



RECEIVED
N.C. Dept. of EHNR

NOV 09 1995

Winston-Salem
Regional Office

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

GARLAND B. GARRETT JR.
SECRETARY

JAMES B. HUNT JR.
GOVERNOR

November 7, 1995

SER 735

Ms. Shuying Wang
Division of Environmental Management
585 Waughtown Street
Winston-Salem NC 27107-2241

RE: NCDOT (4 UST's Removed in 1992) Yadkinville

Dear Ms. Wang:

Enclosed are 2 sets of lab results that were used to compare analytical methods 3540 and 5030. At the Highway Patrol Station in Hillsborough, split samples of the same soil were submitted to the Department of Transportation (DOT) lab and CET Lab for analysis and comparison.

Shown below are the results in which the DOT lab detected higher levels in one sample and lower levels in the other sample than CET.

METHOD 3540		METHOD 5030	
DOT SAMPLE	RESULTS	CET SAMPLE	RESULTS
2-2	134 PPM	2-1	149 PPM
3-2	217 PPM	3-1	181 PPM

Based on these results, we considered the 2 methods to be equivalent. Therefore, the DOT requests that no further action be required in the matter.



If you have questions, please contact Eric Motzno at (919) 733-2220.

Sincerely,

Handwritten signature of Eric Motzno in black ink.

^{for} John M. Burns, Jr., Director
Equipment and Inventory Control

EM/ss
Enclosure

cc: W. E. Hoke, P.E.
Division Engineer, Division Eleven

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
MATERIALS AND TESTS
1801 BLUE RIDGE ROAD
RALEIGH, N.C. 27607 (919)733-3532

SAMPLE COLLECTION, CUSTODY, AND RECEIPT FORM

SUBMITTED BY: ERIC MUTENZ JOB NO. 2.100938

SAMPLE LOCATION: Hillsboro Hwy Patrol

SAMPLED BY: R. H. FAISON

SAMPLE TYPE: GROUNDWATER SOIL WASTEWATER
 OTHER

TANK NO. _____

DATE SAMPLED: 7/15/93 TIME: 10:00 AM

WAS SAMPLE SHIPPED CHILLED? YES NO

NUMBER OF CONTAINERS _____

SAMPLE IDENTIFICATION 1-1, 1-2, 1-3, 2-2, 3-2

ANALYSIS (ES) REQUIREMENTS TPH

SHIPMENT

DELIVERED BY: [Signature] DATE 7/16/93 TIME 1:30 AM PM

RECEIVED BY: [Signature] DATE 7/16/93 TIME 1:30 AM PM

SAMPLE RECEIVING

CONDITION OF SAMPLE _____

STORAGE OF SAMPLE _____



Chemical & Environmental Technology, Inc.

ENVIRONMENTAL LABORATORY AND CONSULTING SERVICES

JOHN M. OGLE
PRESIDENT

P. O. BOX 12298
RESEARCH TRIANGLE PARK, N. C. 27709
PHONE (919) 467-3090
FAX (919) 467-3515

FINAL REPORT OF ANALYSES

NCDOT
4809 BERYL DRIVE
RALEIGH, NC 27606-
Attn: JIM PARKER

REPORT DATE: 07/22/93
P.O. # B-6320

HILLSBOROUGH HWY. PATROL # 2.100938

SAMPLE NUMBER : 73380 SAMPLE ID : 2-1
DATE SAMPLED : 07/16/93 TIME SAMPLED : 0900 SAMPLED BY : R H FAISON
DATE RECEIVED : 07/16/93 TIME RECEIVED : 1350
DELIVERED BY : AH RECEIVED BY : DLP SAMPLE MATRIX : SO

Page 1 of 1

PROJECT NAME : HILLSBOROUGH HP

ANALYSIS	METHOD	ANALYSIS DATE	BY	RESULT UNITS	PQL
LOW FRACTION HYDROCARBON	5030	07/20/93	JBR	149 mg/kg	0.10

TPH LOW IDENTIFIED AS GASOLINE AS PER "GROUNDWATER SECTION GUIDELINES FOR THE INVESTIGATION AND REMEDIATION OF SOILS AND GROUNDWATER", NCDEHNR, DEM, MARCH, 1993.

PQL = PRACTICAL QUANTITATION LIMIT.

LABORATORY DIRECTOR J. M. Ogle for THL





Chemical & Environmental Technology, Inc.

ENVIRONMENTAL LABORATORY AND CONSULTING SERVICES

JOHN M. OGLE
PRESIDENT

P. O. BOX 12298
RESEARCH TRIANGLE PARK, N. C. 27709
PHONE (919) 467-3090
FAX (919) 467-3515

FINAL REPORT OF ANALYSES

NCDOT
4809 BERYL DRIVE
RALEIGH, NC 27606-
Attn: JIM PARKER

REPORT DATE: 07/22/93
P.O. # B-6320

HILLSBOROUGH HWY. PATROL # 2.100938

SAMPLE NUMBER : 73381 SAMPLE ID : 3-1
DATE SAMPLED : 07/16/93 TIME SAMPLED : 0900 SAMPLED BY : R H FAISON
DATE RECEIVED : 07/16/93 TIME RECEIVED : 1350
DELIVERED BY : AH RECEIVED BY : DLP SAMPLE MATRIX : SO

Page 1 of 1

PROJECT NAME : HILLSBOROUGH HP

ANALYSIS	METHOD	ANALYSIS DATE	BY	RESULT UNITS	PQL
LOW FRACTION HYDROCARBON	5030	07/19/93	JBR	181 mg/kg	0.10

TPH LOW IDENTIFIED AS GASOLINE AS PER "GROUNDWATER SECTION GUIDELINES FOR THE INVESTIGATION AND REMEDIATION OF SOILS AND GROUNDWATER", NCDEHNR, DEM, MARCH, 1993.

PQL = PRACTICAL QUANTITATION LIMIT.

LABORATORY DIRECTOR

J. M. Ogle for JHL





Chemical & Environmental Technology, Inc.
 102-A Woodwinds Industrial Ct.
 Cary, NC 27511 (919) 467-3090

CHAIN OF CUSTODY RECORD

CLIENT NAME:		ADDRESS:		PROJECT NO.:		PROJECT NAME:		PHONE:		BILL TO:		ADDRESS:		PURCHASE ORDER NO.:		PRESERVATIVES							
C & ET NO.	DATE	TIME	COMP GRAB	SAMPLE I.D.	NO. CONTAINERS	RELINQUISHED BY (Signature)	DATE	TIME	RECEIVED BY (Signature)	DATE	TIME	RELINQUISHED BY (Signature)	DATE	TIME	RECEIVED BY (Signature)	NONE	NaOH	H ₂ SO ₄	HNO ₃	HCl			
NC DOT		4809 Beryl Rd		2100938		Hillsborough Hwy Patrol		733 2220		Bill Medford													
Raleigh NC 27603		R. H. Fauson		7-16		9:00		✓		2-1		1		Gasoline Tank		✓							
7-16		9:00		✓		3-1		1															
RELINQUISHED BY (Signature)		DATE		TIME		RECEIVED BY (Signature)		DATE		TIME		RELINQUISHED BY (Signature)		DATE		TIME		RELINQUISHED BY (Signature)		DATE		TIME	
[Signature]		7/16/93		1:50 PM		[Signature]						[Signature]						[Signature]					
RELINQUISHED BY (Signature)		DATE		TIME		RECEIVED FOR LABORATORY BY:		DATE		TIME		REMARKS:		DATE		TIME		REMARKS:		DATE		TIME	
[Signature]		7/16/93		1:50 PM		W. D. Parroffe		7/16/93		1350		S											

5030