

N61165.AR.005820
CNC CHARLESTON
5090.3a

TRANSMITTAL LETTER AND LEAK VERIFICATION INFORMATION ON LEAKING 500
GALLON UNDERGROUND STORAGE TANK LOCATED AT THE SHIPBOARD ELECTRONIC
SYSTEM EVALUATION FACILITY CNC CHARLESTON SC

2/5/1993
CNC CHARLESTON



DEPARTMENT OF THE NAVY

CHARLESTON NAVAL SHIPYARD

CHARLESTON, S.C. 29408-6100

General Tim
19405

5090

Ser 106.24/3054

05 FEB 1993

LT ✓
LO ✓

South Carolina Department of Health
and Environmental Control
Assessment and Development Section
Ground-Water Protection Division
Bureau of Drinking Water Protection
Attn: Tim Mettlen
2600 Bull Street
Columbia, SC 29201

RECEIVED

FEB 08 1993

Groundwater Protection

Gentlemen:

As discussed with Christine Sanford-Coker of the ~~Division~~ Trident District Office on January 25, 1993 this office is forwarding the requested leak verification information on a leaking 500 gallon Underground Storage Tank (UST) located at Shipboard Electronic System Evaluation Facility (SESEF) on Sullivans Island, SC. As required by South Carolina Law R.61-95, Part 280.50, verbal notification was made to Bill Seaborn of the Trident District Office on January 22, 1993.

Enclosure (1) contains the leak verification information and the initial abatement actions taken as required by South Carolina Law R.61-95, Part 280.52, 62(b).

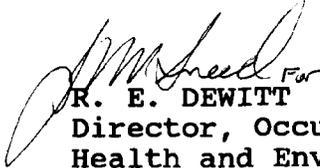
As indicated in enclosure (1), the product has been removed from the tank and the tank will remain out of service until replaced with a new tank in December of 1993.

Since this was a very small leak, Ms. Coker of the Trident District Office requested that a soil sample be taken underneath the tank to determine if additional contamination is present. Ms. Coker indicated that if no contamination is found, no further action will be required until closure.

The results of the soil samples, enclosure (2), found no BTEX or Naphthalene to be present under the tank. No further action is planned at this site until the tank is removed and a closure assessment performed.

If there are any questions, or if more information is needed,
contact James Reimer or Karl Ray, Code 106.24, at (803)
743-5519.

Sincerely,



R. E. DEWITT
Director, Occupational Safety,
Health and Environmental Office
By direction of the Commander
Charleston Naval Shipyard

Encl:

- (1) Leak Verification Information
- (2) Analytical Results

Copy to:

Christine Coker, Trident EQC

Leak Verification Information

I. Verify Leak

Tank Owner - United States Navy

Contact Person - Mr. J. J. Reimer

Tank Location

Shipboard Electronic Systems Evaluation Facility
Building 4000
Sullivans Island, SC 29482

II. Leak Details

1. **How leak discovered** - Contamination was found on surface soil on January 19, 1993.
2. **Specify type and quantity of substance lost** - Approximately one gallon of diesel fuel.
3. **Location of leak** - The top 1/3 portion of the tank is above grade. A small weeping hole was found about 1 inch below surface grade on one side of the tank.
4. **Cause** - Corrosion.

III. Corrective Action Taken in Response to Leak

1. The remaining product was removed from the tank to prevent further release.
2. Approximately two cubic feet of contaminated soil was recovered and will be disposed of in accordance with state and federal regulations.
3. The UST will remain out of service until replaced with a new tank in December of 1993.
4. Christine Sanford-Coker of the Trident District Office was present during inspection on January 25, 1993. No additional evidence of leakage or soil contamination was found. Ms. Coker requested a soil sample be taken under the tank to measure for additional contamination and if no contamination is found, then no further action will be required until

a site assessment is performed for permanent tank closure.

5. Two soil samples were taken from the bottom of the tank and analyzed for BTEX and Naphthalene. The lab results, enclosure (2), were negative and therefore no further action is planned until the tank is removed and a closure assessment performed.

ANACON, INC.

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HOUSTON, TX 77034
(713) 922-7000



ANALYTICAL AND CONSULTING LABORATORIES
Environmental, Chemical, and Petroleum

SAMPLE ANALYSIS RESULTS

CUSTOMER: CHARLESTON NAVAL SHIYARD
CODE 106.2, BLDG. 76, NAVAL BASE
CHARLESTON, SC 29408-6100

ANACON NUMBER: 9294
DATE RECEIVED: 1-29-93
DATE OF REPORT: 2-03-93

SAMPLE ID: SAMPLE #3012
D.O. NO.: N00612-93-DT128/0015
REQ. NO.: N00191-3028-3002

QA/QC OFFICER:

SAMPLE LOCATION:
SAMPLE SITE: 3012 (sesef UST A)

SAMPLE DESCRIPTION: SOIL

PARAMETER	EPA METHOD	MDL	RESULT	DATE ANALYZED	BY
BENZENE	5030/8020	0.01	<0.01	2-1-93	LG
TOLUENE	5030/8020	0.01	<0.01	"	"
ETHYLBENZENE	5030/8020	0.01	<0.01	"	"
XYLENE	5030/8020	0.01	<0.01	"	"

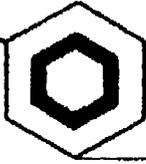
ALL RESULTS ARE IN mg/kg

SUBMITTED BY:
TIMOTHY CORUM, ORGANIC MANAGER

ENCLOSURE (2)
page 1 of 4

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SAMPLE ANALYSIS RESULTS

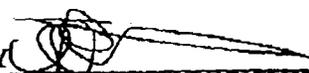
CHARLESTON NAVAL SHIPYARD
CODE 106.2, BLDG. 76, NAVAL BASE
CHARLESTON, SC 29408-6100
ATTN: MARVIN STARDIVANT

ANACON NO : 9294
DATE RECEIVED : 1-29-92
DATE OF REPORT: 2-03-92

SAMPLE ID: Sample #3012
D.O. NO.: NO0612-93-DT128/0015
REQ. NO.: NO0191-3028-3002
sesef UST A

QA/QC OFFICER *Dr*

PARAMETER	EPA METHOD #	RESULTS
Napthalene ug/kg	8270	<1

SUBMITTED BY 
TIM CORUM, ORGANIC MANAGER

ENCLOSURE (2)

page 2 of 4

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SAMPLE ANALYSIS RESULTS

CUSTOMER: CHARLESTON NAVAL SHIYARD
CODE 106.2, BLDG. 76, NAVAL BASE
CHARLESTON, SC 29408-6100

ANACON NUMBER: 9294
DATE RECEIVED: 1-29-93
DATE OF REPORT: 2-03-93

SAMPLE ID: SAMPLE #3013
D.O. NO.: N00612-93-DT128/0015
REQ. NO.: N00191-3028-3001

QA/QC OFFICER: *[Signature]*

SAMPLE LOCATION:
SAMPLE SITE: 3013 (sesef UST B)

SAMPLE DESCRIPTION: SOIL

PARAMETER	EPA METHOD	MDL	RESULT	DATE ANALYZED	BY
BENZENE	5030/8020	0.01	<0.01	2-1-93	LG
TOLUENE	5030/8020	0.01	<0.01	"	"
ETHYLBENZENE	5030/8020	0.01	<0.01	"	"
XYLENE	5030/8020	0.01	<0.01	"	"

ALL RESULTS ARE IN mg/kg

SUBMITTED BY: *[Signature]*
TIMOTHY CORUM, ORGANIC MANAGER

ENCLOSURE (2)

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ANALYTICAL AND CONSULTING LABORATORIES
Environmental, Chemical, and Petroleum

SAMPLE ANALYSIS RESULTS

CHARLESTON NAVAL SHIPYARD
CODE 106.2, BLDG. 76, NAVAL BASE
CHARLESTON, SC 29408-6100
ATTN: MARVIN STARDIVANT

ANACON NO : 9294
DATE RECEIVED : 1-29-92
DATE OF REPORT: 2-03-92

SAMPLE ID: Sample #3013
D.O. NO.: N00612-93-DT128/0015
REQ. NO.: N00191-3028-3001
sesef UST B

QA/QC OFFICER *on*

PARAMETER	EPA METHOD #	RESULTS
Napthalene ug/kg	8270	<1

SUBMITTED BY *[Signature]*
TIM CORUM, ORGANIC MANAGER

ENCLOSURE (2)

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