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May 3, 2004

Commander  
Naval Facilities Engineering Command  
Atlantic Division  
6506 Hampton Blvd., Bldg. A, Room 1124  
Norfolk, VA 23508

Attention: EV23JC, Mr. John D. Conway, P. G.

Re: **FINAL** - Letter Report of Findings and Request for "No Further Action"  
AS-605, Waste Oil UST  
Marine Corps Air Station  
New River, North Carolina  
Navy Contract No. N62470-01-D-3009  
Delivery Order No. 0102  
CATLIN Project No. 203-117

Dear Mr. Conway:

The following draft letter report is submitted to document the recent sampling activities at the above referenced site. CATLIN Engineers and Scientists (CATLIN) was authorized to perform field activities and prepare the letter report by LANTDIV NAVFACENGCOM in accordance with Order for Supplies Contract Number N62470-01-D-3009 and Delivery Order Number 0102. Based on the recent investigation, this site appears to qualify for "Low Risk" classification and "No Further Action" status.

### **Background and Purpose of Investigation**

The site contained a 200-gallon waste oil underground storage tank (UST). The site location is shown on Figure 1. An *Underground Storage Tank Closure Report, UST No. AS-605* was prepared by J.A. Jones and submitted in 2000. A *Phase I Limited Site Assessment (LSA) and Recommendation for "No Further Action"* was prepared and submitted by Law Engineering and Environmental Services, Inc. on September 10, 2001. No soil contamination was identified in excess of the lowest Maximum Soil Contaminant Concentrations (MSCCs). Bromodichloromethane, chloroform, and dibromochloromethane groundwater contamination in monitoring well USTAS-605-MW01 was revealed in excess of the NCAC T15A:02L Groundwater Quality Standards or Interim Groundwater Quality Standards. Based on the levels of groundwater contamination, the site is eligible for "No Further Action" status with and issuance of a Notice of Residual Petroleum or Land Use Restrictions.

The purpose of this investigation was to complete fieldwork and reporting necessary for obtaining No Further Action status without Land Use Restriction. A groundwater sample was collected and analyzed for bromodichloromethane, chloroform, and dibromochloromethane from monitoring well USTAS-605-MW01. The site plan and sample location is illustrated on Figure 2.

### **Field Methods**

On March 2, 2004, CATLIN personnel gauged monitoring well USTAS-605-MW01 for depth to water, three well volumes were purged from the well and a groundwater sample was collected. New disposable latex gloves were worn and the groundwater sample was poured directly into the appropriately labeled glassware. The groundwater sample was placed on ice in an insulated cooler and transported following chain-of-custody protocol to Paradigm Analytical Laboratories, Inc. in Wilmington, North Carolina (NC Certification Number 481) for bromodichloromethane, chloroform, and dibromochloromethane analysis per Environmental Protection Agency (EPA) Method 601. Chain-of-Custody documentation is included with the laboratory report.

### **Results**

Bromodichloromethane, chloroform, and dibromochloromethane concentrations were not revealed above the 1.0 µg/L laboratory quantitation limit in the USTAS-605-MW01 groundwater sample. Laboratory analytical results are attached.

### **Summary and Conclusions**

The bromodichloromethane, chloroform, and dibromochloromethane concentrations previously detected in groundwater samples collected from USTAS-605-MW01 appear to have naturally attenuated below laboratory quantitation limits. The site should qualify for "Low Risk" classification and "No Further Action" status is recommended.

Should you have any further questions, please feel free to contact us at your convenience.

Sincerely,

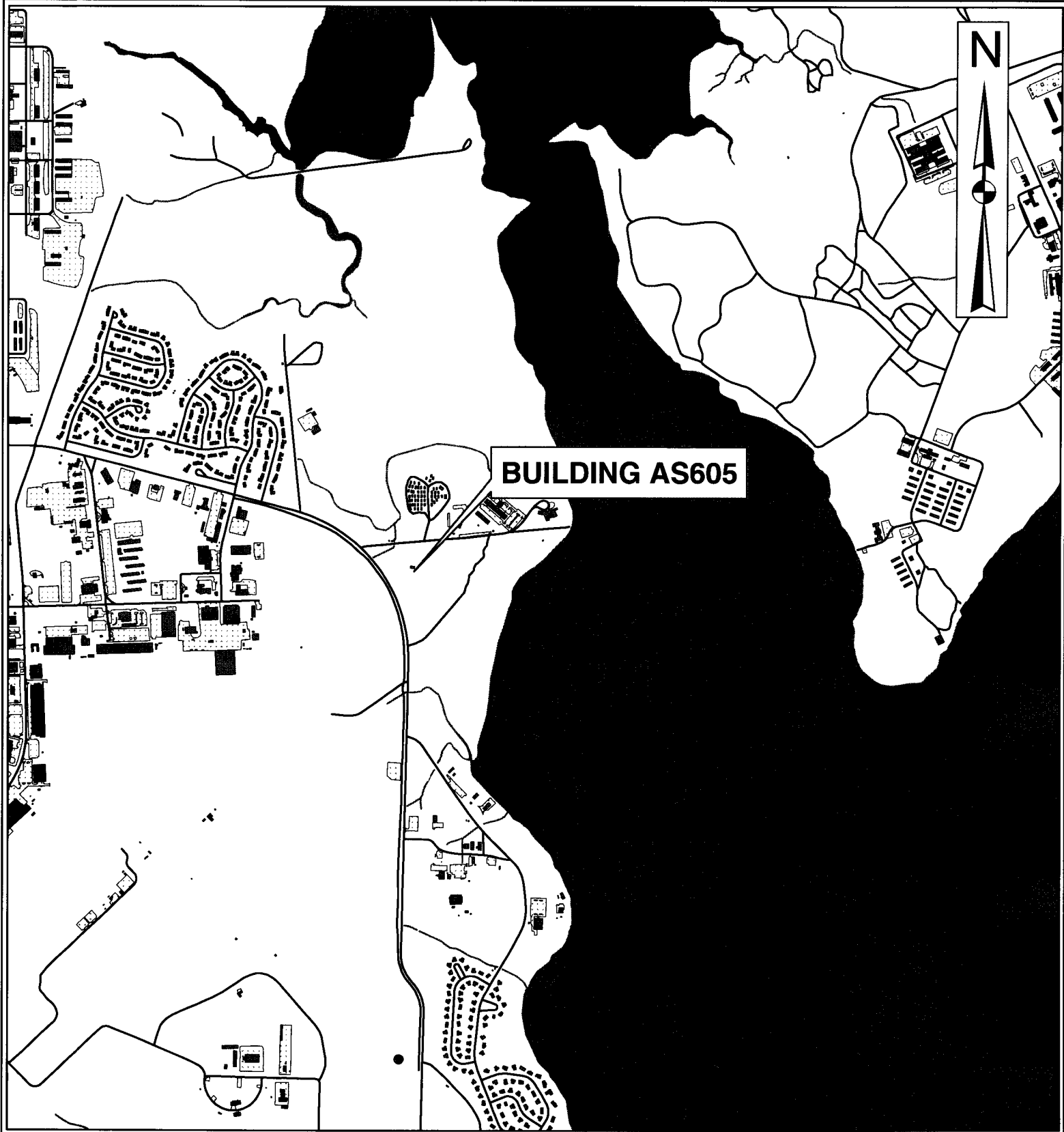


Michael E. Mason, P.E.  
CATLIN Program Manager

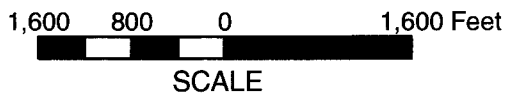


Attachments: Figures 1 and 2, laboratory analytical report

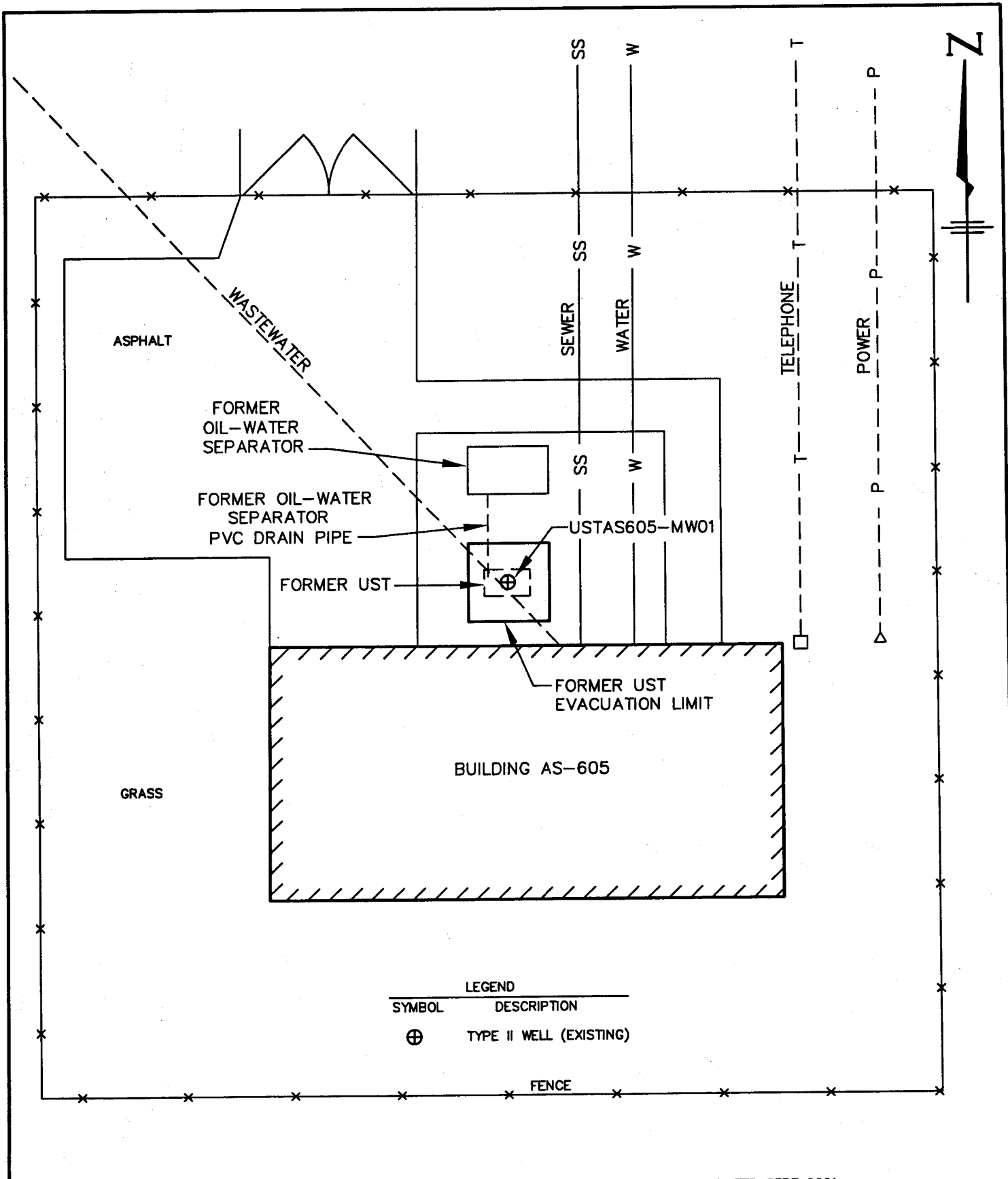
cc: Mr. Roger R. Marce, Jr. – Code AQ 135 Contracts, correspondence only  
Commanding General, Attn: Director I&E, EMD, EQB




**BUILDING AS605**



	PROJECT <b>BUILDING AS605          MARINE CORPS BASE          MCAS NEW RIVER, NC</b>	TITLE <b>SITE VICINITY MAP</b>	<b>FIGURE</b>  <b>1</b>
	JOB NO. 203-117    DATE MAR 2004	SCALE AS SHOWN    DRAWN BY SAC    CHECKED BY BA	



NOTE: REFERENCED FROM LAW ENGINEERING & ENVIRONMENTAL SERVICES DWG AS-805\_PLAN-FIG3, DATED SEPT 2001

 <b>ENGINEERS and SCIENTISTS</b> WILMINGTON, NORTH CAROLINA	PROJECT <b>AS-605</b> MARINE CORPS AIR STATION NEW RIVER, N.C.	TITLE <b>SITE PLAN</b>		FIGURE <b>2</b>
	JOB NO: 203117	DATE: FEB 2004	SCALE: 1"=10'±	DRAWN BY: WHW

203117-AST-605

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for Volatiles  
by GC 601


Client Sample ID: USTAS-605-MW01  
 Client Project ID: 7 funded site closures, Camp Lejeune  
 Lab Sample ID: G128-1268-4A  
 Lab Project ID: G128-1268

Analyzed By: DCS  
 Date Collected: 3/2/04  
 Date Received: 3/3/04  
 Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Bromodichloromethane	BQL	1.0	1	3/9/04
Chloroform	BQL	1.0	1	3/9/04
Dibromochloromethane	BQL	1.0	1	3/9/04
Surrogate Spike Recoveries		Spike Added	Spike Result	Percent Recovery
1,4-Dichlorobutane		40	39.6	99

**Comments:**

All values corrected for dilution.  
 BQL = Below quantitation limit.

Reviewed By: 

PARADIGM ANALYTICAL LABORATORIES, INC.

5500 Business Drive, Wilmington, NC 28405

Phone: (910)-350-1903 FAX: (910)-350-1557

Chain-of Custody Record & Analytical Request

COC# 41594

Page 1 of 1

Client: Catlin Project ID: 7 funded site closures, Camp Wayne Date: 3-3-04 Report To: Ben Ashba @ Catlin  
 Address: 220 Old Dairy Rd. Contact: Ben Ashba Turnaround: Standard  
 Address: Wilmington NC 28405 Phone: 910-452-5861 Job Number: 203-117  
 Quote #: DOD 101 Fax: 910-452-7563 P.O. Number: 240115-1 Invoice To: Shirley @ Catlin

Sample ID	Date	Time	Matrix	Preservatives			Analyses				Comments: Please specify any special reporting requirements	
				Ice	HCl	Methanol	EPA 601	MADCP TPH	MADCP VPH	Date		Time
UST24-MW01	3-1	1:15P	GW	✓	✓		✓					← report only bromochloromethane, chloroform, dibromochloromethane
UST1323-MW01	3-1	11:56A	GW	✓	✓		✓					← report only bromochloromethane, chloroform, dibromochloromethane
UST1323-MW02	3-1	12:05	GW	✓	✓		✓					← report only chloroform
USTA-605-MW01	3-2	10:45A	GW	✓	✓		✓					← report only bromodichloromethane, chloroform, dibromochloromethane
UST31-SB05 (9-3-2)	3-2	2:45P	soil	✓	✓		✓					← report only chloroform
UST31-MW01	3-2	2:30P	GW	✓	✓		✓					
USTM167-MW01	3-2	12:55	GW	✓	✓		✓					
USTPP3363-SB02 (4-5-05)	3-2	1:50P	soil	✓	✓		✓					

Relinquished By	Date	Time	Received By	Date	Time	Temperature	State Certification Requested
Tom [Signature]	3-3	12:45P	Judith Ashba [Signature]	3/3/04	0950	ca. 40°	NC <input checked="" type="checkbox"/> SC <input type="checkbox"/> Other <input type="checkbox"/>

SEE REVERSE FOR TERMS AND CONDITIONS

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