HAZARDOUS WASTE

Number

7/004962

DAte 1986-1990

F05

MUFFLER CLINIC

NOTICE: Read the reverse first to see if you are required to complete this form. (complete form in ink or 4. NAME AND PHOUS MUNSER 515-233-44660 Estimate dates and cu . COMPLETE ONL DATE OF DUAN T N N 0 0 \square FEE DUE DEPARTMENT AND M THIS SIGNED FORM TO THE ADDRESS SHOWN AT THE TOP OF THE PASSENTATIVE DATE SIS GARY THOMPSON K8101 (S)() C8 01 MONTH YR RUNS OUT WITH PRESENT TO PUT GASCLINE BACK INTO SERVICE LUMBY HAZARDOUS SUBSTANCE NAME AND/OR CYEM/CAL ABSTRACT SERVICE(CAS) Complete the following sections for each tank located at the address shown in item 1 to the best of your knowledge. CANN-SOVT | FED SOVT | OTHER GOVT NINCEDIAN SUBSTANCE TVP 3. ADDRESS AND PHONE MUMBER WE HOPE IOWA DEPARTMENT OF WATER, AIR AND WASTE MANAGEMENT BIXWATUREN OF HOMBSON GARY THEMPSON OIL CO BOX 167 900 East Grand, Des Moines, 1A 50319 ATTENTION: TANKS (SPECIFY) LEASE Town Soul NOTIFICATION FOR UNCENCROUND STORAGE TANKS PECMPZH AMES, (SPECIFY) ロペトトリロ シペーエのローリ · INT, PROTEC, 9-EXT mat ! On 7. CERTIFICATION
I certify under penalty of law that I have personally examined and am familiar with the beformation submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is rather than leave blank. Instructions are on the reverse of this form. 2. PACILITY WHENE TANK IS LOCATED TOUL CONTRACTOR AND THE CONTRACT AMES, IOWA 50010 (^aTotal number of tanks reported X \$5.00 -EEE ED FOI OB EEE P.MATERIAL OF CONSTRUCTION Box (67) PIPING T (SPECIAL STATES) TANK 50010 D. STREET ADDRESS, CITY, STATE, ZIP CODE RANGE 华下区記し Ä CAPACI TY 5 000 ŧ 8 5.000 WAWW form 148 (Sept 85) AMES SECTION | SG STATUS DATE TONK OUT I, INSTALLED ţ MONTH TANK LOCATION IZS S DUFF A.GTR SECTION 002 F 202 6. TOTAL N PAGE N

MUFFLER CLINIC

<u>ာ</u>

IOWA DEPARTMENT OF WATER, AIR AND WASTE MANAGEMENT 900 East Grand, Des Moines, IA 50319 ATTENTION: TANKS NOTIFICATION FOR UNCERTOROUND STORAGE TANKS

LAST USE BUANITTY WITH INERT Š . COMPLETE ONLY FOR TANKS OUT OF USE 4. NAME AND PHOLE NUMBER FEE DUE DUE CHECK OR MONEY ORDER PAYABLE TO THE DEPARTMENT AND MAIL WITH Estimate dates and quantities ad the reverse first to see if you are required to complete this form. (complete form in ink or type) YES NAME AND OFFICIAL TITLE OF OWNER OF AUTHORIZED REPRESENTATIVE 0 515-233-6660 GARY THOMPSON (S) (Q) 10 C (S) (2) MONTH YR を成成 WE HOPE TO PUT GASCINE BACK INTO SERVICE WHEN MAZARDOUS SUBSTANCE NAME AND/OR CTRN/CAL ASSTRACT SERVICE (CAS) RENS COI COLLA owing sections for each tank located at the address shown in item 1 to the best of your knowledge. Nactorio | CANON-GOVT | FED GOVT | OTHER GOVT SUBSTANCE TYPE 3. CONTRES AND PHONE HUMBER
GARY THEMPSON OLL CO
BOX (67 B. Syphistore / Of Hompson SPECIFY. Lound Serio LEASE MECHNIZM AMES, (SPECT FY) PROTEC · INT PROTEC, G.EXT 7, CERTIFICATION
of law that I have personally examined and am famillar with the Majormation
il attached documents, and that based on my inquiry of those individuals
for obtaining the information, I believe that the submitted information is Instructions are on the reverse of this form. 2. BUSINESS MAILING ADDRESS OF 2. PACILITY WHERE TANK IS LOCATED COTHE SPECT IOWA 50010 (}) I number of tanks reported X \$5.00 -MATERIAL OF CONSTRUCTION Box 167 PIPING AMES. (SPECIFY) TAMKE 50010 TY, STATE, ZIP CODE RANGE LKL 의느저희기 000 Ė 200 5,000 blank. 765 <u>z</u>

ept 85)

DATE SIGNED



Earl McClure Environmental Audit & Compliance 812 Ashworth Road West Des Moines, IA 50265 515-226-9263 Report Date: 7/28/90

Collected: 7/19/90 7:00 AM

Collector: Earl McClure

Work Order: 9007.066 Sample No: 903516

Date Received: 7/23/90

Location: Thompson Oil, Ames, IA

Description: #1
Sample Matrix: soil

Comments: Lot #70365

Total Extractable Hydrocarbons are extracted by SW-846 Method 3510 for water matrices and SW-846 Method 3550 for soil matrices.

Date Analyzed: 7/25/90

<u>PARAMETER</u>	RESULT	QUANT LIMIT	METHOD
Benzene	<1 ug/g	1 ug/g	SW-846 8015
Toluene	<1 ug/g	1 ug/g	SW-846 8015
Total Xylenes	<1 ug/g	1 ug/g	SW-846 8015
Total Petroleum Hydrocarbons	<5 ug/g	5 ug/g	SW-846 8015

Analyst: JNK

Keystone Laboratories, Inc.

Jeffrey W. King, Ph.D.



Earl McClure Environmental Audit & Compliance 812 Ashworth Road West Des Moines, IA 50265 515-226-9263

Report Date: 7/28/90

Collected: 7/19/90 8:00 AM

Collector: Earl McClure

Work Order: 9007.066 Sample No: 903517

Date Received: 7/23/90

Location: Thompson Oil, Ames, IA Description: #2

Sample Matrix: soil

Comments: Lot #70265

Total Extractable Hydrocarbons are extracted by SW-846 Method 3510 for water matrices and SW-846 Method 3550 for soil matrices.

Date Analyzed: 7/25/90

<u>PARAMETER</u>	RESULT	OUANT LIMIT	<u>METHOD</u>
Benzene	<1 ug/g	1 ug/g	SW-846 8015
Toluene	<1 ug/g	1 ug/g	SW-846 8015
Total Xylenes	<1 ug/g	1 ug/g	SW-846 8015
Total Petroleum Hydrocarbons	<5 ug/g	5 ug/g	SW-846 8015

Analyst: JNK

Keystone Laboratories, Inc.

Jeffrey N. King, Ph.D.



Earl McClure Environmental Audit & Compliance 812 Ashworth Road West Des Moines, IA 50265 515-226-9263

Report Date: 7/28/90

Collected: 7/19/90 7:30 AM

Collector: Earl McClure

Work Order: 9007.066 Sample No: 903518

Date Received: 7/23/90

Location: Thompson Oil, Ames, IA Description: #3 Sample Matrix: soil

Comments: Lot #70265

Total Extractable Hydrocarbons are extracted by SW-846 Method 351? for water matrices and SW-846 Method 3550 for soil matrices.

Date Analyzed: 7/25/90

PARAMETER	RESULT	OUANT LIMIT	<u>METHOD</u>
Benzene	<1 ug/g	1 ug/g	SW-846 8015
Toluene	<1 ug/g	1 ug/g	SW-846 8015
Total Xylenes	<1 ug/g	1 ug/g	SW-846 8015
Total Petroleum Hydrocarbons	<5 ug/g	5 ug/g	SW-846 8015

Analyst: JNK

Keystone Laboratories, Inc.

Jeffrey N. King, Ph.D.



Earl McClure Environmental Audit & Compliance 812 Ashworth Road West Des Moines, IA 50265 515-226-9263

Report Date: 7/28/90

Collected: 7/19/90 9:00 AM

Collector: Earl McClure

Work Order: 9007.066 Sample No: 903519

Date Received: 7/23/90

Location: Thompson Oil, Ames, IA Description: #4 Sample Matrix: soil

Comments: Lot #70265

Total Extractable Hydrocarbons are extracted by SW-846 Method 3510 for water matrices and SW-846 Method 5550 for soil matrices.

Date Analyzed: 7/25/90

<u>PARAMETER</u>	RESULT	QUANT LIMIT	<u>METHOD</u>		
Benzene	<1 ug/g	1 ug/g	SW-846 8015		
Toluene	<1 ug/g	1 ug/g	SW-846 8015		
Total Xylenes	<1 ug/g	1 ug/g	SW-846 8015		
Total Petroleum Hydrocarbons	<5 ug/g	5 ug/g	SW-846 8015		

Analyst: JNK

Keystone Laboratories, Inc.



Earl McClure Environmental Audit & Compliance 812 Ashworth Road West Des Moines, IA 50265 515-226-9263

Report Date: 7/28/90

Collected: 7/19/90 9:30 AM

Collector: Earl McClure

Work Order: 9007.066 Sample No: 903520

Date Received: 7/23/90

Location: Thompson Oil, Ames, IA Description: #5 Sample Matrix: soil

Comments: Lot #70265

Total Extractable Hydrocarbons are extracted by SW-846 Method 3510 for water matrices and SW-846 Method 3550 for soil matrices.

Date Analyzed: 7/25/90

<u>PARAMETER</u>	RESULT	OUANT LIMIT	<u>METHOD</u>	
Benzene	<1 ug/g	1 ug/g	SW-846 8015	
Toluene	<1 ug/g	1 ug/g	SW-846 8015	
Total Xylenes	<1 ug/g	1 ug/g	SW-846 8015	
Total Petroleum Hydrocarbons	<5 ug/g	5 ug/g	SW-846 8015	

Analyst: JNK

Keystone Laboratories, Inc.

Jeffrey N. King, Ph.D.



Earl McClure Environmental Audit & Compliance 812 Ashworth Road West Des Moines, IA 50265 515-226-9263

Report Date: 7/28/90

Collected: 7/19/90 9:30 AM

Collector: Earl McClure

Work Order: 9007.066 Sample No: 903521

Date Received: 7/23/90

Location: Thompson Oil, Ames, IA Description: #6 Sample Matrix: soil

Comments: Lot #70265

Total Extractable Hydrocarbons are extracted by SW-846 Method 3510 for water matrices and SW-846 Method 3550 for soil matrices.

Date Analyzed: 7/25/90

PARAMETER	RESULT	QUANT LIMIT	<u>METHOD</u>
Benzene	<1 ug/g	1 ug/g	SW-846 8015
Toluene	<1 ug/g	1 ug/g	SW-846 8015
Total Xylenes	<1 ug/g	1 ug/g	SW-846 8015
Total Petroleum Hydrocarbons	<5 ug/g	5 ug/g	SW-846 8015

Analyst: JNK

Keystone Laboratories, Inc.

Jeffrey N. King, Ph.D.

CHAIN OF CUSTODY RECORD ENVIRONMENTAL PROTECTION AGENCY REGION YN

wo#9007.066

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STATE OF IOWA 1990 RENEWAL APPLICATION FOR UNDERGROUND STORAGE TANK TAGE . DUE BY JANUARY 15, 1990

8604962

GARY THOMPSON OIL CO BOX 167 AMES, IA 50010 0000

FOR 3 TANKS OVER 1,100 GALLONS ONLY @ \$ 65 ANNUAL TAGS WILL BE ISSUED AT A FEE OF \$ 65 PER TANK TOTAL FEE DUE

MAGIC MUFFLER
LOCATION: 128 S DUFF
AMES, IA

IF ANY OF THE NAME AND ADDRESS
INFORMATION IS INCORRECT, PLEASE
SHOW THE CORRECTION BELOW:

THE ABOVE IS CORRECT, EXCEPT AS NOTED.

SIGNATURE OF THE APPLICANT

RETURN THIS FORM AND YOUR CHECK OR MONEY ORDER BY JANUARY 15, 1990 TO:

IICENSE HUREAU
IOWA DEPARIMENT OF NATURAL RESOURCES
WALLACE STATE OFFICE HUILDING
DES MOINES, IOWA 50319-0034
(515) 281-5972

PATILIZE TO RETURN THIS FORM WITH YOUR PAYMENT WILL RESULT IN UNNECESSARY DELAY AND/OR FAILURE IN PROCESSING YOUR RENEWAL APPLICATION.

#542-1305

AMES STATION STATE OF

Date of Kemoval 12/15/88/0-23/24-89

TERRY E. BRANSTAD, GOVERNOR

DEPARTMENT OF NATURAL RESOURCES LARRY J. WILSON, DIRECTOR

10: Jary - Thompson Cit Co. 167. 123 W. 6th 50010

Date: 9-10-89

In accordance with Chapter 135 of the Iowa Administrative Code (IAC), certain procedures must be followed when an underground storage tank system is permanently taken out-of-service. There are two (2) ways of permanently taking a tank out-of-service both of which involve an assessment of the environment to determine residual contamination. One way is to abandon the tank system in place filling the tank with a flowable inert material acceptable to the department or, removal of the tank system from the ground. Note that regardless of the closure method chosen, the underground tank owner must notify this department in writing of permanent tank closure or a change-in-service* of the tank at least thirty (30) days prior to closure or service change. A summary of these procedures is discussed below. The following articles may be used as a reference to further assist the owners in the closure process:

- American Petroleum Institute Recommended Practice 1604, "Removal and Disposal of Used Underground Fetroleum Storage Tanks;"
- American Petroleum Institute Publication 2015, "Cleaning Petroleum Storage Tanks;"
- American Petroleum Institute Recommended Practice 1631, "Interior Lining of Underground Storage Tanks;" and
- The National Institute for Occupational Safety and Health "Criteria d. for a Recommended Standard... Working in a Confined Space" may be used as guidance for conducting safe closure procedures at some hazardous substance tanks.

If any or all of these publications are desired, contact The American Petroleum Institute, 1220 L Street NW, Washington, D.C. 20005 or The National Institute for Occupational Safety and Health, 4276 Columbia Parkway, Cincinnati, Ohio 45226 ATTN: Pablications Department.

Note, however, that if the undarground storage tank system was maintaining sniffer wells and/or ground water monitoring wells as the leak detection system up until the time of tank closure and such a leak detection system was operating and had not yet detected a leak, an environmental assessment to determine contamination residual is not required. Thirty (30) day notification prior to tank closure is still required however and shall be accompanied by a signed statement from the tank owner maintaining that the sniffer wells and/or ground water monitoring wells around the tank system had not detected a leak.

lowa State University
Research Park
2501 N. Loop Drive
Ames, lowa 50010-8283
(515) 296-9913

A M E S Registration No. __

8604962

TEST CERTIFICATION

Spectrochrom, Ltd. has tested the twelve soil samples submitted by the Environmental Audit and Compliance Group for their client Thompson Oil. The soil samples were found to have less than the advisory level of benzene, toluene and xylene. EPA guidelines were followed and good laboratory practice was observed as defined by federal guidelines.

Spectrochrom, Ltd.
Iowa State University
Research Park
2501 North Loop Drive
Ames, Iowa 50010-8283
(515) 296-9913
FAX (515) 296-9910

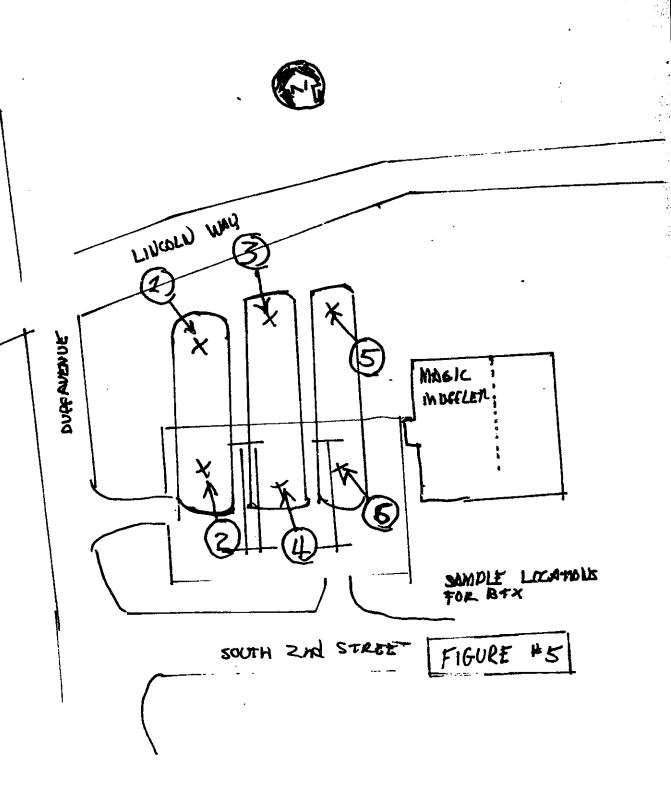
Authorized Signature

Jahanary S 1590

Date

fn: SPCTSCER

eac



ANALYSIS:

Sample Benzene Toluene Xylene
Thompson Oil Company NDA NDA NDA NDA UST's in Ames, Iowa

Registration No. 8604962 Sample #1 (regular gas)

ANALYSIS:

Sample Benzene Toluene Xylene
Thompson Oil Company 90 ppb NDA NDA
UST's in Ames, Iowa

Registration No. 8604962 Sample #2 (regular gas)

ANALYSIS:

Sample	<u>Benzene</u>	<u>Toluene</u>	<u>Xylene</u>
Thompson Oil Company UST's in Ames, Iowa	62.5 ppb	NDA	NDA

Registration No. 8604962 Sample #3 (regular gas)

ANALYSIS:

Sample Benzene Toluene Xylene
Thompson Oil Company 90 ppb NDA NDA UST's in Ames, Iowa

Registration No. 8604962 Sample #4 (regular gas)

ANALYSIS:

Sample

Benzene

Toluene

Xylene

Thompson Oil Company
UST's in Ames, Iowa

Registration No. 8604962
Sample #5 (unleaded gas)

ANALYSIS:

Sample

Thompson Oil Company
UST's in Ames, Iowa

Registration No. 8604962
Sample #6 (unleaded gas)

Iowa State University Research Park 2501 N. Loop Drive Ames, Iowa 50010-8263 (515) 296-9913

November 8, 1989

TOTAL PETROLEUM HYDROCARBON RESULTS

ANALYSIS:

Sample

Thompson Oil Co. (Reg. gas) Ames, IA Total Petroleum Hydrocarbons

less than 70 ppm

Earl Mellure Earl Malling Lab
Know
apologinge
promise to call your back
immediately
OK-will wait

5/30/90- Earl McClure

returning Call- spoke w! lab

wanto to profesoionally + competently

lab requested FAX #

spoke w! Duane Meallester

seed of lab- users will be sending

- us a FAX -

las indicate methodology?

asked them if instruction were sollowed - will determine after FAX received

OK-will wait for it

7/31/90-Earl ? just done - repolt_is coming)

IOWA DEPARTMENT OF NATURAL RESOURCES RECORD OF TELEPHONE CONVERSATION

DATE	TIME	[] INITIATED	FILE NO.		cing .
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COURTER TO THE TRUE OF NATURAL RESOURCES RECORD OF TELEPHONE CONVERSATION

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April 13, 1990

Ms. Lesley Campbell
Environmental Specialist
Iowa Department of Natural Resources
Underground Storage Tank Section
Wallace State Office Building
Des Moines, Ia. 50319-0034

Re: Thompson Oil Closure Programs for Ames, & Boone, Iowa.

Dear Ms. Campbell:

I am in the process of having the remaining tests for Total Petroleum Hydrocarbons completed and sent to your office, and we've been told they will be available by Friday, April 20th, 1990.

In answer to your questions regarding testing procedures, I shall summarize the information that I gave both to the laboratory and Thompson Oil prior to the start of the project.

At both sites all samples collected from the test areas were analyzed for Total Petroleum Hydrocarbons (TPH) and benzene, toluene and total xylenes (BTX). The TPH samples were conducted to detect petroleum based products which might exist in the soil. The BTX constituents, common volatile organics associated with gasoline, diesel, and solvent contamination, thus the presence of any or all of these constituents in the subsurface would suggest the occurrence of oil, fuel or solvent release into the environment.

Laboratory Analyses -- Laboratory tests were to be conducted for total extractible Hydrocarbons and benzene, toluene, and xylene. Following approved Department of Natural Resources (DNR) procedures, Chapter 135- Technical Standards and Corrective Action Requirements for Owners and Operators of Underground Storage Tanks for the State of Iowa.

For all regular and unleaded gasoline tanks, the laboratory was told to us the Purge and Trap method EPA #5030. Analysis to follow is Sample Prep Method EPA 3020. For Diesel tanks (we performed a diesel tank test also) and fuel oil tanks the tests reviewed with the laboratory was the Extraction Sampling method following Sample Prep Method EPA #3550. The alternate Prep Method was #3540. Analysis to follow was Sample Prep method #8100.

Sincerely,

Environmental Audit & Compliance Group, Inc.

Farl McClure

cc: Gary/Rick Thompson

812 Ashworth Road West Des Moines Iowa 50265 Bus: (515) 226-9383 FAX: (515) 226-9263

1/30/90 - Bick Mompson - 232.6666

I back with lab

soil-suds to be report
1) sutrodlogy - by sample
2) BTX - sud TH for each sample
seed additional -

3130190 - Rick T. Ilm - may require resampting
H19190 - Rick T - returned call

sporse wheat Earl mellar - Env. audit was xo
have called.

no no correspondance
thad no TH as for site nox per sample
composite per site - nox acceptable!

4/10/90 - RickT Earl mollar was to be here at 8:30 Spectrochrom- has been paid did further. Year + have not been paid by Call 14 you each site is coming) - sto done about



May 22, 1990

Ms. Lesley Campbell
Iowa Department of Natural Resources
Underground Storage Tank Section
Wallace State Office Building
900 East Grand Avenue
5th Floor- Tank Section
Des Moines, Ia. 50319-0034

Re: Thompson Oil Closure Program for Ames, & Boone, Iowa.

Dear Ms. Campbell:

First, of all I apologize for any inconvenience, I may have caused you in completing the tank closure program for Thompson Oil, Company, Ames, Iowa.

Originally, when the project was first started, the laboratory I was working with, misunderstood my directions and sent back test results for both sites with individual BTX results and a composite test result for the TPH, which, I'm well aware of, are not accepted by the IDNR.

At the time of excavation at both sites, I called the fire marshalls of Boone and Ames, to supervise the procedures. Both accepted and were on the sites. Also both observed my testing procedures and reviewed the sites for contamination. None was detected.

Additional test samples were collected for the TPH, on May 8, 1990, and I personally delivered the samples to the laboratory. All samples were collected in glass vials, with teflon lids, labeled and packed in ice and delivered to the laboratory, within 24 hours.

The specific instructions I gave the laboratory for analysis is as follows:

Laboratory Analysis — Laboratory tests are to be conducted for total extractible hydrocarbons and benzene, toluene, and xylene. Following approved Iowa Department of Natural Resources (IDNR) procedures, Chapter 135 — Technical Standards and Corrective Action Requirements for Owners and Operators of Underground Storage Tanks for the State of Iowa.

For all regular and unleaded gasoline tanks, the laboratory was told, as I mentioned in my earlier letter on April 13, 1990, to use the Purge and

50**3**0 8020

Trap method EPA #5030. Analysis to follow is Sample Prep Method EPA \$020. For Diesel tanks (we performed a diesel tank test also) and fuel oil tanks, the tests reviewed with the laboratory was the Extraction Sampling method following Sample Prep Method EPA #3550. The alternate Prep Method was #3540. Analysis to follow was Sample Prep Method #8100.

In my consulting work on behalf of Underground Storage Tank owners in Kansas and Missouri, the procedures are somewhat different, in that either the local Fire Marshall or a representative of the state actually take the samples and submit them for laboratory analysis. Therefore I was not fully familiar with the laboratories here in Iowa and believe this is where the communication breakdown originally took place.

If you have any further questions please feel free to contact me.

Sincerely,

ENVIRONMENTAL AUDIT & COMPLIANCE GROUP, INC.

Earl McClure

ENCL

EM/mc

cc: Gary Thompson

RAINBOW ENVIROCHEM INC 9903 PFLUMM ROAD LENEXA KS 66215-1222 (913) 894-1616 FAX (913) 894-1888

LABORATORY REPORT

ACTIVITY NUMBER 00777-90

DATE RECEIVED 05/08/90

CLIENT E.A.C. DES MOINES

DATE ANALYZED 05/11/90

SAMPLE DESCRIPTION SOIL

SAMPLE ID	PARAMETER	RESULTS
	T.P.H.	<6 mg/kg (ppm)
		<6 mg/kg
algle AMES #3		<6 mg/kg
gio O Galles #2 AMES #3 AMES #4		<6 mg/kg
AMES #5		<6 mg/kg
AMES #6		<6 mg/kg
2 / BOONE #1		<6 mg/kg
BOONE #2		<6 mg/kg
BOONE #2 BOONE #3 BOONE #4		<6 mg/kg
SUO BOONE #4		<6 mg/kg
BOONE #5		<6 mg/kg
BOONE #6		<6 mg/kg

2125/2011 2011/2011 W

RAINBOW ENVIROCHEM INC

ARTHUR L. JENKINS, CHEMIST



July 31, 1990

Ms. Lesley Campbell
Environmental Specialist
Iowa Department of Natural Resources
Underground Storage Tank Section
Wallace State Office Building
Des Moines, Ia. 50319-0034

RE: Thompson Oil Closure Programs for Ames, Iowa and Boone, Iowa.

Dear Ms. Campbell:

You earn respect from your peers with performance. This project has had obstacles placed in front of it, from the standpoint of communications with the laboratories from the beginning. However, since I placed all my trust and work with Keystone Laboratories, Inc., and I thank you for mentioning them, things have gone a lot smoother.

I have included, once again, the test results for the closure sites at Ames, Iowa and Boone, Iowa for Thompson Oil Company of Ames, Iowa.

At both sites all individual samples collected from the test areas were analyzed for Total Petroleum Hydrocarbons (TPH) and benzene, toluene, and total xylenes (BTX).

Laboratory Analyses— Laboratory tests were conducted for total petroleum hydrocarbons (TPH) and benzene, toluene, and total xylenes. Following approved Department of Natural Resources (IDNR), procedures, Chapter 135—Technical Standards and Corrective Action Requirements for Owners and Operators of Underground Storage Tanks for the State of Iowa.

All test results and procedure methods are enclosed with this cover letter.

Sincerely,

ENVIRONMENTAL AUDIN & COMPLIANCE GROUP, INC.

Earl McClure Project Engineer

Enclosures

cc: Gary Thompson/ Rick Thompson

812 Ashworth Road West Des Moines Iowa 50265 Bus: (515) 226-9383 FAX: (515) 226-9263



File Name

RECORD COPY

Senders Initials

me

TERRY E. BRANSTAD, GÖVERNOR

DEPARTMENT OF NATURAL RESOURCES

September 4, 1990

Gary Thompson Oil Company Box 167 Ames, Iowa 50010

SUBJECT: Soil analysis results from underground storage tank removal at 128

S. Duff in Ames, Iowa Registration No. 8604962

Dear Mr. Thompson:

This department has received the soil analysis results pursuant to the permanent closure of three (3) underground storage tanks containing petroleum products located as referenced above. Based upon Keystone Laboratories analyses dated July 28, 1990, no further action is required at this time. We will now update our files to indicate that these underground tanks have been removed from this location.

If you have any questions regarding this matter, please contact me at 515/281-8879.

Sincerely,

Les ley Campbell

ENVIRONMENTAL SPECIALIST II

UNDERGROUND STORAGE TANK SECTION

LC:pla/UST5

cc: Field Office 5

STATE OF IOWA 1990 RENEWAL APPLICATION FOR UNDERGROUND STORAGE TANK TAGS DUE BY JANUARY 15, 1990

8604962

GARY THOMPSON OIL CO BOX 167 AMES, IA 50010 0000

FOR 3 TANKS OVER 1,100 GALLONS ONLY @ \$ 65 ANNUAL TAGS WILL BE ISSUED AT A FEE OF \$ 65 PER TANK \$ 185.00 TOTAL FEE DUE

MAGIC MUFFLER
LOCATION: 128 S DUFF
AMES, IA

IF ANY OF THE NAME AND ADDRESS
INFORMATION IS INCORRECT, PLEASE
SHOW THE CORRECTION BELOW:

SIGNATURE OF THE APPLICANT

THE ABOVE IS CORRECT, EXCEPT AS NOTED.

RETURN THIS FORM AND YOUR CHECK OR MONEY ORDER BY JANUARY 15, 1990 TO:

LICENSE HUREAU

IOWA DEPARIMENT OF NATURAL RESOURCES
WALLACE STATE OFFICE BUILDING
DES MOINES, IOWA 50319-0034

(515) 281-5972

FAILURE TO RETURN THIS FORM WITH YOUR PAYMENT WILL RESULT IN UNNECESSARY DELAY AND/OR FAILURE IN PROCESSING YOUR RENEWAL APPLICATION.

MUTE: Notification of tank closure or a change-in-service must be submitted to the Department at least 30 days prior to the closure activity. Upon receipt of this notification information, the Department will mail detailed closure guidance documents to assist the tank owner in the closure process.

		DATE	.3'	<u> </u>	<u></u>	•
Owner of Tanks or Authorized Representative Owner Name or Name of Authorized Representative CARY THE MESE V CIL	f .					
		Pho	one Numb	er 57-1	332-	6662
City Ames Ican	State	1- 166	Zip C	ode ,	COL	<u>c</u>
Facility Name or Company Site Identifier, as	Applicable					
Street Address and City or State Road, as App No./Day/Yr of Proposed Closure or Service Cha	licable					
. Ho./Day/Yr of Proposed Closure or Service Cha	inge					
. Hethod of Tank Closure (Check Only One) 1) Removal of Tank Assessing Contamination vi	ia Collectin	ng Soil	Samples	for Lab		
2) Removal of Tank Assessing Contamination U. (Note: Ambient Temperature Must Be Greate:	E 7119811 40 1	<u>, </u>				
3) Tank Closure Assessing Contamination Via (Analysis						
41 Abandonment in Place Assessing Contaminat Analysis	ion via Col	lecting	Soil Sa	mples fo	r Lab	·····
7. Name and Address of Contractor Doing Nork, I	f Known		Phone	Kumber 1		
I. Description of Underground Storage Tanks (Control or service change)		ank	ank unde	rgoing o	Tank	Tank
	1 7	lo. 1	MQ. L	110	INO. 4	
Date of Tank Installation (Mo./Yr)		1960	1956	1957	No. 4	
Date of Tank Installation (Mo./Yr) Estimated Total Capacity (Gallons)				1957. 5000		
Estimated Total Capacity (Gallons) Substance(s) Stored Throughout a. P Operating Life c. Tank (Check All That Apply) Gasoline (Including Alcohol	etroleum Diesel Kerosene Blends) Oil			5000		No !
Estimated Total Capacity (Gallons) Substance(s) Stored Throughout a. Properating Life c. Tank (Check All That Apply) Gasoline (Including Alcohol Other, Please b. Mazardous S. Mazardous Substance Stored is other than Petro	etroleum Diesel Kerosene Blends) Oil Specify Nebatance	5 oct [] []	50 (c [] [] [X]	5000		No !
Substance(s) Stored Throughout a. Poperating Life c. Tank (Check All That Apply) Gasoline (Including Alcohol Other, Please b. Mazardous Substance Stored is other than Petro maplete the Following: Please indicate Name of Principal CERCLA Su (Attach Additional Page As Necessar Chemical Abstract Service (etroleum Diesel Kerosene Blends) Oil Specify Nebstance Sleum, sbstance (y) OR	3 cc [] [] []	5000 [] [] [] []	5°C0		No !
Substance(s) Stored Throughout a. Poperating Life c. Tank (Check All That Apply) Gasoline (Including Alcohol Other, Please b. Mazardous Stored is other than Petro caplete the Following: Please indicate Name of Principal CERCLA Su (Attach Additional Page As Necessar Chemical Abstract Service (etroleum Diesel Kerosene Blends) Oil Specify Whatance Hostance OCAS) No. Unknown	5 cc	5000 t 1 t x1 t 1 T 1	5 cc 6		No s

GARY THOMPSON OIL COMPANY

123 W. 6TH STREET . P.O. BOX 167 . PHONE: 232-6666 . AMES, IOWA 50010

8-31-89

KEITH BRIDSON DNR WALLACE STATE OFFICE BLDG DES MOINES IOWA 50319

DEAR MR BRIDSON

ENCLOSED PLEASE END OUR TANK
CLOSURE FORM FOR SITE LOCATED
IN AMES TOWN.

PLEASE ADVISE US OF PROPER
PROCEEDURES SO WE CAN TRY TO
BEGIN CLOSING THIS THICK SITE.
THANK YOU.

SINCERELY, Bary Kompen





lowa State University
Research Park
2501 N. Loop Drive
Ames, lowa 50010-8283
(515) 296-9913

BOONE Registration No. 8604962

TEST CERTIFICATION

Spectrochrom, Ltd. has tested the twelve soil samples submitted by the Environmental Audit and Compliance Group for their client Thompson Oil. The soil samples were found to have less than the advisory level of benzene, toluene and xylene. EPA guidelines were followed and good laboratory practice was observed as defined by federal guidelines.

Spectrochrom, Ltd.
Iowa State University
Research Park
2501 North Loop Drive
Ames, Iowa 50010-8283
(515) 296-9913
FAX (515) 296-9910

Authorized Signature

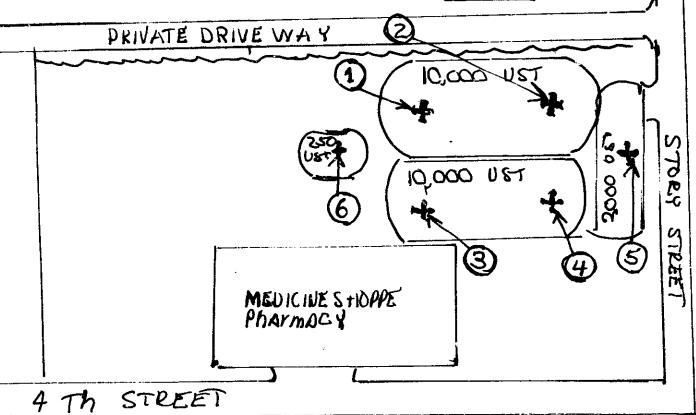
JANUARY 5, 1590

fn: SPCTSCER



BOONE TOWA

TICOTINE



Sample locations on Fonce Line

EAC GROUP

FIGURE # 4 UST LOGATION MAP PLAN VIEW. TROMPSON, OIL AMES, TUWA

ANALYSIS:

Sample	Benzene	<u>Toluene</u>	Xylene
Thompson Oil Company UST's in Boone Iowa	125 ppb	NDA	NDA
Registration No. 8604962			

ANALYSIS:

Sample Benzene Toluene Xylene
Thompson Oil Company 90 ppb NDA NDA
UST's in Boone Iowa

Registration No. 8604962 Sample #2 (unleaded gas)

ANALYSIS:

Sample
Benzene
Toluene
Xylene
Thompson Oil Company
UST's in Boone Iowa
Registration No. 8604962
Sample #3 (regular gas)

ANALYSIS:

<u>Sample</u>	. <u>Benzene</u>	<u>Toluene</u>	<u>Xylene</u>
Thompson Oil Company UST's in Boone Iowa	ll ppb	NDA	NDA
Registration No. 8604962 Sample #4 (regular gas)			

ANALYSIS:

Sample Benzene Toluene Xylene
Thompson Oil Company 60 ppb NDA NDA UST's in Boone Iowa

Registration No. 8604962 Sample #5 (diesel gas)

ANALYSIS:

<u>Sample</u> <u>Benzene</u> <u>Toluene</u> <u>Xylene</u>
Thompson Oil Company 107 ppb NDA NDA UST's in Boone Iowa

Registration No. 8604962 Sample #6 (fuel oil)



lowa State University Research Park 2501 N. Loop Drive Ames, Iowa 50010-8283 (515) 296-9913

November 8, 1989

TOTAL PETROLEUM HYDROCARBON RESULTS

ANALYS1S:

<u>Sample</u>

Thompson Oil Co. 4th & Story Boone, JA Total Petroleum Hydrocarbons

less than 70 ppm