N60200.AR.000787
NAS CECIL FIELD, FL
5090.3a

STORAGE TANK CLOSURE ASSESSMENT FORM FOR BUILDING 190 WITH ATTACHMENTS NAS CECIL FIELD FL
11/27/1995
INNOVATIVE SERVICES INTERNATIONAL

Florida Department of Environmental Regulation
Twin Towers Office Bldg. • 2600 Blair Stone Road • Tallahassee, Florida 32399-2400

DER Form # 17-761.600(6)
Form Title: Closure Assessment Form
Effective Date: December 10, 1990
DER Application No. _____ (Filled in by DER)

Closure Assessment Form

Owners of storage tank systems that are replacing, removing or closing in place storage tanks shall use this form to demonstrate that a storag system closure assesment was performed in accordance with Rule 17-761 or 17-762, Florida Administrative Code. Eligible Early Detection Incen tive (EDI) and Reimbursement Program sites do not have to perform a closure assessment.

Please Print or Type
Complete All Applicable Blanks

1. Date: November 27,1995
2. DER Facility ID Number: N/A 3. County: Duval
4. Facility Name: Naval Air Station - Cecil Field Building #190
5. Facility Owner: U.S. Navy
6. Facility Address: Building #190, D Avenue, N.A.S. Cecil Field
7. Mailing Address: Naval Air Station - Cecil Field
8. Telephone Number: (_____) _____ 9. Facility Operator: U.S. Navy
10. Are the Storage Tank(s): **(Circle one or both)** A. Aboveground or ☒ Underground
11. Type of Product(s) Stored: Diesel Fuel
12. Were the Tank(s): **(Circle one)** A. Replaced ☒ B. Removed C. Closed in Place D. Upgraded (aboveground tanks only
13. Number of Tanks Closed: One (1) 14. Age of Tanks: Unknown

Facility Assessment Information

Yes	No	Not Applicable	
☐	☒		1. Is the facility participating in the Florida Petroleum Liability Insurance and Restoration Program (FPLIRP)?
☐	☐		2. Was a Discharge Reporting Form submitted to the Department? If yes, When: _____ Where: _____
☒	☐		3. Is the depth to ground water less than 20 feet?
☐	☐	☒	4. Are monitoring wells present around the storage system? If yes, specify type: ☐ Water monitoring ☐ Vapor monitoring
☐	☒	☐	5. Is there free product present in the monitoring wells or within the excavation?
☐	☐	☒	6. Were the petroleum hydrocarbon vapor levels in the soils greater than 500 parts per million for gasoline? Specify sample type: ☐ Vapor Monitoring wells ☐ Soil sample(s)
☒	☐	☐	7. Were the petroleum hydrocarbon vapor levels in the soils greater than 50 parts per million for diesel/kerosen Specify sample type: ☐ Vapor Monitoring wells ☒ Soil sample(s)
☐	☒	☐	8. Were the analytical laboratory results of the ground water sample(s) greater than the allowable state target leve (See target levels on reverse side of this form and supply laboratory data sheets)
☐	☐	☒	9. If a used oil storage system, did a visual inspection detect any discolored soil indicating a release?
☐	☒		10. Are any potable wells located within ¼ of a mile radius of the facility?
☐	☒		11. Is there a surface water body within ¼ mile radius of the site? If yes, indicate distance: _____

DER Form 17-761.900(1)
Form Title Closure Assessment Form
Effective Date December 10 1990
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12. A detailed drawing or sketch of the facility that includes the storage system location, monitoring wells, buildings, storm drains, sample location and dispenser locations must accompany this form.
13. If a facility has a pollutant storage tank system that has both gasoline and kerosene/diesel stored on site, both EPA Method 602 and EPA Methc 610 must be performed on the ground water samples obtained.
14. Amount of soils removed and receipt of proper disposal.
15. If yes is answered to any one of questions 5-9, a Discharge Reporting Form 17-761.900(1) indicating a suspected release shall be submitte to the Department within one working day.
16. A copy of this form and any attachments must be submitted to the Department's district office in your area and to the locally administered prc gram office under contract with the Department within 60 days of completion of tank removal or filling a tank with an inert material.

Signature of Owner	Date
Signature of Person Performing Assessment	11/27/95 Date
Professional Geologist Title of Person Performing Assessment	

State Ground Water Target Levels That Affect A Pollutant Storage Tank System Closure Assessment

State ground water target levels are as follows:

1. For gasoline (EPA Method 602):
   a. Benzene 1 ug/l
   b. Total VOA 50 ug/l
      - Benzene
      - Toluene
      - Total Xylenes
      - Ethylbenzene
   c. Methyl Test-Butyl Ether (MTBE) 50 ug/l

2. For kerosene/diesel (EPA Method 610):
   a. Polynuclear Aromatic Hydrocarbons (PAHS) (Best achievable detection limit, 10 ug/l maximum)

Florida Department of Environmental Regulation
Twin Towers Office Bldg. • 2600 Blair Stone Road • Tallahassee, Florida 32399-2400

DER Form # 17-761.900(5)
Form Title Underground Storage Tank Installation & Removal Form for Certified Contractors
Effective Date December 10, 1990
DER Application No. _____ (Filled in by DER)

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 Administrative 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.: N/A
2. Facility Name: N.A.S. Cecil Field Building #190 Telephone: (____) _____
3. Street Address (physical location): Building #190, D Avenue, N.A.S. Cecil Field Jacksonville, FL
4. Owner Name: United States Navy Telephone: (____) _____
5. Owner Address: Naval Air Station - Cecil Field
6. Number of Tanks: a. Installed at this time _____ b. Removed at this time One (1)
7. Tank(s) Manufactured by: Unknown
8. Date Work Initiated: _____ 9. Date Work Completed: _____

Underground Pollutant Tank Installation Checklist

Please certify the completion of the following installation requirements 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.

Underground Pollutant Tank Removal Checklist

Closure assessment performed in accordance with Section 17-761.800, F.A.C. X☒

Underground tank removed and disposed of as specified in API 1604 in acordance with Section 17-761.800, F.A.C. X☒

Northwest District 160 Governmental Center Pensacola, Florida 32501-5794 904-436-8300
Northeast District 7825 Baymeadows Way, Suite B 200 Jacksonville, Florida 32207 904-798-4200
Central District 3319 Maguire Blvd. Suite 232 Orlando, Florida 32803-3767 407-894-7555
Southwest District 4520 Oak Fair Blvd Tampa, Florida 33610-7347 813-623-5561
South District 2269 Bay St Fort Myers, Florida 33901-2896 813-332-6975
Southeast District 1900 S Congress Ave., Suite A West Palm Beach, Florida 33406 407-433-

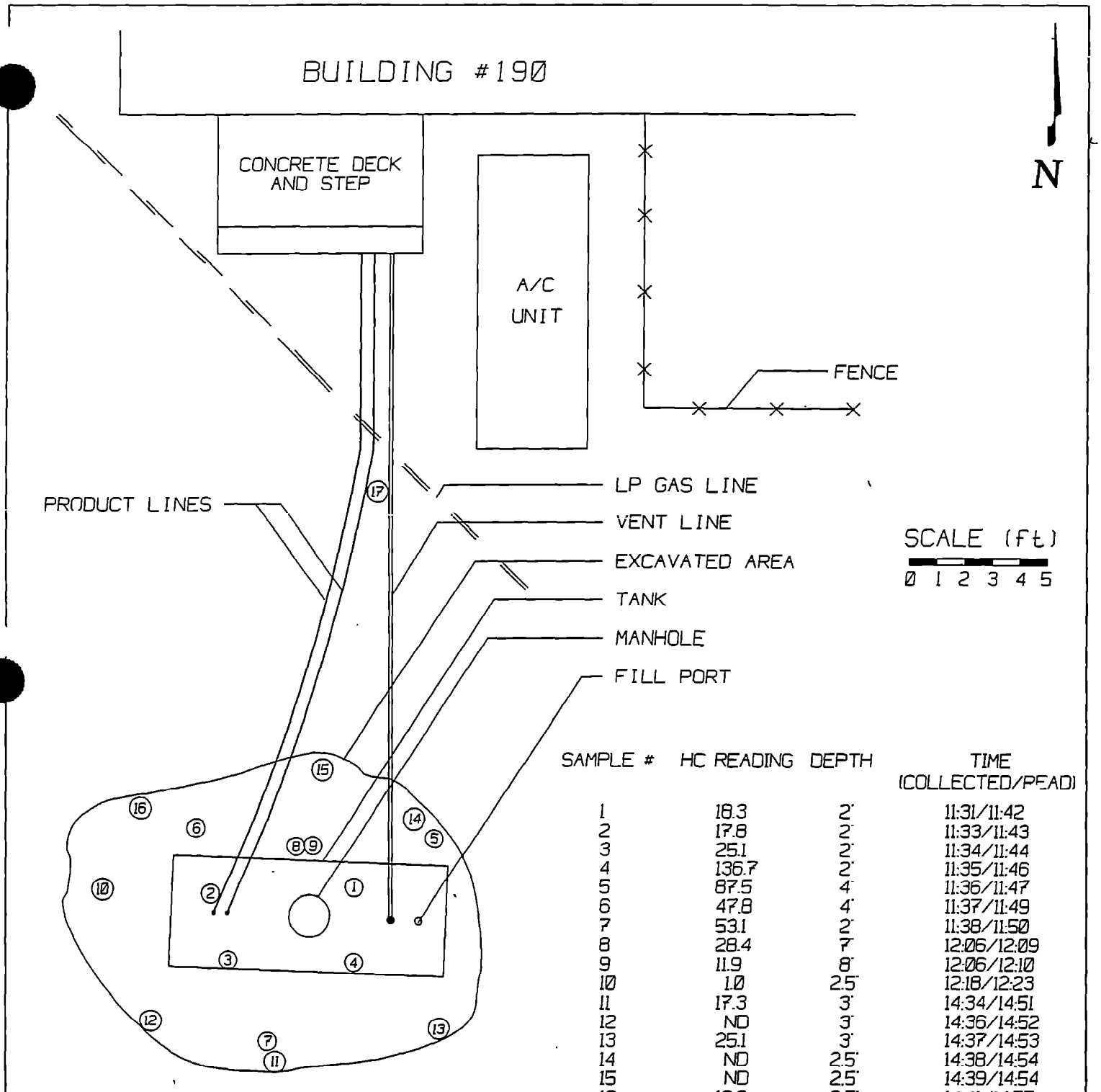
DER Form # 17-761.900(5)
Form Title Underground Storage Tank Installation & Removal Form for Certified Contractors
Effective Date December 10, 1990
DER Application No. _____ (Filled in by DER)

Certification

I hereby certify and attest that I am familiar with the facility that is registered with the Florida Department of 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 for Testing and Materials (ASTM); Petroleum Equipment Institute (PEI); Steel Tank Institute (STI); Underwriters Laboratory (UL); and the tank and integral piping manufacturers' specifications; and that the operations on the checklist were performed accordingly.

Roland Boardman	PCC 054982
(Type or Print) Certified Pollutant Tank Contractor Name Pollutant Storage System Specialty Contractor License Number (PSSSC)	PSSSC Number
R M Boardman	11-27-95
Certified Tank Contractor Signature	Date
Roland Boardman	
(Type or Print) Field Supervisor Name	Date
R M Boardman	11-27-95
Field Supervisor Signature	Date

The owner or operator of the facility 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.



SAMPLE #	HC READING	DEPTH	TIME (COLLECTED/READ)
1	18.3	2'	11:31/11:42
2	17.8	2'	11:33/11:43
3	25.1	2'	11:34/11:44
4	136.7	2'	11:35/11:46
5	87.5	4'	11:36/11:47
6	47.8	4'	11:37/11:49
7	53.1	2'	11:38/11:50
8	28.4	7'	12:06/12:09
9	11.9	8'	12:06/12:10
10	1.0	2.5'	12:18/12:23
11	17.3	3'	14:34/14:51
12	ND	3'	14:36/14:52
13	25.1	3'	14:37/14:53
14	ND	2.5'	14:38/14:54
15	ND	2.5'	14:39/14:54
16	16.3	2.5'	14:41/14:55
17	ND	1.5'	14:46/14:56

(1) = SAMPLE LOCATION

ALL SAMPLES ANALYZED WITH A THERMO ENVIRONMENTAL INSTRUMENTS MODEL 580B PHOTOIONIZATION DETECTOR.

INNOVATIVE SERVICES INTERNATIONAL, INC.

SITE PLAN

BUILDING #190

NAVAL AIR STATION
CECIL FIELD
JACKSONVILLE, FLORIDA

FIRST COAST ENVIRONMENTAL LABORATORY, INC.

November 27, 1995

Innovative Services International, Inc.
P.O. Box 150016
Jacksonville, FL 32215

Attn: Ron Boardman

Reference: FCEL Lab #9511-53
Cecil Field (Building 190 - 1195)
Sample collected 1600 hr. on 11-02-95
Sample received 0939 hr. on 11-02-95
(1) H_2O from Temp. Well

PARAMETER		METHOD	# 1	DATE/TIME	ANALYST
Lead	mg/L	EPA 239.2	0.00938	11-6/1417	AWW

Respectfully submitted:

for AWW.

Adolph W. Wollitz
Laboratory Director
FHRS Lab #E82102
FHRS Lab #82110
EPA #FL00062
DEP Comp QAPP # 870222G

AWW/tb

8818 Arlington Expressway • Jacksonville, Florida 32211
(904) 725-4847 • Fax (904) 725-2215

FIRST COAST ENVIRONMENTAL LABORATORY, INC.

November 27, 1995

Client: I.S.I.

Sample I.D.: Building 190 - 1195 (Cecil Field)

Sample Matrix: Liquid

Lab #: 9511-53

Date Received: 11-3-95

Date Completed: 11-9-95

Sample Collection: 11-2-95

Analytical Summary

Parameter		Method		Results
TRPH	mg/L	EPA 418.1	<	0.020

Respectfully submitted,

Barry C. Byrd, Jr., MS
Laboratory Director
DEP Comp QAPP # 870222G

BCB/tb

8818 Arlington Expressway • Jacksonville, Florida 32211
(904) 725-4847 • Fax (904) 725-2215

FIRST COAST ENVIRONMENTAL LABORATORY, INC.

November 27, 1995

Client: I.S.I.

Sample I.D.: Building 190 - 1195 (Cecil Field)

Sample Matrix: Liquid

Lab #: 9511-53

Date Received: 11-3-95

Date Completed: 11-14-95

Sample Collection: 11-2-95

Analytical Summary
Volatile Hydrocarbons
Method 601 - 602

Parameter	Results ug/L	Parameter	Results ug/L
Benzene	ND	Bromobenzene	ND
Bromodichloromethane	ND	Bromomethane	ND
Bromoform	ND		
Chloroethane	ND	Carbon tetrachloride	ND
Carbon tetrachloride	ND	Chlorobenzene	ND
Chloroform	ND	Chloromethane	ND
2-Chlorotoluene	ND	4-Chlorotoluene	ND
2-Chloroethylvinyl ether	ND		
Dibromochloromethane	ND	1,2-Dibromoethane	ND
Dibromomethane	ND	1,2 Dichlorobenzene	ND
1,3 Dichlorobenzene	ND	1,4 Dichlorobenzene	ND
Dichlorodifluoromethane	ND	1,1-Dichloroethane	ND
1,2-Dichloroethane	ND	1,1-Dichloroethene	ND
tr-1,2-Dichloroethene	ND	Dichloromethane	ND
1,2-Dichloropropane	ND	t-1,3-Dichloropropene	ND
Ethyl Benzene	ND		
1,1,1,2-Tetrachloroethane	ND	1,1,2,2-Tetrachloroethane	ND
Tetrachloroethene	ND	Toluene	ND
1,1,1-Trichloroethane	ND	1,1,2-Trichloroethane	ND
Trichloroethene	ND	Trichlorofluoromethane	ND *
1,2,3-Trichloropropane	ND		
Vinyl Chloride	ND *	MTBE	ND *
Total Xylenes	ND		

Note:
ND = (None detected, lower detectable limit = 1 ug/L)
ND * = (None detected, lower detectable limit = 20 ug/L)
J = (Peak detected, below detection limit, value suspect)
B = (This parameter also found in the blank)
NA = (This parameter was not analyzed)

Respectfully submitted,

Barry C. Byrd, Jr., MS
Technical Director
DEP Comp QAPP # 870222G

BCB/tb

8818 Arlington Expressway • Jacksonville, Florida 32211
(904) 725-4847 • Fax (904) 725-2215

FIRST COAST ENVIRONMENTAL LABORATORY, INC.

November 27, 1995

Client: I.S.I.

Lab #: 9511-53

Sample I.D.: Building 190 - 1195 (Cecil Field)

Date Received: 11-3-95

Sample Matrix: Liquid

Date Completed: 11-14-95

Sample Collection: 11-2-95

Polynuclear Aromatic Hydrocarbons
EPA Method 610

PARAMETER	RESULTS
Acenaphthene	ND
Acenaphthylene	ND
Anthracene	ND
Benzo (a) anthracene	ND
Benzo (a) pyrene	ND
Benzo (b) fluoranthene	ND
Benzo (ghi) perylene	ND *
Benzo (j) fluoranthene	ND
Benzo (k) fluoranthene	ND
Chrysene	ND
Dibenzo (a,h) anthracene	ND *
Fluoranthene	ND
Fluorene	ND
Indeno (1,2,3-cd) pyrene	ND *
1-Methylnaphthalene	ND
2-Methylnaphthalene	ND
Naphthalene	ND
Phenanthrene	ND
Pyrene	ND

Note:
ND = (None detected, lower detectable limit = 5 ug/L)
ND ** = (None detected, lower detectable limit - 25 ug/L)
J = (Peak detected, below detection limit, value suspect)
B = (This parameter also found in the blank)
NA = (This parameter was not analyzed)

Respectfully submitted,

Barry C. Byrd, Jr., MS
Technical Director
DEP Comp QAPP # 870222G

BCB/tb

8818 Arlington Expressway • Jacksonville, Florida 32211
(904) 725-4847 • Fax (904) 725-2215

FIRST COAST ENVIRONMENTAL LABORATORY, INC.
8818 ARLINGTON EXPRESSWAY
JACKSONVILLE, FLORIDA 32211
FAX (904) 725-2215
(904) 725-4847
(904) 725-5708

CHAIN OF CUSTODY RECORD

14094

Client: Innovative Services Int.
Cecil Field NAS

Project Description: Cecil Field NAS

ATTN: R. Boardman

NO. OF SAMPLE CONTAINERS: 3 | 1 | 1 | 1

Scott W. Vackell
Sampler (Signature)

Page ___ of ___

STATION	DATE	TIME (Military)	SAMPLE DESCRIPTION	601, 602 w/MTBE	610	TPH	Pb												REMARKS
BLDG 190 - 1195	11/02/95	1600	H_2O from temp well	X	X	X	X												Possible sheen on samples

Relinquished by (Signature):	Date	Time (Military)	Received by (Signature):	Date	Time (Military)	Relinquished by (Signature):	Date	Time (Military)	Received by (Signature):	Date	Time (Military)
Scott W. Vackell			[signature]								

Relinquished by (Signature):	Date	Time (Military)	Received by (Signature):	Date	Time (Military)	REMARKS:

First Coast Environmental Laboratory, Inc.
Sample Receiving Report

Date Rec'd: 11/3/95 Lab ID No.: 9511-53

Client Name: IST Project Name: _____

Received By: MHL 12496

How were the Samples delivered to the laboratory?

Client Cooler ✓ FCEL Cooler o Box o Other o

Hand Delivery o Shipper o Name: _____

Any Descrepancies in this section must be explained below and referred to a laboratory management individual for resolution

		YES	NO
1.	Were custody papers included with samples?	✓	o
2.	Were custody papers properly filled out? (ink, signed, labels match?)	✓	o
3.	Were samples in direct contact with Wet Ice?	✓	o
4.	Did all samples arrive intact/not leaking?	✓	o
5.	Were all bottle labels complete? (Sample #, Date, Station, Signed, Anal./Preserv.)	✓	o
6.	Were Correct containers used for requested analyses?	✓	o
7.	Were proper preservation techniques indicated?	✓	o
8.	Were samples received with adequate holding time?	✓	o
9.	VOA/VOC Containers checked for bubbles? Present o Absent o	✓	o

10. Were samples accepted in lab?
Accepted ✓ Held for Management o Rejected o

Comments: _____

Actions taken:

Lab Management notified: _____ Date/Time _____

Client Contacted: _____ By: _____

Final Resolution: _____