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NTC ORLANDO
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LETTER SUBMITTING ANALYTICAL DATA RESULTS FOR OIL WATER SEPARATOR
ASSESSMENT REPORT AT BUILDING 354 MAIN BASE NTC ORLANDO FL
9/3/1997
ABB ENVIRONMENTAL



49

September 3, 1997

Document No.: 08545.028

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

UST

Subject: Oil/Water Separator Assessment Report
Building 354, Main Base
Naval Training Center, Orlando, Florida
CTO 107, Contract No.: N62467-89-D-0317

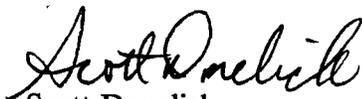
Dear Mr. Mitchell:

As requested in your letter dated July 14, 1997 (attached), ABB Environmental Services, Inc. (ABB-ES), has sampled the groundwater at the above-referenced site. On August 25, 1997, a temporary well (TW-1A) was installed at the former location of temporary well TW-1 (See Figure 1) and sampled. The groundwater sample was transported to PC&B Environmental Laboratories, Inc. in Oviedo, Florida for analysis using U.S. Environmental Protection Agency Method 624. Laboratory analytical results indicate that all compounds sampled for including chloroform and bromodichloromethane are below standard laboratory detection limits. A copy of the laboratory analytical results are attached.

Based on the laboratory analytical results and the information included within the Oil/Water Separator Assessment Report, ABB-ES recommends no further assessment for the site.

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


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

SD/MA/lak

cc: Wayne Hansel, Southern Division
Nick Ugolini, Southern Division
Lt. Gary Whipple, NTC, Orlando
John Kaiser, ABB-ES
File

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ABB Environmental Services Inc.

747.08545

Department of Environmental Protection

Lawton Chiles
Governor

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

Virginia B. Wetherell
Secretary

July 14, 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: Oil Water Separator Assessment Reports (OWSARs), Buildings
354 and 2078, Naval Training Center, Orlando, Florida

Dear Mr. Ugolini:

I have completed the technical review of the above
referenced reports dated June 1997 (received June 16, 1997).
Based upon the sampling and analysis, no further investigation is
needed for the oil water separator at Buildings 2078.

Further groundwater analysis is needed at Building 354 due
to exceedances of the Florida Groundwater Guidance Concentrations
for chloroform and bromodichloromethane. Additional sampling and
analysis of the groundwater is necessary unless the assumption
can be proven by the laboratory that these compounds were
detected due to laboratory-introduced contamination. Analysis is
only needed using EPA Method 624/8240.

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

Sincerely,

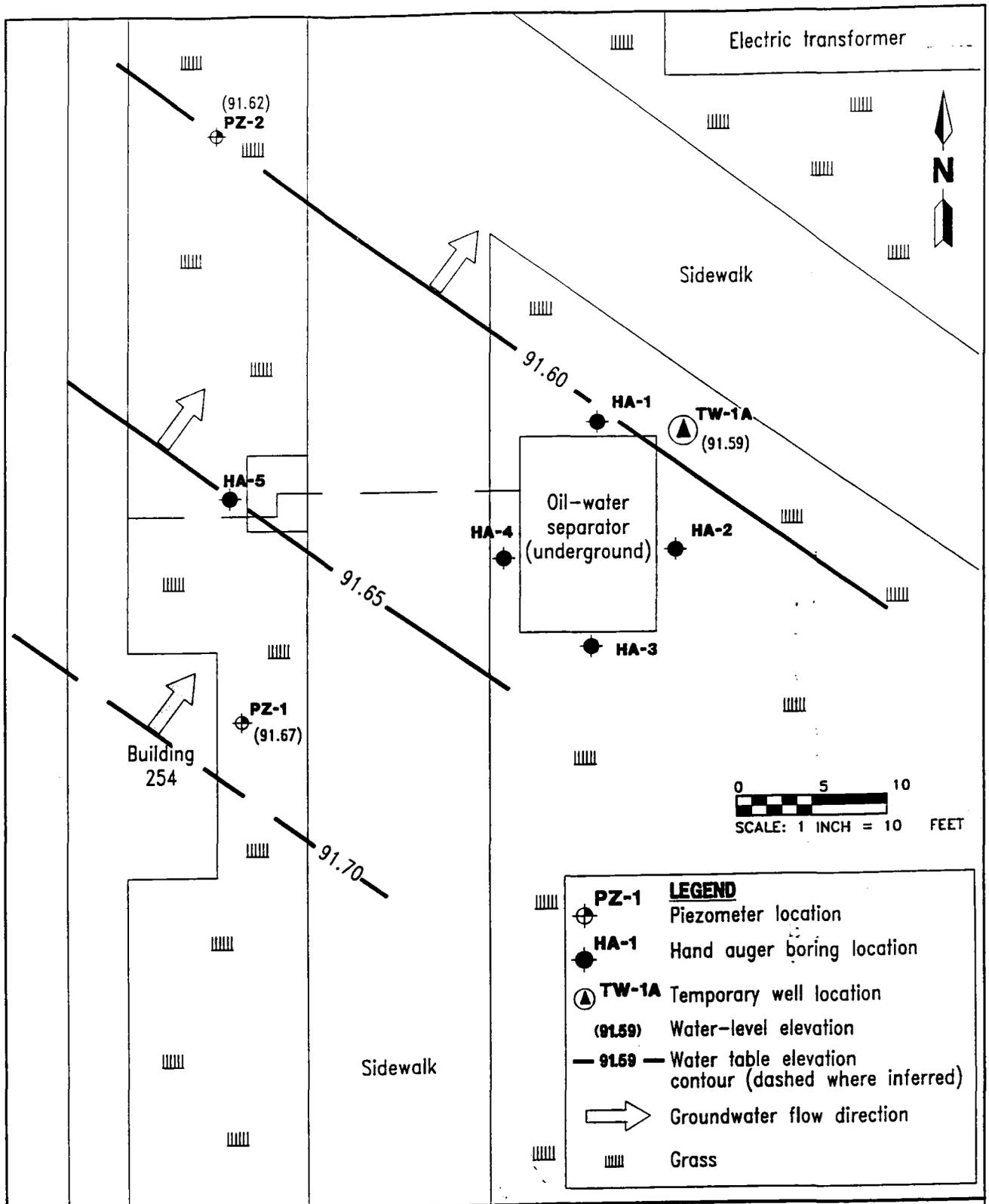
John W. Mitchell
Remedial Project Manager

cc: Wayne Hansel, Navy SouthDiv
Lt. Gary Whipple, NTC Orlando
John Kaiser, ABB Orlando
Steve McCoy, Brown and Root, Oak Ridge
Bob Cohose, Bechtel, Knoxville
Nancy Rodriguez, USEPA Region 4
Bill Bostwick, FDEP Central District

TJB B

JJC B for JC

ESN ESN



**FIGURE 1
SITE MAP**



**OIL-WATER SEPARATOR
ASSESSMENT REPORT
BUILDING 354**

**NAVAL TRAINING CENTER
ORLANDO, FLORIDA**



PC&B Environmental Laboratories, Inc

210 Park Road, Oviedo, Florida 32765
Phone: 407-359-7194 Fax: 407-359-7197

COPY

08-29-1997

John Kaiser
ABB Environmental Services
1080 Woodcock Road, Suite 100
Orlando, FL 32803-

Dear John Kaiser:

Enclosed are the results of the analysis of your samples received 08/26/1997.

Our laboratory is certified by the Florida DHRS (Lab #E83239) and operates under an FDEP approved Comprehensive Quality Assurance Plan (#900134G). Unless otherwise noted, all results are reported as wet weight. All data were determined in accordance with published procedures (EPA-600/4-79-020), Methods for Chemical Analysis of Water and Wastes, Revised March 1983 and/or Standard Methods for the examination of Water and Wastewater, 18th Edition 1989 and/or Test Methods for Evaluating Solid Waste (EPA-SW-846, Revised January 1995), unless stated otherwise in our CompQapp under method modifications.

If you have any questions, please do not hesitate to give me a call.

Sincerely,



Declan Cowley
Laboratory Director



PC&B Environmental Laboratories, Inc.

210 Park Road, Oviedo, Florida 32765
Phone: 407-359-7194 Fax: 407-359-7197

Client : ABB Environmental Services
1080 Woodcock Road, Suite 100
Orlando, FL 32803-

Contact : John Kaiser
Phone : (407) 895-8845

Laboratory Reference Number : 97080202

Project Name : ABB-ES NTC Orlando
Project Number : 8545-58
Sample temperature at time of receipt: 4 degrees C

Chain of Custody : 3442

Laboratory ID	Matrix	Client ID	Status	Date/Time Sampled
97080202-1	Water	07GT1A1/354 TW-1A	RUN	08/25/1997 11:24

Number	Parameter	Description
1	EPA 624/8240	Volatile Organics by GCMS

PC&B Environmental Laboratories, Inc.
210 Park Road
Oviedo, FL 32765
PHONE: 407-359-7194
FAX: 359-7197

Volatile Organics by GCMS

CLIENT NAME: ABB Environmental Services
PROJECT NAME: ABB-ES NTC Orlando
PROJECT NUMBER: 8545-58
DATE RECEIVED: 08/26/1997
ANALYTICAL PROTOCOL: EPA 624/8240

Lab Reference Number	97080202-1
Client Sample ID	07GT1A1/354 TW-1A
Date Sampled	08/25/1997
Date Extracted	08/27/1997
Date Analyzed	08/27/1997
Sample Matrix (as Received)	Water
Analysis Confirmed	GCMS
Dilution Factor	1
Result Units	ug/l
Benzene	1.0 U
Bromodichloromethane	1.0 U
Bromoform	1.0 U
Bromomethane	1.0 U
Carbon tetrachloride	1.0 U
Chlorobenzene	1.0 U
Chlorodibromomethane	1.0 U
Chloroethane	1.0 U
2-Chloroethyl vinyl ether	1.0 U
Chloroform	1.0 U
Chloromethane	1.0 U
Dibromomethane	1.0 U
1,2-Dibromomethane	1.0 U
Dichlorodifluoromethane	1.0 U
1,1-Dichloroethane	1.0 U
1,2-Dichloroethane	1.0 U
1,1-Dichloroethene	1.0 U
1,2-Dichlorobenzene	1.0 U
1,3-Dichlorobenzene	1.0 U
1,4-Dichlorobenzene	1.0 U
trans-1,2-Dichloroethene	1.0 U
cis-1,2-Dichloroethene	1.0 U
1,2-dichloropropane	1.0 U
cis-1,3-Dichloropropene	1.0 U
trans-1,3-Dichloropropene	1.0 U
Ethylbenzene	1.0 U
Methylene chloride	1.0 U
Styrene	1.0 U
1,1,2,2-Tetrachloroethane	1.0 U
1,1,1,2-Tetrachloroethane	1.0 U
Tetrachloroethene	1.0 U
Toluene	1.0 U
1,1,1-Trichloroethane	1.0 U
1,1,2-Trichloroethane	1.0 U
Trichloroethene	1.0 U
Trichlorofluoromethane	1.0 U
1,2,3-trichloropropane	1.0 U
Vinyl chloride	1.0 U
Xylenes (total)	1.0 U
Acetone	25 U
Acetonitrile	25 U
Acrolein	25 U
Acrylonitrile	25 U
Carbon disulfide	25 U
2-Butanone	25 U
2-Hexanone	25 U
4-Methyl-2-pentanone	25 U
Vinyl acetate	25 U
MTBE	5.0 U
(Surr) 1,2-Dichloroethane (%)	86
(Surr) Toluene-d8 (%)	102
(Surr) 4-Bromofluorobenzene (%)	98

U = Undetected. The value preceeding the 'U' is the MDL for the analyte, based on dilution. Results reported on a Wet Weight basis.

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

Reviewed by : 

Quality Control Report for Spike Analysis

Volatile Organics by GCMS

Matrix: Water
Lab Sample ID: 97080204-1
QC Batch ID: 9708MS1058
Spike Units: ug/l

Analysis Date: 08/27/1997
Preparation Date: 08/27/1997
Method: EPA 624
Analyst: NM

Analyte	Spike Amount	Sample Result	Spike Result	Percent Recovery	Lower Control Limit	Upper Control Limit
Benzene	50.0	0.0	60.0	120	53	152
Carbon tetrachloride	50.0	0.0	52.0	104	54	143
Chlorobenzene	50.0	0.0	52.0	104	63	131
1,1-Dichloroethene	50.0	0.0	54.0	108	49	157
1,4-Dichlorobenzene	50.0	0.0	51.0	102	56	141
Ethylbenzene	50.0	0.0	52.0	104	63	130
Toluene	50.0	0.0	48.0	96	53	140
Trichloroethene	50.0	0.0	50.0	100	54	144
Xylenes (total)	50.0	0.0	52.0	104	75	120

PC&B Laboratories, Inc.

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

Nº 3442

Chain of Custody

Work Order: 9708202

Date: 8-25-97 Page 1 of 1

COMPANY <u>ABB-ES</u>				ANALYSIS REQUEST										NUMBER OF CONTAINERS
ADDRESS <u>1080 Woodcock Rd, Suite 100</u> <u>Orlando, FL 32803</u>														
SAMPLED BY <u>Scott Donelick</u>														
SIGN <u>SCOTT DONELUCK</u> PHONE NO: <u>895-8845</u>														
#	SAMPLE ID.	DATE/TIME	MATRIX											
1	<u>0726-TIA 1/354-TIA</u>	<u>8-25-97/1124</u>	<u>W</u>	EPA 624										2
2														
3														
4														
5														
6														
7														
8														
9														
10														
11														
12														
13														

RELINQUISHED BY		DATE/TIME	RECEIVED BY		DATE/TIME	PROJECT INFORMATION		SAMPLE RECEIPT	
1: <u>Scott Donelick</u>		<u>8-25-97</u> <u>1700</u>	1: <u>Blumett</u>		<u>8/26/97</u> <u>1500</u>	PROJECT NAME: <u>ABB-ES NTC Orlando</u>		Total No. of Containers	
2:			2:			PROJECT #: <u>8545-58</u>		Chain of Custody Seals	
3:			3:			SITE ADDRESS: <u>BUILDING 354</u>		Rec'd Good Condition/Cold	
							PO#:		
SPECIAL INSTRUCTIONS/COMMENTS:					PROJECT MANAGER: <u>John Kaiser</u>		SHIPPED: <u>AK</u> VIA		
					INVOICE TO: <u>Attn: Lorena Kaudt</u>				