

N65928.AR.002648
NTC ORLANDO
5090.3a

LETTER RECOMMENDING NO FURTHER ACTION PROPOSAL FOR CONTAMINATION
ASSESSMENT REPORT ADDENDUM AT BUILDING 7239 NTC ORLANDO FL
10/31/1997
ABB ENVIRONMENTAL



FILE COPY

October 31, 1997

Document No.: 02530.041

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: Contamination Assessment Report Addendum
Building 7239, Main Base
Naval Training Center, Orlando, Florida
CTO 107, Contract No.: N62467-89-D-0317**

Dear Mr. Mitchell:

In response to the Florida Department of Environmental Protection Contamination Assessment Review letter dated August 22, 1997 (Attachment A) for the above-referenced site, ABB Environmental Services, Inc. (ABB-ES), sampled monitoring wells MW-1, MW-2, and MW-3 for lead. On September 15, 1997, monitoring wells MW-1, MW-2, and MW-3 (see Attachment B, Figure 1) were sampled using the quiescent sampling method. Groundwater samples were transported to PC&B Environmental Laboratories, Inc. of Oviedo, Florida for analysis using U.S. Environmental Protection Agency (USEPA) Method 239.2, total lead. Laboratory analytical results indicate the presence of lead at concentrations below the State of Florida cleanup target level of 15 micrograms per liter ($\mu\text{g/l}$) in monitoring wells MW-2 (5 $\mu\text{g/l}$) and below laboratory standard detection limits in MW-3 (<3 $\mu\text{g/l}$). Monitoring well MW-1 reported total lead at 38 $\mu\text{g/l}$, above the State's cleanup target level.

On October 13, 1997, ABB-ES re-developed monitoring well MW-1 in an attempt to lower turbidity values. Two groundwater samples (one filtered and one unfiltered) were collected from monitoring well MW-1 using the quiescent sampling method on October 16, 1997, and transported to Savannah Laboratories & Environmental Services, Inc. of Savannah, Georgia for analysis using USEPA Method 239.2, total lead and dissolved lead. Laboratory analytical results for the October 16, 1997, sampling event indicate that lead is below standard laboratory detection limit (<5 $\mu\text{g/l}$) in both the filtered and unfiltered sample. Laboratory analytical results have been summarized in Table 1 (Attachment C). A copy of the laboratory analytical results are included as Attachment D.

Based on the laboratory analytical results and the information provided in the Contamination Assessment Report dated July 1997, ABB-ES recommends a No Further Action proposal for Building 7239, McCoy Annex.

ABB Environmental Services Inc.

Sponsor
Special Olympics
World Games
Connecticut 1995



1080 Woodcock Road, Suite 100
St. Pauli Building
Orlando, Florida 32803

Telephone (407) 895-8845
Fax (407) 896-6150

Mr. John Mitchell
October 31, 1997
Page 2 of 2

Should you have any questions regarding this information, please call the undersigned at (407) 895-8845.

Very Truly Yours,
ABB ENVIRONMENTAL SERVICES, INC.



Scott Donelick
Geologist


11/4/97

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

SD/MA/lak
Attachment

cc: Wayne Hansel, Southern Division
Nick Ugolini, Southern Division
Lt. Gary Whipple, NTC, Orlando
John Kaiser, ABB-ES
Nancy Rodriguez, USEPA Region IV
Bob Cohose, Bechtel, Knoxville
Steve McCoy, Brown and Root, Oak Ridge
Bill Bostwick, FDEP Central District

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ATTACHMENT A

**Florida Department of Environmental Protection
Contamination Assessment Report Review Letter
August 22, 1997**

CTO 137
028.8558

Department of Environmental Protection

Lawton Chiles
Governor

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

Virginia B. Wether
Secretary

August 22, 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

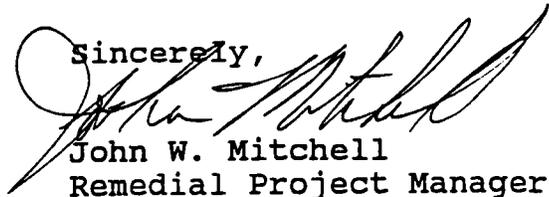
RE: Contamination Assessment Report, Building 7239, McCoy Annex,
NTC Orlando
FDEP #488840202

Dear Mr. Ugolini:

I have completed the technical review of the above referenced Contamination Assessment Report dated July 1997 (received July 17, 1996) submitted for Building 7239. I cannot concur with the No Further Action Proposal due to lead exceeding the regulatory level of 15 $\mu\text{g}/\text{L}$ in monitoring wells MW-1, MW-2 and MW-3. Although the text in the CAR indicates that the samples were turbid, there is no confirmation of this in the analytical data. I recommend resampling these wells using a quiescent sampling method and analyze for lead only. Please submit a Contamination Assessment Report Addendum upon completion of the analysis.

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
Lt. Gary Whipple, NTC Orlando
John Kaiser, ABB, Orlando
Nancy Rodriguez, USEPA Region IV
Bob Cohose, Bechtel, Knoxville
Steve McCoy, Brown and Root, Oak Ridge
Bill Bostwick, FDEP Central District

cc: J. Kaiser
M. Alonso
S. Donelic
File

TJB

B

JJC

JJC

ESN

ESN

ATTACHMENT B

Figure

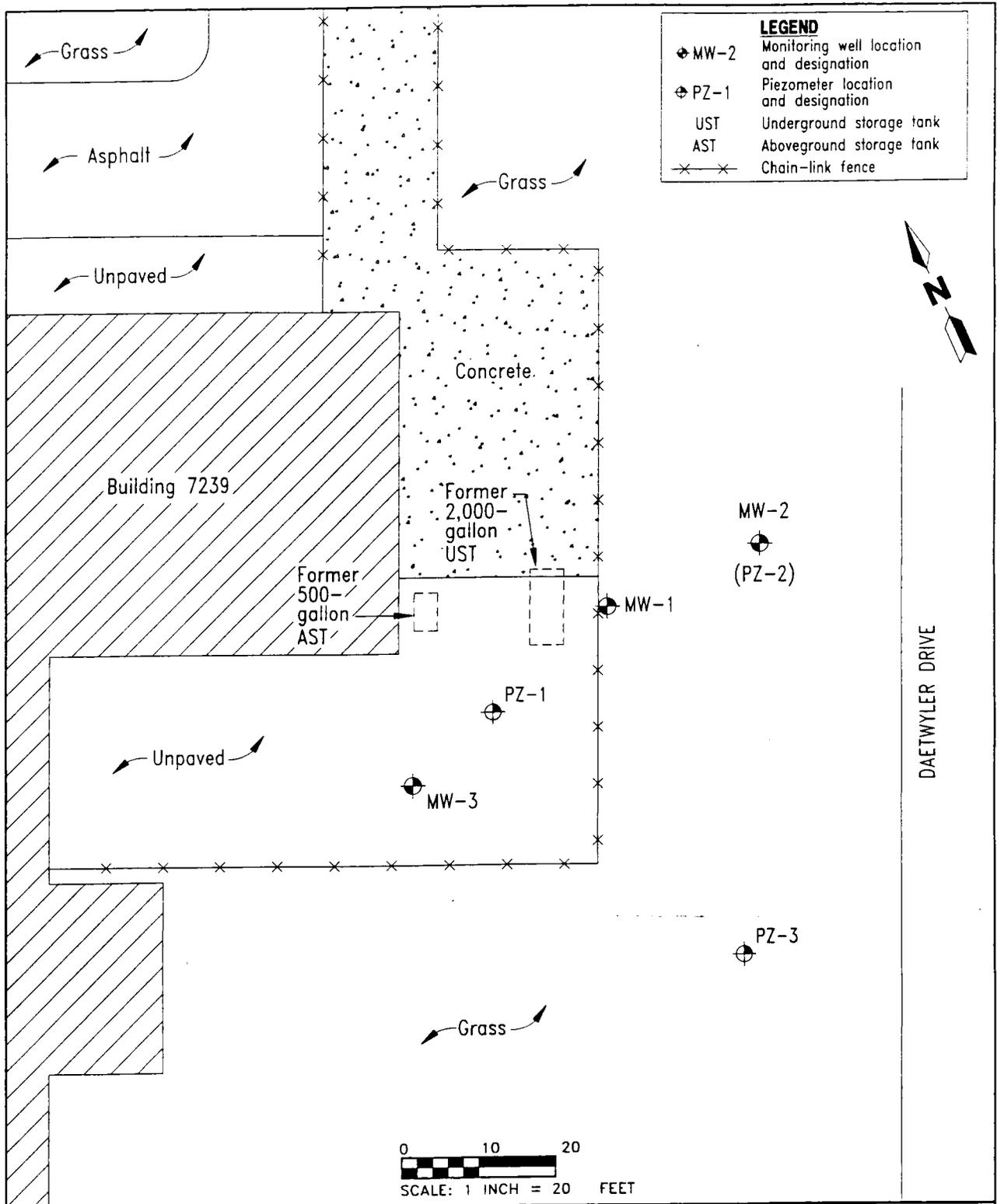


FIGURE 1
MONITORING WELL
LOCATION PLAN



CONTAMINATION
ASSESSMENT REPORT
BUILDING 7239
MCCOY ANNEX
NAVAL TRAINING CENTER
ORLANDO, FLORIDA

H:\OLD\CAR\7239\7239BASE.DWG. -BB 06/19/97 15:06:08, AutoCAD R12

ATTACHMENT C

Table

Table 1
Summary of Groundwater Analytical Results

Contamination Assessment Report Addendum
Building 7239, McCoy Annex
Naval Training Center
Orlando, Florida

| Parameter | Chapter 62-770, FAC Target Cleanup Levels (ppb) | Monitoring Well/Sample Date | | | | | | | |
|---------------|--|-----------------------------|--------|---------|----------|--------|---------|--------|---------|
| | | TW-1 | | MW-1 | | MW-2 | | MW-3 | |
| | | 2/15/97 | 5/2/97 | 9/15/97 | 10/16/97 | 5/2/97 | 9/15/97 | 5/2/97 | 9/15/97 |
| Benzene | 1 | <1 | <1 | NA | NA | <1 | NA | <1 | NA |
| Toluene | 40 | <1 | <1 | NA | NA | <1 | NA | <1 | NA |
| Ethylbenzene | 30 | <1 | <1 | NA | NA | <1 | NA | <1 | NA |
| Total xylenes | 20 | <1 | <1 | NA | NA | <1 | NA | <1 | NA |
| MTBE | 35 | <1 | <5 | NA | NA | <5 | NA | <5 | NA |
| EDB | 0.02 | NA | <0.02 | NA | NA | <0.02 | NA | <0.02 | NA |
| Total lead | 15 | NA | 38 | 38 | <5 | 16 | 5 | 58 | <3 |
| TRPH (mg/l) | 5 | NA | <1 | NA | NA | <1 | NA | <1 | NA |
| Acenaphthene | 20 | 7 | <5 | NA | NA | <5 | NA | <5 | NA |
| Phenanthrene | 210 | 6 | <5 | NA | NA | <5 | NA | <5 | NA |
| Anthracene | 2100 | 4 | <5 | NA | NA | <5 | NA | <5 | NA |
| Pyrene | 210 | 7 | <5 | NA | NA | <5 | NA | <5 | NA |

Notes: All concentrations in micrograms per liter, unless otherwise noted.

FAC = Florida Administrative Code.

ppb = parts per billion.

< = less than.

NA = not available.

Total VOAs = sum of the concentrations of benzene, toluene, ethylbenzene, and xylenes.

VOAs = volatile organic aromatics.

MTBE = methyl tert-butyl ether.

EDB = ethylene dibromide.

TRPH = total recoverable petroleum hydrocarbons.

mg/l = milligrams per liter.

ATTACHMENT D

Groundwater Laboratory Analytical Reports

PC&B Environmental Laboratories, Inc.
210 Park Road
Oviedo, FL 32765
PHONE: 407-359-7194

Report of Analysis

CLIENT NAME: ABB Environmental Services
PROJECT NAME: NTC Orlando
PROJECT NUMBER: 8545-58
DATE RECEIVED: 09/15/1997

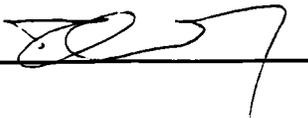
| | | | |
|-----------------------------|-----------------------|-----------------------|-----------------------|
| Lab Reference Number | 97090113-1 | 97090113-2 | 97090113-3 |
| Client Sample ID | 056GM102/7239 MW-1 | 056GM202/7239 MW-2 | 056GM302/7239 MW-3 |
| Date Sampled | 09/15/1997 | 09/15/1997 | 09/15/1997 |
| Sample Matrix (as Received) | Water | Water | Water |

| | | | | | |
|----------|-------------|------|----|---|-----|
| EPA 6010 | Lead, Total | ug/l | 38 | 5 | 3 U |
|----------|-------------|------|----|---|-----|

U = Undetected. The value preceding the 'U' is the MDL for the analyte. Results reported on a Wet Weight basis.

FDEP CompQAPP # 900134G - FHRS Certification # E83239/83353

Reviewed by :



PC&B Laboratories, Inc.

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

Chain of Custody

Work Order: 9709113

Date: 9-15-97 Page 1 of 1

| COMPANY <u>AAB-ES</u> ADDRESS <u>1080 Woodcock Rd</u> <u>Orlando, FL 32803</u> SAMPLED BY <u>Scott Donelick</u> SIGN <u>Scott Donelick</u> PHONE NO: <u>895-8845</u> | | | ANALYSIS REQUEST | | | | | | | | | | NUMBER OF CONTAINERS | | |
|--|---------------------------|-----------------------|------------------|--|--|--|--|--|--|--|--|--|----------------------|--|--|
| | | | EPA 239.2 PL | | | | | | | | | | | | |
| # | SAMPLE ID. | DATE/TIME | MATRIX | | | | | | | | | | | | |
| 1 | <u>0566M102/7239 MW-1</u> | <u>9-15-97 / 1148</u> | <u>GW</u> | | | | | | | | | | | | |
| 2 | <u>0566M202/7239 MW-2</u> | <u>↓ / 1210</u> | <u>GW</u> | | | | | | | | | | | | |
| 3 | <u>0566M302/7239 MW-3</u> | <u>↓ / 1219</u> | <u>GW</u> | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | |

| | | | | | | | |
|--------------------------|--|-------------------|--|--------------------|--|-------------------|--|
| RELINQUISHED BY | | DATE/TIME | | RECEIVED BY | | DATE/TIME | |
| 1: <u>Scott Donelick</u> | | 1: <u>9-15-97</u> | | 1: <u>Donelick</u> | | 1: <u>9/15/97</u> | |
| 2: | | 2: <u>1510</u> | | 2: | | 2: <u>1600</u> | |
| 3: | | 3: | | 3: | | 3: | |

| | | | |
|---------------------------------------|--|---------------------------|--|
| PROJECT INFORMATION | | SAMPLE RECEIPT | |
| PROJECT NAME: <u>NTC Orlando</u> | | Total No. of Containers | |
| PROJECT #: <u>8545-58</u> | | Chain of Custody Seals | |
| SITE ADDRESS: <u>BUILDING 7239</u> | | Rec'd Good Condition/Cold | |
| PROJECT MANAGER: <u>John Kaiser</u> | | PO#: | |
| INVOICE TO: <u>Attn: Lorena Kandt</u> | | SHIPPED VIA: | |
| SPECIAL INSTRUCTIONS/COMMENTS: | | | |

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

5102 LaRoche Avenue • Savannah, GA 31404 • (912) 354-7858 • Fax (912) 352-0165

LOG NO: S7-75903
Received: 17 OCT 97
Reported: 28 OCT 97

Ms. Lorena Kandt
ABB Environmental Services, Inc.
1080 Woodcock Road
Orlando, FL 32803

S7ABORQC
Client PO. No.: NE753107G

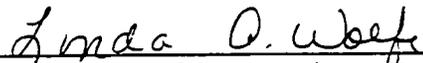
Requisition: RFP#ATQ97-031
Contract No.: N62467-89-D-0317
Project: NTC Orlando/2547.06/SDG#ABOR07
Sampled By: Client
Code: 145871028

REPORT OF RESULTS

Page 2

| LOG NO | SAMPLE DESCRIPTION , LIQUID SAMPLES | DATE/ TIME SAMPLED | SDG# |
|--------------------------------|-------------------------------------|-----------------------|--------|
| 75903-3 | 056GM103/7239 MW-1 | 10-16-97/1222 | ABOR07 |
| PARAMETER | | 75903-3 | |
| Lead (Dissolved) (239.2) | | | |
| Lead (Dissolved) (239.2), mg/l | | 0.0050U | |
| Preparation Date | | 10.23.97 | |
| Date Analyzed | | 10.24.97 | |
| Dilution factor | | 1.0 | |
| Batch ID | | 1023L | |
| Lead (239.2) | | | |
| Lead (239.2), mg/l | | 0.0050U | |
| Preparation Date | | 10.23.97 | |
| Date Analyzed | | 10.24.97 | |
| Dilution factor | | 1.0 | |
| Batch ID | | 1023L | |

Methods: EPA SW-846


Linda A. Wolfe, Project Manager

Final Page Of Report

