



**GEOTEK ENGINEERING
& TESTING SERVICES, INC.**
909 East 50th Street North
Sioux Falls, South Dakota 57104
605-335-5512 • FAX 605-335-0773

CON: 12-15
Doc # 15828

April 17, 2007

Field Office #2
Iowa Department of Natural Resources
2300 15th Street SW
Mason City, IA 50401

RECEIVED

APR 19 2007

Attn: Cindy Garza

Subj: Groundwater Sampling - Former Bulk Site
Lots 6, 7 & 8 of Marsh View First Subdivision
Ventura, Iowa
GeoTek #06-594-7

**IOWA DNR
FIELD OFFICE 2**

Dear Ms. Garza:

This correspondence provides the results of groundwater sampling completed at the referenced site in March 2007. Previous groundwater sampling results were provided with our March 8, 2007 correspondence.

Groundwater samples were collected from two monitoring wells (MW-1 and MW-2) on March 29, 2007. The locations of the monitoring wells are indicated on Figure 1. Water levels were measured in the monitoring wells prior to development and sampling. The water table in March rose approximately 1.7 feet at MW-1 and 2.0 feet at MW-2 as compared to February 2007. Table 1 includes water level data. Similar to previous months, free product was not present in either monitoring well in March.

The groundwater samples were submitted for analysis of BTEX (OA-1), TEH-diesel (OA-2) and MTBE. IDNR personnel were on site during the March sampling event and samples were split with the IDNR. The laboratory analytical reports are enclosed. The analytical data accumulated to date is included in Table 1. The split sampling results compared relatively well.

The BTEX concentrations in March 2007 are comparable to previous results. Based on the analytical results, TEH-diesel was not present in the wells, similar to previous months. The BTEX concentrations at MW-1 were noted to be the lowest to date. MTBE was not present above laboratory method detection limits, similar to previous results. The next sampling event will be completed in April 2007. Analysis will be limited to BTEX (OA-1) and TEH-diesel (OA-2).

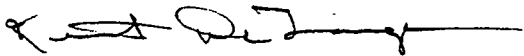
CC: DAN COOK - contaminated sites

OFFICE OF THE ATTORNEY GENERAL
STATE OF IOWA
DES MOINES, IOWA 50319

If there are questions concerning the project site or clarification of any items is needed, please contact our office at 1-800-354-5512 or 605-335-5512.

Sincerely,

Geotek Engineering & Testing Services, Inc.



Keith DeLange
Project Manager

cc: Brad Frein, Hancock Co. Co-op Oil, 245 State Street, Garner, IA 50438

TABLE 1
Groundwater Data
Former Bulk Plant
Ventura, Iowa

Well	Date	Benzene	Toluene	Ethylbenzene	Xylenes	TEH-Gas	TEH-Diesel	GW Elevation
MW-1	6/20/2006	3,340	12,000	2,600	12,100	144,000	<100	90.41
MW-1	7/18/2006	1,190	8,660	1,460	8,350	120,000	<100	88.84
MW-1	8/22/2006	1,950	10,200	1,400	10,600	103,000	30,700	87.57
MW-1	9/20/2006	2,290	9,720	2,200	12,300	234,000	<100	87.04
MW-1	10/19/2006	1,850	9,380	1,660	9,500	187,000	<100	86.66
MW-1	11/16/2006	2,300	10,100	2,210	9,870	290,000	<100	86.31
MW-1	12/7/2006	1,880	8,780	1,280	8,430	271,000	<200	86.42
MW-1	1/26/2007	1,440	5,570	1,590	8,080	215,000	<400	87.99
MW-1	2/20/2007	2,390	9,340	1,900	10,750	282,000	<200	87.66
MW-1	3/29/2007	360	2,140	680	4,160	74,100	<100	89.38
MW-2	6/20/2006	1,342	1,640	2,660	16,400	607,000	122,000	89.57
MW-2	7/18/2006	190	170	830	5,640	114,000	<100	88.01
MW-2	8/22/2006	24	402	698	7,320	58,100	36,000	86.78
MW-2	9/20/2006	<20	819	825	7,980	185,000	<100	86.27
MW-2	10/19/2006	234	887	874	7,190	132,000	<100	85.82
MW-2	11/16/2006	157	917	1020	8,320	21,800	<100	85.46
MW-2	12/7/2006	206	706	599	6,020	95,900	<200	85.59
MW-2	1/26/2007	152	105	340	1,550	24,000	<400	87.15
MW-2	2/20/2007	210	350	490	3,360	53,000	<200	86.71
MW-2	3/29/2007	100	690	490	4,510	34,800	<100	88.74

Notes: BTEX, TEH-Gas & TEH-Diesel concentrations in ug/L (parts per billion [ppb])
Groundwater elevations in feet, referenced to temporary benchmark set at 100 ft.

- TELEPHONE
- UNDERGROUND ELECTRIC
- WATER
- GAS
- SEWER

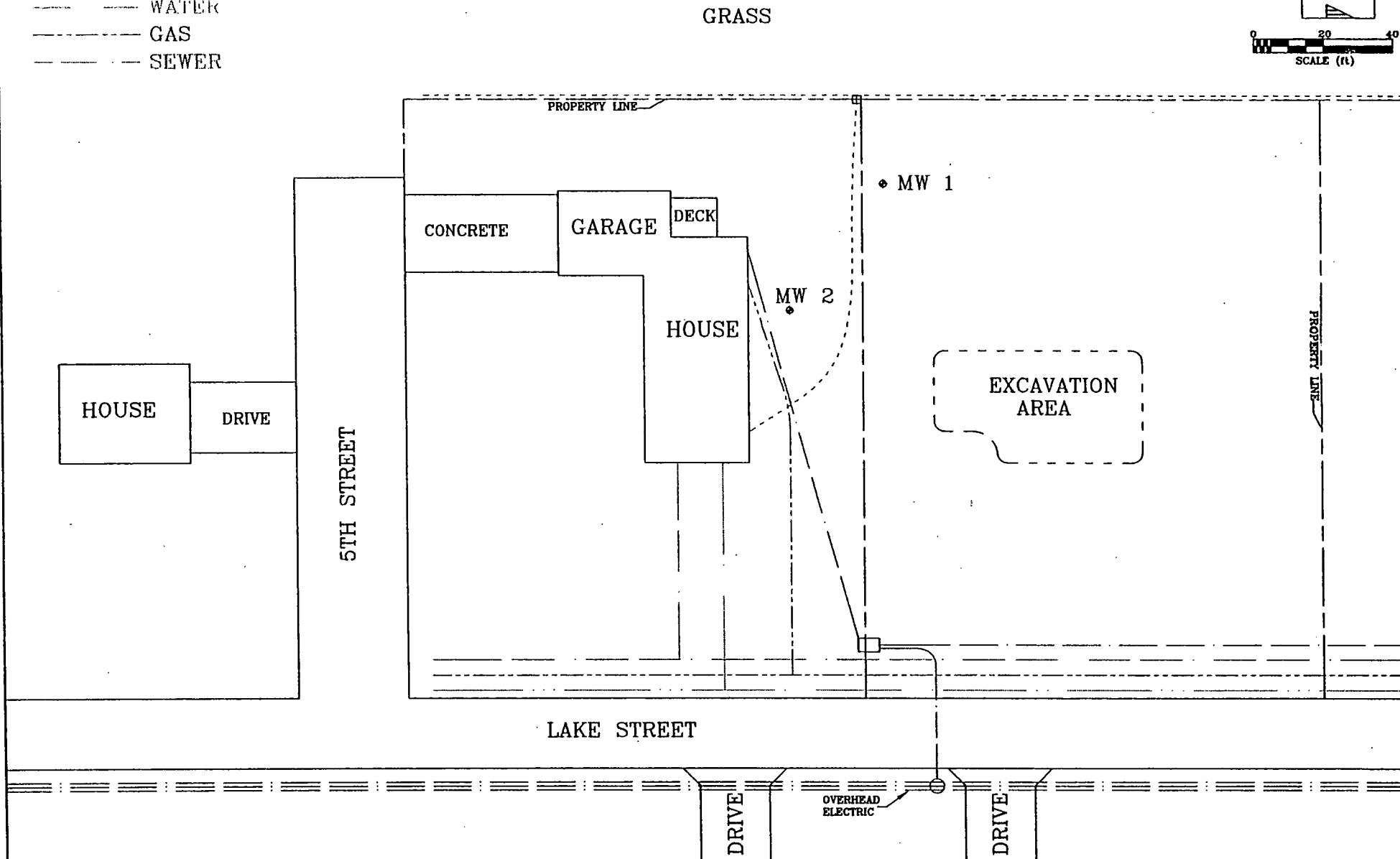
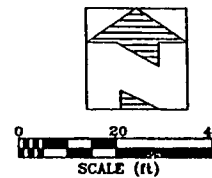


FIGURE 1
SITE MAP
FORMER AST FACILITY
VENTURA, IA

ACAD\GEOTEK\KENTH\06-594-7

PROJECT#: 06-594-7

DRAWN BY: BWE

CHECKED BY:

GEOTEK ENGINEERING &
TESTING SERVICES, INC.



Ref. Lab #: 163643
Report Number
07-101-2117

13611 "B" Street • Omaha, Nebraska 68144-3693 • (402) 334-7770 • FAX (402) 334-9121

www.midwestlabs.com

REPORT OF ANALYSIS

Mail to: GEOTEK ENGINEERING &
TESTING SERVICES INC
909 E 50TH ST N
SIOUX FALLS SD 57104-

For: (6581) GEOTEK ENGINEERING &
(605)335-5512

Date Reported: 04/11/07
Date Received: 04/02/07
Date Sampled: 03/29/07

PO/Proj. #: 06-594
VENTURA
OA1 ANALYSIS

Lab number: 1282191

Analysis	Level Found	Units	Detection Limit	Method	Analyst-Date	Verified-Date
Sample ID: VENTURA MW-1						
pH of preserved BTEX sample	<2	SU	NA	PAPER	sde-04/10	cjh-04/11
n-Hexane	180	µg/L	10	OA-1	sde-04/10	cjh-04/11
Methyl t-Butyl Ether	n.d.	µg/L	10	OA-1	sde-04/10	cjh-04/11
Benzene	360	µg/L	10	OA-1	sde-04/10	cjh-04/11
Toluene	2,140	µg/L	10	OA-1	sde-04/10	cjh-04/11
Ethylbenzene	680	µg/L	10	OA-1	sde-04/10	cjh-04/11
Naphthalene	320	µg/L	10	OA-1	sde-04/10	cjh-04/11
Total Xylenes	4,160	µg/L	10	OA-1	sde-04/10	cjh-04/11
Total Purgeable Hydrocarbons	25,900	µg/L	100	OA-1	sde-04/10	cjh-04/11
Sample ID: VENTURA MW-2						
pH of preserved BTEX sample	<2	SU	NA	PAPER	sde-04/10	cjh-04/11
n-Hexane	170	µg/L	10	OA-1	sde-04/10	cjh-04/11
Methyl t-Butyl Ether	n.d.	µg/L	10	OA-1	sde-04/10	cjh-04/11
Benzene	100	µg/L	10	OA-1	sde-04/10	cjh-04/11
Toluene	690	µg/L	10	OA-1	sde-04/10	cjh-04/11
Ethylbenzene	490	µg/L	10	OA-1	sde-04/10	cjh-04/11



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REPORT OF ANALYSIS

Account: 6581 GEOTEK ENGINEERING &
Report Number: 07-101-2117

Page: 2

Analysis	Level		Detection		Analyst- Date	Verified- Date
	Found	Units	Limit	Method		
Naphthalene	370	µg/L	10	OA-1	sde-04/10	cjh-04/11
Total Xylenes	4,510	µg/L	10	OA-1	sde-04/10	cjh-04/11
Total Purgeable Hydrocarbons	25,640	µg/L	100	OA-1	sde-04/10	cjh-04/11

Notes:

n.d. - Not Detected.

Respectfully Submitted

Heather Ramig/Sue Ann Seitz/Rob Ferris
Prem Arora/Client Services

ORDER NUMBER:
163643



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PAGE NUMBER:
8

ACCOUNT NO: 6581
GEOTEK ENGINEERING &
TESTING SERVICES INC
909 E 50TH ST N
SIOUX FALLS, SD 57104-

SAMPLE DESCRIPTION
OA1 ANALYSIS

COPY TO: *TOM CHAP*

PO NUMBER: *06-594*
VENTURA

Automatic Order Submittal Form

PLACED BY: heather on Sep 28, 2006

SAMPLE ID	DATE/TIME SAMPLED	MX		# CONT	COMMENTS
71 <i>VENTURA</i> <i>MW-1</i>	<i>3/29/07</i>	<i>WA</i>	<i>OA1 + MTBE</i> <i>1282191</i>	<i>2</i>	
72 <i>VENTURA</i> <i>MW-2</i>	<i>3/29/07</i>	<i>WA</i>	<i>OA1 + MTBE</i> <i>1282192</i>	<i>2</i>	
73					
74					
75					
76					
77					
78					
79					
80					

RECEIVED

APR - 2 2007

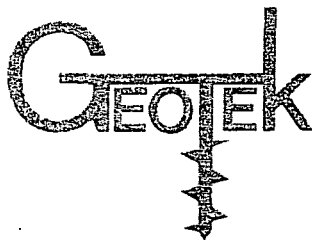
MIDWEST LABORATORIES, INC.

INT. *[Signature]*

Sampled by: (Signature) <i>Thomas J. Chape</i>	Temp on Arrival <i>18.0</i>	Cooler arrived intact?	Relinquished by: (Signature)	Date/Time	Received by: (Signature)
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Relinquished by: (Signature)	Date/Time	Received in Lab by: (Signature)

CHAIN OF CUSTODY

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**GEOTEK ENGINEERING
& TESTING SERVICES, INC.**

909 East 50th Street North
Sioux Falls, SD 57104
605-335-5512 Fax 605-335-0773

REPORT OF ANALYTICAL RESULTS

PROJECT #: 06-594

CHAIN OF CUSTODY 20586

PROJECT:

DATE: April 05, 2007

Former AST Facility
Ventura, IA

SAMPLE MEDIUM: WATER

DATE SAMPLED: March 29, 2007

CLIENT:

DATE RECEIVED: April 02, 2007

Hancock County Coop Oil
Garner, IA 50438

PHONE:

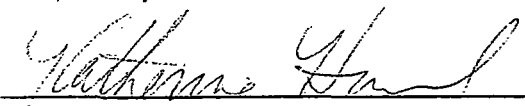
SAMPLER: Tom Chap 605-335-5512

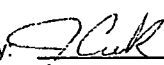
<u>Site</u>	<u>Lab ID#</u>	<u>Method</u>	<u>Compound Analyzed</u>	<u>Test Results</u>	<u>Units</u>	<u>Method</u> <u>Detection Limit</u>
MW #1	1202-07					
	4/5/2007	OA-2	TEH as Gasoline	74100	ug/L	2000 ug/L
	4/4/2007	OA-2	TEH as Diesel	<100	ug/L	100 ug/L
Comments: TEH Diesel extraction 4-4-2007.						
MW #2	1203-07					
	4/5/2007	OA-2	TEH as Gasoline	34800	ug/L	2000 ug/L
	4/4/2007	OA-2	TEH as Diesel	<100	ug/L	100 ug/L
Comments: TEH Diesel extraction 4-4-2007.						

Temperature at Receipt: 3 C

Analysts: Katherine Howard and Jason Cook

Respectfully submitted


Katherine Howard, Laboratory Supervisor

Reviewed by:  4/6/07



GEOTEK ENGINEERING & TESTING SERVICES, INC.

909 East 50th Street North
Sioux Falls, SD 57104
Telephone (605) 335-5512 • Fax (605) 335-0773

SN: 20586

CHAIN OF CUSTODY RECORD Analytical Request

LAB: GEOTEK

GEOTEK PROJECT NAME FORMER AST FACILITY Geotek Project # 06-594 TRANSMITTAL OF RESULTS
Address 413 W. LAKE ST. Geotek Project Manager KEITH Report To _____
VENTURA P.O. #/Billing Reference _____ Fax? _____
Bill To _____ Express Mail? _____
Standard Mail? _____

Sampled by (PRINT) TOM CHAP Phone# _____

Sampler Signature Thomas J. Chap Date Sampled 3/28/02

Sample No.	Sample Description	Sample Type	No. of Contain.	PID Reading	LABC (State)	BTEX	TH as	Naph	TH as Fuel C	TH as Waste	Benz Toluene	MTBE	n-H		Speed No. days standard	Remarks
1202	MW-1	H ₂ O	1						X							
1203	MW-2	H ₂ O	1						X							

Relinquished by Sampler: (Signature) <u>Thomas J. Chap</u>	DATE/TIME <u>4/2/02</u>	Received by Shipper: (Signature) <u>[Signature]</u>	DATE/TIME <u>4/2/02</u>	Method of Shipment:
Delivered by Shipper: (Signature) <u>[Signature]</u>	DATE/TIME	Received by Laboratory: (Signature) <u>[Signature]</u>	DATE/TIME <u>4/2/02</u> 10:32	

LABORATORY: Was cooler received with Chain of Custody Seal intact? Yes No Initials _____

3°C