroleum contamination.**

One deep monitoring well (DW-2) was installed with a screened interval of 45 to 50 feet bls on February 18, 1998, in the location requested by FDEP (see Figure 1, Attachment B). The deep monitoring well was constructed by first cementing in-place 37 feet of 6-inch diameter polyvinyl chloride (PVC) surface casing using hollow-stem auger drilling techniques. After the cement had set, the well was completed using mud-rotary drilling techniques to a total depth of 50 feet bls. The well was constructed with 5 feet of 2-inch-diameter 0.010-inch slotted well screen coupled to 45 feet of 2-inch-diameter schedule 40 solid PVC. The screened interval in this well was placed between 45 and 50 feet bls. Figure 2 (Attachment B) depicts typical deep monitoring well construction detail. A summary of the well construction details is presented in Table 1 (Attachment C). A well completion log provided by the drilling subcontractor is included as Attachment D.

**2. Monitoring wells MW-1A, MW-2, MW-5, MW-6, DW-1, and the newly installed deep monitoring well should be sampled and analyzed according to the revised Chapter 62-770, Florida Administrative Code (FAC) guidelines.**

Groundwater samples were collected from monitoring wells MW-1A, MW-2, MW-5, MW-6, DW-1, and DW-2 on February 25, 1998. All samples were transported to Savannah Laboratories and Environmental Services, Inc., of Savannah, Georgia, and analyzed for the Chapter 62-770, FAC Kerosene Analytical Group, which includes the following U.S. Environmental Protection Agency Methods: 504 (ethylene dibromide), 601 (volatile halocarbons), 602 (volatile organic aromatics), 239.2 (total lead), 610 (polynuclear aromatic hydrocarbons), and FL-PRO (total recoverable petroleum hydrocarbons [TRPH]). In addition to sampling the wells, water levels were obtained and a water table elevation contour map was prepared (Figure 3) for the February 25, 1998, sampling event (see Attachment B). Groundwater flow direction is to the southwest, coinciding with the groundwater flow reported in the September 1997, CAR. A summary of groundwater elevation data (Table 2) is included in Attachment C.

Laboratory analytical results for the February 25, 1998, sampling event reported no compounds exceeding Chapter 62-770, FAC, cleanup target levels (CTLs). However, several compounds were detected at concentrations above laboratory standard detection limits, including the following: ethylbenzene (MW-2, 3.8 micrograms per liter [$\mu g/\ell$]); total xylenes (MW-2, 11 $\mu g/\ell$); total lead (DW-2, 7.5 $\mu g/\ell$); TRPH (MW-2, 2.9 milligrams per liter [$mg/\ell$] and MW-5, 0.31 $mg/\ell$); acenaphthylene (DW-1, 1.2 $\mu g/\ell$); fluorene (MW-2, 1.4 $\mu g/\ell$, MW-5, 1.4 $\mu g/\ell$, and DW-1, 2.5 $\mu g/\ell$); naphthalene (MW-2, 4.7 $\mu g/\ell$); phenanthrene (MW-2, 0.72 $\mu g/\ell$, MW-5, 0.50 $\mu g/\ell$, and DW-1, 2.1 $\mu g/\ell$); 1-methylnaphthalene (MW-2, 10 $\mu g/\ell$, MW-5, 3.8 $\mu g/\ell$, and DW-1, 18 $\mu g/\ell$); 2-methylnaphthalene (MW-2, 9.9 $\mu g/\ell$, MW-5, 4.4 $\mu g/\ell$, and DW-1, 9.6 $\mu g/\ell$); and chloroform (DW-2, 1.9 $\mu g/\ell$). The laboratory analytical reports and chain-of-custody records are included as Attachment E. Table 3 (Attachment C) summarizes all the laboratory analytical results for the site.

**Conclusions and Recommendations**

No dissolved petroleum contamination exceeding Chapter 62-770, FAC, CTLs was detected in the newly installed deep well. In addition, no concentrations above Chapter 62-770, FAC, CTLs were detected in any of the monitoring wells sampled during this event. Based on these results, ABB-ES recommends a No Further Action for the site.

Should you have any questions regarding this site or the data provided within this report, please call the undersigned at (407) 895-8845.

Very Truly Yours,
**ABB ENVIRONMENTAL SERVICES, INC.**

4/24/98

Manuel Alonso, P.G.
Technical Lead
P. G. No. 0001256

Scott Donelick
Geologist

MT/MA/lak

cc: Wayne Hansel, Southern Division
Bob Cohose, Bechtel
Nancy Rodriguez, USEPA Region IV
Lt. Gary Whipple, NTC, Orlando
Nick Ugolini, Southern Division
Steve McCoy, Tetra Tech, Oak Ridge
Bill Bostwick, FDEP Central District

# ATTACHMENT A

# FDEP REVIEW LETTER

034-2547

# Department of Environmental Protection

Lawton Chiles
Governor

Twin Towers Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Virginia B. Wetherell
Secretary

October 30, 1997

Mr. Nick Ugolini
Code 184(PVC)
Southern Division
Naval Facilities Engineering Command
2155 Eagle Drive
P.O. Box 190010
North Charleston, South Carolina 29419-9010

RE: Site Assessment Report, Building 7153, Main Base, NTC Orlando
FDEP #488840202

Dear Mr. Ugolini:

I have completed the technical review of the Site Assessment Report (SAR) dated September 1997 (received September 22, 1997) submitted for Building 7153. I do not agree with overdevelopment of the monitoring wells with dissolved petroleum product. There appears to be a downward gradient as deep monitoring well DW-1 had a benzene concentration greater than shallow well MW-1A. I recommend installing another monitoring well adjacent to and downgradient of well DW-1; screened at a depth of 45 - 50 feet. Sampling and analysis should be performed in wells MW1-A, MW-2, MW-5, MW-6, DW-1 and the newly installed well. Please submit a SAR Addendum according to the revised Chapter 62-770 F.A.C.

If I can be of any further assistance with this matter, please contact me at (904) 921-9989.

Sincerely,

John W. Mitchell
Remedial Project Manager

cc: Wayne Hansel, Navy SouthDiv
John Kaiser, ABB Orlando
Bob Cohose, Bechtel
Nancy Rodriguez, USEPA Region IV
Gary Whipple, NTC Orlando
Steve McCoy, Brown and Root, Oak Ridge
Bill Bostwick, FDEP Central District

cc: Scott Donelick
Manuel Alonso

TJB B JJC JJC ESN ESN

# ATTACHMENT B

# FIGURES

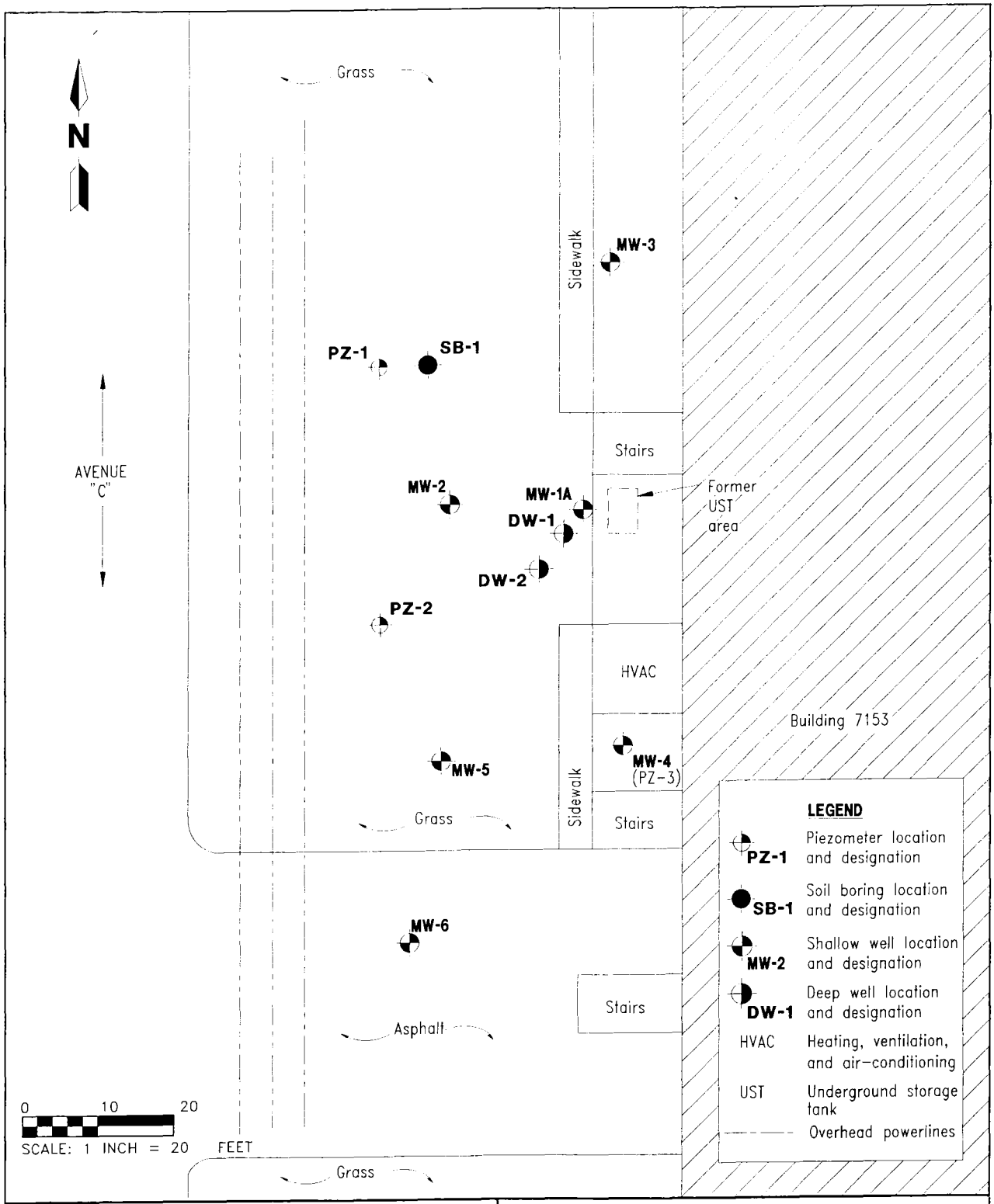


**FIGURE 1**
**SITE PLAN**

**SITE ASSESSMENT REPORT ADDENDUM, BUILDING 7153**
**MCCOY ANNEX**

**NAVAL TRAINING CENTER**
**ORLANDO, FLORIDA**

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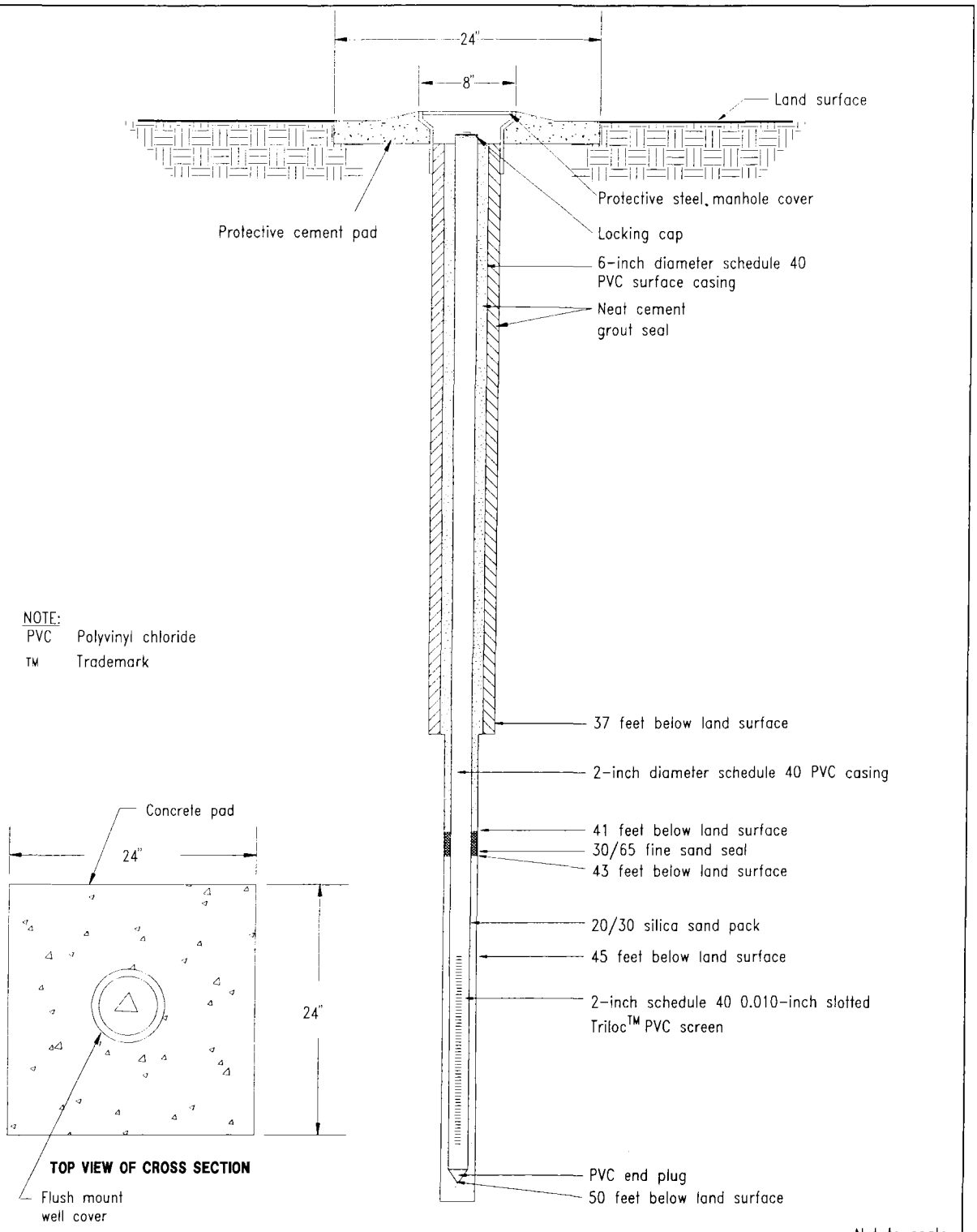


**FIGURE 2**
**TYPICAL DEEP MONITORING WELL CONSTRUCTION DETAIL**

**SITE ASSESSMENT REPORT ADDENDUM, BUILDING 7153 MCCOY ANNEX**

**NAVAL TRAINING CENTER ORLANDO, FLORIDA**

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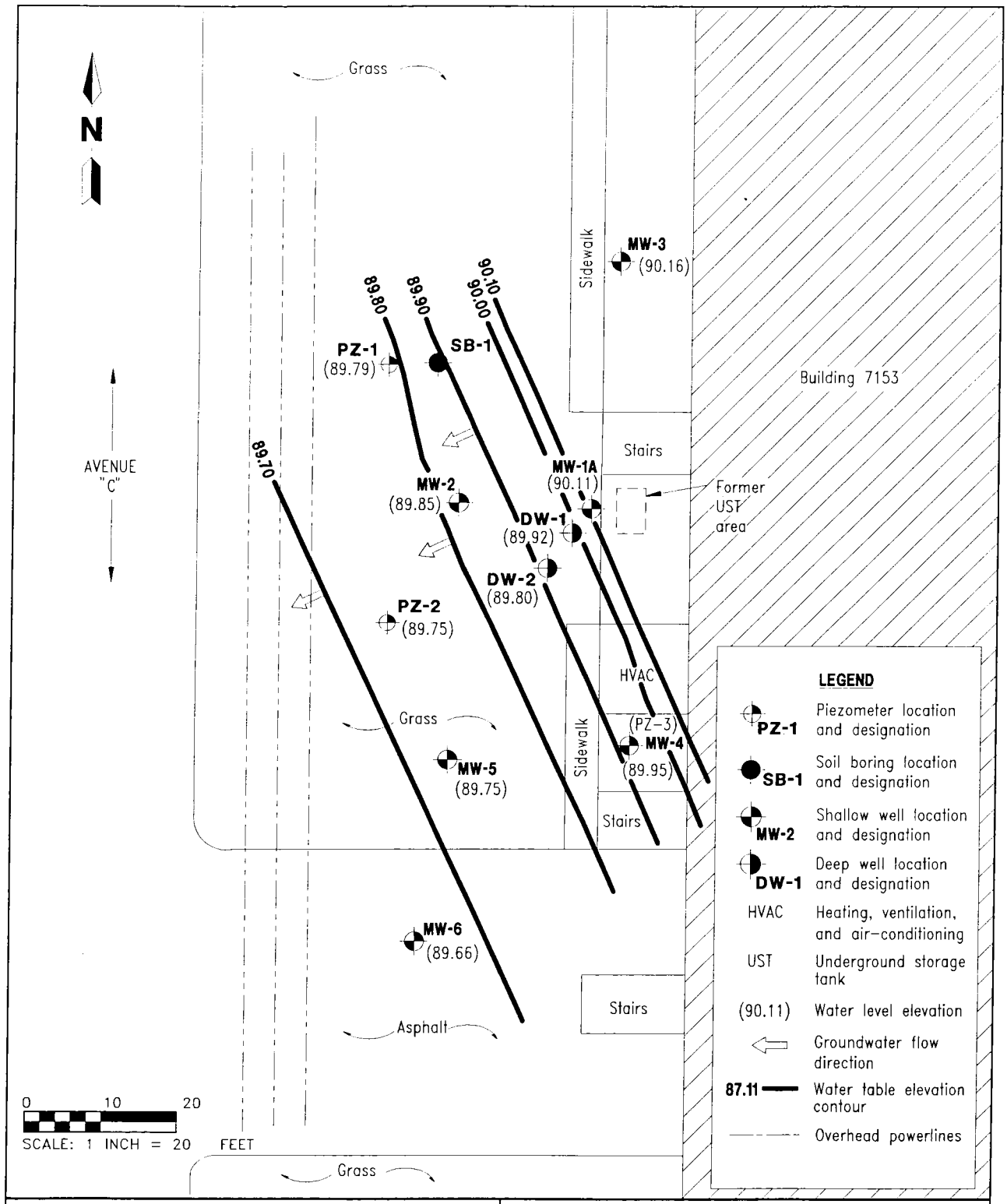


**FIGURE 3**
**WATER TABLE ELEVATION CONTOUR MAP**
**FEBRUARY 25, 1997**

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**SITE ASSESSMENT REPORT**
**ADDENDUM, BUILDING 7153**
**MCCOY ANNEX**

**NAVAL TRAINING CENTER**
**ORLANDO, FLORIDA**

# ATTACHMENT C

# TABLES

## Table 1
## Groundwater Monitoring Well Construction Data Summary

Site Assessment Report Addendum
Building 7153, McCoy Annex
Naval Training Center
Orlando, Florida

| Well Number | Date Installed | Total Depth (feet bls) | Well Diameter (inches) | Screened Interval (feet bls) | Slot Size (inches) | Comments |
|---|---|---|---|---|---|---|
| MW-1 | 09/25/96 | 15 | 2 | 5 - 15 | 0.01 | Destroyed during soil excavation |
| MW-1A | 04/10/97 | 16 | 2 | 6 - 16 | 0.01 | Installed by Groundwater Protection, Inc. |
| MW-2 | 09/25/97 | 15 | 2 | 5 - 15 | 0.01 | Installed by Groundwater Protection, Inc. |
| MW-3 | 04/10/97 | 15 | 2 | 5 - 15 | 0.01 | Installed by Groundwater Protection, Inc. |
| MW-4 | 04/10/97 | 16 | 2 | 6 - 16 | 0.01 | Installed by Groundwater Protection, Inc. |
| MW-5 | 04/10/97 | 16 | 2 | 6 - 16 | 0.01 | Installed by Groundwater Protection, Inc. |
| MW-6 | 07/02/97 | 15 | 2 | 5 - 15 | 0.01 | Installed by Groundwater Protection, Inc. |
| DW-1 | 07/02/97 | 35 | 2 | 30 - 35 | 0.01 | Installed by Groundwater Protection, Inc. |
| DW-2 | 02/18/98 | 50 | 2 | 45 - 50 | 0.01 | Installed by Groundwater Protection, Inc. |

Note: bls = below land surface.

## Table 2
## Summary of Groundwater Elevation Data

Site Assessment Report Addendum
Building 7153, McCoy Annex
Naval Training Center
Orlando, Florida

| Well Number | Date | Depth to Product (ft btoc) | Depth to Water (ft btoc) | Product Thickness (feet) | Top-of-Casing Elevation (feet) | Water-Level Elevation (feet) |
|---|---|---|---|---|---|---|
| MW-1A | 04/04/97 | -- | NA | -- | 95.62 | NA |
| | 04/25/97 | -- | 8.18 | -- | | 87.44 |
| | 07/07/97 | -- | 5.04 | -- | | 90.58 |
| | 02/25/98 | -- | 5.51 | -- | | 90.11 |
| MW-2 | 04/04/97 | -- | 8.48 | -- | 95.63 | 87.15 |
| | 04/25/97 | -- | 8.24 | -- | | 87.39 |
| | 07/07/97 | -- | 5.10 | -- | | 90.53 |
| | 02/25/98 | -- | 5.78 | -- | | 89.85 |
| MW-3 | 04/04/97 | -- | NA | -- | 95.70 | NA |
| | 04/25/97 | -- | 8.22 | -- | | 87.48 |
| | 07/07/97 | -- | 4.91 | -- | | 90.79 |
| | 02/25/98 | -- | 5.54 | -- | | 90.16 |
| MW-4 | 04/04/97 | -- | NA | -- | 96.08 | NA |
| | 04/25/97 | -- | 8.72 | -- | | 87.36 |
| | 07/07/97 | -- | 5.70 | -- | | 90.38 |
| | 02/25/98 | -- | 6.13 | -- | | 89.95 |
| MW-5 | 04/04/97 | -- | NA | -- | 95.74 | NA |
| | 04/25/97 | -- | 8.42 | -- | | 87.32 |
| | 07/07/97 | -- | 5.57 | -- | | 90.17 |
| | 02/25/98 | -- | 5.99 | -- | | 89.75 |
| MW-6 | 04/04/97 | -- | NA | -- | 95.85 | NA |
| | 04/25/97 | -- | NA | -- | | NA |
| | 07/07/97 | -- | 5.88 | -- | | 89.97 |
| | 02/25/98 | -- | 6.19 | -- | | 89.66 |
| DW-1 | 04/04/97 | -- | NA | -- | 95.96 | NA |
| | 04/25/97 | -- | NA | -- | | NA |
| | 07/07/97 | -- | 5.48 | -- | | 90.48 |
| | 02/25/98 | -- | 6.04 | -- | | 89.92 |
| DW-2 | 02/25/98 | -- | 5.91 | -- | 95.71 | 89.80 |
| PZ-1 | 04/04/97 | -- | 12.84 | -- | 100 | 87.16 |
| | 04/25/97 | -- | 12.59 | -- | | 87.41 |
| | 07/07/97 | -- | 9.64 | -- | | 90.36 |
| | 02/25/98 | -- | 10.21 | -- | | 89.79 |

See notes at end of table.

**Table 2 (Continued)**
**Summary of Groundwater Elevation Data**

Site Assessment Report Addendum
Building 7153, McCoy Annex
Naval Training Center
Orlando, Florida

| Well Number | Date | Depth to Product (ft btoc) | Depth to Water (ft btoc) | Product Thickness (feet) | Top-of-Casing Elevation (feet) | Water-Level Elevation (feet) |
|---|---|---|---|---|---|---|
| PZ-2 | 04/04/97 | -- | 12.04 | -- | 99.16 | 87.12 |
| | 04/25/97 | -- | 11.81 | -- | | 87.35 |
| | 07/07/97 | -- | 9.06 | -- | | 90.10 |
| | 02/25/98 | -- | 9.41 | -- | | 89.75 |
| PZ-3 | 04/04/97 | -- | 11.93 | -- | 99.04 | 87.11 |
| | 04/25/97 | -- | NA | -- | | NA |
| | 07/07/97 | -- | NA | -- | | NA |

Notes: ft btoc = feet below top of casing.
-- = not applicable.
NA = not available.

# Table 3
## Summary of Groundwater Analytical Results

Site Assessment Report Addendum
Building 7153, McCoy Annex
Naval Training Center
Orlando, Florida

| Parameter | Chapter 62-770, FAC Target Cleanup Levels (ppb)[1] | yMonitoring Well/Sample Date | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | TW-1 | MW-1 | MW-1A | | MW-2 | | | MW-3 | MW-4 |
| | | 02/15/96 | 10/3/96 | 04/25/97 | 02/25/98 | 10/3/96 | 04/25/97 | 02/25/98 | 04/25/97 | 04/25/97 |
| Benzene | 1* | <1 | **12.3** | **4.5** | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 40* | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 30* | 13 | 24.3 | 2.5 | <1 | 4.4 | <1 | 3.8 | <1 | <1 |
| Total xylenes | 20* | **30** | **34.6** | **43.8** | <2 | 16.3 | <3 | 11 | <1 | <1 |
| MTBE | 35 | <1 | <5 | <5 | <10 | <5 | <1 | <10 | <5 | <5 |
| 1,2-dibromoethane (EDB) | 0.02* | NS | <0.02 | <0.02 | <0.02 | <0.02 | <0.02 | <0.02 | <0.02 | <0.02 |
| Total lead | 15* | NS | 8 | <3 | <5 | 14 | 8 | <5 | <3 | <3 |
| TRPH (mg/l) | 5 | NS | 1.9 | 1.5 | <0.30 | <1 | <1 | 2.9 | <1 | <1 |
| Acenaphthene | 20 | <76 | <5 | <5 | <1 | <5 | <5 | <1 | <5 | <5 |
| Acenaphthylene | 210 | <76 | <5 | <5 | <1 | <5 | <5 | <1 | <5 | <5 |
| Benzo(a)pyrene | 0.2* | <76 | <5 | <5 | <0.2 | <5 | <5 | <0.2 | <5 | <5 |
| Benzo(g,h,i)perylene | 210 | <76 | <5 | <5 | <0.5 | <5 | <5 | <0.5 | <5 | <5 |
| Benzo(b)fluoranthene | 0.2 | <76 | <5 | <5 | <0.2 | <5 | <5 | <0.2 | <5 | <5 |
| Benzo(k)fluoranthene | 0.5 | <76 | <5 | <5 | <0.2 | <5 | <5 | <0.2 | <5 | <5 |
| Chrysene | 5 | <76 | <5 | <5 | <0.2 | <5 | <5 | <0.2 | <5 | <5 |
| Benzo(a)anthracene | 0.2 | <76 | <5 | <5 | <0.2 | <5 | <5 | <0.2 | <5 | <5 |
| Fluoranthene | 280 | <76 | <5 | <5 | <0.5 | <5 | <5 | <0.5 | <5 | <5 |
| Fluorene | 280 | <76 | <5 | <5 | <0.5 | <5 | <5 | 1.4P | <5 | <5 |
| Indeno(1,2,3-cd)pyrene | 0.2 | <76 | <5 | <5 | <0.5 | <5 | <5 | <0.5 | <5 | <5 |
| Dibenz(a,h)anthracene | 0.2 | <76 | <5 | <5 | <0.5 | <5 | <5 | <0.5 | <5 | <5 |
| Naphthalene | 20 | <76 | **22** | **45** | <1 | <5 | 10 | 4.7 | <5 | <5 |
| Phenanthrene | 210 | <76 | <5 | <5 | <0.2 | <5 | <5 | 0.72P | <5 | <5 |
| Anthracene | 2,100 | <76 | <5 | <5 | <0.2 | <5 | <5 | <0.2 | <5 | <5 |
| Pyrene | 210 | <76 | <5 | <5 | <0.5 | <5 | <5 | <0.5 | <5 | <5 |
| 1-Methylnaphthalene | NA | <76 | 36 | 48 | <1 | <5 | 15 | 10P | <5 | 11 |
| 2-Methylnaphthalene | NA | <76 | 19 | 45 | <1 | <5 | 16 | 9.9 | <5 | 10 |
| 1,2-Dichloroethane | 3* | NS | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | NA | NS | <1 | <1 | <1 | <1 | 7.4 | <1 | <1 | <1 |

See notes at end of table.

## Table 3 (Continued)
## Summary of Groundwater Analytical Results

Site Assessment Report Addendum
Building 7153, McCoy Annex
Naval Training Center
Orlando, Florida

| Parameter | Chapter 62-770, FAC-Target Cleanup Levels (ppb)[1] | Monitoring Well/Sample Date | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | MW-5 | | MW-6 | | DW-1 | | | DW-2 |
| | | 04/25/97 | 02/25/98 | 07/07/97 | 02/25/98 | 07/07/97 | 07/15/97 | 02/25/98 | 02/25/98 |
| Benzene | 1* | <1 | <1 | <1 | <1 | **13.6** | <1 | <1 | <1 |
| Toluene | 40* | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 30* | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total xylenes | 20* | <1 | <2 | <1 | <2 | <1 | <1 | <2 | <2 |
| MTBE | 35 | <5 | <10 | <5 | <10 | <5 | <5 | <10 | <10 |
| 1,2-dibromoethane (EDB) | 0.02* | <0.02 | <0.02 | <0.02 | <0.02 | <0.02 | NS | <0.02 | <0.02 |
| Total lead | 15* | <3 | <5 | 3 | <5 | <3 | NS | <5 | 7.5 |
| TRPH (mg/l) | 5 | <1 | 0.31 | <1 | <0.30 | <1 | NS | <0.30 | <0.30 |
| Acenaphthene | 20 | <5 | <1 | <5 | <1 | <5 | <5 | <1 | <1 |
| Acenaphthylene | 210 | <5 | <1 | <5 | <1 | <5 | <5 | 1.2 | <1 |
| Benzo(a)pyrene | 0.2* | <5 | <0.2 | <5 | <0.2 | <5 | <5 | <0.2 | <0.2 |
| Benzo(g,h,i)perylene | 210 | <5 | <0.5 | <5 | <0.5 | <5 | <5 | <0.5 | <0.5 |
| Benzo(b)fluoranthene | 0.2 | <5 | <0.2 | <5 | <0.2 | <5 | <5 | <0.2 | <0.2 |
| Benzo(k)fluoranthene | 0.5 | <5 | <0.2 | <5 | <0.2 | <5 | <5 | <0.2 | <0.2 |
| Chrysene | 5 | <5 | <0.2 | <5 | <0.2 | <5 | <5 | <0.2 | <0.2 |
| Benzo(a)anthracene | 0.2 | <5 | <0.2 | <5 | <0.2 | <5 | <5 | <0.2 | <0.2 |
| Fluoranthene | 280 | <5 | <0.5 | <5 | <0.5 | <5 | <5 | <0.5 | <0.5 |
| Fluorene | 280 | <5 | 1.4 | <5 | <0.5 | <5 | <5 | 2.5 | <0.5 |
| Indeno(1,2,3-cd)pyrene | 0.2 | <5 | <0.5 | <5 | <0.5 | <5 | <5 | <0.5 | <0.5 |
| Dibenz(a,h)anthracene | 0.2 | <5 | <0.5 | <5 | <0.5 | <5 | <5 | <0.5 | <0.5 |
| Naphthalene | 20 | 9 | <1 | <5 | <1 | **28** | **25** | <1 | <1 |
| Phenanthrene | 210 | <5 | 0.50P | <5 | <0.2 | <5 | <5 | 2.1P | <0.2 |
| Anthracene | 2,100 | <5 | <0.2 | <5 | <0.2 | <5 | <5 | <0.2 | <0.2 |
| Pyrene | 210 | <5 | <0.5 | <5 | <0.5 | <5 | <5 | <0.5 | <0.5 |
| 1-Methylnaphthalene | NA | 24 | 3.8P | <5 | <1 | 32 | 20 | 18P | <1 |
| 2-Methylnaphthalene | NA | 27 | 4.4 | <5 | <1 | 51 | 30 | 9.6 | <1 |
| 1,2-dichloroethane | 3* | <1 | <1 | <1 | <1 | <1 | NS | <1 | <1 |
| Chloroform | NA | <1 | <1 | <1 | <1 | 4.9 | NS | <1 | 1.9 |

See notes at end of table.

## Table 3 (Continued)
## Summary of Groundwater Analytical Results

Site Assessment Report Addendum
Building 7153, McCoy Annex
Naval Training Center
Orlando, Florida

[1] Asterisk denotes information is provided in Chapter 62-520 or 62-550, FAC.

Notes: All concentrations in micrograms per liter, unless otherwise noted.
Bold indicates parameter exceeds FAC target cleanup levels.

FAC = Florida Administrative Code.
ppb = parts per billion.
< = less than.
MTBE = methyl tert-butyl ether.
EDB = ethylene dibromide.
NS = not sampled
TRPH = total recoverable petroleum hydrocarbons (reported as Florida petroleum residual organics).
mg/ℓ = milligrams per liter.
P = difference between gas chromatograph and high-performance liquid chromatography columns is greater than 25%. Lower value reported.
NA = not available.

# ATTACHMENT D

# WELL COMPLETION LOG

# WELL COMPLETION LOG

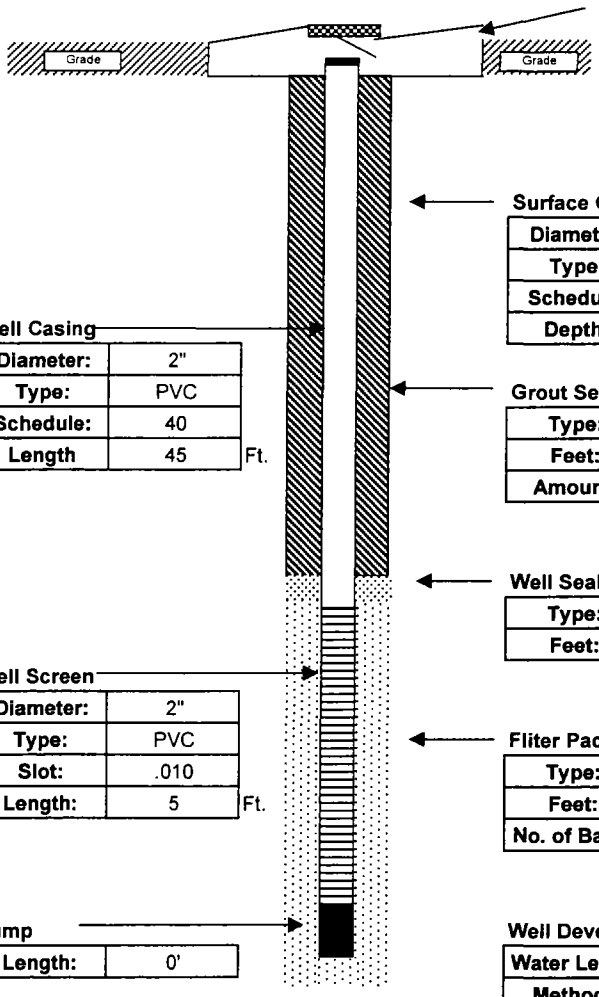
Water Mgmt. Dist.: St. Johns
Permit Number: -

Work Order: 6344
Type of Well: Monitoring
Well Number: 7153 DW-2
Method Used: Mud Rotary
Borehole Dia. 10"

**Site Information:**
Name: NTC
Address: McCoy Annex
C,S,Z: Orlando, Florida
S/T/R: -

**Client / Consultant Information**
Consultant: ABB Environmental Services, Inc.
Field Rep: Scott Donelick

| Well Diameter | Well Type | Well Depth | Screen Length | Casing Length | Bags Grout | Sand Bags/Weight | Filter Type | Well Seal |
|---|---|---|---|---|---|---|---|---|
| 2" | PVC | 50 | 5 | 45 | 9 | 4X50lb. | 20/30 | Fine Sand |
| 40 ← | Schedule | Slot Size:→ | .010 | | 43 | ← Feet → | 7 | 2 |




**Surface Completion**
8" Flush

**Surface Casing**

| | |
|---|---|
| Diameter: | 6" |
| Type: | PVC |
| Schedule: | 40 |
| Depth: | 37 |

**Intermediate Casing**

| | |
|---|---|
| Diameter: | |
| Type: | |
| Schedule: | |
| Depth: | |

**Well Casing**

| | |
|---|---|
| Diameter: | 2" |
| Type: | PVC |
| Schedule: | 40 |
| Length | 45 Ft. |

**Grout Seal**

| | |
|---|---|
| Type: | II Portland |
| Feet: | 43 |
| Amount: | 9 Bags |

**Well Seal**

| | |
|---|---|
| Type: | Fine Sand |
| Feet: | 2 |

**Well Screen**

| | |
|---|---|
| Diameter: | 2" |
| Type: | PVC |
| Slot: | .010 |
| Length: | 5 Ft. |

**Fliter Pack**

| | |
|---|---|
| Type: | 20/30 |
| Feet: | 7 |
| No. of Bags: | 4X50lb. |

**Sump**

| | |
|---|---|
| Length: | 0' |

**Well Development**

| | | | |
|---|---|---|---|
| Water Level: | 8' | | |
| Method: | Centrifugal | | |
| Start:→ | Cloudy | Finish:→ | Cloudy |
| Time: | 40 min. | | |
| GPM: | 1.5 | | |

**Contractor Information**

| | |
|---|---|
| Contractor #: | 2633 |
| Completion: | 02/18/98 |
| Driller: | Jim Henson |
| Lead Hand: | Jeff Yaras |
| 3rd Man: | Bill Hammond |
| Drill Rig: | B-59 |

| | |
|---|---|
| Company: | Groundwater Protection, Inc. |
| Address: | 4315 S.W. 34th Street |
| C,S,Z: | Orlando, Florida 32811 |
| Phone/FAX: | (407) 426-7885 / (407) 426-7586 |

# ATTACHMENT E

# LABORATORY ANALYTICAL REPORTS AND CHAIN-OF-CUSTODY RECORDS

BUILDING 7153
NTC ORLANDO, FLORIDA, MCCOY ANNEX

| Lab Sample Number: | MA269001 | | | 96100040-5 | | | 97040170-2 | | | S881068-2 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Site | 7153 | | | 7153 | | | 7153 | | | 7153 | | |
| Locator | 048GT101/7153 TW-1 | | | 048GM101/7153MW1 | | | 048GM1A1/7153 MW-1A | | | 048GM1A2/7153 MW-1A | | |
| Collect Date: | 15-FEB-96 | | | 03-OCT-96 | | | 25-APR-97 | | | 25-FEB-98 | | |
| | VALUE | QUAL | UNITS | VALUE | QUAL | UNITS | VALUE | QUAL | UNITS | VALUE | QUAL | UNITS |
| EPA 601/602 | | | | | | | | | | | | |
| Chloromethane | - | | | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l |
| Bromomethane | - | | | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l |
| Dichlorodifluoromethane | - | | | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l |
| Vinyl chloride | - | | | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l |
| Chloroethane | - | | | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l |
| Methylene chloride | - | | | 1 | U | ug/l | 1 | U | ug/l | 5 | U | ug/l |
| Trichlorofluoromethane | - | | | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l |
| 1,1-Dichloroethene | - | | | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l |
| 1,1-Dichloroethane | - | | | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l |
| Cis/Trans-1,2-Dichloroethene | - | | | - | | | - | | | 1 | U | ug/l |
| Chloroform | - | | | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l |
| 1,2-Dichloroethane | - | | | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l |
| 1,1,1-Trichloroethane | - | | | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l |
| Carbon tetrachloride | - | | | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l |
| Bromodichloromethane | - | | | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l |
| 1,2-Dichloropropane | - | | | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l |
| cis-1,3-Dichloropropene | - | | | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l |
| Trichloroethene | - | | | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l |
| Dibromochloromethane | - | | | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l |
| 1,1,2-Trichloroethane | - | | | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l |
| trans-1,3-Dichloropropene | - | | | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l |
| Bromoform | - | | | 1 | U | ug/l | 1 | U | ug/l | 5 | U | ug/l |
| 1,1,2,2-Tetrachloroethane | - | | | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l |
| Tetrachloroethene | - | | | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l |
| Chlorobenzene | 1 | U | ug/L | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l |
| 1,3-Dichlorobenzene | 1 | U | ug/L | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l |
| 1,2-Dichlorobenzene | 1 | U | ug/L | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l |
| 1,4-Dichlorobenzene | 1 | U | ug/L | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l |
| Chlorobenzene | 1 | U | ug/L | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l |
| EDB | | | | | | | | | | | | |
| Ethylene dibromide | - | | | .02 | U | ug/l | .02 | U | ug/l | .02 | U | ug/l |
| LEAD | | | | | | | | | | | | |
| Lead | - | | | 8 | | ug/l | 3 | U | ug/l | .005 | U | mg/l |
| Flo Pro | | | | | | | | | | | | |
| Petroleum Range Organics (Fl-P | - | | | - | | | - | | | .3 | U | mg/l |
| PAH COMPOUNDS | | | | | | | | | | | | |
| Acenaphthene | 76 | U | ug/L | - | | | 5 | U | ug/l | 1 | U | ug/l |
| Acenaphthylene | 76 | U | ug/L | - | | | 5 | U | ug/l | 1 | U | ug/l |
| Benzo(a)pyrene | 76 | U | ug/L | - | | | 5 | U | ug/l | .2 | U | ug/l |
| Benzo(g,h,i)perylene | 76 | U | ug/L | - | | | 5 | U | ug/l | .5 | U | ug/l |
| Benzo(b)fluoranthene | 76 | U | ug/L | - | | | 5 | U | ug/l | .2 | U | ug/l |
| Benzo(k)fluoranthene | 76 | U | ug/L | - | | | 5 | U | ug/l | .2 | U | ug/l |
| Chrysene | 76 | U | ug/L | - | | | 5 | U | ug/l | .2 | U | ug/l |
| Benzo(a)anthracene | 76 | U | ug/L | - | | | 5 | U | ug/l | .2 | U | ug/l |
| Fluoranthene | 76 | U | ug/L | - | | | 5 | U | ug/l | .5 | U | ug/l |
| Fluorene | 76 | U | ug/L | - | | | 5 | U | ug/l | .5 | U | ug/l |

BUILDING 7153
NTC ORLANDO, FLORIDA, MCCOY ANNEX

| Lab Sample Number: | MA269001 | | | 96100040-5 | | | 97040170-2 | | | S881068-2 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Site | 7153 | | | 7153 | | | 7153 | | | 7153 | | |
| Locator | 048GT101/7153 TW-1 | | | 048GM101/7153MW1 | | | 048GM1A1/7153 MW-1A | | | 048GM1A2/7153 MW-1A | | |
| Collect Date: | 15-FEB-96 | | | 03-OCT-96 | | | 25-APR-97 | | | 25-FEB-98 | | |
| | VALUE | QUAL | UNITS | VALUE | QUAL | UNITS | VALUE | QUAL | UNITS | VALUE | QUAL | UNITS |
| Indeno(1,2,3-cd)pyrene | 76 | U | ug/L | - | | | 5 | U | ug/l | .5 | U | ug/l |
| Dibenzo(a,h)anthracene | 76 | U | ug/L | - | | | 5 | U | ug/l | .5 | U | ug/l |
| Naphthalene | 76 | U | ug/L | - | | | 45 | | ug/l | 1 | U | ug/l |
| Phenanthrene | 76 | U | ug/L | - | | | 5 | U | ug/l | .2 | U | ug/l |
| Anthracene | 76 | U | ug/L | - | | | 5 | U | ug/l | .2 | U | ug/l |
| Pyrene | 76 | U | ug/L | - | | | 5 | U | ug/l | .5 | U | ug/l |
| 1-Methylnaphthalene | 76 | U | ug/L | - | | | 48 | | ug/l | 1 | U | ug/l |
| 2-Methylnaphthalene | 76 | U | ug/L | - | | | 45 | | ug/l | 1 | U | ug/l |
| TOTAL PETROLEUM HYDROCARBON | | | | | | | | | | | | |
| Total petroleum hydrocarbon | - | | | 1.9 | | mg/l | 1.5 | | mg/l | - | | |

BUILDING 7153
NTC ORLANDO, FLORIDA, MCCOY ANNEX

| Lab Sample Number: | 96100040-6 | | | 97040170-3 | | | S881068-3 | | | 97040170-4 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Site | 7153 | | | 7153 | | | 7153 | | | 7153 | | |
| Locator | 048GM201/7153MW1 | | | 048GM202/7153 MW-2 | | | 048GM203/7153 MW-2 | | | 048GM301/7153 MW-3 | | |
| Collect Date: | 03-OCT-96 | | | 25-APR-97 | | | 25-FEB-98 | | | 25-APR-97 | | |
| | VALUE | QUAL | UNITS | VALUE | QUAL | UNITS | VALUE | QUAL | UNITS | VALUE | QUAL | UNITS |
| EPA 601/602 | | | | | | | | | | | | |
| Chloromethane | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l |
| Bromomethane | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l |
| Dichlorodifluoromethane | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l |
| Vinyl chloride | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l |
| Chloroethane | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l |
| Methylene chloride | 1 | U | ug/l | 1 | U | ug/l | 5 | U | ug/l | 1 | U | ug/l |
| Trichlorofluoromethane | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l |
| 1,1-Dichloroethene | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l |
| 1,1-Dichloroethane | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l |
| Cis/Trans-1,2-Dichloroethene | - | | | - | | | 1 | U | ug/l | - | | |
| Chloroform | 1 | U | ug/l | 7.4 | | ug/l | 1 | U | ug/l | 1 | U | ug/l |
| 1,2-Dichloroethane | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l |
| 1,1,1-Trichloroethane | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l |
| Carbon tetrachloride | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l |
| Bromodichloromethane | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l |
| 1,2-Dichloropropane | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l |
| cis-1,3-Dichloropropene | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l |
| Trichloroethene | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l |
| Dibromochloromethane | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l |
| 1,1,2-Trichloroethane | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l |
| trans-1,3-Dichloropropene | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l |
| Bromoform | 1 | U | ug/l | 1 | U | ug/l | 5 | U | ug/l | 1 | U | ug/l |
| 1,1,2,2-Tetrachloroethane | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l |
| Tetrachloroethene | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l |
| Chlorobenzene | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l |
| 1,3-Dichlorobenzene | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l |
| 1,2-Dichlorobenzene | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l |
| 1,4-Dichlorobenzene | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l |
| Chlorobenzene | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l |
| EDB | | | | | | | | | | | | |
| Ethylene dibromide | .02 | U | ug/l | .02 | U | ug/l | .02 | U | ug/l | .02 | U | ug/l |
| LEAD | | | | | | | | | | | | |
| Lead | 14 | | ug/l | 8 | | ug/l | .005 | U | mg/l | 3 | U | ug/l |
| Flo Pro | | | | | | | | | | | | |
| Petroleum Range Organics (Fl-P | - | | | - | | | 2.9 | | mg/l | - | | |
| PAH COMPOUNDS | | | | | | | | | | | | |

BUILDING 7153
NTC ORLANDO, FLORIDA, MCCOY ANNEX

| Lab Sample Number: | 96100040-6 | | | 97040170-3 | | | S881068-3 | | | 97040170-4 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Site | 7153 | | | 7153 | | | 7153 | | | 7153 | | |
| Locator | 048GM201/7153MW1 | | | 048GM202/7153 MW-2 | | | 048GM203/7153 MW-2 | | | 048GM301/7153 MW-3 | | |
| Collect Date: | 03-OCT-96 | | | 25-APR-97 | | | 25-FEB-98 | | | 25-APR-97 | | |
| | VALUE | QUAL | UNITS | VALUE | QUAL | UNITS | VALUE | QUAL | UNITS | VALUE | QUAL | UNITS |
| Acenaphthene | - | | | 5 | U | ug/l | 1 | U | ug/l | 5 | U | ug/l |
| Acenaphthylene | - | | | 5 | U | ug/l | 1 | U | ug/l | 5 | U | ug/l |
| Benzo(a)pyrene | - | | | 5 | U | ug/l | .2 | U | ug/l | 5 | U | ug/l |
| Benzo(g,h,i)perylene | - | | | 5 | U | ug/l | .5 | U | ug/l | 5 | U | ug/l |
| Benzo(b)fluoranthene | - | | | 5 | U | ug/l | .2 | U | ug/l | 5 | U | ug/l |
| Benzo(k)fluoranthene | - | | | 5 | U | ug/l | .2 | U | ug/l | 5 | U | ug/l |
| Chrysene | - | | | 5 | U | ug/l | .2 | U | ug/l | 5 | U | ug/l |
| Benzo(a)anthracene | - | | | 5 | U | ug/l | .2 | U | ug/l | 5 | U | ug/l |
| Fluoranthene | - | | | 5 | U | ug/l | .5 | U | ug/l | 5 | U | ug/l |
| Fluorene | - | | | 5 | U | ug/l | 1.4 | P | ug/l | 5 | U | ug/l |
| Indeno(1,2,3-cd)pyrene | - | | | 5 | U | ug/l | .5 | U | ug/l | 5 | U | ug/l |
| Dibenzo(a,h)anthracene | - | | | 5 | U | ug/l | .5 | U | ug/l | 5 | U | ug/l |
| Naphthalene | - | | | 10 | | ug/l | 4.7 | | ug/l | 5 | U | ug/l |
| Phenanthrene | - | | | 5 | U | ug/l | .72 | P | ug/l | 5 | U | ug/l |
| Anthracene | - | | | 5 | U | ug/l | .2 | U | ug/l | 5 | U | ug/l |
| Pyrene | - | | | 5 | U | ug/l | .5 | U | ug/l | 5 | U | ug/l |
| 1-Methylnaphthalene | - | | | 15 | | ug/l | 10 | P | ug/l | 5 | U | ug/l |
| 2-Methylnaphthalene | - | | | 16 | | ug/l | 9.9 | | ug/l | 5 | U | ug/l |
| TOTAL PETROLEUM HYDROCARBON | | | | | | | | | | | | |
| Total petroleum hydrocarbon | 1 | U | mg/l | 1 | U | mg/l | - | | | 1 | U | mg/l |

BUILDING 7153
NTC ORLANDO, FLORIDA, MCCOY ANNEX

| Lab Sample Number: | 97040170-5 | | | 97040170-6 | | | S881068-4 | | | 97070036-1 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Site | 7153 | | | 7153 | | | 7153 | | | 7153 | | |
| Locator | 048GM401/7153 MW-4 | | | 048GM501/7153 MW-5 | | | 048GM502/7153 MW-5 | | | 048GM601/7153 MW-6 | | |
| Collect Date: | 25-APR-97 | | | 25-APR-97 | | | 25-FEB-98 | | | 07-JUL-97 | | |
| | VALUE | QUAL | UNITS | VALUE | QUAL | UNITS | VALUE | QUAL | UNITS | VALUE | QUAL | UNITS |
| EPA 601/602 | | | | | | | | | | | | |
| Chloromethane | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l |
| Bromomethane | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l |
| Dichlorodifluoromethane | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l |
| Vinyl chloride | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l |
| Chloroethane | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l |
| Methylene chloride | 1 | U | ug/l | 1 | U | ug/l | 5 | U | ug/l | 1 | U | ug/l |
| Trichlorofluoromethane | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l |
| 1,1-Dichloroethene | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l |
| 1,1-Dichloroethane | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l |
| Cis/Trans-1,2-Dichloroethene | - | | | - | | | 1 | U | ug/l | - | | |
| Chloroform | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l |
| 1,2-Dichloroethane | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l |
| 1,1,1-Trichloroethane | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l |
| Carbon tetrachloride | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l |
| Bromodichloromethane | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l |
| 1,2-Dichloropropane | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l |
| cis-1,3-Dichloropropene | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l |
| Trichloroethene | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l |
| Dibromochloromethane | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l |
| 1,1,2-Trichloroethane | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l |
| trans-1,3-Dichloropropene | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l |
| Bromoform | 1 | U | ug/l | 1 | U | ug/l | 5 | U | ug/l | 1 | U | ug/l |
| 1,1,2,2-Tetrachloroethane | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l |
| Tetrachloroethene | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l |
| Chlorobenzene | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l |
| 1,3-Dichlorobenzene | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l |
| 1,2-Dichlorobenzene | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l |
| 1,4-Dichlorobenzene | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l |
| Chlorobenzene | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l |
| EDB | | | | | | | | | | | | |
| Ethylene dibromide | .02 | U | ug/l | .02 | U | ug/l | .02 | U | ug/l | .02 | U | ug/l |
| LEAD | | | | | | | | | | | | |
| Lead | 3 | U | ug/l | 3 | U | ug/l | .005 | U | mg/l | 3 | U | ug/l |
| Flo Pro | | | | | | | | | | | | |
| Petroleum Range Organics (Fl-P | - | | | - | | | .31 | | mg/l | - | | |
| PAH COMPOUNDS | | | | | | | | | | | | |

BUILDING 7153
NTC ORLANDO, FLORIDA, MCCOY ANNEX

| Lab Sample Number: | 97040170-5 | | | 97040170-6 | | | S881068-4 | | | 97070036-1 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Site | 7153 | | | 7153 | | | 7153 | | | 7153 | | |
| Locator | 048GM401/7153 MW-4 | | | 048GM501/7153 MW-5 | | | 048GM502/7153 MW-5 | | | 048GM601/7153 MW-6 | | |
| Collect Date: | 25-APR-97 | | | 25-APR-97 | | | 25-FEB-98 | | | 07-JUL-97 | | |
| | VALUE | QUAL | UNITS | VALUE | QUAL | UNITS | VALUE | QUAL | UNITS | VALUE | QUAL | UNITS |
| Acenaphthene | 5 | U | ug/l | 5 | U | ug/l | 1 | U | ug/l | 5 | U | ug/l |
| Acenaphthylene | 5 | U | ug/l | 5 | U | ug/l | 1 | U | ug/l | 5 | U | ug/l |
| Benzo(a)pyrene | 5 | U | ug/l | 5 | U | ug/l | .2 | U | ug/l | 5 | U | ug/l |
| Benzo(g,h,i)perylene | 5 | U | ug/l | 5 | U | ug/l | .5 | U | ug/l | 5 | U | ug/l |
| Benzo(b)fluoranthene | 5 | U | ug/l | 5 | U | ug/l | .2 | U | ug/l | 5 | U | ug/l |
| Benzo(k)fluoranthene | 5 | U | ug/l | 5 | U | ug/l | .2 | U | ug/l | 5 | U | ug/l |
| Chrysene | 5 | U | ug/l | 5 | U | ug/l | .2 | U | ug/l | 5 | U | ug/l |
| Benzo(a)anthracene | 5 | U | ug/l | 5 | U | ug/l | .2 | U | ug/l | 5 | U | ug/l |
| Fluoranthene | 5 | U | ug/l | 5 | U | ug/l | .5 | U | ug/l | 5 | U | ug/l |
| Fluorene | 5 | U | ug/l | 5 | U | ug/l | 1.4 | | ug/l | 5 | U | ug/l |
| Indeno(1,2,3-cd)pyrene | 5 | U | ug/l | 5 | U | ug/l | .5 | U | ug/l | 5 | U | ug/l |
| Dibenzo(a,h)anthracene | 5 | U | ug/l | 5 | U | ug/l | .5 | U | ug/l | 5 | U | ug/l |
| Naphthalene | 5 | U | ug/l | 9 | | ug/l | 1 | U | ug/l | 5 | U | ug/l |
| Phenanthrene | 5 | U | ug/l | 5 | U | ug/l | .5 | P | ug/l | 5 | U | ug/l |
| Anthracene | 5 | U | ug/l | 5 | U | ug/l | .2 | U | ug/l | 5 | U | ug/l |
| Pyrene | 5 | U | ug/l | 5 | U | ug/l | .5 | U | ug/l | 5 | U | ug/l |
| 1-Methylnaphthalene | 11 | | ug/l | 24 | | ug/l | 3.8 | P | ug/l | 5 | U | ug/l |
| 2-Methylnaphthalene | 10 | | ug/l | 27 | | ug/l | 4.4 | | ug/l | 5 | U | ug/l |
| TOTAL PETROLEUM HYDROCARBON | | | | | | | | | | | | |
| Total petroleum hydrocarbon | 1 | U | mg/l | 1 | U | mg/l | - | | | 1 | U | mg/l |

BUILDING 7153
NTC ORLANDO, FLORIDA, MCCOY ANNEX

| Lab Sample Number: | S881068-5 | | | 97070036-2 | | | 97070131-1 | | | S881068-6 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Site | 7153 | | | 7153 | | | 7153 | | | 7153 | | |
| Locator | 048GM602/7153 MW-6 | | | 048GD101/7153 DW-1 | | | 048GD102/7153 | | | 048GD103/7153 DW-1 | | |
| Collect Date: | 25-FEB-98 | | | 07-JUL-97 | | | 15-JUL-97 | | | 25-FEB-98 | | |
| | VALUE | QUAL | UNITS | VALUE | QUAL | UNITS | VALUE | QUAL | UNITS | VALUE | QUAL | UNITS |
| EPA 601/602 | | | | | | | | | | | | |
| Chloromethane | 1 | U | ug/l | 1 | U | ug/l | - | | | 1 | U | ug/l |
| Bromomethane | 1 | U | ug/l | 1 | U | ug/l | - | | | 1 | U | ug/l |
| Dichlorodifluoromethane | 1 | U | ug/l | 1 | U | ug/l | - | | | 1 | U | ug/l |
| Vinyl chloride | 1 | U | ug/l | 1 | U | ug/l | - | | | 1 | U | ug/l |
| Chloroethane | 1 | U | ug/l | 1 | U | ug/l | - | | | 1 | U | ug/l |
| Methylene chloride | 5 | U | ug/l | 1 | U | ug/l | - | | | 5 | U | ug/l |
| Trichlorofluoromethane | 1 | U | ug/l | 1 | U | ug/l | - | | | 1 | U | ug/l |
| 1,1-Dichloroethene | 1 | U | ug/l | 1 | U | ug/l | - | | | 1 | U | ug/l |
| 1,1-Dichloroethane | 1 | U | ug/l | 1 | U | ug/l | - | | | 1 | U | ug/l |
| Cis/Trans-1,2-Dichloroethene | 1 | U | ug/l | - | | | - | | | 1 | U | ug/l |
| Chloroform | 1 | U | ug/l | 4.9 | | ug/l | - | | | 1 | U | ug/l |
| 1,2-Dichloroethane | 1 | U | ug/l | 1 | U | ug/l | - | | | 1 | U | ug/l |
| 1,1,1-Trichloroethane | 1 | U | ug/l | 1 | U | ug/l | - | | | 1 | U | ug/l |
| Carbon tetrachloride | 1 | U | ug/l | 1 | U | ug/l | - | | | 1 | U | ug/l |
| Bromodichloromethane | 1 | U | ug/l | 1 | U | ug/l | - | | | 1 | U | ug/l |
| 1,2-Dichloropropane | 1 | U | ug/l | 1 | U | ug/l | - | | | 1 | U | ug/l |
| cis-1,3-Dichloropropene | 1 | U | ug/l | 1 | U | ug/l | - | | | 1 | U | ug/l |
| Trichloroethene | 1 | U | ug/l | 1 | U | ug/l | - | | | 1 | U | ug/l |
| Dibromochloromethane | 1 | U | ug/l | 1 | U | ug/l | - | | | 1 | U | ug/l |
| 1,1,2-Trichloroethane | 1 | U | ug/l | 1 | U | ug/l | - | | | 1 | U | ug/l |
| trans-1,3-Dichloropropene | 1 | U | ug/l | 1 | U | ug/l | - | | | 1 | U | ug/l |
| Bromoform | 5 | U | ug/l | 1 | U | ug/l | - | | | 5 | U | ug/l |
| 1,1,2,2-Tetrachloroethane | 1 | U | ug/l | 1 | U | ug/l | - | | | 1 | U | ug/l |
| Tetrachloroethene | 1 | U | ug/l | 1 | U | ug/l | - | | | 1 | U | ug/l |
| Chlorobenzene | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l |
| 1,3-Dichlorobenzene | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l |
| 1,2-Dichlorobenzene | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l |
| 1,4-Dichlorobenzene | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l |
| Chlorobenzene | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l | 1 | U | ug/l |
| EDB | | | | | | | | | | | | |
| Ethylene dibromide | .02 | U | ug/l | .02 | U | ug/l | - | | | .02 | U | ug/l |
| LEAD | | | | | | | | | | | | |
| Lead | .005 | U | mg/l | 3 | U | ug/l | - | | | .005 | U | mg/l |
| Flo Pro | | | | | | | | | | | | |
| Petroleum Range Organics (Fl-P | .3 | U | mg/l | - | | | - | | | .3 | U | mg/l |
| PAH COMPOUNDS | | | | | | | | | | | | |

BUILDING 7153
NTC ORLANDO, FLORIDA, MCCOY ANNEX

| Lab Sample Number: | S881068-5 | | | 97070036-2 | | | 97070131-1 | | | S881068-6 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Site | 7153 | | | 7153 | | | 7153 | | | 7153 | | |
| Locator | 048GM602/7153 MW-6 | | | 048GD101/7153 DW-1 | | | 048GD102/7153 | | | 048GD103/7153 DW-1 | | |
| Collect Date: | 25-FEB-98 | | | 07-JUL-97 | | | 15-JUL-97 | | | 25-FEB-98 | | |
| | VALUE | QUAL | UNITS | VALUE | QUAL | UNITS | VALUE | QUAL | UNITS | VALUE | QUAL | UNITS |
| Acenaphthene | 1 | U | ug/l | 5 | U | ug/l | 5 | U | ug/l | 1 | U | ug/l |
| Acenaphthylene | 1 | U | ug/l | 5 | U | ug/l | 5 | U | ug/l | 1.2 | | ug/l |
| Benzo(a)pyrene | .2 | U | ug/l | 5 | U | ug/l | 5 | U | ug/l | .2 | U | ug/l |
| Benzo(g,h,i)perylene | .5 | U | ug/l | 5 | U | ug/l | 5 | U | ug/l | .5 | U | ug/l |
| Benzo(b)fluoranthene | .2 | U | ug/l | 5 | U | ug/l | 5 | U | ug/l | .2 | U | ug/l |
| Benzo(k)fluoranthene | .2 | U | ug/l | 5 | U | ug/l | 5 | U | ug/l | .2 | U | ug/l |
| Chrysene | .2 | U | ug/l | 5 | U | ug/l | 5 | U | ug/l | .2 | U | ug/l |
| Benzo(a)anthracene | .2 | U | ug/l | 5 | U | ug/l | 5 | U | ug/l | .2 | U | ug/l |
| Fluoranthene | .5 | U | ug/l | 5 | U | ug/l | 5 | U | ug/l | .5 | U | ug/l |
| Fluorene | .5 | U | ug/l | 5 | U | ug/l | 5 | U | ug/l | 2.5 | | ug/l |
| Indeno(1,2,3-cd)pyrene | .5 | U | ug/l | 5 | U | ug/l | 5 | U | ug/l | .5 | U | ug/l |
| Dibenzo(a,h)anthracene | .5 | U | ug/l | 5 | U | ug/l | 5 | U | ug/l | .5 | U | ug/l |
| Naphthalene | 1 | U | ug/l | 28 | | ug/l | 25 | | ug/l | 1 | U | ug/l |
| Phenanthrene | .2 | U | ug/l | 5 | U | ug/l | 5 | U | ug/l | 2.1 | P | ug/l |
| Anthracene | .2 | U | ug/l | 5 | U | ug/l | 5 | U | ug/l | .2 | U | ug/l |
| Pyrene | .5 | U | ug/l | 5 | U | ug/l | 5 | U | ug/l | .5 | U | ug/l |
| 1-Methylnaphthalene | 1 | U | ug/l | 32 | | ug/l | 20 | | ug/l | 18 | P | ug/l |
| 2-Methylnaphthalene | 1 | U | ug/l | 51 | | ug/l | 30 | | ug/l | 9.6 | P | ug/l |
| TOTAL PETROLEUM HYDROCARBON | | | | | | | | | | | | |
| Total petroleum hydrocarbon | - | | | 1 | U | mg/l | - | | | - | | |

BUILDING 7153
NTC ORLANDO, FLORIDA, MCCOY ANNEX

| | |
|---|---|
| Lab Sample Number: | S881068-7 |
| Site | 7153 |
| Locator | 048GD201/7153 DW-2 |
| Collect Date: | 25-FEB-98 |

| | VALUE | QUAL | UNITS |
|---|---|---|---|
| EPA 601/602 | | | |
| Chloromethane | 1 | U | ug/l |
| Bromomethane | 1 | U | ug/l |
| Dichlorodifluoromethane | 1 | U | ug/l |
| Vinyl chloride | 1 | U | ug/l |
| Chloroethane | 1 | U | ug/l |
| Methylene chloride | 5 | U | ug/l |
| Trichlorofluoromethane | 1 | U | ug/l |
| 1,1-Dichloroethene | 1 | U | ug/l |
| 1,1-Dichloroethane | 1 | U | ug/l |
| Cis/Trans-1,2-Dichloroethene | 1 | U | ug/l |
| Chloroform | 1.9 | | ug/l |
| 1,2-Dichloroethane | 1 | U | ug/l |
| 1,1,1-Trichloroethane | 1 | U | ug/l |
| Carbon tetrachloride | 1 | U | ug/l |
| Bromodichloromethane | 1 | U | ug/l |
| 1,2-Dichloropropane | 1 | U | ug/l |
| cis-1,3-Dichloropropene | 1 | U | ug/l |
| Trichloroethene | 1 | U | ug/l |
| Dibromochloromethane | 1 | U | ug/l |
| 1,1,2-Trichloroethane | 1 | U | ug/l |
| trans-1,3-Dichloropropene | 1 | U | ug/l |
| Bromoform | 5 | U | ug/l |
| 1,1,2,2-Tetrachloroethane | 1 | U | ug/l |
| Tetrachloroethene | 1 | U | ug/l |
| Chlorobenzene | 1 | U | ug/l |
| 1,3-Dichlorobenzene | 1 | U | ug/l |
| 1,2-Dichlorobenzene | 1 | U | ug/l |
| 1,4-Dichlorobenzene | 1 | U | ug/l |
| Chlorobenzene | 1 | U | ug/l |
| EDB | | | |
| Ethylene dibromide | .02 | U | ug/l |
| LEAD | | | |
| Lead | .0075 | | mg/l |
| Flo Pro | | | |
| Petroleum Range Organics (Fl-P | .3 | U | mg/l |
| PAH COMPOUNDS | | | |

BUILDING 7153
NTC ORLANDO, FLORIDA, MCCOY ANNEX

| | |
|---|---|
| Lab Sample Number: | S881068-7 |
| Site | 7153 |
| Locator | 048GD201/7153 DW-2 |
| Collect Date: | 25-FEB-98 |

| | VALUE | QUAL | UNITS |
|---|---|---|---|
| Acenaphthene | 1 | U | ug/l |
| Acenaphthylene | 1 | U | ug/l |
| Benzo(a)pyrene | .2 | U | ug/l |
| Benzo(g,h,i)perylene | .5 | U | ug/l |
| Benzo(b)fluoranthene | .2 | U | ug/l |
| Benzo(k)fluoranthene | .2 | U | ug/l |
| Chrysene | .2 | U | ug/l |
| Benzo(a)anthracene | .2 | U | ug/l |
| Fluoranthene | .5 | U | ug/l |
| Fluorene | .5 | U | ug/l |
| Indeno(1,2,3-cd)pyrene | .5 | U | ug/l |
| Dibenzo(a,h)anthracene | .5 | U | ug/l |
| Naphthalene | 1 | U | ug/l |
| Phenanthrene | .2 | U | ug/l |
| Anthracene | .2 | U | ug/l |
| Pyrene | .5 | U | ug/l |
| 1-Methylnaphthalene | 1 | U | ug/l |
| 2-Methylnaphthalene | 1 | U | ug/l |
| **TOTAL PETROLEUM HYDROCARBON** | | | |
| Total petroleum hydrocarbon | - | | |

BUILDING 7153 "HITS TABLE"
NTC ORLANDO, FLORIDA, MCCOY ANNEX

| Lab Sample Number: | MA269001 | | | 96100040-5 | | | 97040170-2 | | | S881068-2 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Site | 7153 | | | 7153 | | | 7153 | | | 7153 | | |
| Locator | 048GT101/7153 TW-1 | | | 048GM101/7153MW1 | | | 048GM1A1/7153 MW-1A | | | 048GM1A2/7153 MW-1A | | |
| Collect Date: | 15-FEB-96 | | | 03-OCT-96 | | | 25-APR-97 | | | 25-FEB-98 | | |
| | VALUE | QUAL | UNITS | VALUE | QUAL | UNITS | VALUE | QUAL | UNITS | VALUE | QUAL | UNITS |
| EPA 601/602 | | | | | | | | | | | | |
| Chloroform | - | | | - | U | ug/l | - | U | ug/l | - | U | ug/l |
| LEAD | | | | | | | | | | | | |
| Lead | - | | | 8 | | ug/l | - | U | ug/l | - | U | mg/l |
| Flo Pro | | | | | | | | | | | | |
| Petroleum Range Organics (Fl-P | - | | | - | | | - | | | - | U | mg/l |
| PAH COMPOUNDS | | | | | | | | | | | | |
| Acenaphthylene | - | U | ug/L | - | | | - | U | ug/l | - | U | ug/l |
| Fluorene | - | U | ug/L | - | | | - | U | ug/l | - | U | ug/l |
| Naphthalene | - | U | ug/L | - | | | 45 | | ug/l | - | U | ug/l |
| Phenanthrene | - | U | ug/L | - | | | - | U | ug/l | - | U | ug/l |
| 1-Methylnaphthalene | - | U | ug/L | - | | | 48 | | ug/l | - | U | ug/l |
| 2-Methylnaphthalene | - | U | ug/L | - | | | 45 | | ug/l | - | U | ug/l |
| TOTAL PETROLEUM HYDROCARBON | | | | | | | | | | | | |
| Total petroleum hydrocarbon | - | | | 1.9 | | mg/l | 1.5 | | mg/l | - | | |

BUILDING 7153 "HITS TABLE"
NTC ORLANDO, FLORIDA, MCCOY ANNEX

| Lab Sample Number: | 96100040-6 | | | 97040170-3 | | | S881068-3 | | | 97040170-4 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Site | 7153 | | | 7153 | | | 7153 | | | 7153 | | |
| Locator | 048GM201/7153MW1 | | | 048GM202/7153 MW-2 | | | 048GM203/7153 MW-2 | | | 048GM301/7153 MW-3 | | |
| Collect Date: | 03-OCT-96 | | | 25-APR-97 | | | 25-FEB-98 | | | 25-APR-97 | | |
| | VALUE | QUAL | UNITS | VALUE | QUAL | UNITS | VALUE | QUAL | UNITS | VALUE | QUAL | UNITS |
| EPA 601/602 | | | | | | | | | | | | |
| Chloroform | - | U | ug/l | 7.4 | | ug/l | - | U | ug/l | - | U | ug/l |
| LEAD | | | | | | | | | | | | |
| Lead | 14 | | ug/l | 8 | | ug/l | - | U | mg/l | - | U | ug/l |
| Flo Pro | | | | | | | | | | | | |
| Petroleum Range Organics (Fl-P | - | | | - | | | 2.9 | | mg/l | - | | |
| PAH COMPOUNDS | | | | | | | | | | | | |
| Acenaphthylene | - | | | - | U | ug/l | - | U | ug/l | - | U | ug/l |
| Fluorene | - | | | - | U | ug/l | 1.4 | P | ug/l | - | U | ug/l |
| Naphthalene | - | | | 10 | | ug/l | 4.7 | | ug/l | - | U | ug/l |
| Phenanthrene | - | | | - | U | ug/l | .72 | P | ug/l | - | U | ug/l |
| 1-Methylnaphthalene | - | | | 15 | | ug/l | 10 | P | ug/l | - | U | ug/l |
| 2-Methylnaphthalene | - | | | 16 | | ug/l | 9.9 | | ug/l | - | U | ug/l |
| TOTAL PETROLEUM HYDROCARBON | | | | | | | | | | | | |
| Total petroleum hydrocarbon | - | U | mg/l | - | U | mg/l | - | | | - | U | mg/l |

BUILDING 7153 "HITS TABLE"
NTC ORLANDO, FLORIDA, MCCOY ANNEX

| Lab Sample Number: | 97040170-5 | | | 97040170-6 | | | S881068-4 | | | 97070036-1 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Site | 7153 | | | 7153 | | | 7153 | | | 7153 | | |
| Locator | 048GM401/7153 MW-4 | | | 048GM501/7153 MW-5 | | | 048GM502/7153 MW-5 | | | 048GM601/7153 MW-6 | | |
| Collect Date: | 25-APR-97 | | | 25-APR-97 | | | 25-FEB-98 | | | 07-JUL-97 | | |
| | VALUE | QUAL | UNITS | VALUE | QUAL | UNITS | VALUE | QUAL | UNITS | VALUE | QUAL | UNITS |
| EPA 601/602 | | | | | | | | | | | | |
| Chloroform | - | U | ug/l | - | U | ug/l | - | U | ug/l | - | U | ug/l |
| LEAD | | | | | | | | | | | | |
| Lead | - | U | ug/l | - | U | ug/l | - | U | mg/l | - | U | ug/l |
| Flo Pro | | | | | | | | | | | | |
| Petroleum Range Organics (Fl-P | - | | | - | | | .31 | | mg/l | - | | |
| PAH COMPOUNDS | | | | | | | | | | | | |
| Acenaphthylene | - | U | ug/l | - | U | ug/l | - | U | ug/l | - | U | ug/l |
| Fluorene | - | U | ug/l | - | U | ug/l | 1.4 | | ug/l | - | U | ug/l |
| Naphthalene | - | U | ug/l | 9 | | ug/l | - | U | ug/l | - | U | ug/l |
| Phenanthrene | - | U | ug/l | - | U | ug/l | .5 | P | ug/l | - | U | ug/l |
| 1-Methylnaphthalene | 11 | | ug/l | 24 | | ug/l | 3.8 | P | ug/l | - | U | ug/l |
| 2-Methylnaphthalene | 10 | | ug/l | 27 | | ug/l | 4.4 | | ug/l | - | U | ug/l |
| TOTAL PETROLEUM HYDROCARBON | | | | | | | | | | | | |
| Total petroleum hydrocarbon | - | U | mg/l | - | U | mg/l | - | | | - | U | mg/l |

BUILDING 7153 "HITS TABLE"
NTC ORLANDO, FLORIDA, MCCOY ANNEX

| Lab Sample Number: | S881068-5 | | | 97070036-2 | | | 97070131-1 | | | S881068-6 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Site | 7153 | | | 7153 | | | 7153 | | | 7153 | | |
| Locator | 048GM602/7153 MW-6 | | | 048GD101/7153 DW-1 | | | 048GD102/7153 | | | 048GD103/7153 DW-1 | | |
| Collect Date: | 25-FEB-98 | | | 07-JUL-97 | | | 15-JUL-97 | | | 25-FEB-98 | | |
| | VALUE | QUAL | UNITS | VALUE | QUAL | UNITS | VALUE | QUAL | UNITS | VALUE | QUAL | UNITS |
| EPA 601/602 | | | | | | | | | | | | |
| Chloroform | - | U | ug/l | 4.9 | | ug/l | - | | | - | U | ug/l |
| LEAD | | | | | | | | | | | | |
| Lead | - | U | mg/l | - | U | ug/l | - | | | - | U | mg/l |
| Flo Pro | | | | | | | | | | | | |
| Petroleum Range Organics (Fl-P | - | U | mg/l | - | | | - | | | - | U | mg/l |
| PAH COMPOUNDS | | | | | | | | | | | | |
| Acenaphthylene | - | U | ug/l | - | U | ug/l | - | U | ug/l | 1.2 | | ug/l |
| Fluorene | - | U | ug/l | - | U | ug/l | - | U | ug/l | 2.5 | | ug/l |
| Naphthalene | - | U | ug/l | 28 | | ug/l | 25 | | ug/l | - | U | ug/l |
| Phenanthrene | - | U | ug/l | - | U | ug/l | - | U | ug/l | 2.1 | P | ug/l |
| 1-Methylnaphthalene | - | U | ug/l | 32 | | ug/l | 20 | | ug/l | 18 | P | ug/l |
| 2-Methylnaphthalene | - | U | ug/l | 51 | | ug/l | 30 | | ug/l | 9.6 | P | ug/l |
| TOTAL PETROLEUM HYDROCARBON | | | | | | | | | | | | |
| Total petroleum hydrocarbon | - | | | - | U | mg/l | - | | | - | | |

BUILDING 7153 "HITS TABLE"
NTC ORLANDO, FLORIDA, MCCOY ANNEX

| | |
|---|---|
| Lab Sample Number: | S881068-7 |
| Site | 7153 |
| Locator | 048GD201/7153 DW-2 |
| Collect Date: | 25-FEB-98 |

| | VALUE | QUAL | UNITS |
|---|---|---|---|
| EPA 601/602 | | | |
| Chloroform | 1.9 | | ug/l |
| LEAD | | | |
| Lead | .0075 | | mg/l |
| Flo Pro | | | |
| Petroleum Range Organics (Fl-P | - | U | mg/l |
| PAH COMPOUNDS | | | |
| Acenaphthylene | - | U | ug/l |
| Fluorene | - | U | ug/l |
| Naphthalene | - | U | ug/l |
| Phenanthrene | - | U | ug/l |
| 1-Methylnaphthalene | - | U | ug/l |
| 2-Methylnaphthalene | - | U | ug/l |
| TOTAL PETROLEUM HYDROCARBON | | | |
| Total petroleum hydrocarbon | - | | |

QAL

QUALITY ANALYTICAL LABORATORIES, INC.

# CHAIN OF CUSTODY RECORD AND AGREEMENT TO PERFORM SERVICES

**Project #:** 8519-54

**Purchase Order #:**

**Project Name:** NTC ORLANDO TMP

**Company Name:** ABB ENVIRONMENTAL SERVICES, INC

**Project Manager or Contact & Phone #:** JOHN KAISER 407-895-8845

**Report Copy to:** MANUEL ALONSO

**Requested Completion Date:** 2-28-96

**Site ID:** NTC ORLANDO

**Sample Disposal:** Dispose [X] Return [ ]

☐ LGN — One Innovation Drive, Suite C, Alachua, FL 32615-9586, (904) 462-3050 FAX (904) 462-1670

☐ LRD — 5090 Caterpillar Road, Redding, CA 96003-1412, (916) 244-5227 FAX (916) 244-4109

☒ LMG — 2567 Fairlane Drive, Montgomery, AL 36116-1622, (205) 271-2440 FAX (205) 271-3428

☐ LKW — Canviro Analytical Laboratories, Inc., 50 Bathurst, Unit 12, Waterloo, Ontario, Canada N2V 2C5, (519) 747-2575 FAX (519) 747-3806

**THIS AREA FOR LAB USE ONLY**

| Lab # | Page | of |
|---|---|---|
| MA269 | 1 | 1 |

Client Service: | Price Source: A P Q S

Acct Code: | Test Group:

Project Code: | Ack. Gen.: 8

LIMS Ver: 8 | Login: 8 | Mult.:

COC Review: 8

| Sampling Date | Sampling Time | Type COMP | Type GRAB | Matrix WATER | Matrix SOIL | CLIENT SAMPLE ID (9 CHARACTERS) | QC ID (3 CHAR) | # OF CONTAINERS | EPA 610 | EPA 602+MTBE | SAMPLE REMARKS | LAB 1 ID | LAB 2 ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2-15-95 | 0955 | | X | X | | 048GT101 | | 5 | 2 | 3 | 7153 TW-1 | 1 | |
| ↓ | 1020 | | X | X | | 050GT101 | | 5 | 2 | 3 | 7185 TW-1 | 2 | |
| | | | X | X | | 051GT101 | | 5 | 2 | 3 | 7186 TW-1 | 3 | |
| ↓ | 1032 | | X | X | | 052GT101 | | 5 | 2 | 3 | 7187 TW-1 | 4 | |

Set to SAC 8

ANALYSIS: ARE

QC LEVEL: 1 DATE DUE: 2/16/96 8

REPORT TO LISA EVANS/LMG

SHIP #: FX LAB: LRD INIT: 8

DUE 2/26/96

279 0623 464

| Sampled By & Title (Please sign and print name) | Date/Time |
|---|---|
| (SCOTT DONELICK) | 2-15-96 1600 |

| Received By (Please sign and print name) | Date/Time |
|---|---|
| | 2/16/96 1000 |

| Received By (Please sign and print name) | Date/Time |
|---|---|
| | |

| Received By (Please sign and print name) | Date/Time |
|---|---|
| | |

| Relinquished By (Please sign and print name) | Date/Time |
|---|---|
| (SCOTT DONELICK) | 2-15-96 1600 |

| Relinquished By (Please sign and print name) | Date/Time |
|---|---|
| | |

| Relinquished By (Please sign and print name) | Date/Time |
|---|---|
| | |

Shipped Via: UPS Fed-Ex Other _____

Shipping #: 8757412543

HAZWRAP/NESSA: Y (N) 8

EDATA: (Y) N

QC LEVEL (1) 2 3 OTHER _____

pH | Ice

Custody Seal | Temp

Batch Remarks:

Instructions and Agreement Provisions on Reverse Side

000019

№ [illegible]

9610040

# PC&B Laboratories, Inc.

210 Park Road, Oviedo, Fl 32765
407-359-7194 (FAX) 407-359-7197

## Chain of Custody

**Work Order:** _____

Date: 10-3-96 Page 1 of 1

COMPANY: ABB-ES
ADDRESS: 1080 Woodcock Rd Suite 100, Orlando, FL 32803
SAMPLED BY: SCOTT DONELICK
SIGN: [signature] PHONE NO: 895-8845

| | # | SAMPLE ID. | DATE/TIME | MATRIX | EPA 601 | EPA 602 | EPA 610 | EPA 624 | EPA 625 | EPA 418.1 | EPA 239.2 (Pb) | EPA 504 (EDB) | EPA 239.2 Pb, As, Cd, Cr | | | | | | | NUMBER OF CONTAINERS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A | 1 | 0576M101/7240MW1 | 10/3/96 / 1044 | $H_2O$ | 2 | 2 | 1 | | | 1 | 1 | 2 | | | | | | | | 9 |
| | 2 | 0576M201/7240MW2 | / 1124 | | 2 | 2 | 1 | | | 1 | 1 | 2 | | | | | | | | 9 |
| | 3 | 0576M301/7240MW3 | / 1217 | | 2 | 2 | 1 | | | 1 | 1 | 2 | | | | | | | | 9 |
| B | 4 | 0446M101/7184MW1 | / 1512 | | | | | 2 | 1 | 1 | | | 1 | | | | | | | 5 |
| C | 5 | 0486M101/7153MW1 | / 1337 | | 2 | 2 | 1 | | | 1 | 1 | 2 | | | | | | | | 9 |
| | 6 | 0486M201/7153MW1 | / 1409 | | 2 | 2 | 1 | | | 1 | 1 | 2 | | | | | | | | 9 |
| | 7 | | | | | | | | | | | | | | | | | | | |
| | 8 | | | | | | | | | | | | | | | | | | | |
| | 9 | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ | | | | | | | | |
| | 10 | | | | | | | | | | | | | | | | | | | |
| | 11 | | | | | | | | | | | | | | | | | | | |
| | 12 | | | | | | | | | | | | | | | | | | | |
| | 13 | | | | | | | | | | | | | | | | | | | |

| RELINQUISHED BY | DATE/TIME | RECEIVED BY | DATE/TIME |
|---|---|---|---|
| 1: [signature] | 9/27/96 | 1: [signature] | 9/27/96 1655 |
| 2: [signature] | 10/3/96 1600 | 2: [signature] | 10/3/96 |
| 3: | | 3: | |

SPECIAL INSTRUCTIONS/COMMENTS:

**PROJECT INFORMATION**

PROJECT NAME: NTC Orlando
PROJECT #: 8519-51
SITE ADDRESS: NTC Orlando, FL
PROJECT MANAGER: John Kaiser
INVOICE TO: (IF DIFFERENT FROM ABOVE) ATTN: LORENA KANDT

**SAMPLE RECEIPT**

Total No. of Containers
Chain of Custody Seals
Rec'd Good Condition/Cold
PO#:
SHIPPED VIA: P/U

No. [illegible]

# PC&B Laboratories, Inc.

210 Park Road, Oviedo, Fl 32765
407-359-7194 (FAX) 407-359-7197

## Chain of Custody

**Work Order:** 9704110

Date: 4-25-97 Page 1 of 1

COMPANY: ABB-EVS
ADDRESS: 1080 Woodcock Rd. Suite 100, Orlando, FL 32803
SAMPLED BY: Scott Donelick
SIGN: Scott Donelick PHONE NO: 895-8845

ANALYSIS REQUEST

| # | SAMPLE ID. | DATE/TIME | | MATRIX | EPA 601/602 | EPA 504 EDB | EPA 610 | EPA 418.1 | EPA 239.2 Pb | NUMBER OF CONTAINERS |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 048RB101/7153RB-1 | 4-25-97 | 0741 | H2O | 2 | 2 | 1 | 1 | 1 | 7 |
| 2 | 048GM1A1/7153MW-1A | | 1042 | | 2 | 2 | 1 | 1 | 1 | 7 |
| 3 | 048GM202/7153MW-2 | | 1112 | | 2 | 2 | 1 | 1 | 1 | 7 |
| 4 | 048GM301/7153MW-3 | | 1241 | | 2 | 2 | 1 | 1 | 1 | 7 |
| 5 | 048GM401/7153MW-4 | | 1134 | | 2 | 2 | 1 | 1 | 1 | 7 |
| 6 | 048GM501/7153MW-5 | | 1204 | | 2 | 2 | 1 | 1 | 1 | 7 |
| 7 | | | | | | | | | | |
| 8 | | | | | | | | | | |
| 9 | | | | | | | | | | |
| 10 | | | | | | | | | | |
| 11 | | | | | | | | | | |
| 12 | | | | | | | | | | |
| 13 | | | | | | | | | | |

| RELINQUISHED BY | DATE/TIME | RECEIVED BY | DATE/TIME |
|---|---|---|---|
| 1: Scott Donelick | 4-25-97 1400 | 1: [illegible] | 4/25/97 1530 |
| 2: | | 2: | |
| 3: | | 3: | |

SPECIAL INSTRUCTIONS/COMMENTS:

PROJECT INFORMATION
PROJECT NAME: NTC Orlando
PROJECT #: 8545-58
SITE ADDRESS: Building 7153
PROJECT MANAGER: John Kaiser
INVOICE TO: (IF DIFFERENT FROM ABOVE) Attn: Lorena Landt

SAMPLE RECEIPT
Total No. of Containers
Chain of Custody Seals
Rec'd Good Condition/Cold
PO#:
SHIPPED VIA

№ 3739

# PC&B Laboratories, Inc.

210 Park Road, Oviedo, Fl 32765
407-359-7194 (FAX) 407-359-7197

## Chain of Custody

**Work Order:** 970034

Date: 07-07-97 Page 1 of 1

COMPANY: ABB-ES
ADDRESS: 1080 Woodcock Road Suite 100, Orlando, FL 32803
SAMPLED BY: Manuel Alonso / Carl Spacik
SIGN:
PHONE NO: 407/845-8845

| # | SAMPLE ID. | DATE/TIME | MATRIX | EPA 601/602 | EPA 504 EDB | EPA 610 | EPA 418.1 | EPA 239.2 Pb | NUMBER OF CONTAINERS |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 048GM601/7153 MW6 | 7/7/97 12:10pm | H2O | 2 | 2 | 1 | 1 | 1 | 7 |
| N.A. 2 | 048GD101/7153 DW-1 | 7/7/97 11:35am | H2O | 2 | 2 | 1 | 1 | 1 | 7 |
| 3 | 048RB201/7153 RB 2 | 7/7/97 9:00am | H2O | 2 | 2 | 1 | 1 | 1 | 7 |
| 4 | | | | | | | | | |
| 5 | | | | | | | | | |
| 6 | | | | | | | | | |
| 7 | | | | | | | | | |
| 8 | | | | | | | | | |
| 9 | | | | | | | | | |
| 10 | | | | | | | | | |
| 11 | | | | | | | | | |
| 12 | | | | | | | | | |
| 13 | | | | | | | | | |

| RELINQUISHED BY | DATE/TIME | RECEIVED BY | DATE/TIME |
|---|---|---|---|
| 1: [signature] | 7/2/97 | 1: Manuel Alonso | 7/3/97 |
| 2: Manuel Alonso | 7/7/97 | 2: [signature] | 7/7/97 1400 |
| 3: | | 3: | |

SPECIAL INSTRUCTIONS/COMMENTS:

**PROJECT INFORMATION**

PROJECT NAME: NTC Orlando
PROJECT #: 8545-58
SITE ADDRESS: Building 7153 McCoy Annex
PROJECT MANAGER: John Kaiser
INVOICE TO: (IF DIFFERENT FROM ABOVE) Attn: Lorena Kandt

**SAMPLE RECEIPT**

Total No. of Containers: 21
Chain of Custody Seals:
Rec'd Good Condition/Cold:
PO#:
SHIPPED VIA:

# PC&B Laboratories, Inc.

210 Park Road, Oviedo, Fl 32765
407-359-7194 (FAX) 407-359-7197

## Chain of Custody

**Work Order:** 970131

Date: 7-15-97 Page 1 of 1

COMPANY: ABB-ES
ADDRESS: 1080 Woodcock Rd
Orlando, FL 32803
SAMPLED BY: Scott Donelick
SIGN: [signature] PHONE NO: 895-8845

ANALYSIS REQUEST

| # | SAMPLE ID. | DATE/TIME | MATRIX | EPA 602 | EPA 610 | | | | | | | | | | | | | | NUMBER OF CONTAINERS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 048GD102/7153 DW-1 | 7/15/97 / 1150 | W | 2 | 1 | | | | | | | | | | | | | | 3 |
| 2 | | | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | | | | | |

| RELINQUISHED BY | DATE/TIME | RECEIVED BY | DATE/TIME |
|---|---|---|---|
| 1: [signature] | 7-16-97 400 | 1: [signature] | 7/16/97 800 |
| 2: | | 2: | |
| 3: | | 3: | |

SPECIAL INSTRUCTIONS/COMMENTS:

**PROJECT INFORMATION**

PROJECT NAME: NTC Orlando
PROJECT #: 8545-58
SITE ADDRESS: Building 7153
PROJECT MANAGER: John Kaiser
INVOICE TO: (IF DIFFERENT FROM ABOVE) ATTN: LORENA KANDT

**SAMPLE RECEIPT**

| | |
|---|---|
| Total No. of Containers | |
| Chain of Custody Seals | |
| Rec'd Good Condition/Cold | |

PO#:
SHIPPED VIA: PU

Serial Number 85513

**SL** SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

# ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD


[X] 5102 LaRoche Avenue, Savannah, GA 31404 — Phone: (912) 354-7858 — Fax: (912) 352-0165
[ ] 2846 Industrial Plaza Drive, Tallahassee, FL 32301 — Phone: (904) 878-3994 — Fax: (904) 878-9504
[ ] 414 SW 12th Avenue, Deerfield Beach, FL 33442 — Phone: (954) 421-7400 — Fax: (954) 421-2584
[ ] 900 Lakeside Drive, Mobile, AL 36693 — Phone: (334) 666-6633 — Fax: (334) 666-6696
[ ] 6712 Benjamin Road, Suite 100, Tampa, FL 33634 — Phone: (813) 885-7427 — Fax: (813) 885-7049
[ ] 100 Alpha Drive, Suite 110, Destrehan, LA 70047 — Phone: (504) 764-1100 — Fax: (504) 725-1163


| PROJECT REFERENCE | PROJECT NO. | P.O. NUMBER |
|---|---|---|
| | 2530-06 | NE753107G |

| PROJECT LOC. (State) | SAMPLER(s) NAME | PHONE | FAX |
|---|---|---|---|
| FL | SCOTT DONELICK | 407-895-8845 | 407-896-6150 |

| CLIENT NAME | CLIENT PROJECT MANAGER |
|---|---|
| ABB-ES | JOHN KAISER |

CLIENT ADDRESS (CITY, STATE, ZIP): 1080 WOODLOCK ROAD, ORLANDO, FL 32803

PAGE 1 OF 1

STANDARD REPORT DELIVERY [X]
EXPEDITED REPORT DELIVERY (surcharge) [ ]
Date Due:

| SAMPLE DATE | SAMPLE TIME | SL NO. | SAMPLE IDENTIFICATION | MATRIX TYPE: AQUEOUS (WATER) | SOLID OR SEMISOLID | AIR | NONAQUEOUS LIQUID (oil, solvent, etc) | EPA 601/602 | EPA 504 EDB | EPA 239.2 Pb | EPA 610 HPLC | FL-PRO | EPA 602 ONLY | | | | | | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | REQUIRED ANALYSES | | | | | HCl | – | HNO3 | – | HCl | HCl | | | | | | |
| | | | NUMBER OF CONTAINERS SUBMITTED | | | | | | | | | | | | | | | | |
| 2-25-98 | 0915 | | 048RB301/7153 RB-3 | X | | | | 3 | 3 | 1 | 2 | 2 | | | | | | | |
| | 1106 | | 048GM1A2/7153 MW-1A | X | | | | 3 | 3 | 1 | 2 | 2 | | | | | | | |
| | 1116 | | 048GM203/7153 MW-2 | X | | | | 3 | 3 | 1 | 2 | 2 | | | | | | | |
| | 1314 | | 048GM502/7153 MW-5 | X | | | | 3 | 3 | 1 | 2 | 2 | | | | | | | |
| | 1402 | | 048GM602/7153 MW-6 | X | | | | 3 | 3 | 1 | 2 | 2 | | | | | | | |
| | 1234 | | 048GD103/7153 DW-1 | X | | | | 3 | 3 | 1 | 2 | 2 | | | | | | | |
| | 1346 | | 048GD201/7153 DW-2 | X | | | | 3 | 3 | 1 | 2 | 2 | | | | | | | |
| – | – | | TRIP | X | | | | | | | | | 1 | | | | | | |

| RELINQUISHED BY: (SIGNATURE) | DATE | TIME | RELINQUISHED BY: (SIGNATURE) | DATE | TIME | RELINQUISHED BY: (SIGNATURE) | DATE | TIME |
|---|---|---|---|---|---|---|---|---|
| S Campbell | 3/18/98 | 600 | | | | | | |
| **RECEIVED BY: (SIGNATURE)** | **DATE** | **TIME** | **RECEIVED BY: (SIGNATURE)** | **DATE** | **TIME** | **RECEIVED BY: (SIGNATURE)** | **DATE** | **TIME** |
| Scott Donelick | 2/20/98 | 1500 | | | | | | |

## LABORATORY USE ONLY

| RECEIVED FOR LABORATORY BY: (SIGNATURE) | DATE | TIME | CUSTODY INTACT | CUSTODY SEAL NO. | SL LOG NO. | LABORATORY REMARKS: |
|---|---|---|---|---|---|---|
| [signature] | 2/26/98 | 9:18 | [X] YES [ ] NO | | 58-81068 | |

# ATTACHMENT B

# GROUNDWATER LABORATORY ANALYTICAL REPORTS

Report of Analytical Results
602(MOD)-AROMATICS,STD LIST,W/WW

Date Collected: 10/09/95
Date Received: 10/10/95
Date Extracted: None
Date Analyzed: 10/12/95

Client Sample ID: 012GT101
Lab ReferenceNum: G8538

Sample ID: G8538006
Sample Matrix: Water
Sample Description: 2724 TM-1
Dilution: 1.00

| Analytical Parameter | CAS/Storet Number | Result | Units | Reporting Level |
|---|---|---|---|---|
| GC VOLATILES | | | | |
| Benzene | 71-43-2 | 1.0 U | ug/L | 1.0 |
| Chlorobenzene | 108-90-7 | 1.0 U | ug/L | 1.0 |
| 1,2-Dichlorobenzene | 95-50-1 | 1.0 U | ug/L | 1.0 |
| 1,3-Dichlorobenzene | 541-73-1 | 1.0 U | ug/L | 1.0 |
| 1,4-Dichlorobenzene | 106-46-7 | 1.0 U | ug/L | 1.0 |
| Ethylbenzene | 100-41-4 | 1.0 U | ug/L | 1.0 |
| Methyl tert-butyl ether | 1634-04-4 | 1.0 U | ug/L | 1.0 |
| Toluene | 108-88-3 | 1.0 U | ug/L | 1.0 |
| m- and p-Xylene | 108-38-3/106-42-3 | 2.0 U | ug/L | 2.0 |
| o-Xylene | 95-47-6 | 1.0 U | ug/L | 1.0 |
| Fluorobenzene - SS | 462-06-6 | 102 | %rec | |

( 4915)

Report of Analytical Results
610(MOD)-PNA W/CLEANUP,STD LIST,GC,W/WW

Date Collected: 10/09/95
Date Received: 10/10/95
Date Extracted: 10/10/95
Date Analyzed: 10/13/95

Client Sample ID: 012GT101
Lab ReferenceNum: G8538

Sample ID: G8538006
Sample Matrix: Water
Sample Description: 2724 TM-1
Dilution: 1.00

| Analytical Parameter | CAS/Storet Number | Result | Units | Reporting Level |
|---|---|---|---|---|
| GC SEMI-VOLATILES | | | | |
| Acenaphthene | 83-32-9 | 2.0 U | ug/L | 2.0 |
| Acenaphthylene | 208-96-8 | 2.0 U | ug/L | 2.0 |
| Anthracene | 120-12-7 | 2.0 U | ug/L | 2.0 |
| Benzo(a)anthracene | 56-55-3 | 2.0 U | ug/L | 2.0 |
| Benzo(a)pyrene | 50-32-8 | 2.0 U | ug/L | 2.0 |
| Benzo(b)fluoranthene | 205-99-2 | 2.0 U | ug/L | 2.0 |
| Benzo(g,h,i)perylene | 191-24-2 | 2.0 U | ug/L | 2.0 |
| Benzo(k)fluoranthene | 207-08-9 | 2.0 U | ug/L | 2.0 |
| Chrysene | 218-01-9 | 2.0 U | ug/L | 2.0 |
| Dibenzo(a,h)anthracene | 53-70-3 | 2.0 U | ug/L | 2.0 |
| Fluoranthene | 206-44-0 | 2.0 U | ug/L | 2.0 |
| Fluorene | 86-73-7 | 2.0 U | ug/L | 2.0 |
| Indeno(1,2,3-cd)pyrene | 193-39-5 | 2.0 U | ug/L | 2.0 |
| 1-Methylnaphthalene | 90-12-0 | 2.0 U | ug/L | 2.0 |
| 2-Methylnaphthalene | 91-57-6 | 2.0 U | ug/L | 2.0 |
| Naphthalene | 91-20-3 | 2.0 U | ug/L | 2.0 |
| Phenanthrene | 85-01-8 | 2.0 U | ug/L | 2.0 |
| Pyrene | 129-00-0 | 2.0 U | ug/L | 2.0 |
| 2-Fluorobiphenyl - SS | 321-60-8 | 65 | %rec | |

( 4918)

QAL QUALITY ANALYTICAL LABORATORIES, INC.

# CHAIN OF CUSTODY RECORD AND AGREEMENT TO PERFORM SERVICES

Project #: 8519.54
Purchase Order #:
Project Name: NTC Orlando - TMP Phase
Company Name: ABB Environmental Services, Inc.
Project Manager or Contact & Phone #: John Kaiser 407-895-8885
Report Copy to: Scott Donelick
Requested Completion Date: 10-18-95
Site ID: NTC ORLANDO
Sample Disposal: Dispose ☒ Return ☐

☒ LGN — One Innovation Drive, Suite C, Alachua, FL 32615-9586, (904) 462-3050 FAX (904) 462-1670
☐ LRD — 5090 Caterpillar Road, Redding, CA 96003-1412, (916) 244-5227 FAX (916) 244-4109
☐ LMG — 2567 Fairlane Drive, Montgomery, AL 36116-1622, (205) 271-2440 FAX (205) 271-3428
☐ LKW — Canviro Analytical Laboratories, Inc., 50 Bathurst, Unit 12, Waterloo, Ontario, Canada N2V 2C5, (519) 747-2575 FAX (519) 747-3806

THIS AREA FOR LAB USE ONLY
Lab #: G8538 | Page: 1 | of: 1
Client Service: Beth 10/10/95 | Price Source: (A) P Q S
Acct Code: ABB | Test Group:
Project Code: Orlando LT 527 | Ack. Gen.: ✓
LIMS Ver | Login | Mult.
COC Review

| Sampling Date | Sampling Time | Type COMP | Type GRAB | Matrix WATER | Matrix SOIL | CLIENT SAMPLE ID (9 CHARACTERS) | QC ID (3 CHAR) | # OF CONTAINERS | EPA 602 +MTBE | EPA 610 | SAMPLE REMARKS | LAB 1 ID | LAB 2 ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10-9-95 | 0915 | | X | X | | 008GM101 | | 4 | 3 | 1 | | 1 | |
| | 1027 | | X | X | | 009GT101 | | 4 | 3 | 1 | | 2 | |
| | 1015 | | X | X | | 010GT101 | | 4 | 3 | 1 | | 3 | |
| | 1100 | | X | X | | 018GT101 | | 3 | 3 | | | 4 | |
| | 1250 | | X | X | | 017GT101 | | 4 | 3 | 1 | | 5 | |
| | 1320 | | X | X | | 012GT101 | | 4 | 3 | 1 | | 6 | |

Sampled By & Title (Please sign and print name): Scott Donelick (FSL) SCOTT DONELICK — Date/Time: 10-9-95/1700
Relinquished By (Please sign and print name): Scott Donelick (SCOTT DONELICK) — Date/Time: 10-9-95 1700
Received By (Please sign and print name): B. North B. NORTH — Date/Time: 10-10-95 1015
Relinquished By (Please sign and print name): — Date/Time:
Received By (Please sign and print name): — Date/Time:
Relinquished By (Please sign and print name): — Date/Time:
Received By (Please sign and print name): — Date/Time:
Shipped Via: UPS Fed-Ex Other _____ — Shipping #: 0301781001

HAZWRAP/NESSA: Y N
EDATA: Y N
QC LEVEL 1 2 3 OTHER _____
pH ↘ | Ice Y
Custody Seal Y | Temp 4°C

Batch Remarks:

Instructions and Agreement Provisions on Reverse Side

DISTRIBUTION: Original - LAB, Yellow - LAB, Pink - Client
LAB FORM 340

000032

# ATTACHMENT B

# TANK RECYCLING AND DECONTAMINATION CERTIFICATION

1-25-96 1

# DECONTAMINATION CERTIFICATE

449508
507

1. Seller hereby sells or otherwise conveys to Commercial Metals Company the following material in return for valuable consideration, the receipt and sufficiency of which is hereby acknowledged:

| | | | |
|---|---|---|---|
| 1 - 1,120 Gallon Tank | 4'x12' | # 7242 | UST |
| 1 - 560 Gallon Tank | 3'6"x8' | # 7240 | UST |
| 1 - 550 Gallon Tank | 4'x6' | # 7185 | UST |
| 1 - 1,000 Gallon Tank | 4'x10' | # 7119 | UST |

Hauled from McCoy

2. Notwithstanding any other warranty or limitation of warranty herein or otherwise, Seller warrants and represents to Commercial Metals Company that the materials delivered hereunder do not contain any "hazardous substance" (which shall be defined as those substances included in Sec. 101(14) of the Comprehensive Environmental Response, Compensation and Liability Act, 42, U.S.C., Sec. 9601(14), and those substances that are toxic, ignitable, corrosive, and/or reactive, as those terms are defined at 40 CFR 261, Subpart C), except those "hazardous substances" which are integral constituents of the metallic fraction of the scrap metal or which are contained in the electrolytic fluid in a spent lead-acid battery. Seller will indemnify, defend, and hold Commercial Metals Company harmless from any and all claims, demands and liabilities, including reasonable attorney's fees, resulting in whole or in part from a breach of the foregoing warranty. "Seller" shall be defined herein as any person, corporation, partnership or other entity that sells, transfers, gives, or otherwise conveys materials to Commercial Metals Company.

SELLER:
Fla. Petroleum Serv. Inc.
2078 S. 441 Apopka, Fla.
Name Tom's Trucking
Title

COMMERCIAL METALS COMPANY
Name Susan Brosan
Title Scale person

3

No. 449507

DATE 1/25 1996

**Aaron Scrap Metals**
A Division of
**Commercial Metals Company**

P.O. Box 607066
Orlando, FL 32860-7066
Phone: 407-293-6584
FAX: 407-295-4908

3000 Gamson Road
Orange County Industrial Park
Apopka, FL 32703

CUSTOMER [illegible]

ADDRESS

MATERIAL

| VERIFIED BY | REFERENCE | DRIVER ON | DRIVER OFF |
|---|---|---|---|
| LC | 449508 | ✓ | |
| **WEIGHER** | **CHECK NO.** | **PAID BY CHECK** | **PAID BY CASH** |
| / | | | |
| **CASHIER** | **REMARKS** | | |
| | | | |

CUSTOMER

LOOP # 1:14PM 1-25-96 26000 lb
LOOP # 1:45PM 1-25-96 13300 lb
3930

Gross
Tare

Net @ _____ Per _____

| SIGNATURE | VEHICLE LIC.# | STATE |
|---|---|---|
| [illegible] | [illegible] | B |

$

Vendor warrants full title to or authority to sell listed materials; represents that listed materials are not, and are free from all, hazardous wastes (as defined in Federal or state regulations); and acknowledges receipt of stated funds.

Form 1513-136 1/90

---

No. 449508

DATE 1/25 1996

**Aaron Scrap Metals**
A Division of
**Commercial Metals Company**

P.O. Box 607066
Orlando, FL 32860-7066
Phone: 407-293-6584
FAX: 407-295-4908

3000 Gamson Road
Orange County Industrial Park
Apopka, FL 32703

CUSTOMER [illegible]

ADDRESS

MATERIAL [illegible]

| VERIFIED BY | REFERENCE | DRIVER ON | DRIVER OFF |
|---|---|---|---|
| LC | 449507 | ✓ | |
| **WEIGHER** | **CHECK NO.** | **PAID BY CHECK** | **PAID BY CASH** |
| | 113474 | | |
| **CASHIER** | **REMARKS** | | |
| | | | |

CUSTOMER

LOOP # 1:27PM 1-25-96 27540 lb
LOOP # 1:28PM 1-25-96 ~~16800 lb~~
44340
39300

Gross
Tare

Net @ 125 Per [illegible]

| SIGNATURE | VEHICLE LIC.# | STATE |
|---|---|---|
| [illegible] 5040 | [illegible] | B |

$63.00

Vendor warrants full title to or authority to sell listed materials; represents that listed materials are not, and are free from all, hazardous wastes (as defined in Federal or state regulations); and acknowledges receipt of stated funds.

Form 1513-136 1/90

# ATTACHMENT C

# UST INSTALLATION AND REMOVAL FORM

| | |
|---|---|
| DER Form # | 17-761.900(5) |
| Form Title | Underground Storage Tank Installation & Removal Form for Certified Contractors |
| Effective Date | 'December 10, 1990 |
| DER Application # | (Filled in by DER) |


## *Florida Department of Enviromental Regulation*

Twin Towers Office Blgd. * 2600 Blair Stone Road * Tallahassee, Florida 32399-2400


# Underground Storage Tank Installation and Removal Form For Certified Contractors

Pollutant Storage System Specialty Contractors as defined in Section 489.113, Florida Statutes(Certified contractors as defined in Section 17-761.200, Florida Adiministrative Code) shall use this form to certify that the installation, replacement or removal of the storage tank system(s) located at the address listed below was performed in accordance with Department Reference Standards.

## General Facility Information

1. DER Facility Identification No.: _____
2. Facility Name: **NAVAL TRAINING CENTER ( CODE 010E )** Telephone : **407-646-4663**
3. Street Address (physical location): **NAVAL TRAINING CENTER ORLANDO , FLA**
   **SITE # 7185 ( 1 ea.550 Gal u/g ) Site #7119 (1 ea. 1,000 gal u/g )**
4. Owner Name: Commanding Officer, Naval Training Center(Code 010E) Telephone : **407-646-4663**
5. Owner Address: **1350 Grace Hopper Ave.**
6. Number of Tanksa: Installed at this time _____ b: Removed at this time **two**
7. Tank(s) Manufactured by: **UNKNOWN**
8. .e Work Initiated: **1/1/96** 9. Dated Work Completed: **2-30-96**

## Underground Pollutant Tank Installation Checklist

Please certify the completion of the following installation requirement by placing an (x) in the appropriate box.

1. The Tanks and piping are corrosion resistant and approved for use by State and Federal Laws ☐
2. Excavation,backfill and compaction completed in accordance with NFPA(National Fire Protection Association)30(87),API (American Petroleum Institute)1615,PEI(Petroleum Equipment Institute)RP100-87 and the manufacturers' specifications. ☐
3. Tanks and piping pretested and installed in accordance with NFPA 30(87), API 1615, PEI/RP100(87) and the Manufacturers' specifications. ☐
4. Steel tanks and piping are cathodically protected in accordance with NFPA 30(87), API 1632, UL (Underwriters Laboratory) 1746, STI (steel Tank Institute) R892-89 and the manufacturer's specifications. ☐
5. Tanks and piping tested for tightness after installation in accordance with NFPA 30(87) and PEI/RP100-87. ☐
6. Monitoring well(s) or other leak detection devices installed and tested in accordance with Section 17-761.640, Florida Administrative Code (F.A.C.) ☐
7. Spill and overfill protection devices installed in accordance with Section 17-761.500, F.A.C. ☐
8. Secondary containment installed for tanks and piping as applicable in accordance with Section 17-761.500, F.A.C. ☐

Please Note: The numbers following the abbreviations (e.g. API 1615) are publication or specification numbers issued by these instututions.

## U rground Pollutant Tank Removal Checklist

1. Closure assessment performed in accordance with Section 17-761.800, F.A.C. ☐
2. Underground tank removed and disposed of as specified in API 1604 in accordance with Section 17-761.800, F.A.C. ☒

| | |
|---|---|
| DER Form # | 17-761.900(5) |
| Form Title | Underground Storage Tank Installation & Removal Form for Certified Contractors |
| Effective Date | December 10, 1990 |
| DER Application # | (Filled in by DER) |

# Certification

I hereby certify and attest that I am familiar with the facility that is registered with the Florida Department of of Environmental Regulation; that to the best of my knowledge and belief, the tank installation, replacement or removal at this facility was conducted in accordance with Chapter 489 and Section 376.303, Florida Statutes and Chapter 17-761, Florida Administrative Code and its adopted reference sources from publications and standards of the National Fire Protection Association (NFPA), the American Petroleum Institute (API), the National Association of Corrosion Engineers (NACE), American society of Testing and Materials (ASTM); Petroleum Equipment Institute (PEI); Steel Tank Institute (STI); Underwriters Laboratory (UL); and the tank and integral piping manufactrers' specifications; and that the operations on the checklist were performed accordingly.

**Florida Petroleum Services, Inc.**
**2078 S Orange Blossom Tr.**
**Apopka, Fla. 32703**

(Type or Print)
Certified Pollutant Tank Contractor Name
Pollutant Storage System Specialty Contractor License Number (PSSSC)

**PC - C045046**
PSSSC Number

Certified Tank Contractor Signature

2-1-96
Date

John Thompson
(Type or Print)
Field Supervisor Name.

2-1-96
Date

Field Supervisor Signature

2-1-96
Date

The owner or operator of the facilty must register the tanks with the Department at least 10 days before the installation. The installer must submit this form no more than 30 days after the completion of installation to the department of Environmental Regulation at the address printed at the top of page one.

# ATTACHMENT D

# GROUNDWATER LABORATORY ANALYTICAL REPORTS

METHOD: 602(MOD)
PURGEABLE AROMATICS

| | | | |
|---|---|---|---|
| Client: | QAL, Inc./LMG | Lab Sample ID: | MA311001 |
| Project: | NTC Orlando | Date Sampled: | 02/21/96 |
| Client Sample ID: | 047GT101/7119 TW-1 | Date Received: | 02/23/96 |
| Sample Matrix: | Water | Date Extracted: | N/A |
| Dilution Factor: | 1.0 | Date Analyzed: | 02/29/96 |

| Compound | Reporting Limit | Sample Result | Units |
|---|---|---|---|
| 1,2-Dichlorobenzene | 1.0 | U | ug/L |
| 1,3-Dichlorobenzene | 1.0 | U | ug/L |
| 1,4-Dichlorobenzene | 1.0 | U | ug/L |
| Benzene | 1.0 | U | ug/L |
| Chlorobenzene | 1.0 | U | ug/L |
| Ethylbenzene | 1.0 | U | ug/L |
| Toluene | 1.0 | U | ug/L |
| Xylenes (Total) | 1.0 | U | ug/L |
| tert-Butyl methyl ether | 1.0 | U | ug/L |
| Fluorobenzene-SS | | 94 | % rec. |

U = Not detected above the reporting limit.
SS = Surrogate Standard reported as percent recovery.

Comments:

Approved by: Brian Gelia

FORM I

kdl.039

Quality Analytical Laboratories Inc.
5090 Caterpillar Road, Redding, CA 96003-1412
916 244-5227
Fax No. 916 244-4109

# ORGANICS ANALYSIS DATA SHEET

| | | | | | |
|---|---|---|---|---|---|
| Laboratory Name: | CH2M HILL/QAL | Concentration: | LOW | Date Extracted: | 02/22/96 |
| Lab Sample ID: | MA311001 | Sample Matrix: | WATER | Date Analyzed: | 03/04/96 |
| Client Sample ID: | 047GT101 | Volume Extracted: | 950mL | Dilution Factor: | 1 |
| | 7119 TW-1 | | | | |

## PNA COMPOUNDS

| CAS Number | | ug/L | |
|---|---|---|---|
| 91-20-3 | Naphthalene . . . . . | 2 | U |
| 91-57-6 | 2-Methylnaphthalene . . . | 2 | U |
| 90-12-0 | 1-Methylnaphthalene . . . | 2 | U |
| 208-96-8 | Acenaphthylene . . . . . | 2 | U |
| 83-32-9 | Acenaphthene . . . . . | 2 | U |
| 86-73-7 | Fluorene. . . . . | 2 | U |
| 85-01-8 | Phenanthrene. . . . . | 2 | U |
| 120-12-7 | Anthracene. . . . . | 2 | U |
| 206-44-0 | Fluoranthene. . . . . | 2 | U |
| 129-00-0 | Pyrene. . . . . | 2 | U |
| 56-55-3 | Benzo(a)anthracene. . . . | 2 | U |
| 218-01-9 | Chrysene. . . . . | 2 | U |
| 205-99-2 | Benzo(b)fluoranthene . . | 2 | U |
| 207-08-9 | Benzo(k)fluoranthene . . | 2 | U |
| 50-32-8 | Benzo(a)pyrene. . . . . | 2 | U |
| 193-39-5 | Indeno(1,2,3-cd)pyrene. . | 2 | U |
| 53-70-3 | Dibenzo(a,h)anthracene. . | 2 | U |
| 191-24-2 | Benzo(g,h,i)perylene. . . | 2 | U |
| | Terphenyl-d14 - SS | 81 | % |

U - Analyzed for but not detected.
B - Detected in QC blank.
J - Detected, concentration estimated.
SS - Surrogate Standard reported as percent recovery.

Comments:

Form I

QAL

QUALITY ANALYTICAL LABORATORIES, INC.

# CHAIN OF CUSTODY RECORD AND AGREEMENT TO PERFORM SERVICES

**Project #** 8519-54

**Purchase Order #**

**Project Name** NTC Orlando TMP

**Company Name** ABB Environmental Services, Inc.

**Project Manager or Contact & Phone #** John Kaiser 407-895-8845

**Report Copy to:** Manuel Alonso

**Requested Completion Date:** 3-10-96

**Site ID** NTC Orlando

**Sample Disposal:** Dispose ☒ Return ☐

☐ **LGN** One Innovation Drive, Suite C, Alachua, FL 32615-9586, (904) 462-3050 FAX (904) 462-1670

☒ **LMG** 2567 Fairlane Drive, Montgomery, AL 36116-1622, (205) 271-2440 FAX (205) 271-3428

☐ **LRD** 5090 Caterpillar Road, Redding, CA 96003-1412, (916) 244-5227 FAX (916) 244-4109

☐ **LKW** Canviro Analytical Laboratories, Inc., 50 Bathurst, Unit 12, Waterloo, Ontario, Canada N2V 2C5, (519) 747-2575 FAX (519) 747-3806

**THIS AREA FOR LAB USE ONLY**

Lab # MA311 | Page | of

Client Service | Price Source A P Q S

Acct Code | Test Group

Project Code | Ack. Gen. [initials]

LIMS Ver [initials] | Login [initials] | Mult.

COC Review [initials]

**ANALYSES REQUESTED**

279 0624 112

set to SA [initials]

| Sampling Date | Sampling Time | Type COMP | Type GRAB | Matrix WATER | Matrix SOIL | CLIENT SAMPLE ID (9 CHARACTERS) | QC ID (3 CHAR) | # OF CONTAINERS | EPA 610 | EPA 602 + MTBE | SAMPLE REMARKS | LAB 1 ID | LAB 2 ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2-21-96 | 0952 | | X | X | | 047GT101 | | 5 | 2 | 3 | 7119 TW-1 | 001 | |
| ↓ | 1030 | | X | X | | 053GT101 | | 5 | 2 | 3 | 7190 TW-1 | 002 | |
| | 1100 | | X | X | | 057GT101 | | 5 | 2 | 3 | 7240 TW-1 | 003 | |
| | 1424 | | X | X | | 006GT101 | | 5 | 2 | 3 | 2273 TW-1 | 004 | |
| | | | | | | | | | GPE (A) | ARE (A) | | | |

ANALYSIS ARE

QC LEVEL 1 DATE DUE 3/5/96

REPORT TO LISA EVANS/LMG

SHIP # FX LAB LRD INIT [initials]

| | | | |
|---|---|---|---|
| Sampled By & Title (Please sign and print name) Scott Donelick (SCOTT DONELICK) | Date/Time 1500 2-21-96 | Relinquished By (Please sign and print name) Scott Donelick (SCOTT DONELICK) | Date/Time 1700 2-21-96 |
| Received By (Please sign and print name) | Date/Time | Relinquished By (Please sign and print name) | Date/Time |
| Received By (Please sign and print name) [signature] | Date/Time 2/22/96 0930 | Relinquished By (Please sign and print name) | Date/Time |
| Received By (Please sign and print name) | Date/Time | Shipped Via UPS Fed-Ex Other | Shipping # 8757412510 |

HAZWRAP/NESSA: Y N

EDATA: Y N

QC LEVEL 1 2 3 OTHER

pH | Ice

Custody Seal | Temp

**Batch Remarks:** COMMENT: 602+ MTBE

000021