

# 952

PMN#: \_\_\_\_\_ FID#: \_\_\_\_\_  
 PROJECT MGR: FISCHER J  
 SUPPORT PERSON: \_\_\_\_\_  
 DISTRICT: SED COUNTY: Waukesha HNDI: \_\_\_\_\_

SITE NAME: Ewald Chevy Buick Geo  
 ADDRESS: 36883 E. Wisconsin Ave  
Oconomowoc WI 53066 TN CITY\_VIL  
 LEGAL DESC: \_\_\_ 1/4 \_\_\_ 1/4 SEC \_\_\_ T \_\_\_ R \_\_\_ E/W

DATE OF INITIAL CONTACT: 9/7/90 (mo day yr)  
 DATE OF RP LETTER: 9/12/90 (mo day yr)  
 DATE SITE CLOSURE APPROVED: 7/12/91 (mo day yr)

LUST TRUST ELIGIBLE: (x)  
 1 = FEDERAL  
 2 = NON-FEDERAL

STATUS: (x)  
 1 = STATE LEAD  
 2 = RP LEAD

PRIORITY SCREENING: (x)  
 1 = HIGH SCORE: \_\_\_\_\_  
 2 = MEDIUM  
 3 = LOW  
 4 = UNKNOWN  
 (see worksheet on back)

FUNDING SOURCE: (x)  
 1 = RESPONSIBLE PARTY  
 2 = LUST TRUST FUND  
 3 = ENVIRONMENTAL RESPONSE FUND  
 4 = SUPER FUND  
 5 = NONE  
 6 = OTHER \_\_\_\_\_

(X AS APPROPRIATE)	DATE INITIATED (MO DAY YR)	DATE COMPLETED (MO DAY YR)	COMMENTS:
<input type="checkbox"/> NO ACTION TAKEN			
<input type="checkbox"/> EMERGENCY			
<input type="checkbox"/> EMERGENCY RESPONSE			
<input type="checkbox"/> FIELD INVESTIGATION			
<input checked="" type="checkbox"/> REMEDIAL ACTION			
<input type="checkbox"/> LONG TERM MONITORING			

FIRM OR PERSON RESPONSIBLE: Ewald Chevy Buick Geo  
 CONTACT: Ewald  
 ADDRESS: 36883 E. Wisconsin  
Oconomowoc  
 PHONE: \_\_\_\_\_/\_\_\_\_\_/\_\_\_\_\_  
 (list additional on separate list & attach)

CONSULTANT: CBC Environmental  
 CONTACT: Tim Wimmer  
 ADDRESS: 140 E. Ryan Road  
Oak Creek, WI 53154-4599  
 PHONE: 414/764-7005  
 AMOUNT COMMITTED: \$ \_\_\_\_\_ AMOUNT SPENT: \$ \_\_\_\_\_  
 (list additional on separate list & attach)

send RP letter

PECFA REVIEW REQUESTED: (x) YES NO  
 YES  NO  
petroleum environ cleanup fund  
 DATE PECFA REQUEST RECEIVED: (mo day yr) \_\_\_/\_\_\_/\_\_\_  
 (Form 4)

KNOWN IMPACTS: (x) POTENTIAL IMPACTS: (x)

FIRE/EXPLOSION THREAT	_____	_____
CONTAMINATED PRIVATE WELL	_____	_____
CONTAMINATED PUBLIC WELL	_____	_____
GROUNDWATER CONTAMINATION	_____	<u>XX</u>
SOIL CONTAMINATION	<u>XX</u>	_____
OTHER: _____	_____	_____

SUBSTANCES: (x) QUANTITY DISCHARGED: (gals)

<input checked="" type="checkbox"/> LEADED GAS	_____	VOCS	_____
<input type="checkbox"/> UNLEADED GAS	_____	PESTICIDE	_____
<input type="checkbox"/> DIESEL	_____		
<input type="checkbox"/> FUEL OIL	_____		
<input type="checkbox"/> UNKNOWN HYDROCARBONS	_____		
<input type="checkbox"/> OTHER	_____		

- \*\*\*ENFORCEMENT ACTION TAKEN\*\*\*
- |                                 |                      |                           |                        |
|---------------------------------|----------------------|---------------------------|------------------------|
| 01=INF. CONTACT, RESP INITIATED | 06=INSPECTION LETTER | 14=NOTICE OF VIOLATION    | 23=REFERRAL TO DOJ     |
| 02=RP LETTER, RESP INITIATED    | 07=RESPONSE RECEIVED | 18=ADMIN. ORDER FINAL     | 25=REFERRAL TO EPA     |
| 03=NTC OF NON COMPLIANCE        | 11=CLOSE OUT         | 20=ADMIN. ORDER CANCELLED | 99=OTHER ACTION: _____ |

ACTION (code from above)	DATE (mo/day/yr)	COMMENT:
<u>07</u>	<u>9/12/90</u>	<u>Relieved Removal of 2 4000 gallon U.S.T.</u>
<u>99</u>	<u>12/20/90</u>	<u>re Rpt dated 11/1/90</u>
_____	___/___/___	_____
_____	___/___/___	_____

(for additional action codes see instructions/list additional on separate list and attach)

OVER ALL CASE COMMENT: Polled 2-4,000 gallon steel TANKS unleaded

LUST CASE PRIORITY SCREENING WORKSHEET

**HIGH FACTORS:** (DEFINITION: Any case which presents an actual threat to human health, or has a high potential of causing a threat to human health and property; and/or any case which has caused or has a high potential of causing substantial impacts to the soil, water and air of the State of Wisconsin)

- HIGH FACTORS:** (write in choice of high or medium) *only one*
- Contaminated private or public well >NR140 enf. std.
  - Explosive or toxic vapors in structures
  - Threat of fire
  - Floating product (medium if no receptors within 1 mile)
  - Known gw contamination (private or public well <140 enf. std.)
  - Impacted surface water--wetland, trout stream, etc. impacted saturated soil contamination

**MEDIUM FACTORS:** (DEFINITION: Any case which does not appear to be an immediate threat to human health or vital natural resources but which shows levels of contamination that may cause substantial environmental impacts if left unaddressed.)

- Moderate soil contamination with moderate potential for impacting groundwater.
- Impacted surface water--no critical habitat threats.

**LOW FACTORS:** (DEFINITION: Any case where contamination has been documented, but which presents limited potential for any immediate threat to human health and vital natural resources.)

- Soil contamination which appears to have a limited potential for impacting groundwater.
- Initial remedial action has substantially reduced environmental threat.

**UNKNOWN FACTOR:** (DEFINITION: Any case where some indication of contamination is present, but due to incomplete or inaccurate information the level of threat to human health or the environment can not be assessed at this time.)

- Inadequate information to assign a high, medium, or low ranking.

**OVERALL RANKING:** The screening rank for the site along with the date of ranking. This may be updated when additional information is received. Special circumstances for a particular case may be taken into account in the comment section. The District coordinator may independently set the ranking of a site based upon "special circumstances."

Circle one & date, indicate in priority screening box opposite side            HIGH            MEDIUM            LOW            UNKNOWN

COMMENT: \_\_\_\_\_

NUMERICAL LUST SCORING WORKSHEET (complete for LUST cases ranked HIGH)

**GROUNDWATER & SOILS:** (circle one)

POINTS	Documented Petroleum Contamination:	POINTS	
20	Municipal well	8	Soil & gw within 1200' of a public well
18	>6 private wells	6	Soil & gw within 1200' of one or more private wells
16	4 - 6 private wells	4	GW contamination, no wells within 1200'
14	2 - 3 private wells	2	Soil contamination
12	1 private well		

**EXPLOSIVE OR TOXIC VAPORS:** (circle one)

POINTS	CONFIRMED	POTENTIAL	
20	10		Explosive levels in a residence or building
16	8		Explosive levels in a sewer or structure
12	6		Toxic levels in a residence or building

Note: Explosive levels determined to be >20% LEL as per an explosivity meter; toxicity levels are based on OSHA permissible exposure limits (PEL)

**HYDROGEOLOGIC SETTING:** (circle one)

POINTS	
12	Highly permeable sub-soils (gravel, well sorted sand, fractured bedrock or utilities capable of intercepting and directing flow) <u>and</u> groundwater within 25 feet of the ground surface.
10	Highly permeable sub-soils <u>and</u> groundwater more than 25 feet below ground surface.
8	Moderately permeable sub-soils (silty sands, silty gravel, clayey sands) <u>and</u> groundwater within 25 feet of ground surface
6	Moderately permeable sub-soils <u>and</u> groundwater greater than 25 feet below ground surface.
4	Low permeability sub-soils (silt, clayey silt, sand clays) <u>and</u> groundwater within 25 feet of ground surface.
2	Low permeability sub-soils <u>and</u> groundwater greater than 25 feet below ground surface.

**TYPE OF PRODUCT:** (circle one)

POINTS	NOTE: Add 4 points if free product is present. (score in parentheses)
8 (12)	Gasoline, mixture of gasoline and other products, other light petroleum products.
6 (10)	Diesel, fuel oil
2 (6)	Bunker oil, other heavy oils or crude fractions



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCE

Carroll D. Besadny  
Secretary

Box 12436  
Milwaukee, Wisconsin 53212  
Fax: (414) 263-8483

July 12, 1991

File Ref: 4440

Mr. Brian Ewald  
Ewald-Chevrolet/Buick/Geo  
36833 East Wisconsin Avenue  
Oconomowoc, Wisconsin 53066

Dear Mr. Ewald:

RE: Ewald-Chevrolet/Buick/Geo, 36833 East Wisconsin,  
Oconomowoc, WI

This letter acknowledges the receipt of Form 4 of your application for the Petroleum Storage Remedial Action Fund (PSRAF) and your request for closure of the site. The request for reimbursement of funds is for costs related to the remediation and tank closure of two former 4,000 gallon gasoline underground storage tanks (USTs) removed from the above site.

The following documents, submitted on your behalf by CBC Environmental Services, (now Sigma Environmental) were reviewed by the Department:

1. "A Report of the Removal of Two, 4,000 Gallon Underground Storage Tanks at Ewald-Chevrolet/Buick/Geo", September 11, 1990, and
2. "A Contaminated Soil Remediation Project at Ewald-Chevrolet/Buick/Geo", October 23, 1990.

In summary, the two, 4,000 gallon USTs were removed on July 20, 1990. On September 11, 1990, CBC Environmental Services initiated remedial and tank closure activities. 11 soil confirmation samples were collected in the former tank bed, along piping and underneath the dispensing pad. The samples were analyzed by a laboratory for total petroleum hydrocarbon (TPH) concentrations. One of the 11 soil samples collected contained an elevated TPH level of 690 ppm.

On September 28, 1990, CBC Environmental personnel directed the overexcavation of 140 tons of petroleum contaminated soil at the site and the collection of ten confirmation soil samples. All soil samples collected were analyzed by a laboratory for TPH concentration. None of the ten soil samples contained over 10 ppm TPH concentrations. Ground water was not encountered during the excavational and remedial activities.

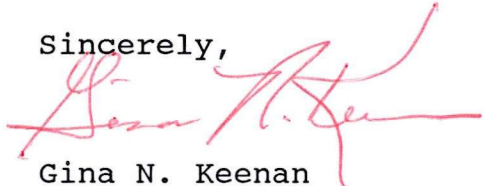
The investigation work at the above site was not performed by the WDNR using Federal LUST Trust Funding (42 USC 6991). In accordance with the requirements of PSRAF, evidence of a hazardous substance release was reported to the WDNR as required by S.144.76(2), Wisconsin Statutes.

Based on the information provided in the referenced documents, the extent of petroleum contamination related to releases from the two, 4,000 gallon USTs at the site, has been satisfactorily delineated and remediated. Therefore, I am signing your Form 4 application and forwarding it to Russ Haupt of the Department of Industry, Labor and Human Relations.

Because the site has been satisfactorily remediated, the WDNR is requiring no further investigation or remedial action at the site at this time. However, if additional information in the future indicates further investigation or cleanup is necessary, the Department will require that appropriate action be taken.

If you have any questions regarding this letter or the case, please, do not hesitate to contact me at the above address or at (414) 263-8669.

Sincerely,



Gina N. Keenan  
Hydrogeologist, Environmental Response Section

c: Russ Haupt-DILHR  
Brad Wolbert-SW/3  
Jeffrey Larkin-Sigma Environmental  
SED Case File



### DNR SITE INVESTIGATION AND REMEDIAL ACTION PLAN REVIEW

Section 101.143 (3) (c) 4, Wis. Stats., requires that a claimant obtain written approval from the Department of Natural Resources (DNR) when requesting reimbursement for activities in response to a discharge from a commercial petroleum product storage system or home oil tank. The DNR approval must indicate that the site investigation and remedial action plan is adequate to meet requirements of s. 144.76, Wis. Stats. The DNR approval is created for the purpose of meeting the requirements of s. 101.143 (3), Wis. Stats., only and does not bar the DNR from requiring that additional investigation and/or remediation activities be performed by persons responsible under s. 144.76, Wis. Stats.

<b>Office Use Only</b>	Application Case # _____
Tank ID # _____	Installation Date _____
Tank ID # _____	Installation Date _____
Tank ID # _____	Installation Date _____

Claimant's Name <b>EMIL EWALD CHEVROLET BUICK, INC.</b>	Remedial Action Site Name (if business) <b>EMIL EWALD CHEVROLET BUICK, INC.</b>
Street Address <b>36833 E. WISCONSIN AVENUE</b>	Remedial Action Site Address <b>36833 E. Wisconsin Avenue</b>
City, State, Zip Code <b>OCONOMOWOC, WI 53066</b>	City, State, Zip Code <b>Oconomowoc, WI 53066</b>
Claimant's Telephone Number <b>(414) 258-5001</b>	Telephone Number of Site <b>(414) 258-5001</b>

Claimant is  
 Owner       Operator       Other - please specify: \_\_\_\_\_

Approval requested for:     Petroleum Product Storage System     Home Oil Tank System     Aboveground

#### FOR DNR USE ONLY (Indicate Whether Completed Remedial Action or Other Action(s))

A copy of this completed document must be submitted to DNR for approval of initial activities (emergency action, site investigation and remediation) in accordance with s. 101.143 (3) (c) 4, Wis. Stats.

Completed Remedial Action (complete cleanup and single claim for reimbursement) (Steps 1 through 3)

**Progress Payments For:**

Emergency Action (Step 1 - check only if emergency action was performed)

Completion of Site Investigation (Step 1) and Proposed Remedial Action Plan (Step 2)

Remedial Action (Step 3)

Operation/Maintenance and Environmental Monitoring (annual claim for remedial action activities) (Step 4)

Site Investigation By Order of DNR And/Or DILHR - No Remedial Action

Check Appropriate  
Box(es)

The DNR received a request for approval of the above identified activities for the site listed on this document on the following date MAY 16 1991.

The DNR response for purposes of s. 101.143 (3), Wis. Stats., is attached.

Remedial action activities conducted by owners/operators are not eligible for funding under 42 USC 6991 (L.U.S.T. Funding). (See s. 101.143 (3) (a) 2., Wis. Stats.)

Send one copy of this completed form to the address shown in the upper right corner and one copy to the claimant.

Reviewer's Signature [Signature] Date Signed 7/12/91

Reviewer's Title Hydrogeologist, Environmental Response

7/27/90 10:00

**A CONTAMINATED SOIL REMEDIATION  
PROJECT AT  
EWALD - CHEVROLET/BUICK/GEO  
36833 EAST WISCONSIN AVENUE  
OCONOMOWOC, WISCONSIN**

**PREPARED FOR:  
MR. BRIAN EWALD  
EWALD - CHEVROLET/BUICK/GEO  
36833 EAST WISCONSIN AVENUE  
OCONOMOWOC, WISCONSIN 53066**

**PREPARED BY:  
JEFFREY M. LARKIN  
GEOLOGIST  
CBC ENVIRONMENTAL SERVICES  
140 EAST RYAN ROAD  
OAK CREEK, WISCONSIN 53154**

**PROJECT REFERENCE #TEWOCR0280**

**OCTOBER 23, 1990**

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SUMMARY

INFORMATION

Site Address: Ewald - Chevrolet/Buick/Geo  
36833 East Wisconsin Avenue  
Oconomowoc, Wisconsin 53066  
Attn: Mr. Brain Ewald  
Telephone: (414) 258-5001

Soil Excavator:

Autoquip, Incorporated  
3861 North 35th Street  
Milwaukee, Wisconsin 53216  
Attn: Jim Capstran  
Telephone: (414) 444-8833

Assessment Services Provided by:

CBC Environmental Services  
140 East Ryan Road  
Oak Creek, Wisconsin 53154  
Attn: Jeff Larkin  
Telephone: (414) 768-7144

Laboratory Services Provided by:

CBC Environmental Services  
140 East Ryan Road  
Oak Creek, Wisconsin 53154  
Attn: Joanne Lipo  
Telephone: (414)764-7005

I. INTRODUCTION

CBC Remedial Services has been contracted by Mr. Brian Ewald of Ewald - Chevrolet/Buick/Geo to remediate petroleum impacted soils at 36833 East Wisconsin Avenue, Oconomowoc, Wisconsin. Remediation of the soils was accomplished through excavation. Excavated soil was placed on 4.5 mil visquene, covered and is currently being stored on site until proper landfill permits are obtained for disposal.

II. SITE LOCATION AND DESCRIPTION

The site is located in the Northeast 1/4 of the Northeast 1/4 of Section 4, Township 7 North, Range 17 East, Oconomowoc, Wisconsin (see Figure 1).

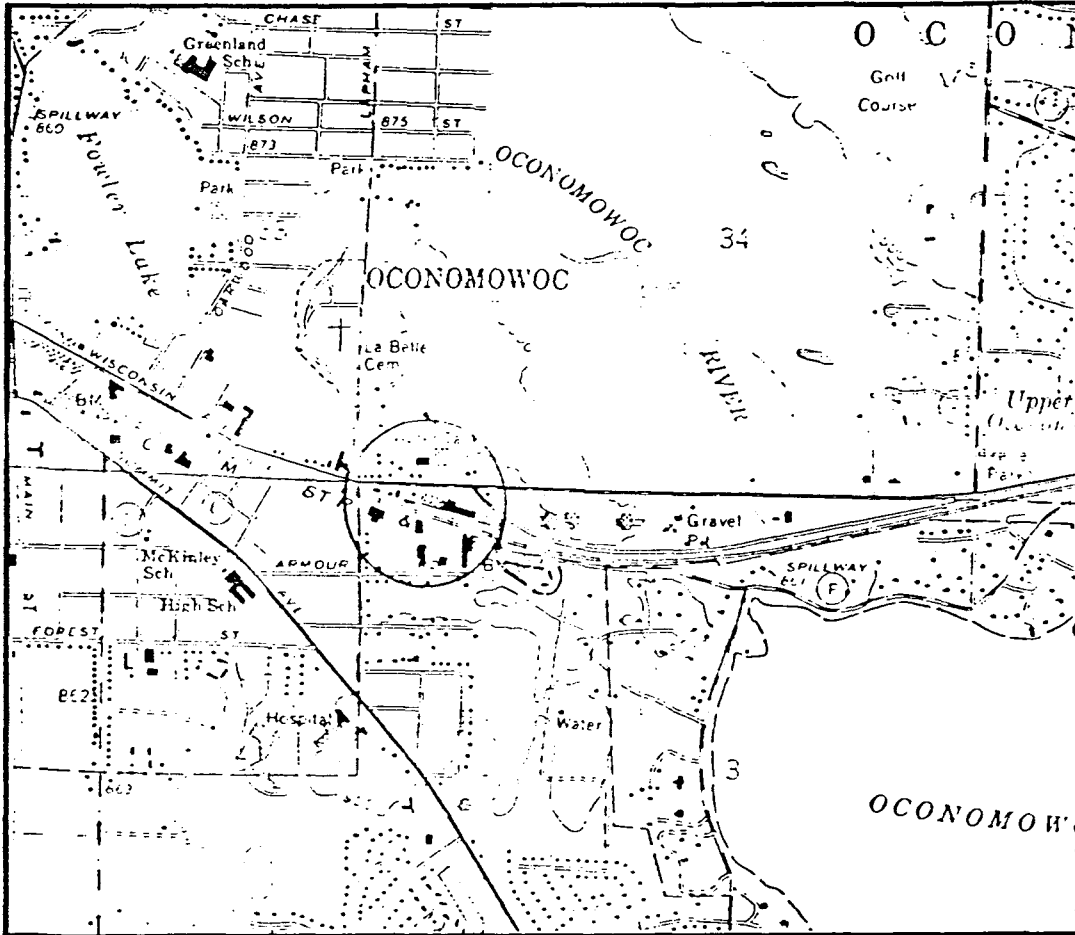
III. GEOLOGIC AND HYDROGEOLOGIC SETTING

Regional Geology. The regional geologic setting of the subject site is comprised of pleistocene aged glacial drift which overlies silurian aged bedrock. The glacial drift is in the form of ground and end moraines consisting of unsorted tills, silts and sands.

Directly below the glacial drift is an eroded bedrock surface consisting of silurian aged dolomite. Underlying the silurian dolomite is the Maquoketa formation, which consists of impermeable shales, dolomitic shales and dolomitic limestones.

The Galena - Platteville formation underlies the Maquoketa formation, and consists primarily of dolomite. A thick series of Ordovician and Cambrian aged sedimentary rocks, principally composed of sandstones, underlies the Galena - Platteville formation. Below the sedimentary rocks are basement crystalline rocks of Precambrian age.

Site Geology. On site geology consists primarily of reddish brown fine grained sand and gravel from four (4) to eighteen



Approximate Scale

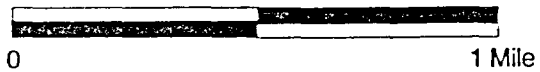


FIGURE 1

SITE LOCATION MAP

Ewald Chevrolet-Buick-Geo  
 36833 East Wisconsin Avenue  
 Oconomowoc, Wisconsin

Adapted from U.S.G.S. 7.5 Minute, Oconomowoc East Quadrangle, 1976



(18) feet. Underlying this unit are reddish brown fine grained silty sands. Groundwater was not encountered during the excavation.

Regional Hydrogeology. Aquifers typical of the area include a thick productive multilayered complex of Paleozoic sandstones and dolomite interbedded with non-productive layers and locally overlain by productive water-bearing sand and gravel. The water-bearing sand and gravel is quite discontinuous in the basin. Although it is little used in most of the basin, it forms important groundwater reservoirs along the Kettle Moraine and in buried bedrock valleys of Walworth, Waukesha and Washington counties.

The major recharge of this groundwater is precipitation, which infiltrates the ground surface and is transported through permeable soil formations. The groundwater recharge is greater and more rapid in the areas covered by permeable sediment (northwest and southwest) than in areas covered by thick clayey till and lake clay (along the lake shore and between Green Bay and Winnebago).

#### IV. PREVIOUS SITE WORK

On July 20, 1990, CBC supervised the removal of the following underground storage tanks (USTs) and dispensers at the Ewald automobile dealership located in Oconomowoc, Wisconsin:

- \* Two (2) 4,000 Gallon USTs - Gasoline

Soil samples were collected from areas surrounding the pre-existing USTs. Laboratory results revealed that petroleum hydrocarbon contamination existed.



V. SOIL EXCAVATION

On September 28, 1990, CBC Environmental Services supervised the excavation of contaminated soils surrounding the two (2) former 4,000 gallon gasoline underground storage tanks. Excavation started at the center of the pre-existing tank excavation and continued both laterally and vertically until cleaner native soils were encountered.

During the excavation, periodic samples were collected from the wall and the base of the excavation. Samples were collected from 3 to 4 inches beyond the surface with a hand trowel. The hand trowel was decontaminated with an alconox wash, hexane rinse and triple deionized water rinse between sampling events. The samples were placed in clean 4-oz glass jars, allowed to equilibrate with ambient temperature and field screened with an 11.7 electron volt (eV) HNU Photoionization Detector (PID). The PID provides a semi-quantitative value of volatile organic compounds with ionization potentials of less than 11.7 electron volts and was calibrated with a 100 ppm Isobutylene/Air gas prior to usage.

Soil Analysis. Upon terminating the excavation, a series of confirmatory soil samples were collected from the wall and base of the excavation (see Figure 2). Two (2) samples were collected at each sample location; one (1) sample was immediately placed into a glass jar, sealed with a teflon lined cap, and placed into an ice packed cooler. The second sample was also placed into a glass jar and screened for volatile organic compounds utilizing a 11.7 electron volt PID. The four confirmatory soil samples with the highest PID readings were accompanied by a chain-of-custody document and transported to the CBC laboratory in Oak Creek, Wisconsin, for Total Petroleum Hydrocarbon (TPH) analysis. Laboratory results revealed that all of the soil samples analyzed were below the 10 ppm guidelines established by the Wisconsin

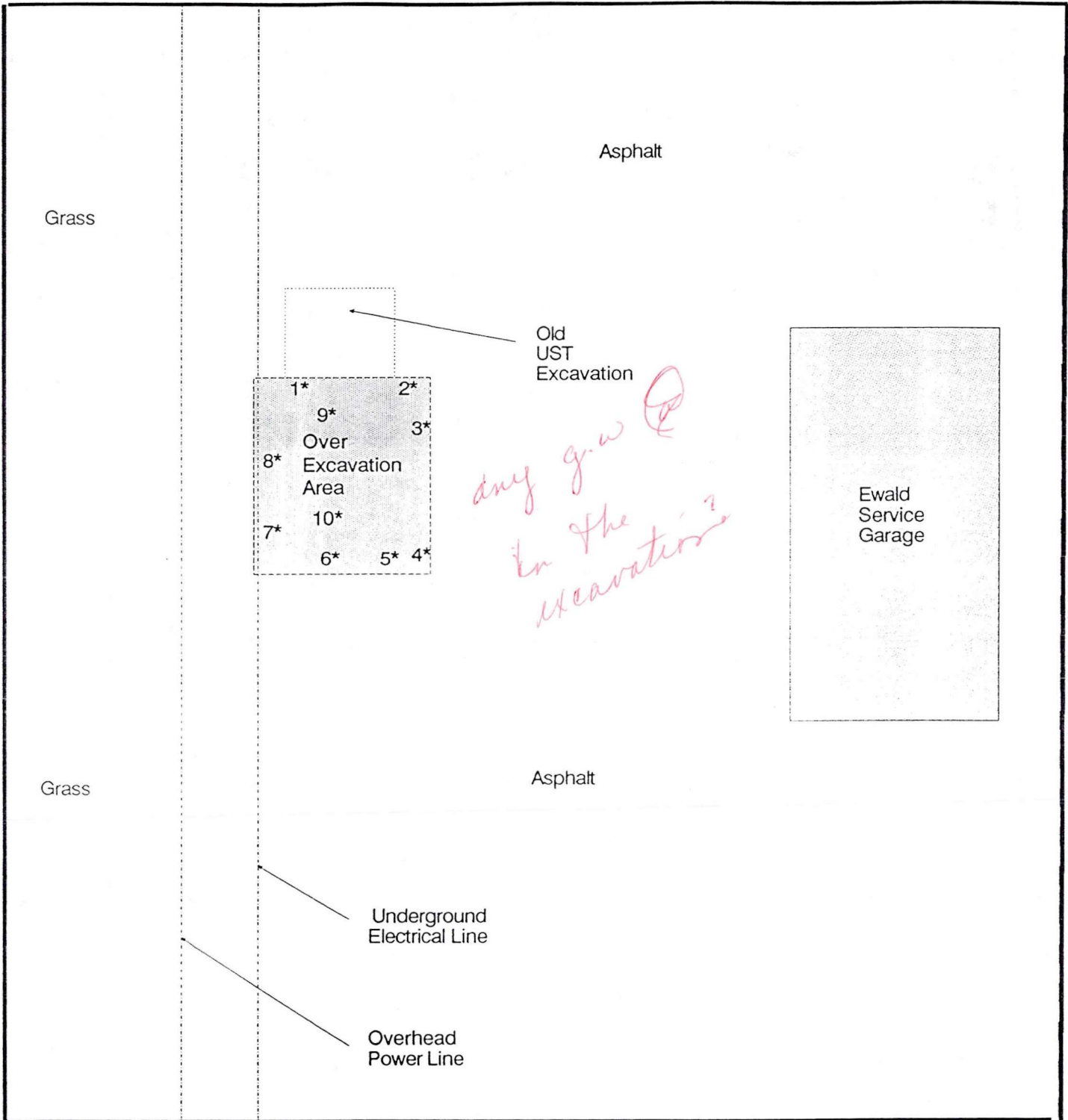


Figure 2

**Sample Location Map**

Ewald Chevrolet-Buick-Geo  
 368833 E. Wisconsin Avenue  
 Oconomowoc, Wisconsin



Approximate Scale



Key

#\* Sample Locations

Department of Natural Resources for TPH. Laboratory and PID results are indicated in Table 1. Laboratory results are presented in Appendix B.

TABLE 1  
SOIL QUALITY RESULTS

<u>Location</u>	<u>Depth (Feet)</u>	<u>PID Results (ppm)</u>	<u>Laboratory Results TPH (ppm)</u>
1 North Wall	18.0	ND	NA
2 North Wall	18.0	ND	NA
3 East Wall	18.0	12.0	5.0
4 East Wall	18.0	2.0	NA
5 South Wall	18.0	ND	NA
6 South Wall	18.0	ND	NA
7 West Wall	18.0	20.0	NA
8 West Wall	18.0	25.0	7.0
9 Base North	21.0	20.0	4.0
10 Base South	21.0	170.0	4.0

ND = No Detection  
 NA = Not Analyzed  
 ppm = Parts per million

Regulations - Soil. The Wisconsin Department of Natural Resources (WDNR) has not established Preventative Action Limits or Enforcement Standards for substances detected in soils. Generally, the WDNR reviews each case individually to determine if contaminated soils may impact groundwater quality and if remediation is necessary. The WDNR has stated that they normally require some action if the level of total petroleum hydrocarbon concentration in soil is 10 ppm or greater.

VI. CONCLUSIONS

1. Soil samples collected along the base and walls of the excavation were all below the 10 ppm guidelines established by the Wisconsin Department of Natural

Resources (WDNR) for Total Petroleum Hydrocarbons (TPH) compounds.

2. Approximately 140 tons of contaminated soil has been excavated, placed on 4.5 mil visquene, covered and is awaiting permitting for landfill disposal.

#### VII. RECOMMENDATIONS

Based on the information presented in this report, CBC Environmental Services recommends that further remediation and/or investigation is not warranted at this time.

#### VIII. LIMITATIONS OF INVESTIGATION

This report was prepared under constraints of cost, time, and scope, and reflects a limited assessment and evaluation rather than a full, total, complete or extensive assessment and evaluation.

Our assessment was performed using the degree of care and skill ordinarily exercised, under similar circumstances, by Professional Consultants practicing in this or similar localities. No other warranty or guarantee, expressed or implied, is made as to the conclusion and professional advice included in this report.

The findings of this report are valid as of the present date of the assessment. However, changes in the conditions of a property can occur with the passage of time, whether due to natural processes or the works of man on this or adjacent properties. In addition, changes in applicable or appropriate standards may occur, whether they result from legislation, from the broadening of knowledge, or from other reasons. Accordingly, the findings of this report may be invalidated wholly or partially by changes outside our control.



The interpretations and conclusions contained in this report are based upon the result of independent laboratory tests and analysis intended to detect the presence and/or concentrations of certain chemical constituents in samples taken from the subject property. CBC Environmental Services has no control over such testing and analysis and therefore, disclaims any responsibility for any errors and omissions arising therefrom.

A subsurface exploration was performed and presented in this report. However, subsurface exploration cannot reveal totally what is below the surface. Depending upon the sampling method and frequency, every soil condition may not be observed, and some materials or layers which are present in the subsurface may not be noted.

This report is issued with the understanding that it is the responsibility of the owner(s) to ensure that the information and recommendations contained herein are brought to the attention of the appropriate regulatory agency(ies).

APPENDIX A  
CHAIN OF CUSTODY DOCUMENTS



**ENVIRONMENTAL SERVICES**

140 E. RYAN RD.  
OAK CREEK, WI 53154  
(414) 764-7005  
1-800-365-3840

CLIENT <i>CBC Remedial Serv.</i>
PROJECT LOCATION <i>Autogrip / EWALD</i>
QUOTE NUMBER <i>TWOCR0280</i>

**CHAIN OF CUSTODY**

No. 36624

PLEASE PRESS FIRMLY WHEN WRITING

SAMPLER (Signature) <i>[Signature]</i>	AFFILIATION <i>CBC Remedial</i>	DATE <i>9-28-90</i>	TIME
PURPOSE OF ANALYSIS <i>TAM - Soil</i>			

ITEM NUMBER	NUMBER AND SIZE OF CONTAINERS	DESCRIPTION	TRANSFER NUMBER				
			1	2	3	4	5
1-1		<i>1 - East Well - 18' / 250</i>					
2-1		<i>2 - West Well - 18' / 250</i>					
3-1		<i>3 - Base North - 21' / 200</i>					
4-1		<i>4 - Base South - 21' / 1700</i>					
<p>* Results Due 10/12/90</p> <p>* * Route Results to Tim Wimmer Remedial</p>							

TRANSFER NUMBER	ITEM NUMBER	RELINQUISHED BY (Signature)	ACCEPTED BY (Signature)	DATE	TIME
1	1-4	<i>[Signature]</i>	<i>[Signature]</i>	<i>9/28/90</i>	<i>3:40</i>
2		<i>[Signature]</i>			
3					
4					
5					

5				
4				
3				
2				
1	1	Accepted by (Signature) <i>William M. Gorka</i>	Relinquished by (Signature) <i>William M. Gorka</i>	Transfer Item Number
		DATE	TIME	

ITEM NUMBER	NUMBER AND SIZE OF CONTAINERS	DESCRIPTION	TRANSFER NUMBER
	1 4oz Gal	* Results Die 12/12/90 * Route Results to Tim Williams * * Remedial * * Copy to the left * * Health	1 2 3 4 5

PURPOSE OF ANALYSIS: AFB18 - Contaminated Soil Anal TCLP as needed

SAMPLER (Signature): *William M. Gorka*

AFFILIATION: CBC Remedial

DATE: 9-28-90

TIME:

CLIENT: CBC Remedial Serv.

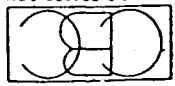
PROJECT LOCATION: Hydroquip Field

QUOTE NUMBER: WOODR0280

PLEASE PRESS FIRMLY WHEN WRITING

140 E. RYAN RD.  
OAK CREEK, WI 53154  
(414) 764-7005  
1-800-365-3840

**ENVIRONMENTAL SERVICES**

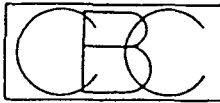


CHAIN OF CUSTODY

No. 36625



APPENDIX B  
LABORATORY REPORTS - SOIL



# ENVIRONMENTAL SERVICES

CHEM-BIO CORPORATION  
140 EAST RYAN ROAD OAK CREEK, WI 53154-4599 (414) 764-7005

10/04/90

LABORATORY REPORT

PAGE 1

C739 8455709 W61

CBC REMEDIAL SERVICES INC.  
140 E. RYAN ROAD  
OAK CREEK ,WI 53154  
ATTN: TIM WIMMER

TEWOCR0280

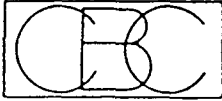
SAMPLE 90271-C11520 #3 EAST WALL - 18"/12.0/SOIL AUTOQUIP/EWALD  
DATE COLLECTED 09/28/90 DATE RECEIVED 09/28/90

TEST NAME	RESULT	UNITS
TOTAL PETROLEUM HYDROCARBONS	5.0	PPM
	GASOLINE	

PLEASE CONTACT CLIENT SERVICES WITH ANY QUESTIONS. WATER SAMPLES ARE DISPOSED OF 30 DAYS AFTER RECEIPT ; NON-WATER SAMPLES WILL BE RETURNED 6 WEEKS AFTER RECEIPT. N/T = NOT TESTED, N/A = NOT APPLICABLE,  
@ = ELEVATED DETECTION LIMIT DUE TO MATRIX INTERFERENCE. # = ELEVATED DETECTION LIMIT DUE TO SAMPLE CONCENTRATION.  
\$ = ELEVATED DETECTION LIMIT DUE TO SAMPLE VOLUME.

IL EPA CERTIFICATION # 100243; AIHA ACCREDITED.

APPROVAL M.F.



# ENVIRONMENTAL SERVICES

CHEM-BIO CORPORATION

140 EAST RYAN ROAD OAK CREEK, WI 53154-4599 (414) 764-7005

10/05/90

LABORATORY REPORT

PAGE 1

C739 8455709 W61

TEWOCR0280

CBC REMEDIAL SERVICES INC.  
140 E. RYAN ROAD  
OAK CREEK, WI 53154  
ATTN: TIM WIMMER

SAMPLE 90271-C11521 #8 WEST WALL - 18'/25.0/SOIL AUTOQUIP/EWALD  
DATE COLLECTED 09/28/90 DATE RECEIVED 09/28/90

TEST NAME	RESULT	UNITS
TOTAL PETROLEUM HYDROCARBONS	7.0	PPM
	DIESEL. BASED ON SIMILARITIES TO DIESEL STANDARD.	

PLEASE CONTACT CLIENT SERVICES WITH ANY QUESTIONS. WATER SAMPLES ARE DISPOSED OF 30 DAYS AFTER RECEIPT ; NON-WATER SAMPLES WILL BE RETURNED 6 WEEKS AFTER RECEIPT. N/T = NOT TESTED, N/A = NOT APPLICABLE,

@ = ELEVATED DETECTION LIMIT DUE TO MATRIX INTERFERENCE. # = ELEVATED DETECTION LIMIT DUE TO SAMPLE CONCENTRATION.

\$ = ELEVATED DETECTION LIMIT DUE TO SAMPLE VOLUME.

IL EPA CERTIFICATION # 100243; AIHA ACCREDITED.

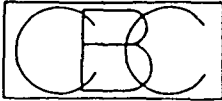
APPROVAL WPS

WI DNR LAB CERTIFICATION #241283020

CLIENT SERVICES DIRECT LINE 414-768-7460

FAX #414-764-0486

1-800-365-3840



# ENVIRONMENTAL SERVICES

CHEM-BIO CORPORATION  
140 EAST RYAN ROAD OAK CREEK, WI 53154-4599 (414) 764-7005

10/04/90

LABORATORY REPORT

PAGE 1

C739 8455709 W61

CBC REMEDIAL SERVICES INC.  
140 E. RYAN ROAD  
OAK CREEK ,WI 53154  
ATTN: TIM WIMMER

TEWOCR0280

SAMPLE 90271-C11522 #9 BASE NORTH- 21'/20.0/SOIL AUTOQUIP/EWALD  
DATE COLLECTED 09/28/90 DATE RECEIVED 09/28/90

TEST NAME	RESULT	UNITS
TOTAL PETROLEUM HYDROCARBONS	<4.0	PPM

PLEASE CONTACT CLIENT SERVICES WITH ANY QUESTIONS. WATER SAMPLES ARE DISPOSED OF 30 DAYS AFTER RECEIPT ; NON-WATER SAMPLES WILL BE RETURNED 6 WEEKS AFTER RECEIPT. N/T = NOT TESTED, N/A = NOT APPLICABLE,  
@ = ELEVATED DETECTION LIMIT DUE TO MATRIX INTERFERENCE. # = ELEVATED DETECTION LIMIT DUE TO SAMPLE CONCENTRATION.  
\$ = ELEVATED DETECTION LIMIT DUE TO SAMPLE VOLUME.

IL EPA CERTIFICATION # 100243; AIHA ACCREDITED.

APPROVAL M.F.R.





# ENVIRONMENTAL SERVICES

CHEM-BIO CORPORATION  
140 EAST RYAN ROAD OAK CREEK, WI 53154-4599 (414) 764-7005

10/04/90

LABORATORY REPORT

PAGE 1

C739 8455709 W61

CBC REMEDIAL SERVICES INC.  
140 E. RYAN ROAD  
OAK CREEK ,WI 53154  
ATTN: TIM WIMMER

TEWOCR0280

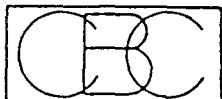
SAMPLE 90271-C11523 #10 BASE SOUTH- 21'/170.0/SOIL AUTOQUIP/EWALD  
DATE COLLECTED 09/28/90 DATE RECEIVED 09/28/90

TEST NAME	RESULT	UNITS
TOTAL PETROLEUM HYDROCARBONS	<4.0	PPM

PLEASE CONTACT CLIENT SERVICES WITH ANY QUESTIONS. WATER SAMPLES ARE DISPOSED OF 30 DAYS AFTER RECEIPT ; NON-WATER SAMPLES WILL BE RETURNED 6 WEEKS AFTER RECEIPT. N/T = NOT TESTED, N/A = NOT APPLICABLE,  
@ = ELEVATED DETECTION LIMIT DUE TO MATRIX INTERFERENCE. # = ELEVATED DETECTION LIMIT DUE TO SAMPLE CONCENTRATION.  
\$ = ELEVATED DETECTION LIMIT DUE TO SAMPLE VOLUME.

IL EPA CERTIFICATION # 100243; AIHA ACCREDITED.

APPROVAL M.T.H.



# ENVIRONMENTAL SERVICES

CHEM-BIO CORPORATION

140 EAST RYAN ROAD OAK CREEK, WI 53154-4599 (414) 764-7005

# COPY

10/10/90

LABORATORY REPORT

PAGE 1

C739 8455708 W61

JG/\* / / /

TEWOCR0280

CBC REMEDIAL SERVICES INC.  
140 E. RYAN ROAD  
OAK CREEK ,WI 53154  
ATTN: TIM WIMMER

SAMPLE 90271-C11519 CONTAMINATED SOIL PILE/AUTOQUIP/EWALD  
DATE COLLECTED 09/28/90 DATE RECEIVED 09/28/90

TEST NAME	RESULT	UNITS
BENZENE	<0.002	PPM
TOLUENE	15	PPM
XYLENE	<0.002	PPM
TOTAL PETROLEUM HYDROCARBONS	53	PPM
BASED ON SIMILARITIES TO GASOLINE STANDARD GASOLINE		
LEAD - TOTAL	1.3	PPM
FREE LIQUIDS	0	%
FLASH POINT (OPEN CUP)	>210	DEG. F
PH (UNITS)	9.0	
PH MEASURED AS SOLID IN WATER.		
TOTAL SOLIDS	95	%

PLEASE CONTACT CLIENT SERVICES WITH ANY QUESTIONS. WATER SAMPLES ARE DISPOSED OF 30 DAYS AFTER RECEIPT ; NON-WATER SAMPLES WILL BE RETURNED 6 WEEKS AFTER RECEIPT. N/T = NOT TESTED, N/A = NOT APPLICABLE,  
@ = ELEVATED DETECTION LIMIT DUE TO MATRIX INTERFERENCE. # = ELEVATED DETECTION LIMIT DUE TO SAMPLE CONCENTRATION.  
\$ = ELEVATED DETECTION LIMIT DUE TO SAMPLE VOLUME.

IL EPA CERTIFICATION # 100243; AIHA ACCREDITED.

APPROVAL *KH/M.T.L.*

APPENDIX C  
TANK INVENTORY FORMS

# UNDERGROUND PETROLEUM PRODUCT TANK INVENTORY

**Send Completed Form To:**  
Safety & Buildings Div.  
Fire Prevention Section  
P.O. Box 7969  
Madison, WI 53707  
Telephone (608) 266-7874

For Office Use Only:  
Tank ID # \_\_\_\_\_

### Instructions

This form is to be completed pursuant to Section 101.142, Wis. Stats., to register all underground tanks in Wisconsin that have stored, currently store or will store petroleum or regulated substances. Please see the reverse side for additional information on this program. An underground storage tank is defined as any tank with at least 10 percent of its total volume (including piping) located below ground level. A separate form is needed for each tank. Send each completed form to the agency designated in the top right corner.

This Individual Tank  
Registration Applies  
To (check one):

1.  Tank still in active use
2.  Inoperative or abandoned tank with product still in tank
3.  Inoperative or abandoned tank with no known product in tank
4.  Location for which tank has been removed
5.  New tank to be installed (provide date): \_\_\_\_\_

#### A. IDENTIFICATION

1. Name of Installation <i>EMIL EWALD CHEV BUICK INC.</i>			2. Name for Mailing if Different Than # 1		
Street Address of Installation <i>36833 E. WISCONSIN AVE</i>			Mailing Address if Different Than #1		
<input type="checkbox"/> City	<input checked="" type="checkbox"/> Village	<input type="checkbox"/> Town of: <i>ACONDOWOC</i>	<input type="checkbox"/> City	<input type="checkbox"/> Village	<input type="checkbox"/> Town of:
State <i>WI</i>	Zip Code <i>53066</i>	County <i>WAUKESHA</i>	State	Zip Code	County
Name of Contact Person <i>BRIAN EWALD</i>			4. Name of Owner if Different from #3		
Street Address <i>SAME</i>			Street Address		
<input type="checkbox"/> City	<input type="checkbox"/> Village	<input type="checkbox"/> Town of:	<input type="checkbox"/> City	<input type="checkbox"/> Village	<input type="checkbox"/> Town of:
State	Zip Code	County	State	Zip Code	County
Telephone Number (include area code) <i>414 367-5100</i>			Telephone Number (include area code)		
Fire Department Name and ID # <i>TOWN OF SUMMIT</i>		6. Tank Age (date installed, if known; or years old) <i>?</i>	7. If Tank Abandoned, Give Date (mo / day / yr)		
Tank Capacity (in gallons) <i>2000</i>		9. Tank Manufacturer's Name, if known: <i>?</i>			

#### TANK CONSTRUCTION:

1.  Bare Steel
2.  Cathodically Protected Steel
3.  Coated Steel
4.  Fiberglass
5.  Other (specify): \_\_\_\_\_

#### TANK CONTENTS:

1.  Diesel
2.  Leaded Gasoline
3.  Unleaded Gasoline
4.  Fuel Oil
5.  Gasohol
6.  Other (specify): \_\_\_\_\_

#### TYPE OF USER (check one):

1.  Gas Station
2.  Bulk Storage
3.  Utility
4.  Mercantile
5.  Industrial
6.  Government
7.  School
8.  Residential
9.  Agricultural
10.  Other (specify): \_\_\_\_\_

Signature of Person Completing Form:

*Brian Ewald*

Date Completed:

*9/18/85*

**UNDERGROUND  
PETROLEUM PRODUCT  
TANK INVENTORY**

Send Completed Form To:  
Safety & Buildings Division  
P.O. Box 7969  
Madison, WI 53707  
Telephone (608) 267-5280

For Office Use Only:  
Tank ID #

This form is to be completed pursuant to Section 101.142, Wis. Stats., to register all underground tanks in Wisconsin that have stored or currently store petroleum or regulated substances. Please see the reverse side for additional information on this program. An underground storage tank is defined as any tank with at least 10 percent of its total volume (included piping) located below ground level. A separate form is needed for each tank. Send each completed form to the agency designated in the top right corner.

This registration applies to a tank that is (check one):

- |   |   |
|---|---|
| 1 <input type="checkbox"/> In Use                                     | 4 <input checked="" type="checkbox"/> Abandoned - Tank Removed    |
| 2 <input type="checkbox"/> Abandoned With Product                     | 6 <input type="checkbox"/> Abandoned - Filled With Inert Material |
| 3 <input type="checkbox"/> Abandoned No Product (empty) or With Water | 7 <input type="checkbox"/> Out of Service                         |

Fire Department Providing Fire Coverage Where Tank Located:

Oconomowoc

**A. IDENTIFICATION: (Please Print)**

1. Installation Name <b>EMIL EWALD CHEM - BUCK INC.</b>			2. Mailing Name if Different Than #1 <b>Same</b>		
Installation Street Address <b>36833 E. Wisconsin Ave.</b>			Mailing Address if Different Than #1		
<input type="checkbox"/> City	<input checked="" type="checkbox"/> Village	<input type="checkbox"/> Town of:	<input type="checkbox"/> City	<input type="checkbox"/> Village	<input type="checkbox"/> Town of:
<b>Oconomowoc Lake</b>					
State	Zip Code	County	State	Zip Code	County
3. Name of Contact Person <b>Brian Ewald</b>			4. Owner Name if Different Than #3 <b>Same</b>		
Street Address <b>Same</b>			Street Address		
<input type="checkbox"/> City	<input type="checkbox"/> Town	State	Zip Code	<input type="checkbox"/> City	<input type="checkbox"/> Town
<input type="checkbox"/> Village of:				<input type="checkbox"/> Village of:	
County	Telephone No. (include area code)	County	Telephone No. (include area code)		
<b>414-367-5100</b>					
5. Tank Age (date installed, if known: or years old) <b>Unknown</b>		6. Tank Capacity (gallons) <b>2000</b>		7. Tank Manufacturer's Name (if known) <b>Unknown</b>	

**B. TYPE OF USER (check one):**

- |   |  |                                    |  |
|---|--|------------------------------------|--|
| 1 <input type="checkbox"/> Gas Station  | 2 <input type="checkbox"/> Bulk Storage      | 3 <input type="checkbox"/> Utility | 4 <input checked="" type="checkbox"/> Mercantile |
| 5 <input type="checkbox"/> Industrial   | 6 <input type="checkbox"/> Government        | 7 <input type="checkbox"/> School  | 8 <input type="checkbox"/> Residential           |
| 9 <input type="checkbox"/> Agricultural | 10 <input type="checkbox"/> Other (specify): |                                    |  |

**C. TANK CONSTRUCTION:**

- |   |   |   |
|---|---|---|
| 1 <input type="checkbox"/> Bare Steel   | 2 <input checked="" type="checkbox"/> Cathodically Protected and Coated Steel ( <input type="checkbox"/> Sacrificial Anodes or <input type="checkbox"/> Impressed Current ) | 5 <input type="checkbox"/> Other (specify): |
| 3 <input type="checkbox"/> Coated Steel | 4 <input type="checkbox"/> Fiberglass   |   |
| 6 <input type="checkbox"/> Relined      | 7 <input type="checkbox"/> Steel - Fiberglass Reinforced Plastic Composite  |   |

Is tank UL Approved?  Yes  No      Is Tank Double Walled?  Yes  No

Overfill Protection Provided?  Yes  No      If yes, identify type:

**D. PIPING CONSTRUCTION**

- |                                       |   |   |
|---------------------------------------|---|---|
| 1 <input type="checkbox"/> Bare Steel | 2 <input checked="" type="checkbox"/> Cathodically Protected Steel (With Coating? <input type="checkbox"/> Yes <input type="checkbox"/> No) | 3 <input type="checkbox"/> Coated Steel |
| 4 <input type="checkbox"/> Fiberglass | 5 <input type="checkbox"/> Other (specify):   | 6 <input type="checkbox"/> Unknown      |

Cathodic Protection By:  Sacrificial Anodes or  Impressed Current      UL Approved?  Yes  No      Double Walled  Yes  No

**E. TANK CONTENTS**

- |  |                                    |  |   |
|--|------------------------------------|--|---|
| 1 <input type="checkbox"/> Diesel      | 2 <input type="checkbox"/> Leaded  | 3 <input checked="" type="checkbox"/> Unleaded | 4 <input type="checkbox"/> Fuel Oil           |
| 5 <input type="checkbox"/> Gasohol     | 6 <input type="checkbox"/> Other   | 7 <input type="checkbox"/> Empty               | 8 <input type="checkbox"/> Sand/Gravel/Slurry |
| 9 <input type="checkbox"/> Unknown     | 10 <input type="checkbox"/> Premix | 11 <input type="checkbox"/> Waste Oil          | 12 <input type="checkbox"/> Propane           |
| 13 <input type="checkbox"/> Chemical * |                                    | 14 <input type="checkbox"/> Kerosene           | 15 <input type="checkbox"/> Aviation          |

\* If # 13 is checked, indicate the chemical name(s) or number(s) of the chemical or waste

If Tank Abandoned, Give Date (mo/day/yr): <b>7-20-90</b>	Has Clean Closure Status Been verified? (see reverse side for details) <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No
---	--

If installation of a new tank is being reported, indicate who performed the installation inspection:		
1 <input type="checkbox"/> Fire Department	2 <input type="checkbox"/> DILHR	3 <input type="checkbox"/> Other (identify) _____

Signature of Person Completing Report: <b>Jeffrey M. Janak</b> <b>CBC Environmental Services</b>	Date Signed: <b>11-26-90</b>
---	---------------------------------

This form is required to be submitted by subchapters III and IV of ch. 144, Wis. Stats. Failure to submit this form may result in forfeitures of not less than \$10 or more than \$25,000 for each violation, pursuant to ss. 144.426, 144.469, 144.74(1), and 144.99, Wis. Stats., or fines of not less than \$100 or more than \$150,000 or imprisonment for not more than 10 years, or both, pursuant to s. 144.74(2), Wis. Stats. Each day of a continuing violation constitutes a separate violation.

Sections I, II & IV must be filled out completely. Also, complete other sections that apply.

DATE: October 23, 1990

Return completed forms to: L.U.S.T. Specialist at the appropriate District or Area Office.

**I. SOURCE OF SOIL**

Facility Name <u>Ewald - Chevrolet/Buick/Geo</u>	Site ID# (For DNR use only)
Site Address <u>36833 East Wisconsin Avenue</u>	Contact Name <u>Mr. Brian Ewald</u>
City, State, Zip Code <u>Oconomowoc, WI 53066</u>	Telephone Number (Include Area Code) <u>(414) 367-5100</u>
Section, Township and Range <u>Section 4, T7N, R17 East</u>	Facility Owner/Operator Signature

**II. CONTAMINATION DETAILS**

Volume Soil (Cubic yards)	Certified DNR Lab Number <u>241283020</u>
Type of Petroleum Contamination (Circle one) <u>1 Gasoline</u> 2 Diesel Fuel      3 #2 Fuel Oil 4 Other	Lab Name <u>CBC Environmental Services</u>
Contaminant Concentration (Two representative composite samples for every 300 cubic yards of soil, in ppm.) Attach Laboratory Analyses	Sampling Method (Brief description of method used to obtain representative sample of soil) <u>collected sample - 3 to 4 inches below ground surface with decontaminated hand trowel.</u>
Sample No. . . . . <u>A</u>	Total Benzene In Soil To Be Remediated (Attach calculations) <u>0.00028 lbs</u>
Benzene . . . . . <u>0.002</u>	Total Amount of Petroleum Hydrocarbons In Soil to Be Remediated (Attach calculations) <u>7.42 lbs</u>
Toluene . . . . . <u>-</u>	Percent Soil Less Than 200 Mesh or 74 Microns
Ethylbenzene . . . . . <u>-</u>	Soil Classification Type (Sand, silt, clay, etc.) <u>Fine to medium grained sands</u>
Total Xylenes . . . . . <u>-</u>	Anticipated Time Frame for Remediation Start Date      End Date
Total Petroleum Hydrocarbons as Gasoline <u>53</u>	Method of Pulverizing Silt or Clay Soils
Total Petroleum Hydrocarbons as Fuel Oil <u>-</u>	

**III. PROPOSED METHOD OF SOIL TREATMENT**

1. Asphalt Plant/Other Type of Thermal Evaporation Unit	WDNR Air Quality Permit Number	WPDES Permit Number
Name	s. 144.04 Plan Approval Number or Equivalent	
Address	(Sealed ponds according to NR 213)	
City, State, Zip Code	Distance to Nearest Residence/Business	
(If portable, where will plant be located)	Burner Temperature During Soil Treatment	Soil Residence Time in Burner During Treatment
Plant Number and Model	DNR Facility Identification Number	
Contact Name	Anticipated Date Treatment Will be Completed	
Title	(If stockpiled before being treated, all petroleum contaminated soil must be underlain and overlain by an impermeable membrane.)	
Telephone Number (Include area code)	Final Disposition of Treated Soil (How used, specific location)	
Site Telephone Number (Include area code)		



**Section 1 continued.**

If soils will not be incorporated into asphalt, post burn soil testing is required. Soils will need to be sampled for the same parameters listed in Item II. Two composite soil samples are to be taken every 300 cubic yards of soil.

Highest Emission of VOC's Intended to Occur  
 \_\_\_\_\_ hourly\* \_\_\_\_\_ daily\*  
 Highest Emission of Benzene Intended to Occur  
 \_\_\_\_\_ daily\* \_\_\_\_\_ total\*

\*Attach Calculations

**2. Volatilization of Contaminants In Soil (Passive Evaporation)**

Type of Impervious Surface  
 \_\_\_\_\_  
 Curbing or Berms (Existing or proposed construction)  
 \_\_\_\_\_  
 Thickness of Soil Undergoing Remediation (As placed)  
 \_\_\_\_\_  
 Techniques to Cover During Inclement Weather  
 \_\_\_\_\_  
 Method of Turning or Mixing Soil  
 \_\_\_\_\_  
 Method of Field Sampling  
 \_\_\_\_\_  
 Proposed Verification Method of Contaminant Content (Lab sampling)  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Location and Size of Remediation Site  
 \_\_\_\_\_

Distance to Nearest Residence/Business  
 \_\_\_\_\_

Highest Emission of VOC's Intended to Occur  
 \_\_\_\_\_ hourly\* \_\_\_\_\_ daily\*  
 Highest Emission of Benzene Intended to Occur  
 \_\_\_\_\_ daily\* \_\_\_\_\_ total\*

\*Attach Calculations

**3. Disposal of Contaminated Soils at a Sanitary Landfill-NR 500**

Name  
 \_\_\_\_\_  
 License No.  
 \_\_\_\_\_  
 Location  
 \_\_\_\_\_

**Section 3 Continued**

Contact Name  
 \_\_\_\_\_

DNR Area Investigator Contacted  
 Name  
 Mr. Jeff Fischer

Date  
 July 7, 1990

Volume to Be Disposed Of  
 \_\_\_\_\_ 100 Cubic Yards

Amount Total VOCs\*  
 \_\_\_\_\_

Amount Benzene\*  
 \_\_\_\_\_

\*Attach Calculations

Attach Map Showing Location of Approved Landfill  
 \_\_\_\_\_

**4. Soil Venting/Vacuum Extraction**

Responsible Party  
 \_\_\_\_\_

Consultant Responsible for System  
 \_\_\_\_\_

Size and Rating (In cfm) of Blower  
 \_\_\_\_\_

Distance to Nearest Residence/Business  
 \_\_\_\_\_

VOC Discharge Rate From Pilot Testing  
 \_\_\_\_\_ lbs/day at \_\_\_\_\_ CFM

Benzene Discharge Rate From Pilot Testing  
 \_\_\_\_\_ lbs/day at \_\_\_\_\_ CFM

Note: This option may need an air pollution control permit. Any exceedance of an emission limit will require the installation of an activated carbon unit or similar treatment system to strip VOCs from the blower discharge.

**5. Other Method of Soil Remediation**

Please Describe the Method to Be Used  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**IV. OWNER/OPERATOR OR CONSULTANT SUBMITTING REQUEST**

Company Name  
 CBC Environmental Services

Contact Name  
 Mr. Jeff Larkin

Address  
 140 E. Ryan Road

Telephone Number (Include area code)  
 (414) 768-7144

City, State, Zip Code  
 Oak Creek, Wisconsin 53154

Signature  
 Jeff M. Larkin

LEAVE BLANK - DEPARTMENT OF NATURAL RESOURCES USE ONLY			
APPLICATION			
Concurrence	Contact Name		
_____	Air Management	_____	Date _____
_____	Solid Waste	_____	Date _____
_____		_____	Date _____
Comments			
_____			
_____			

## Amount Benzene

$$\frac{0.002 \text{ ppm}}{1,000,000} \times 2,000 \times 140 \times 0.50$$

$$= 0.00028 \text{ lbs of Benzene}$$

## Total Amount of Petroleum Hydrocarbons

$$\frac{53}{1,000,000} \times 2,000 \times 140 \times 0.50$$

$$7.42 \text{ lbs of TPH}$$

**A REPORT OF THE REMOVAL  
OF THREE (3) 1000 GALLON  
UNDERGROUND STORAGE  
TANKS AT  
EWALD-CHEVROLET/BUICK/GEO**

RECEIVED

SEP 18 1990

BUREAU OF SOLID -  
HAZARDOUS WASTE MANAGEMENT

**PREPARED FOR:  
MR. BRIAN EWALD  
EWALD-CHEVROLET/BUICK/GEO  
36833 EAST WISCONSIN AVENUE  
OCONOMOWOC, WISCONSIN 53066**

**PREPARED BY:  
TIMOTHY E. WIMMER  
PROJECT MANAGER  
CBC ENVIRONMENTAL SERVICES  
140 EAST RYAN ROAD  
OAK CREEK, WISCONSIN 53154**

**PROJECT REFERENCE #TEWOCR0194**

**SEPTEMBER 14, 1990**

I. INFORMATION

Site Address: Ewald Chevrolet/Buick/Geo  
36833 East Wisconsin Avenue  
Oconomowoc, Wisconsin 53066  
Attention: Mr. Brian Ewald  
Telephone (414) 258-5001

Underground Storage Tank Removal Provided By:  
Autoquip, Incorporated  
3861 North 35th Street  
Milwaukee, Wisconsin 53216-3002

Underground Storage Tank Decontamination and Disposal Provided  
by:

National Tank Service of Wisconsin, Inc.  
1813 South 73rd Street  
Milwaukee, Wisconsin 53193

Assessment Services Provided by:  
CBC Environmental Services  
140 East Ryan Road  
Oak Creek, Wisconsin 53154

Laboratory Services Provided by:  
CBC Environmental Services  
140 East Ryan Road  
Oak Creek, Wisconsin 5315

Wisconsin Department of Natural Resources  
Laboratory Certification #

II. UNDERGROUND STORAGE TANKS REMOVED (see Figure 1)

<u>I.D.</u>	<u>Volume</u>	<u>Product Stored</u>
Tank C	1000 Gallons	Drain Oil
Tank D	1000 Gallons	Motor Oil
Tank E	1000 Gallons	Diesel Fuel

III. SAMPLE LOCATIONS/FIELD AND LABORATORY RESULTS (see Figure 1)

<u>Sample I.D.</u>	<u>Depth (Feet)</u>	<u>PID Levels (parts per million)</u>	<u>Total Petroleum Hydrocarbons (parts per million)</u>
1	10	ND	<4.0
2	10	ND	<4.0
3	10	ND	<4.0
4	6	ND	NT
5	6	ND	NT
6	6	ND	NT
7	6	ND	NT

\*Key: ND = Not Detected  
NT = Not Tested

IV. SUMMARY

Soil Assessment. On July 20, 1990, CBC Environmental Services collected samples from the previously mentioned underground storage tanks excavating at the Ewald automobile dealership located in Oconomowoc, Wisconsin. Soil samples were collected at:

- Points where strong odors or soil discoloration indicated the presence of contamination.
- At both ends of each tank.
- Underneath each island on the supply side where applicable.

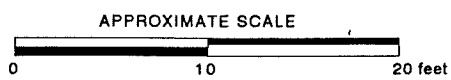
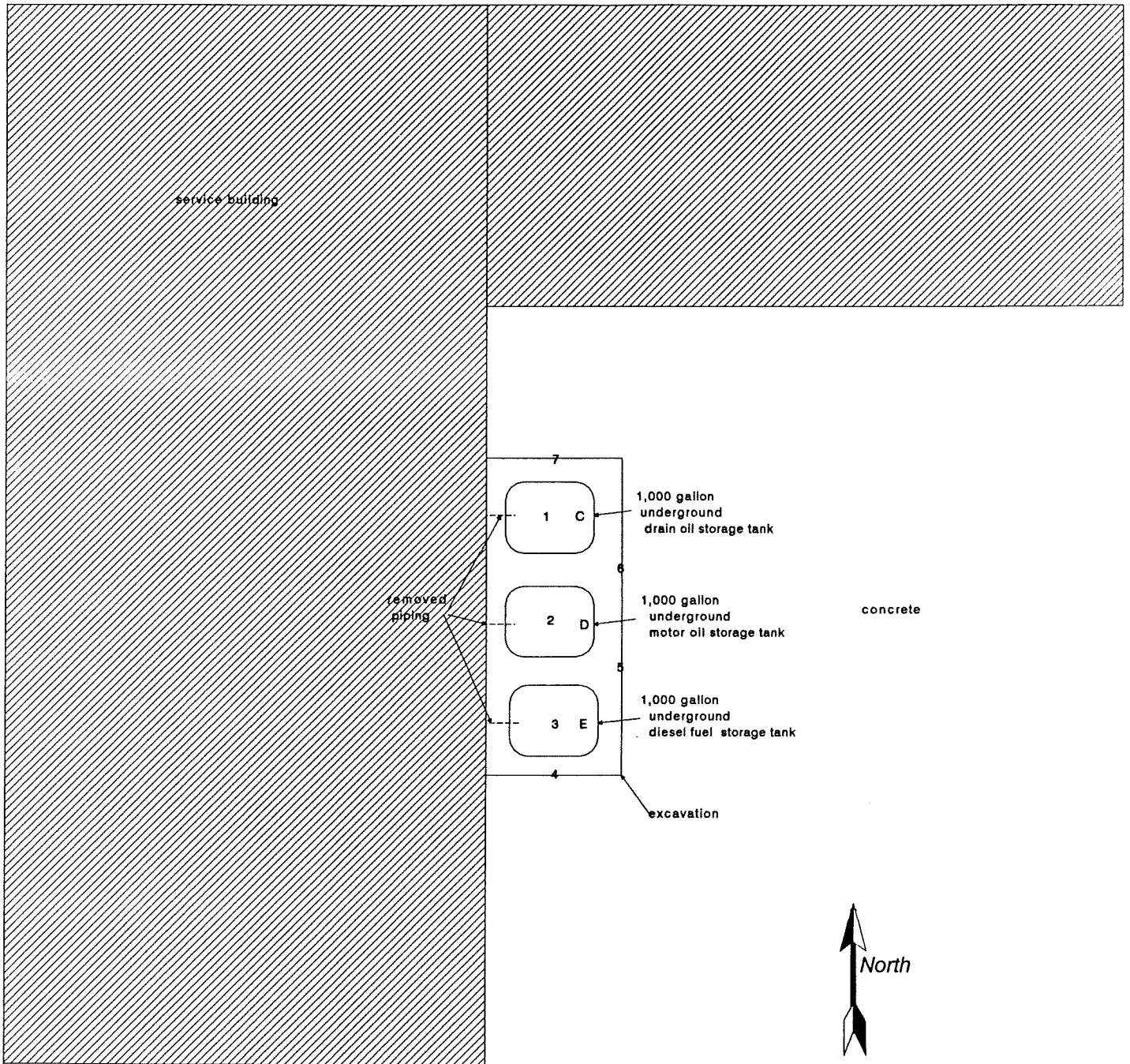


Figure 1

SITE/SAMPLE LOCATION MAP

EWALD CHEVROLET-BUICK-GEO

36833 E. Wisconsin Avenue  
Oconomowoc, Wisconsin

- Every 20 feet along piping runs, where applicable.

Soil samples were screened with an HNU Photoionization Detector (PID) utilizing an 11.7 electron volt (eV) lamp. The three (3) soil samples with the "highest" levels detected on the PID and best represented the required sample locations, were submitted with a Chain-of-Custody document (see Appendix A) to the CBC Environmental Services laboratory and tested for total petroleum hydrocarbons (TPH).

A review of the laboratory reports (see Appendix B) has revealed that none of the three samples exceeded the 10 parts per million guidelines established by the Wisconsin Department of Natural Resources (WDNR) for TPH concentration. In addition, PID readings of samples collected from the sidewalls and screened did not detect volatile compounds.

#### V. GEOLOGY

The geology of the area, as evidenced in the excavation, is revealed ten (10) feet of a brown medium sand with cobble overlying a brown to grey fine sand-clay. Ground water was not encountered.

#### VI. CONCLUSIONS AND RECOMMENDATIONS

Based on the data provided, the following conclusions and recommendations are presented:

1. Three (3) 1000 gallon underground storage tanks (USTs) have been removed.
2. The three (3) USTs have been decontaminated and waste sludges disposed by National Tank Service.
3. An assessment of soils did not detect petroleum hydrocarbons.

4. The general geology of the area is comprised of ten (10) feet of brown, medium sand with cobble overlying a brown to grey fine sand-clay.
5. Based on the information presented in this report, an investigation and/or remediation is not warranted at this time.

#### VII. DISCLAIMER

The site closure assessment conducted at the aforementioned site was intended to provide a general environmental assessment for surficial contamination via a review of available background information and a site inspection. The statements and conclusions in the report are based on our interpretations of data presented. Findings in this report may be invalidated wholly or partially upon the discovery of new information or data pertaining to the site. Chem-Bio Corporation offers no warranty or legal responsibility for the environmental status of the site assessed.



APPENDIX A  
**CHAIN-OF-CUSTODY**



# ENVIRONMENTAL SERVICES

140 E. RYAN RD.  
OAK CREEK, WI 53154  
(414) 764-7005  
1-800-365-3840

CLIENT <b>CBC Remedial</b>	C-739
PROJECT LOCATION <b>A/Q Ewald-Oconomowoc</b>	
QUOTE NUMBER <b>TEW OCR 0194</b>	

## CHAIN OF CUSTODY

**PLEASE PRESS FIRMLY WHEN WRITING**

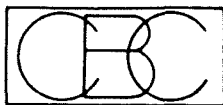
### No. 31116

SAMPLER (Signature) <i>[Signature]</i>	AFFILIATION <b>CBC - Proj. Man.</b>	DATE <b>7/20/90</b>	TIME
PURPOSE OF ANALYSIS <b>TPH - Soil</b>			

ITEM NUMBER	NUMBER AND SIZE OF CONTAINERS	DESCRIPTION	TRANSFER NUMBER				
			1	2	3	4	5
1-1	1 x 4oz	Tank C / Drain Oil / Base 44					
2-1		Tank D / Motor Oil / Base 44.					
3-1		Tank E / Diesel Fuel / Base					
<p>* Results Due August 1, 1990</p> <p>** Route Results to T. Wimmer - Remedial</p>							

TRANSFER NUMBER	ITEM NUMBER	RELINQUISHED BY (Signature)	ACCEPTED BY (Signature)	DATE	TIME
1		<i>[Signature]</i>	<i>[Signature]</i>	7/19/90	12:40 PM
2					
3					
4					
5					

APPENDIX B  
**LABORATORY REPORTS**



# ENVIRONMENTAL SERVICES

CHEM-BIO CORPORATION

140 EAST RYAN ROAD OAK CREEK, WI 53154-4599 (414) 764-7005

07/31/90

LABORATORY REPORT

PAGE 1

C739 8452878 W61

TEWOCR0194

CBC REMEDIAL SERVICES INC.  
140 E. RYAN ROAD  
OAK CREEK, WI 53154  
ATTN: TIM WIMMER

SAMPLE 90201-C11522 SOIL/TANK E/DIESEL FUEL/BASE  
A-Q EWALD-OCONOMOWOC  
DATE COLLECTED 07/20/90 DATE RECEIVED 07/20/90

TEST NAME	RESULT	UNITS
TOTAL PETROLEUM HYDROCARBONS	<4.0	PPM

PLEASE CONTACT CLIENT SERVICES WITH ANY QUESTIONS. WATER SAMPLES ARE DISPOSED OF 30 DAYS AFTER RECEIPT ; NON-WATER SAMPLES WILL BE RETURNED 6 WEEKS AFTER RECEIPT.

IL EPA CERTIFICATION # 100243; AIHA ACCREDITED.

N/T = NOT TESTED

N/A = NOT APPLICABLE

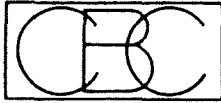
WI DNR LAB CERTIFICATION #241283020

APPROVAL

FAX #414-764-0486

CLIENT SERVICES DIRECT LINE 414-768-7460

1-800-365-3840



# ENVIRONMENTAL SERVICES

CHEM-BIO CORPORATION  
140 EAST RYAN ROAD OAK CREEK, WI 53154-4599 (414) 764-7005

08/08/90

LABORATORY REPORT

PAGE 1

C739 8452878 W61

TEWOCR0194

CBC REMEDIAL SERVICES INC.  
140 E. RYAN ROAD  
OAK CREEK ,WI 53154  
ATTN: TIM WIMMER

SAMPLE 90201-C11520 SOIL/TANK C/DRAIN OIL/BASE  
A-Q EWALD-OCONOMOWOC  
DATE COLLECTED 07/20/90 DATE RECEIVED 07/20/90

TEST NAME	RESULT	UNITS
TOTAL PETROLEUM HYDROCARBONS	<4.0	PPM

PLEASE CONTACT CLIENT SERVICES WITH ANY QUESTIONS. WATER SAMPLES ARE DISPOSED OF 30 DAYS AFTER RECEIPT ; NON-WATER SAMPLES WILL BE RETURNED 6 WEEKS AFTER RECEIPT. N/T = NOT TESTED, N/A = NOT APPLICABLE,  
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\$ = ELEVATED DETECTION LIMIT DUE TO SAMPLE VOLUME.

IL EPA CERTIFICATION # 100243; AIHA ACCREDITED.

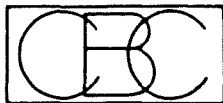
APPROVAL M.F.W.

WI DNR LAB CERTIFICATION #241283020

FAX #414-764-0486

CLIENT SERVICES DIRECT LINE 414-768-7460

1-800-365-3840



# ENVIRONMENTAL SERVICES

CHEM-BIO CORPORATION

140 EAST RYAN ROAD OAK CREEK, WI 53154-4599 (414) 764-7005

08/08/90

LABORATORY REPORT

PAGE 1

C739 8452878 W61

CBC REMEDIAL SERVICES INC.  
140 E. RYAN ROAD  
OAK CREEK ,WI 53154  
ATTN: TIM WIMMER

TEWOCR0194

SAMPLE 90201-C11521 SOIL/TANK D/MOTOR OIL/BASE  
A-Q EWALD-OCONOMOWOC  
DATE COLLECTED 07/20/90 DATE RECEIVED 07/20/90

TEST NAME	RESULT	UNITS
TOTAL PETROLEUM HYDROCARBONS	<4.0	PPM

PLEASE CONTACT CLIENT SERVICES WITH ANY QUESTIONS. WATER SAMPLES ARE DISPOSED OF 30 DAYS AFTER RECEIPT ; NON-WATER SAMPLES WILL BE RETURNED 6 WEEKS AFTER RECEIPT. N/T = NOT TESTED, N/A = NOT APPLICABLE,

@ = ELEVATED DETECTION LIMIT DUE TO MATRIX INTERFERENCE. # = ELEVATED DETECTION LIMIT DUE TO SAMPLE CONCENTRATION.

\$ = ELEVATED DETECTION LIMIT DUE TO SAMPLE VOLUME.

IL EPA CERTIFICATION # 100243; AIHA ACCREDITED.

APPROVAL *M. J. [Signature]*



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Carroll D. Besadny  
Secretary

Box 12436  
Milwaukee, Wisconsin 53212  
Fax: (414) 263-8483

File Ref: 4440

September 12, 1990

Mr. Ewald  
Ewald Chevrolet/Buick/Geo  
36883 E Wisconsin Avenue  
Oconomowoc, WI 53066

Dear Mr. Ewald:

RE: Ewald Chevrolet/Buick/Geo, 36883 E Wisconsin Av, Oconomowoc, WI

Contamination resulting from a former Leaking Underground Storage Tank (LUST) system at the above referenced location was reported to this office July 7, 1990. Releases from underground storage tanks regulated under Subtitle I of the Resource Conservation and Recovery Act must comply with the provisions of 40 CFR Parts 280 and 281. The U.S. Environmental Protection Agency (EPA) has the authority to take enforcement action at any time, but generally will not taken action against parties cooperating with the state.

The Wisconsin Department of Natural Resources (WDNR) proceeds in LUST cases under the authority of s. 144.76, Wisconsin Statutes, commonly referred to as Wisconsin's Hazardous Substance Spill Law. The definition of "hazardous substance" as found in s. 144.01(4m), Wisconsin Statutes, includes petroleum products.

In response to a mandate from the EPA to make headway in remediating and closing out LUST cases, the WDNR has implemented the LUST Case Ranking and Scoring System. Based on the information you have submitted to date, your case has been assigned to the Medium Priority Rank group. The following items are considered in ranking a case:

1. Imminent threat to health or fire/explosion hazard.
2. Geologic conditions.
3. Depth to groundwater.
4. Type of contaminant.
5. Degree of contamination.
6. Aquifer use.

Additionally, cases ranked in the "high" category are scored using a Numerical

LUST worksheet. LUST Project Managers are assigned a caseload of the top 20 priority cases in their region as determined by rank and numerical score. Cases which do not rank/score in the top 20 (i.e. most medium and low ranked cases), will be dealt with by District staff as time permits. Investigation and cleanup should not, however, be delayed pending WDNR review of your case.

Documentation of the investigation and cleanup should be prepared according to the guidance enclosed and sent to this office upon completion of the project. Remedial actions must adequately cleanup contaminated soil/or groundwater to current WDNR guidelines and/or standards. All products, soil, wastewater, and sludge must be disposed of in compliance with all applicable federal, state, and local laws and regulations. If you have applied for reimbursement through the Petroleum Environmental Cleanup Fund (PECFA), your Form 4 should be sent to the attention of the LUST Project Manager identified in this letter.

The WDNR hopes that the new Ranking and Scoring system will result in the expeditious remediation of LUST cases which pose the greatest risk to the environment and to human health and safety. Your cooperation in this matter is appreciated. Please be aware that failure to adequately address contamination on your site may result in enforcement action and disqualification for PECFA reimbursement.

If you have any questions, please contact me at the above address or at (414)263-8655.

Sincerely,



Jeffrey Fischer  
Hydrogeologist, Environmental Repair Section

JF:sc

Enclosure

c: Timothy Wimmer - CBC Environmental Services  
SED Case File



RECEIVED

SEP 12 1990

D.N.R. SED Hqtrs.  
Milwaukee, WI

**A REPORT OF THE REMOVAL  
OF TWO (2) 4000 GALLON  
UNDERGROUND GASOLINE STORAGE  
TANKS AT  
EWALD-CHEVROLET/BUICK/GEO**

**PREPARED FOR:  
MR. BRIAN EWALD  
EWALD-CHEVROLET/BUICK/GEO  
36833 EAST WISCONSIN AVENUE  
OCONOMOWOC, WISCONSIN 53066**

**PREPARED BY:  
TIMOTHY E. WIMMER  
PROJECT MANAGER  
CBC ENVIRONMENTAL SERVICES  
140 EAST RYAN ROAD  
OAK CREEK, WISCONSIN 53154**

**PROJECT REFERENCE #TEWOCR0192**

**SEPTEMBER 11, 1990**

I. INFORMATION

Site Address: Ewald Chevrolet/Buick/Geo  
36833 East Wisconsin Avenue  
Oconomowoc, Wisconsin 53066  
Attention: Mr. Brian Ewald  
Telephone (414) 258-5001

Underground Storage Tank Removal Provided By:  
Autoquip, Incorporated  
3861 North 35th Street  
Milwaukee, Wisconsin 53216-3002

Underground Storage Tank Decontamination and Disposal Provided  
by:

National Tank Service of Wisconsin, Inc.  
1813 South 73rd Street  
Milwaukee, Wisconsin 53193

Assessment Services Provided by:  
CBC Environmental Services  
140 East Ryan Road  
Oak Creek, Wisconsin 53154

Laboratory Services Provided by:  
CBC Environmental Services  
140 East Ryan Road  
Oak Creek, Wisconsin 5315

Wisconsin Department of Natural Resources  
Laboratory Certification #

II. UNDERGROUND STORAGE TANKS REMOVED (see Figure 1)

<u>I.D.</u>	<u>Volume</u>	<u>Product Stored</u>
Tank A	4000 Gallons	Gasoline
Tank B	4000 Gallons	Gasoline

III. SAMPLE LOCATIONS/FIELD AND LABORATORY RESULTS (see Figure 1)

<u>Sample I.D.</u>	<u>Depth (Feet)</u>	<u>PID Levels (parts per million)</u>	<u>Total Petroleum Hydrocarbons (parts per million)</u>
1	10	ND	NT
2	10	ND	<4.0
3	10	1.6	NT
4	10	200	690
5	3.5	ND	<4.0
6	2	ND	<4.0
7	2	ND	4.3
8	6	ND	NT
9	6	ND	NT
10	6	ND	NT
11	6	ND	NT

\*Key: ND = Not Detected  
NT = Not Tested

IV. SUMMARY

Soil Assessment. On July 20, 1990, CBC Environmental Services collected samples from the previously mentioned underground storage tank excavating at the Ewald automobile dealership located in Oconomowoc, Wisconsin. Soil samples were collected at:

- Points where strong odors or soil discoloration indicated the presence of contamination.
- At both ends of each tank.

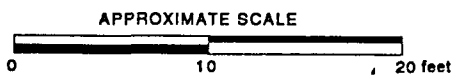
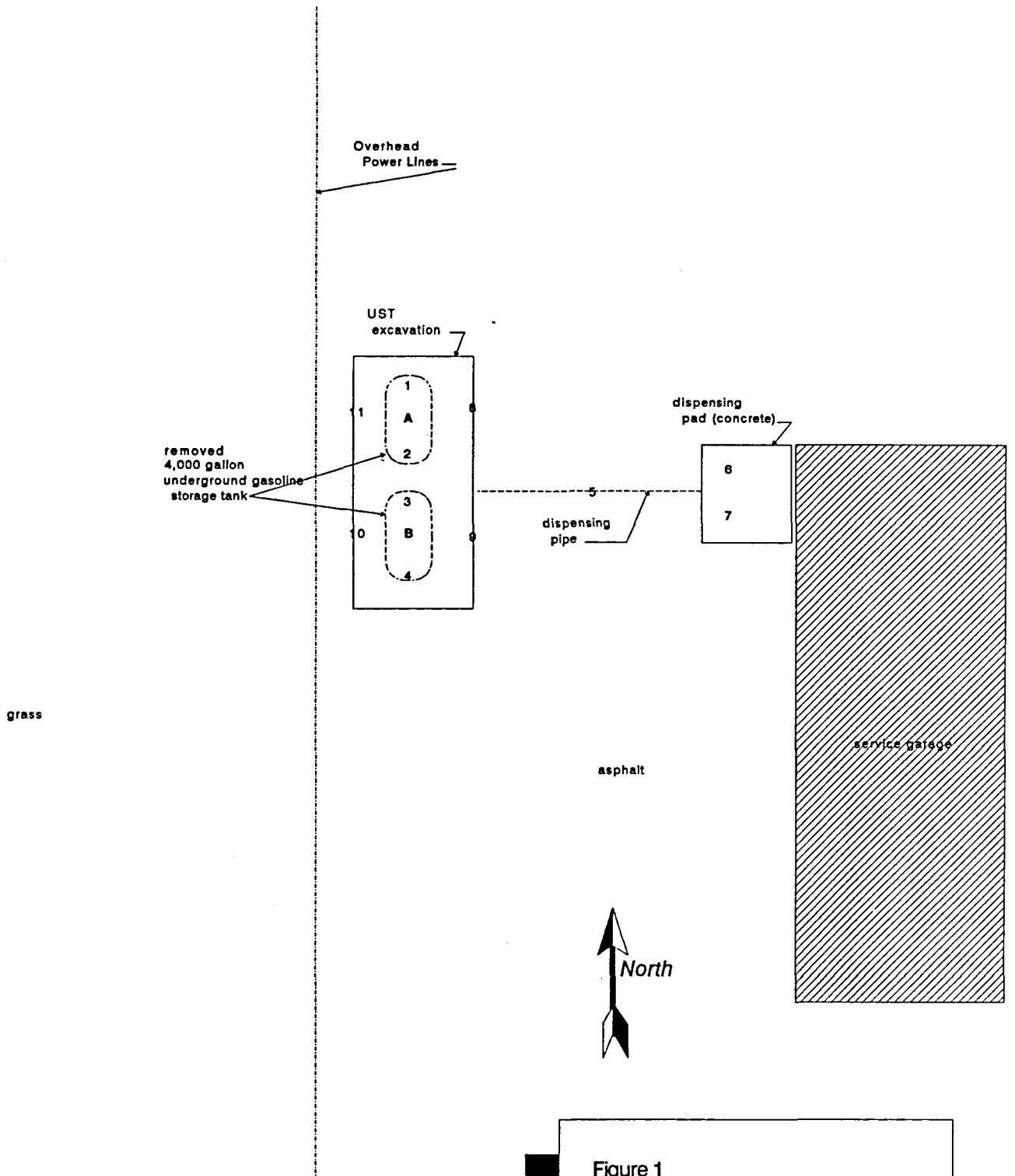


Figure 1

SITE/SAMPLE LOCATION MAP

EWALD CHEVROLET-BUICK-GEO

36833 E. Wisconsin Avenue  
Oconomowoc, Wisconsin

- Underneath each island on the supply side where applicable.
- Every 20 feet along piping runs.

Soil samples were screened with an HNU Photoionization Detector (PID) utilizing an 11.7 electron volt (eV) lamp. The five (5) soil samples with the "highest" levels detected on the PID and best represented the required sample locations, were submitted with a Chain-of-Custody document (see Appendix A) to the CBC Environmental Services laboratory and tested for total petroleum hydrocarbons (TPH).

A review of the laboratory reports (see Appendix B) has revealed that one of the five samples exceeded the 10 parts per million guidelines established by the Wisconsin Department of Natural Resources (WDNR) for TPH concentration. The area of impact is located on the south end of Tank B (#4).

On September 7, 1990, Mr. Jeff Fischer of the Wisconsin Department of Natural Resources was contacted and informed of the release. A letter from Mr. Fischer will be sent to the Ewald dealership outlining the responsibilities of the tank owner and/or operator.

Based on the data provided, the following recommendations are presented.

1. Excavate the impacted area and transport to the nearest approved landfill.
2. Collect soil samples from the re-excavated area and analyze for total petroleum hydrocarbons to verify the removal of impacted soil.

3. Prepare a report documenting the removal of the soil and discussing the laboratory results.
4. Submit the report to the WDNR (Mr. Jeff Fischer) for proper closure.
5. Contact the Petroleum Environmental Clean-up Fund (PECFA) personnel to verify money available for reimbursement of costs incurred during this project.

V. DISCLAIMER

The site closure assessment conducted at the aforementioned site was intended to provide a general environmental assessment for surficial contamination via a review of available background information and a site inspection. The statements and conclusions in the report are based on our interpretations of data presented. Findings in this report may be invalidated wholly or partially upon the discovery of new information or data pertaining to the site. Chem-Bio Corporation offers no warranty or legal responsibility for the environmental status of the site assessed.

**APPENDIX A**  
**CHAIN-OF-CUSTODY**



**ENVIRONMENTAL SERVICES**

140 E. RYAN RD  
OAK CREEK, WI 53154  
(414) 764-7005  
1-800-365-3840

CLIENT

CBC Remedial

C739

PROJECT LOCATION

A/Q - Ewald - Oconomowoc

QUOTE NUMBER

TEWOCR0192

**CHAIN OF CUSTODY**

No. 31313

PLEASE PRESS  
FIRMLY  
WHEN WRITING

SAMPLER (Signature) <i>T. Wimmer</i>	AFFILIATION CBC - Prag Manag.	DATE 7/20/90	TIME
PURPOSE OF ANALYSIS TPH - Soil			

ITEM NUMBER	NUMBER AND SIZE OF CONTAINERS	DESCRIPTION	TRANSFER NUMBER				
			1	2	3	4	5
1-1	1 x 4oz	Tank A/#2/ND					
2-1		Tank B/#4/200					
3-1		Piping/#5/ND					
4-1		Dispenser/#6/ND					
5-1		Dispenser/#7/ND					
<p>* Results Due August 1, 1990</p> <p>** Route Results to T. Wimmer - Remedial</p>							

TRANSFER NUMBER	ITEM NUMBER	RELINQUISHED BY (Signature)	ACCEPTED BY (Signature)	DATE	TIME
1		<i>T. Wimmer</i>	<i>[Signature]</i>	7/20/90	12:40 pm
2		<i>[Signature]</i>			
3					
4					
5					



**APPENDIX B**  
**LABORATORY REPORTS**



# ENVIRONMENTAL SERVICES

CHEM-BIO CORPORATION  
140 EAST RYAN ROAD OAK CREEK, WI 53154-4599 (414) 764-7005

07/31/90

LABORATORY REPORT

PAGE 1

C739 8452877 W61

TEWOCR0192

CBC REMEDIAL SERVICES INC.  
140 E. RYAN ROAD  
OAK CREEK ,WI 53154  
ATTN: TIM WIMMER

SAMPLE 90201-C11523 SOIL/TANK A/#2/ND  
A-Q-EWALD OCONOMOWOC  
DATE COLLECTED 07/20/90 DATE RECEIVED 07/20/90

TEST NAME	RESULT	UNITS
TOTAL PETROLEUM HYDROCARBONS	<4.0	PPM

PLEASE CONTACT CLIENT SERVICES WITH ANY QUESTIONS. WATER SAMPLES ARE DISPOSED OF 30 DAYS AFTER RECEIPT ; NON-WATER SAMPLES WILL BE RETURNED 6 WEEKS AFTER RECEIPT.

IL EPA CERTIFICATION # 100243; AIHA ACCREDITED.

N/T = NOT TESTED

N/A = NOT APPLICABLE

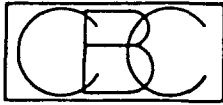
WI DNR LAB CERTIFICATION #241283020

APPROVAL M.J.H.

FAX #414-764-0486

CLIENT SERVICES DIRECT LINE 414-768-7460

1-800-365-3840



# ENVIRONMENTAL SERVICES

CHEM-BIO CORPORATION  
140 EAST RYAN ROAD OAK CREEK, WI 53154-4599 (414) 764-7005

08/13/90

LABORATORY REPORT

PAGE 1

C739 8452877 W61

CBC REMEDIAL SERVICES INC.  
140 E. RYAN ROAD  
OAK CREEK ,WI 53154  
ATTN: TIM WIMMER

TEWOCR0192

SAMPLE 90201-C11524 SOIL/TANK B/#4/200  
A-Q-EWALD OCONOMOWOC  
DATE COLLECTED 07/20/90 DATE RECEIVED 07/20/90

TEST NAME RESULT UNITS

TOTAL PETROLEUM HYDROCARBONS

PPM

BASED ON SIMILARITIES TO BOTH STANDARDS.  
CONCENTRATIONS MAY BE HIGH DUE TO OVERLAPPING  
PEAKS.

1300 PPM DIESEL  
690 PPM GASOLINE

PLEASE CONTACT CLIENT SERVICES WITH ANY QUESTIONS. WATER SAMPLES ARE DISPOSED OF 30 DAYS AFTER RECEIPT ; NON-WATER SAMPLES WILL BE RETURNED 6 WEEKS AFTER RECEIPT. N/T = NOT TESTED, N/A = NOT APPLICABLE,  
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IL EPA CERTIFICATION # 100243; AIHA ACCREDITED.

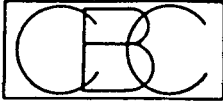
APPROVAL WRS

WI DNR LAB CERTIFICATION #241283020

FAX #414-764-0486

CLIENT SERVICES DIRECT LINE 414-768-7460

1-800-365-3840



# ENVIRONMENTAL SERVICES

CHEM-BIO CORPORATION  
140 EAST RYAN ROAD OAK CREEK, WI 53154-4599 (414) 764-7005

07/31/90

LABORATORY REPORT

PAGE 1

C739 8452877 W61

TEWOCR0192

CBC REMEDIAL SERVICES INC.  
140 E. RYAN ROAD  
OAK CREEK ,WI 53154  
ATTN: TIM WIMMER

SAMPLE 90201-C11525 SOIL/PIPING/#5/ND  
A-Q-EWALD OCONOMOWOC  
DATE COLLECTED 07/20/90 DATE RECEIVED 07/20/90

TEST NAME	RESULT	UNITS
TOTAL PETROLEUM HYDROCARBONS	<4.0	PPM

PLEASE CONTACT CLIENT SERVICES WITH ANY QUESTIONS. WATER SAMPLES ARE DISPOSED OF 30 DAYS AFTER RECEIPT ; NON-WATER SAMPLES WILL BE RETURNED 6 WEEKS AFTER RECEIPT.

IL EPA CERTIFICATION # 100243; AIHA ACCREDITED.

N/T = NOT TESTED

N/A = NOT APPLICABLE

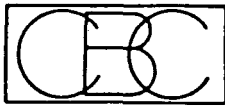
WI DNR LAB CERTIFICATION #241283020

APPROVAL M.J.W.

FAX #414-764-0486

CLIENT SERVICES DIRECT LINE 414-768-7460

1-800-365-3840



# ENVIRONMENTAL SERVICES

CHEM-BIO CORPORATION

140 EAST RYAN ROAD OAK CREEK, WI 53154-4599 (414) 764-7005

08/01/90

LABORATORY REPORT

PAGE 1

C739 8452877 W61

CBC REMEDIAL SERVICES INC.  
140 E. RYAN ROAD  
OAK CREEK ,WI 53154  
ATTN: TIM WIMMER

TEWOCR0192

SAMPLE 90201-C11527 SOIL/DISPENSER/#6/ND  
A-Q-EWALD OCONOMOWOC  
DATE COLLECTED 07/20/90 DATE RECEIVED 07/20/90

TEST NAME	RESULT	UNITS
TOTAL PETROLEUM HYDROCARBONS	<4.0	PPM

PLEASE CONTACT CLIENT SERVICES WITH ANY QUESTIONS. WATER SAMPLES ARE DISPOSED OF 30 DAYS AFTER RECEIPT ; NON-WATER SAMPLES WILL BE RETURNED 6 WEEKS AFTER RECEIPT. N/T = NOT TESTED, N/A = NOT APPLICABLE,  
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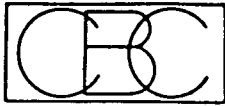
APPROVAL M.J.H.

WI DNR LAB CERTIFICATION #241283020

CLIENT SERVICES DIRECT LINE 414-768-7460

FAX #414-764-0486

1-800-365-3840



# ENVIRONMENTAL SERVICES

CHEM-BIO CORPORATION

140 EAST RYAN ROAD OAK CREEK, WI 53154-4599 (414) 764-7005

08/01/90

LABORATORY REPORT

PAGE 1

C739 8452877 W61

CBC REMEDIAL SERVICES INC.  
140 E. RYAN ROAD  
OAK CREEK ,WI 53154  
ATTN: TIM WIMMER

TEWOCR0192

SAMPLE 90201-C11528 SOIL/DISPENSER/#7/ND  
A-Q-EWALD OCONOMOWOC  
DATE COLLECTED 07/20/90 DATE RECEIVED 07/20/90

TEST NAME	RESULT	UNITS
TOTAL PETROLEUM HYDROCARBONS	4.3	PPM
	GASOLINE	

PLEASE CONTACT CLIENT SERVICES WITH ANY QUESTIONS. WATER SAMPLES ARE DISPOSED OF 30 DAYS AFTER RECEIPT ; NON-WATER SAMPLES WILL BE RETURNED 6 WEEKS AFTER RECEIPT. N/T = NOT TESTED, N/A = NOT APPLICABLE,  
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IL EPA CERTIFICATION # 100243; AIHA ACCREDITED.

APPROVAL M.T.W.

Tim CBC

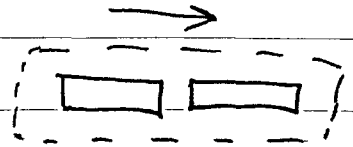
called it in 9-7-90

NAME: EWALD chev. Buick Geo

36833 E. Wisconsin Ave Oconomowoc  
WI 53066

contact: Bryan EWALD

2 TANKS Pulled 4,000 gal steel  
Problem SOUTH END EXC.



→ unleaded?

NO ground water

0-7 SAND & COBLES

7-10 Reddish Brown f-m sand & gravel

— TPH 690 SOUTH END —