CON 12-15
DOC # 32144

Environmental Site Investigation

TSL Companies
108 Avenue H
Carter Lake, Iowa

Prepared for

TranSpec Leasing Companies
2501 N 11th St
Omaha, NE 68110

Report Dated: December 1, 2015

Report Prepared by: _____
Kris LeVier IA Certified GWP #1654

rdg Geoscience & Engineering, Inc.
10360 Sapp Brothers Drive, Omaha, Nebraska 68138
PH (402) 894-2678 FAX (402) 894-9043

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Environmental Site Investigation

TSL Companies
Carter Lake, Iowa

November 30, 2015

1.0 INTRODUCTION

RDG Geoscience & Engineering, Inc. was onsite with Environmental Solutions, Inc. (ESI); Mr. Jerry Jordison (IDNR); and representatives from TSL Companies on October 26, 2015 to survey a fuel release at the above ground storage tanks (ASTs) located at 108 Avenue H in Carter Lake, Iowa. Approximately 1,600 gallons of diesel fuel had spilled from one of the ASTs due to an overfill on October 22, 2015.

2.0 SITE LOCATION

The TSL Companies property is located at 108 Avenue H in an industrial area of Carter Lake, Iowa. According to the Pottawattamie County Assessor's web page, the operational area, hereafter referred to as the subject property is an area encompassing approximately 31.27 acres. The legal description is shown on the parcel records included in Appendix A.

The topographic map shows the subject property is located in Section 20, Township 75 North, and Range 44 West in Carter Lake, Pottawattamie County, Iowa (Appendix A).

The office building for the facility is located west of the subject property and in Douglas County, Nebraska at 2501 N. 11th Street, Omaha, Nebraska.

3.0 BACKGROUND

On October 22, 2015, at approximately 1715 in the afternoon, a diesel fuel release was reported at the ASTs due to an overfill of the middle tank. TSL employees immediately pushed soil and gravel to create a berm around the tank system, and began soil excavation around the concrete pad. Approximately 56.49 tons of potentially contaminated soil was removed from the north and west sides of the concrete pad and stored in three dump trucks kept onsite pending disposal. Plastic covers were placed over the soil inside the bermed area due to the rain forecast for the following days.

A three foot deep interceptor trench was dug on the north side of the tanks. The soil that was removed from the trench excavation was stockpiled on each side of the trench.

On October 26, 2015 Kris LeVier from RDG Geoscience & Engineering, Inc. (RDG); John Sempeck from Environmental Services, Inc. (ESI); Jerry Jordison from the Iowa Department of Natural Resources (IDNR); Mr. Ritch Reckling, VP maintenance and repair for TSL Companies; and other representatives for TSL Companies and AmeriClaim of Nebraska met onsite to survey the spill. The staining from the diesel fuel could be seen on the concrete surface under the tanks, and on the ground surface surrounding the ASTs.

Mr. Reckling reported approximately 1,600 gallons of diesel fuel spilled from the tank to the concrete pad and to the soil surrounding the AST system. In addition to the soil already

removed on the north and west sides of the tanks, Mr. Jordison requested additional soil removal take place on the north, west, and south sides of the concrete pad, with confirmation soil samples collected for field head space analysis to determine the horizontal and vertical extents of the soil removal.

Stained soil was observed on the east side of the three ASTs, between the three tanks and the single AST, and under the east side of the single AST. Mr. Jordison requested the stained soil be removed and disposed of with the soil removed around the concrete pad. A leaking valve was also observed at the fueling station north of the single AST, with a partially filled bucket beneath it. Mr. Jordison made note of the leaking valve, as well.

4.0 CURRENT SITE ACTIVITIES AND RECEPTOR SURVEY

4.1 Ownership and Site Activities

The subject property is deeded to TranSpec Leasing Inc. The ASTs are used to store fuel for the truck fleet; a fueling station for semi-trucks is located on the east side of the ASTs.

The Pottawattamie County, IA parcel information showing the lots and ownership are included in Appendix A.

4.2 Adjacent Land Use

The subject property is located in an industrial area in Carter Lake, Iowa and extends from Avenue H north to E. Locust Street. East of the subject property is Mikel USA, Inc. and McMullen Trucking Company. The property directly south of Avenue H is also deeded to TSL Companies. The Iowa/Nebraska border is the west property line, and the business offices for the TSL Terminal is located beyond the property boundary at 2501 N. 11th Street, Omaha, Nebraska.

Historical aerial photographs were reviewed for the years 1950, 1960, 1990, 2003, and 2009. The 1950 aerial photograph shows the property is a dump site, and in 1960 the property is an empty lot. The building has been constructed as seen in the 1990 photo, and the ASTs are visible in the 2009 photo. The soil encountered during the excavation activities was silty clay with a large amount of broken glass, rocks, and debris, indicative of the dump site.

The 2014 Google map showing the area, and the historical aerial photographs are included in Appendix A.

4.3 Surface Water Survey

There are no surface water bodies within 200-feet of the subject property. Carter Lake is located approximately 0.55 miles north of the subject property.

There is a drainage ditch on the south side of Avenue H, which empties into a drainage pond located on the Sapp Brothers Bulk terminal property to the southeast of the subject property.

The surface topography shows a slight decrease in elevation northeast/east. Surface drainage would likely follow the topographic gradient.

4.4 Water Well Survey

RDG accessed the Iowa DNR Well Search website and the Nebraska Department of Natural Resources Well Search website to locate registered water wells within 1,000 feet of the subject property. No wells were identified.

The IDNR and NDNR Well Search data can be found in Appendix B.

4.5 Hydrogeology (general and local)

The United States Department of Agriculture Soil Conservation Service (USCS) Soil Survey of Pottawattamie County, Iowa lists the soils in this area as Sarpy Series. Sarpy Series soils formed in alluvium and consist of excessively drained, rapidly permeable soils on bottom land.

Groundwater was encountered at approximately 7-feet below ground surface while excavating soils around the concrete pad.

5.0 FIELD ACTIVITIES

5.1 Soil Sampling

RDG was onsite with ESI on November 3 and 4, 2015 to complete the excavation of visually contaminated soil around the north, west, and south sides of the concrete pad. Confirmation samples were collected from the excavation bottom and side for field head space analysis. A photoionization detector (PID) was used for the field analysis.

Excavation began at the north side of the concrete pad at 2-foot deep increments; if visual and/or PID readings were detected above 50 relative response units (rru), additional soil was removed. Groundwater was encountered at approximately 7- to 7.5-feet below ground surface, and the soil removal did not extend under the water. A wood marker had been placed in the ground by TSL personnel to mark the lateral extent of the surface spill between the receptor trench and the concrete pad. As soil was removed on the north side toward the marker, logs, bottles, cans, and broken glass were encountered in the soil, and a sheen could be seen on the groundwater. Mr. Jordison was contacted via telephone and it was agreed the soil would be removed to groundwater and a groundwater sample would be collected for laboratory analysis. An area measuring 10-feet by 16-feet was removed and soil samples were collected at the north and east sidewalls for field head space analysis.

Excavation continued on the west and south sides of the concrete pad to 7-feet, and above groundwater. On the south side of the concrete pad, the soils were removed to a greater depth closer to the pad, and to approximately 4-feet further to the south.

From the November 3 and 4 excavation activities, approximately 149 tons of soil was hauled and disposed of at Pheasant Point Landfill in Douglas County, Nebraska.

Clean fill material was hauled in from the Heimes Excavating yard located in Omaha, NE. The material was used to fill the void left by the over excavation of the contaminated soil, compacted using the backhoe, and gravel was placed on top of the clean soil.

TSL employees had removed the stained soil on the east side of the three ASTs and from under the single AST. The valve at the north side of the fueling station had also been repaired.

The following QA/QC considerations were employed to limit cross-contamination between sample locations: changing of protective latex gloves between soil sample intervals; use of clean glass jars for field head space analysis.

Please refer to the Site Map in Appendix A for soil sampling locations and photographs of the site before and after the excavation activities in Appendix D.

5.2 Groundwater Sampling

To collect the groundwater sample, a new disposable bailer was lowered into the excavation and groundwater was allowed to partially fill the bailer. The water sample was then transferred into a laboratory approved amber jar for submittal to TestAmerica Laboratories in Cedar Falls, Iowa. The groundwater sample was analyzed for total extractable hydrocarbons (TEH) by Iowa method OA-2.

No measurable free product was observed on the groundwater surface or in the sample jar prior to submittal to the laboratory. The TEH-diesel concentration reported from the groundwater sample was 131,000 parts per billion (ppb). std. 1,200 / 75,000 ppb

6.0 ANALYTICAL RESULTS OF SOIL AND GROUNDWATER SAMPLING

The field head space results for the soil samples collected for this investigation are summarized in Table 1 and the analytical results for the groundwater sample are included beneath the soil data in Table 1a. The TestAmerica Analytical Report and Chain-of-Custody forms are included in Appendix C.

7.0 DISCUSSION AND SUMMARY

Soil sampling was completed November 3 and 4, 2015 near the north, west, and south sides of the ASTs. The purpose of the soil sampling was to delineate horizontal and vertical contamination in the soil from the diesel release that had occurred in October 2015, and to remove the soil for disposal.

Approximately 205.50 tons of soil was removed from the site from October 26 through November 4, 2015 and disposed of at Pheasant Point Landfill in Douglas County, Nebraska.

The average depth to water encountered across the site was 7-feet below ground surface. A sheen was observed on the groundwater, north of the concrete pad, but no measurable free product was observed during the excavation activities. A groundwater sample was collected from the north side of the concrete pad for submittal to

TestAmerica Laboratories in Cedar Falls, Iowa. The TEH-diesel concentration reported from the groundwater sample was 131,000 parts per billion (ppb).

The ASTs are located in an industrial part of Carter Lake, Iowa. There are no buildings with basements within 200-feet of the ASTs; the water lines and sewer lines were reported by local utilities at the east side of the onsite building approximately 175-feet east of the spill location; no surface water bodies were observed within 200-feet of the ASTs.

Table 1 Soil Sample Field Data Summary

Sample number	Sample Location	Sample Depth	PID Reading (in rru)
1	N side of tanks	4-5'	641
2	N side of tanks	4-5'	548
3	N side near pad	7-8'	17.2
4	Surface 10' E of #3	2-3'	69.9
5	Soil pile at trench		0
6	inside trench - E	3'	0
6a	inside trench - W	3'	0
7	W side – north	4-5'	0
8	NW corner	4-5'	392
9	North wall of exc	4-5'	42.2
10	Surface north	1'	404
11	W side - center	4-5'	169
12	Replace #10	3-4'	3.7
13	Replace #8	7-8'	24.4
14	W side - south	4'	472
15	Replace #11	7-8'	8.6
16	SW corner	2-3'	46.7
17	S side of tanks	3'	335
18	S side of tanks	5'	0
19	S side of tanks	3'	0
20	Replace #14	6-7'	179.2
21	Replace #20	7-8'	0
22	8' South of pad	3-4'	0
23	Replace #17	5-6'	4.1
24	N near stake	3-4'	250
25	N nearer stake	4-5'	309
26	E wall of S exc	3-4'	0
27	N wall of N exc	4-5'	29.7
28	E wall of N exc	4-5'	40.7
W1	West wall - south	4-5'	0
W2	West wall - north	5-6'	4.2

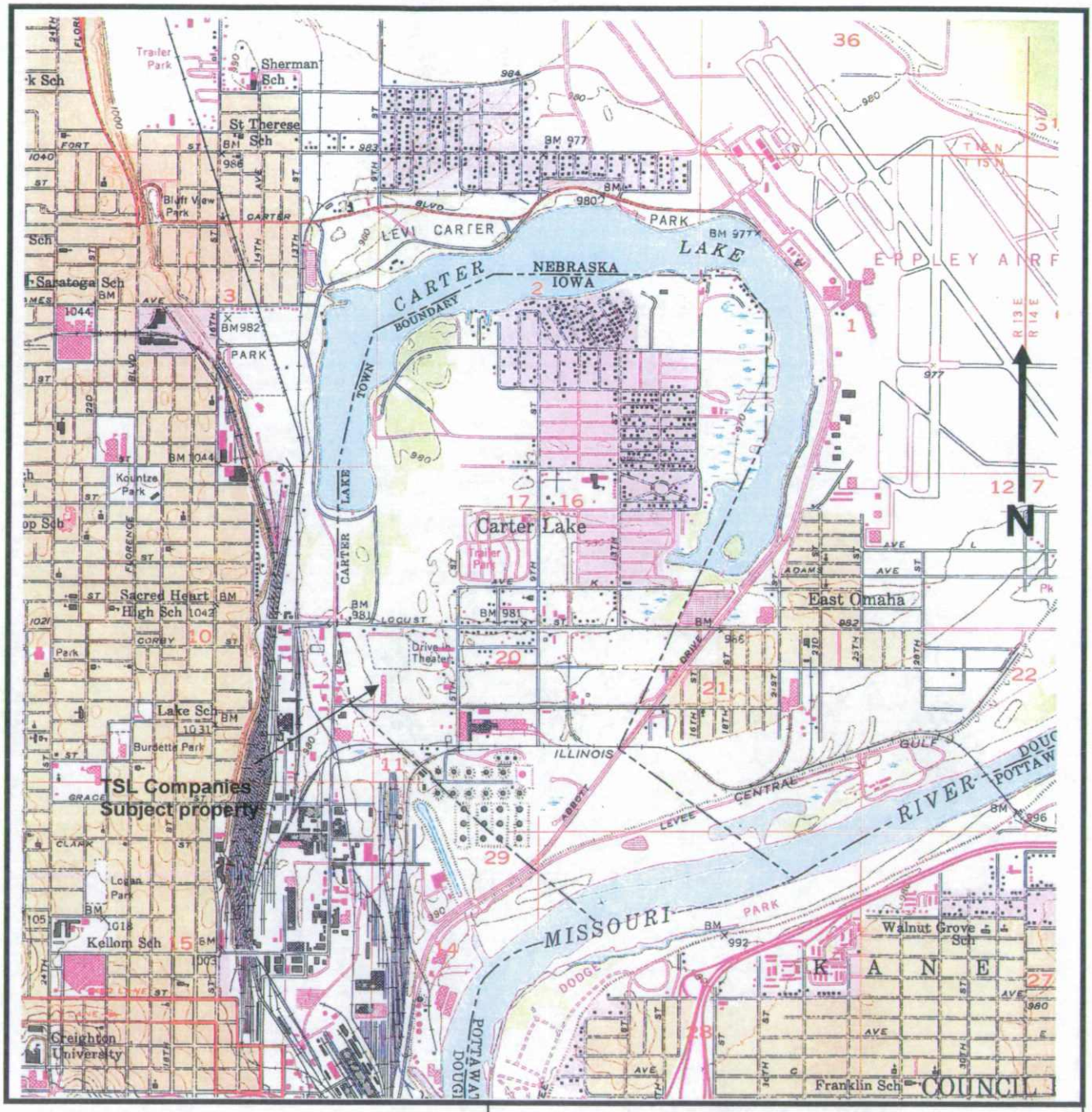
Highlighted lines indicate the soil was removed from the excavation.

Table 1a. Groundwater Analytical Results (reported in parts per billion (ppb))

Sample ID	Date collected	Depth of sample	TEH-diesel	TEH-waste oil
Excavation	11/4/15	8-feet	131,000	< 278

Appendix A - Maps

Topographic Map
Pottawattamie County, Iowa Parcel information and maps
Area Map – Google Earth™; Historical Aerial Photographs
Site Map



Topographic Map
TSL Companies
108 Avenue H
Carter Lake, Iowa

Omaha North Quadrangle, Nebr.-Iowa
USGS 7.5 Minute Series (Topographic)
1956, Photorevised 1984
Scale 1" = 2000'

Find Property Res Sales Comm/Ind Sales

7544 20 401 002

--- Permanent Property Address ---	------- Mailing Address -------
TRANSPEC LEASING INC	TRANSPEC LEASING INC
108 AVE H	10001 S 152ND ST
CARTER LAKE, IA	OMAHA, NE 68138

District: 005

REAL ESTATE TAX

Click here for treasurer real estate tax information.

LEGAL DESCRIPTION

CARTER LAKE-AUD SUB NW SE 20-75-44 W856' LT 16 & AUD SUB LTS 14 & 15 LTS 5 & 6 & LT A EXC N103.5' < B EXC N103.5'W150' & ALL LTS C & D& W200' AUD SUB LT 13 EXC N125' & PT LT 2COMM 200.88'E NW CORTH E57.38' S156.69'SE282.75' W71.91' S32.42' W113.83'N449.5' TO POB(INCLUDES PARCEL A OFPT LT 2)

ASSESSED VALUE

land	dwelling	land	building	total	ag acres	year	class
$549,434	$0		$373,750	$923,184		2014	C
$549,434	$0		$373,750	$923,184		2015	C

OWNERS

1 D TRANSPEC LEASING INC book/page: 102/56677 D

EXEMPTIONS & CREDITS

2014 BPTC $2,563.66

ASSESSMENT DATA

PDF: 9 MAP: CARTER LAKE COMM-9

Sale Date	Amount	Code	Book/Page
12/28/2001	500000	D009	102/56677
01/01/1984	9000	D049	085/16526

Interior Listing: Inspected Date Listed: 10/27/1995 JC Date Reviewed: 12/05/1995 TCG

LAND.....1362121 sqFt 31.27 acres

Commercial Building 1 of 2 -- Metal Warehouse - Steel Frame (601)
DBA: LEWIS TRUCK LINES/H & W
STRUCTURE....1 story 13200 base SF 0 bsmt SF 26880 gross SF
Year Built: 1961 Eff Year: 1961 Condition: Normal
VERTICALS....Foundation: Reinforced Concrete
Ext Wall: Metal/ Stl/ Insul (<50' Wide)
Int Wall: Unfinished
Drywall or Equiv.
Front/Doors: Incl. w / Base
Windows: Incl. w / Base
HORIZONTALS..Basement: Incl. w / Base
Roof: Mtl/ Stl/ Insul.
Ceiling: Unfinished
Suspended Blk-Fiber
Struc Floor: Incl. w/ Base
Partitions: Incl. w / Base
Framing: Steel - Light
HVAC: No HVAC
Combination FHA - AC
Lighting: Warehouse
Office
PLUMBING.....Toilet Room (2)
Rough Plumbing (1)
ADJUSTMENTS..Office - internal w/heat only (2214)
Canopy - Metal (1320)
Heat - none (10986)
Insulation - none/roll (15726)
Floor - dock level adjustment (13200)
Canopy - Metal (1320)
BLDG EXTRAS..9 DOOR: O.H. Door - Manual, 8 Ft Wide, 8 Ft High
9 DOOR: O.H. Door - Manual, 8 Ft Wide, 8 Ft High
9 DOOR: O.H. Door - Manual, 8 Ft Wide, 8 Ft High
9 DOCK LEVELER EDGE: Mechanical
5 DOCK LEVELER EDGE: Mechanical
1 STG ROOM: Quantity=64.00 Square Feet, Height=8

```
Commercial Building 1 of 2 Addition 1 -- Metal Light Mfg - Steel (608)
DBA: LEWIS TRUCK LINES/H & W
STRUCTURE....1 story   3600 base SF   0 bsmt SF
             Year Built: 1961    Eff Year: 1961    Condition: Normal
VERTICALS....Foundation:  Reinforced Concrete
             Ext Wall:    Metal/ Stl/ Insul (<50' Wide)
             Int Wall:    Unfinished
             Front/Doors: Incl. w / Base
             Windows:     Incl. w / Base
HORIZONTALS..Basement:    Incl. w / Base
             Roof:        Mtl/ Stl/ Insul.
             Ceiling:     Unfinished
             Struc Floor: Incl. w/ Base
             Partitions:  Incl. w / Base
             Framing:     Steel - Light
             HVAC:        Suspended Gas Unit
             Lighting:    Industrial - Average
ADJUSTMENTS..Canopy - Metal (360)
             Canopy - Metal (360)
BLDG EXTRAS..6 DOOR: O.H. Door - Power, 12 Ft Wide, 15 Ft High
             1 CBLK PART WALL: Quantity=60.00 Lineal Feet, Height=16
             1 ROOF/LIGHTS/CONC: Quantity=2,280.00 Square Feet, Height=16

Commercial Building 1 of 2 Addition 2 -- Metal Warehouse - Steel Frame (601)
DBA: LEWIS TRUCK LINES/H & W
STRUCTURE....1 story   10080 base SF   0 bsmt SF
             Year Built: 1964    Eff Year: 1964    Condition: Normal
VERTICALS....Foundation:  Reinforced Concrete
             Ext Wall:    Metal/ Stl/ Insul (<50' Wide)
             Int Wall:    Unfinished
                          Panel - Softwood
             Front/Doors: Incl. w / Base
             Windows:     Factory Sash
HORIZONTALS..Basement:    Incl. w / Base
             Roof:        Mtl/ Stl/ Insul.
             Ceiling:     Unfinished
                          Suspended Blk-Fiber
             Struc Floor: Incl. w/ Base
             Partitions:  Incl. w / Base
             Framing:     Steel - Light
             HVAC:        No HVAC
                          Combination FHA - AC
             Lighting:    Warehouse
                          Office
PLUMBING.....Rough Plumbing (1)
             Hot Water Tank -   40-gal (1)
             Toilet Room (2)
             Urinal - Wall (1)
ADJUSTMENTS..Heat - none (8640)
             Floor - dock level adjustment (10080)
             Canopy - Metal (1008)
             Canopy - Metal (1008)
BLDG EXTRAS..9 DOOR: O.H. Door - Manual, 8 Ft Wide, 8 Ft High
             9 DOOR: O.H. Door - Manual, 8 Ft Wide, 8 Ft High
             6 DOOR: O.H. Door - Manual, 8 Ft Wide, 8 Ft High
             2 DOOR: O.H. Door - Manual, 8 Ft Wide, 9 Ft High

Commercial Building 2 of 2 -- Metal Warehouse - Steel Frame (601)
DBA: LEWIS TRUCK LINES/H & W
STRUCTURE....1 story   1464 base SF   0 bsmt SF   1464 gross SF
             Year Built: 1968    Eff Year: 1968    Condition: Below Normal
VERTICALS....Foundation:  Reinforced Concrete
             Ext Wall:    Metal/ Stl/ Insul (<50' Wide)
             Int Wall:    Unfinished
             Front/Doors: Incl. w / Base
             Windows:     Incl. w / Base
HORIZONTALS..Basement:    Incl. w / Base
             Roof:        Mtl/ Stl/ Insul.
             Ceiling:     Unfinished
             Struc Floor: Incl. w/ Base
             Partitions:  Incl. w / Base
```

```
            Framing:      Steel - Light
            HVAC:         No HVAC
            Lighting:     No Electric
ADJUSTMENTS..Heat - none (1464)
            Insulation - none/roll (3164)
            Electric - none (1464)
BLDG EXTRAS..6 DOOR: O.H. Door - Manual, 8 Ft Wide, 7 Ft High
YARD EXTRAS..PAVING 104,000 SF, Concrete Parking, Average Pricing
            PAVING 9,000 SF, Asphalt Parking, Average Pricing
            FENCING - CHAIN 3 Strand Barb, 8 Ft-Hgh, 268 LF, 0 LF-Gates
            2 TANK - SMALL BULK Vert. Steel-Dual, 10,000 Gal
            FENCING - CHAIN 3 Strand Barb, 6 Ft-Hgh, 615 LF, 0 LF-Gates
            FENCING - CHAIN No Barbs, 6 Ft-Hgh, 900 LF, 0 LF-Gates
            PAVING 11,000 SF, Concrete Parking, Average Pricing
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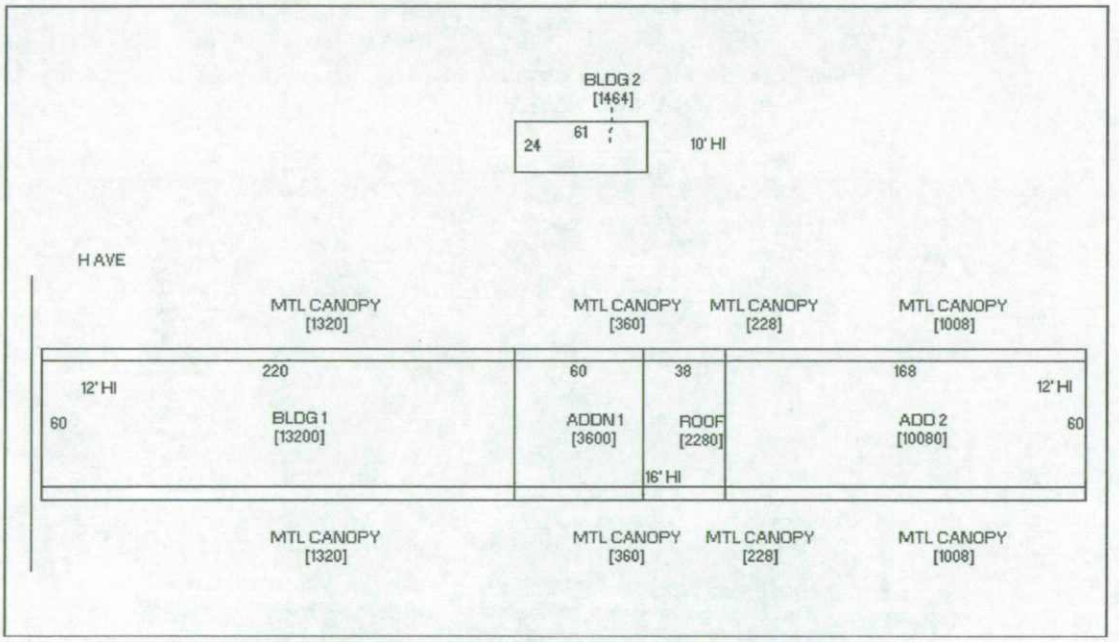
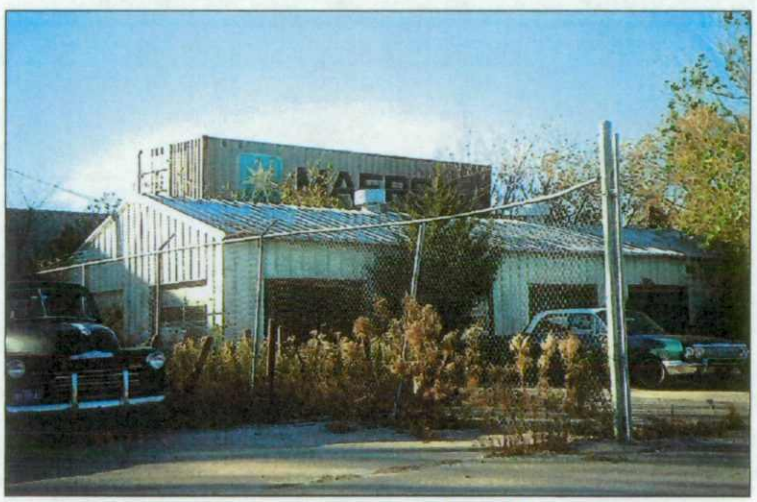


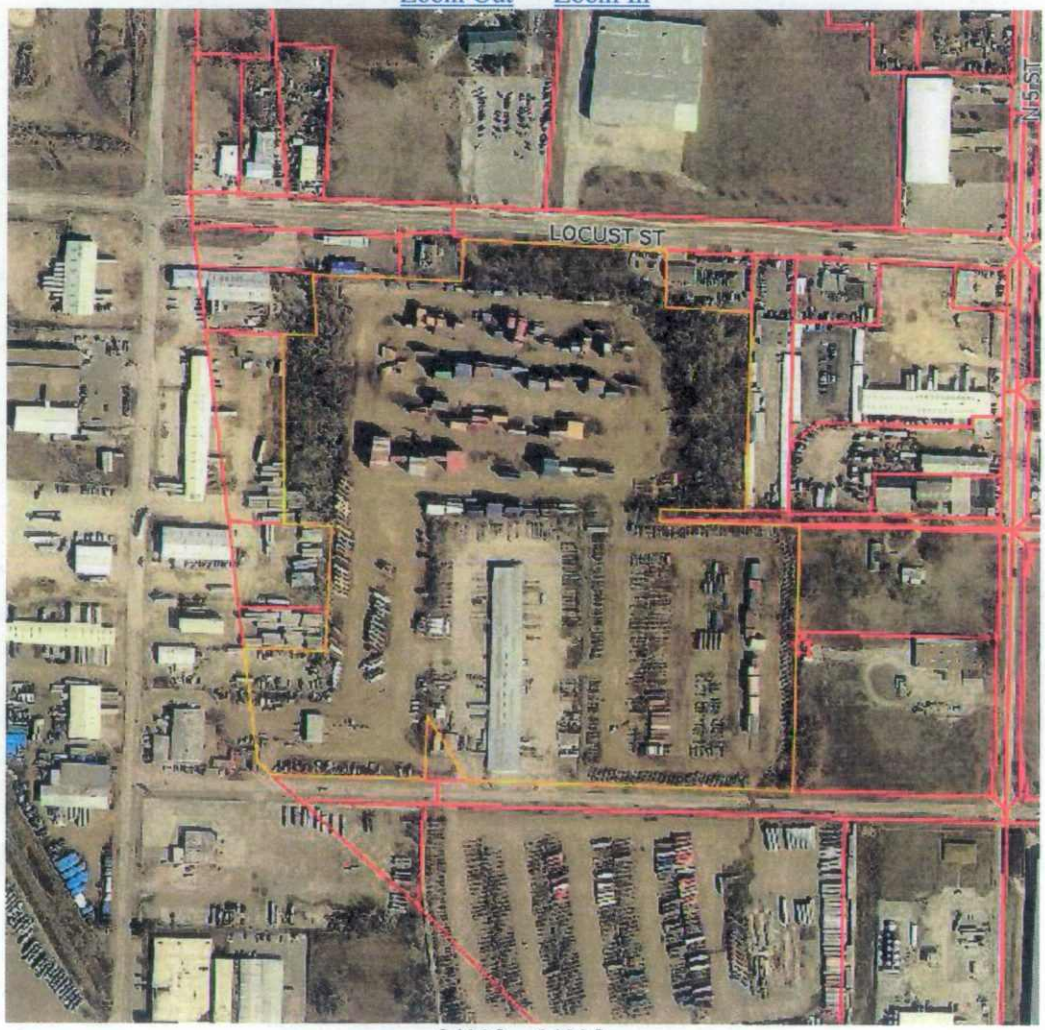
108 AVE H, TRANSPEC LEASING INC



108 AVE H, TRANSPEC LEASING INC, 1 01/01/1996

108 AVE H, TRANSPEC LEASING INC, 2 01/01/1996

Zoom Out Zoom In



2400ft x 2400ft

Click any parcel to go to its web page

See more maps at the County GIS Department.

As of: On Web Get Card

Find Property Res Sales Com DOVs


108 Avenue H
location of ASTs
NE/IA borderline
drainage ditch
Sapp Bros. drainage pond
N 11th St
759 ft
© 2015 Google
1990
Imagery Date: 10/14/2014 41°16'57.93" N 95°55'30.53" W elev 986 ft

108 Avenue H
Carter Lake, Iowa

N

2009

HIG Project # 149089
Client Project #
Approximate Scale 1:6000 (1"=500')

108 Avenue H
Carter Lake, Iowa

N

2003

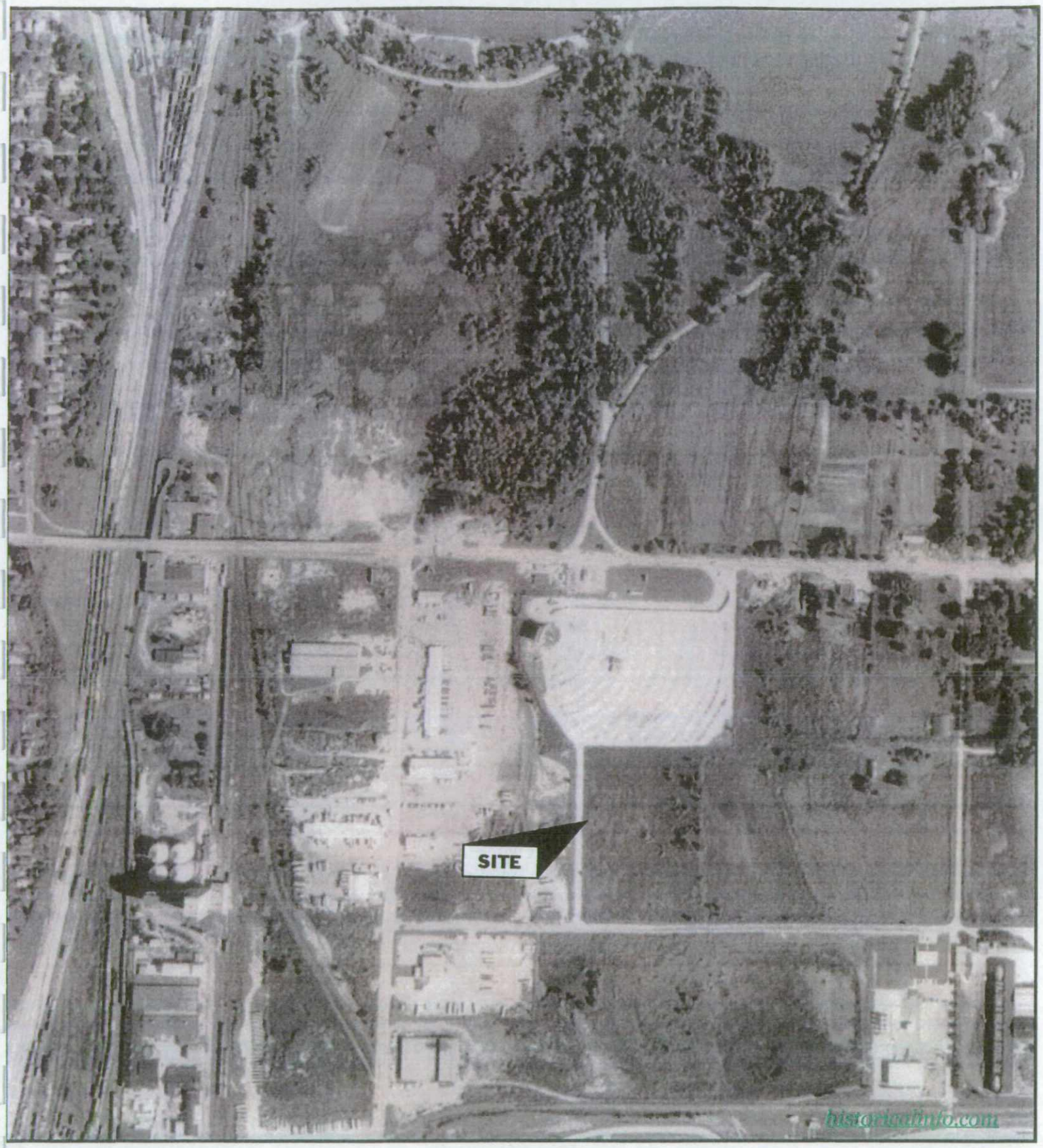
HIG Project # 149089
Client Project #
Approximate Scale 1:6000 (1"=500')

108 Avenue H
Carter Lake, Iowa

N

1990

HIG Project # 149089
Client Project #
Approximate Scale 1:6000 (1"=500')



108 Avenue H
Carter Lake, Iowa

N

1960

HIG Project # 149089
Client Project #
Approximate Scale 1:6000 (1"=500')

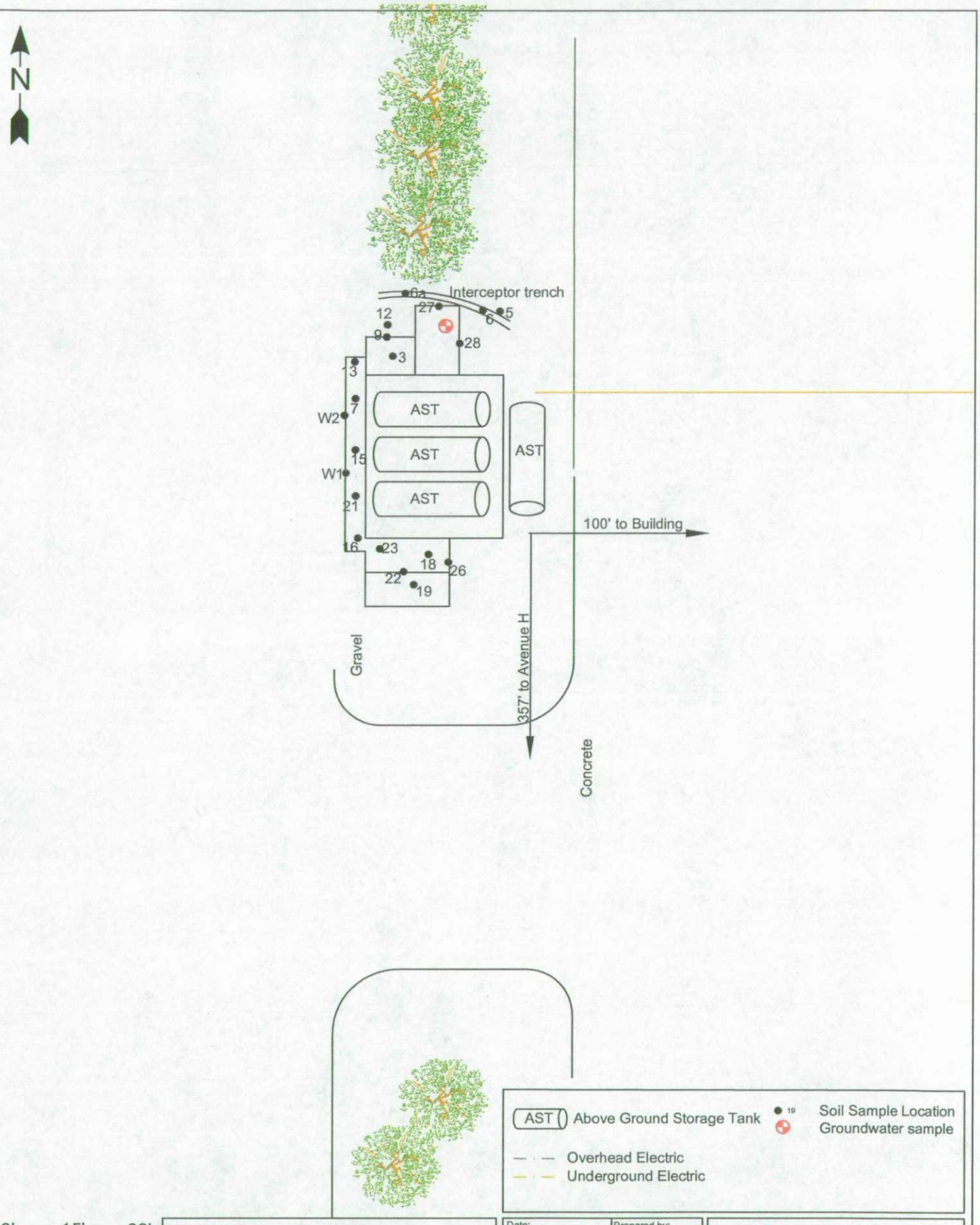
HIG

108 Avenue H
Carter Lake, Iowa

N

1950

HIG Project # 149089
Client Project #
Approximate Scale 1:6000 (1"=500')



AST Above Ground Storage Tank

19 Soil Sample Location

Groundwater sample

Overhead Electric

Underground Electric

0' 15' 30'

Site Map

TSL Companies, Inc.
108 Avenue H
Carter Lake, IA

Date:	Prepared by:
11/4/2015	GBB/KL
UG #:	Reviewed by:

rdg Geoscience & Engineering

Appendix B – Well Search Data

IDNR Well Search Data
Nebraska Department of Natural Resources Well Search Data

Well Search

Well Search Report

Included in search	No. of wells	Database
X	0	IGS well database General well database maintained by IGS, location accuracy varies 3,730 to 25 ft., last updated 8/2005.
X	0	Public wells Muncipal and nonmunicipal public well databases maintained by IGS, location varies 3,730 to 25 ft., under development.
X	0	SDWIS public wells Public well database developed from the Safe Drinking Water Information System database maintained by IDNR, estimated locational accuracy varies from 15m. to 3300m. Created from 5/2005 data.
X	0	Private well tracking system IDNR database management system for Grants-to-counties-covered wells. Locational accuracy unknown, assumed to be +/- 17 m., Last update 7/2005.
X	0	Wells registered for testing Wells tested under Grant-to-Counties program. Locational accuracy varies 1150 to 150 m.; Last update 9/2001, no future updates planned.
X	0	Permitted private wells Wells permitted under Grant-to-Counties program. Locational accuracy varies 1150 to 150 m.; Last update 9/2001, no future updates planned.
X	8	Registered abandoned wells Wells abandoned under Grant-to-Counties program. Locational accuracy varies 1150 to 150 m.; Last update 9/2001, no future updates planned.
X	0	Water use facilities Wells used by facilities permitted to withdraw >25,000 gallons per day, locational accuracy is +/-20m to 1150 m. Created from 7/2005 data.
X	0	Municipal wells and intakes Locational accuracy 220 m., last updated 8/96.
X	0	Ag drainage wells Locational accuracy 100 m., last updated 4/98.

Well Search Detail

Subject: XY UTM Coordinates: 254953/4574205
Search Radius (ft): 1000

IGS Well Database

Map ID	Well No.	Location	Accuracy	Dist. From Point	Well Depth	Construction/ Permit Date	Owner/Permittees	Other Information
No records found from this data source								

Public Wells

Map ID	Well No.	Location	Accuracy	Dist. From Point	Well Depth	Construction/ Permit Date	Owner/Permittees	Other Information
No records found from this data source								

SDWIS public wells

Map ID	Well No.	Location	Accuracy	Dist. From Point	Well Depth	Construction/ Permit Date	Owner/Permittees	Other Information
No records found from this data source								

Private Well Tracking System

Map ID	Well No.	Location	Accuracy	Dist. From Point	Well Depth	Construction/ Permit Date	Owner/Permittees	Other Information
No records found from this data source								

Wells Registered For Testing

Map ID	Well No.	Location	Accuracy	Dist. From Point	Well Depth	Construction/ Permit Date	Owner/Permittees	Other Information
No records found from this data source								

Permitted Private Wells

Map ID	Well No.	Location	Accuracy	Dist. From Point	Well Depth	Construction/ Permit Date	Owner/Permittees	Other Information
No records found from this data source								

Abandoned Wells (plugged)

Map ID	Well No.	Location	Accuracy	Dist. From Point	Well Depth	Construction/ Permit Date	Owner/Permittees	Other Information
171852	35545	T. 75 N., R. 44 W., Sec. 20, SE, NW, SW	Calc. +/- 140m.	(m)	15	n.a.	Embarcadero Investments	Well plugged: 1/14/1999; Well type: < 18" dia.
171860	35540	T. 75 N., R. 44 W., Sec. 20, SE, NW, SW	Calc. +/- 140m.	302 (m)	15	n.a.	Embarcadero Investments	Well plugged: 1/14/1999; Well type: < 18" dia.
171871	35538	T. 75 N., R. 44 W., Sec.	Calc. +/- 140m.	(m)	15	n.a.	Embarcadero Investments	Well plugged: 1/14/1999;

		20, SE, NW, SW						Well type: < 18" dia.
171877	35541	T. 75 N., R. 44 W., Sec. 20, SE, NW, SW	Calc. +/- 140m.	(m)	15	n.a.	Embarcadero Investments	Well plugged: 1/14/1999; Well type: < 18" dia.
171885	35535	T. 75 N., R. 44 W., Sec. 20, SE, NW, SW	Calc. +/- 140m.	297 (m)	15	n.a.	Embarcadero Investments	Well plugged: 1/14/1999; Well type: < 18" dia.
171890	35482	T. 75 N., R. 44 W., Sec. 20, SW, NW, SW	Calc. +/- 140m.	(m)	15	n.a.	Embarcadero Investments	Well plugged: 1/14/1999; Well type: < 18" dia.
171895	35536	T. 75 N., R. 44 W., Sec. 20, SE, NW, SW	Calc. +/- 140m.	304 (m)	16	n.a.	Embarcadero Investments	Well plugged: 1/14/1999; Well type: < 18" dia.
171902	35537	T. 75 N., R. 44 W., Sec. 20, SE, NW, SW	Calc. +/- 140m.	304 (m)	15	n.a.	Embarcadero Investments	Well plugged: 1/14/1999; Well type: < 18" dia.

Water Use Facilities

Map ID	Well No.	Location	Accuracy	Dist. From Point	Well Depth	Construction/ Permit Date	Owner/Permittees	Other Information
No records found from this data source								

Municipal Wells And Intakes

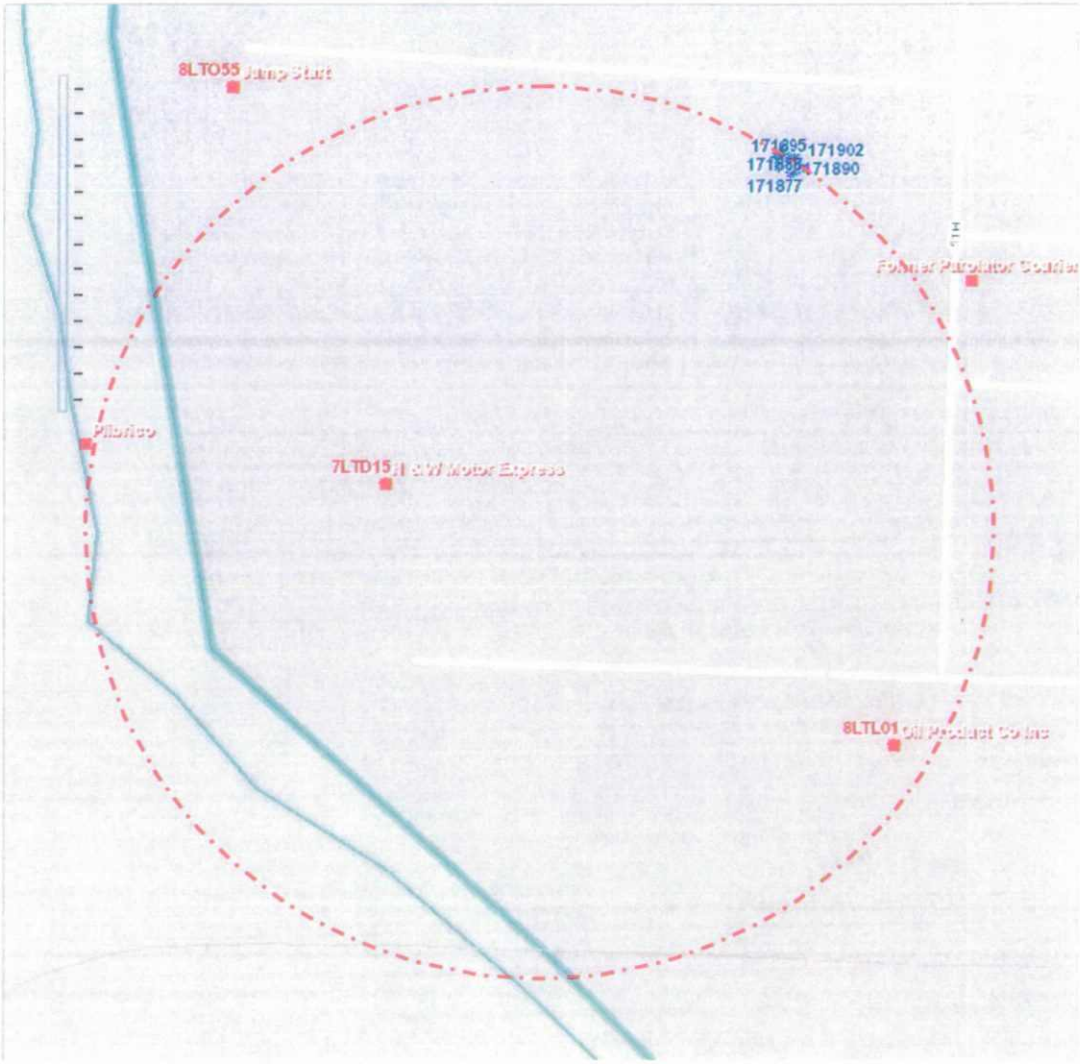
Map ID	Well No.	Location	Accuracy	Dist. From Point	Well Depth	Construction/ Permit Date	Owner/Permittees	Other Information
No records found from this data source								

Ag Drainage Wells

Map ID	Well No.	Location	Accuracy	Dist. From Point	Well Depth	Construction/ Permit Date	Owner/Permittees	Other Information
No records found from this data source								

Well Search Buffered Map

Subject: XY UTM Coordinates: 254953/4574205
Search Radius (ft): 1000



Map Notes:
- UST
- LUST
- Wells

Please refer to the Accuracy column in Well Search Detail.
Since multiple points can be at the same spot (as those located to the center of a quarter section), points were randomly dispersed within 10 meters around that spot so all points can be seen.

Return to Search Page

Nebraska Department of Natural Resources
Database Through: 11/30/2015
Processed: 12/1/2015 3:58:13 PM

REGISTERED GROUNDWATER WELLS DATA RETRIEVAL

Search Results Maximum 1000 Per Page

Note:
Information on Public Water Supply Wells is not available through this interface. Contact the Department of Natural Resources (Data Bank) at 402-471-2363 for more information. All registration documentation for water wells registered after January 1, 1969, except Public Water Supply wells, are now available.

Due to possibility of a well being in more than one series, an individual well might be listed more than once.

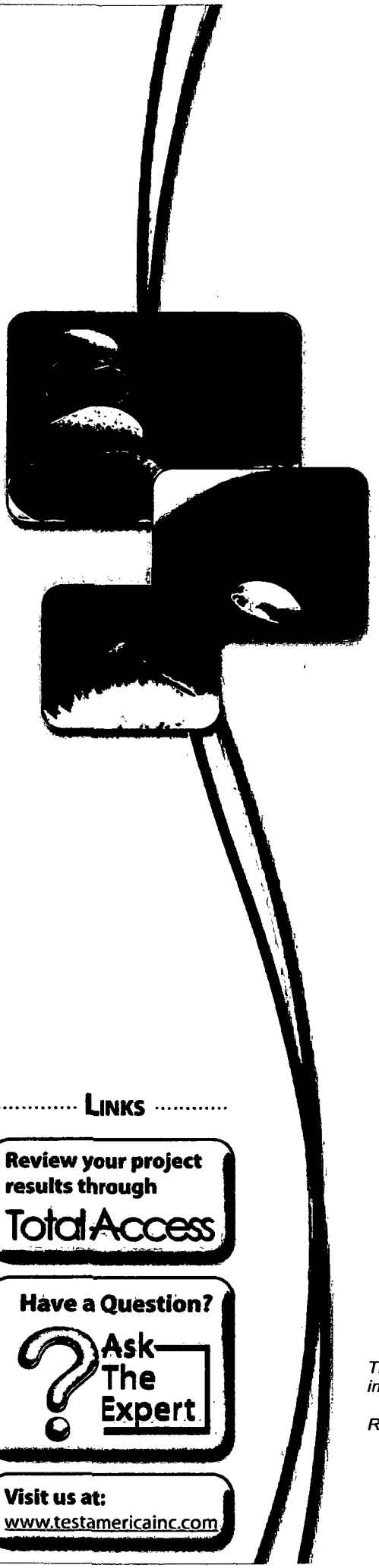
0 Records Found

Data copy of requested wells.
Data copy of Geo Logs for requested wells.
Data copy of Casing Screen for requested wells.
Data copy of Grout Gravel for requested wells.

Legend and Notes

Appendix C

Laboratory Reports/Chain of Custody



TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Cedar Falls
704 Enterprise Drive
Cedar Falls, IA 50613
Tel: (319)277-2401

TestAmerica Job ID: 310-68521-1
TestAmerica Sample Delivery Group: Carter Lake, IA
Client Project/Site: TSL Trucking

For:
RDG Geoscience & Engineering
10360 Sapp Bros. Dr.
Omaha, Nebraska 68138

Attn: Kris LeVier

Angela Muehling

Authorized for release by:
11/12/2015 3:34:03 PM

Angela Muehling, Project Manager I
(319)277-2401
angela.muehling@testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Job ID: 310-68521-1

Laboratory: TestAmerica Cedar Falls

Narrative

Job Narrative
310-68521-1

Comments
No additional comments.

Receipt
The sample was received on 11/7/2015 9:45 AM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 0.0° C.

GC Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Sample Summary

Client: RDG Geoscience & Engineering
Project/Site: TSL Trucking

TestAmerica Job ID: 310-68521-1
SDG: Carter Lake, IA

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
310-68521-1	Excavation	Ground Water	11/04/15 12:30	11/07/15 09:45

Detection Summary

Client: RDG Geoscience & Engineering
Project/Site: TSL Trucking

TestAmerica Job ID: 310-68521-1
SDG: Carter Lake, IA

Client Sample ID: Excavation

Lab Sample ID: 310-68521-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel	131000		2780		ug/L	10		OA-2	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: Excavation
Date Collected: 11/04/15 12:30
Date Received: 11/07/15 09:45
Sampler Name: Kris LeVier

Lab Sample ID: 310-68521-1
Matrix: Ground Water
Sampler Phone Number: 402-894-2678

Method: OA-2 - Iowa - Extractable Petroleum Hydrocarbons (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	<278		278		ug/L		11/09/15 10:44	11/10/15 23:46	1
Diesel	**131000**		2780		ug/L		11/09/15 10:44	11/11/15 18:59	10
Waste Oil	<278		278		ug/L		11/09/15 10:44	11/10/15 23:46	1
Total Extractable Hydrocarbons	<4630		4630		ug/L		11/09/15 10:44	11/11/15 18:59	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*114*		*45 - 140*	*11/09/15 10:44*	*11/10/15 23:46*	*1*

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Surrogate Summary

Client: RDG Geoscience & Engineering
Project/Site: TSL Trucking

TestAmerica Job ID: 310-68521-1
SDG: Carter Lake, IA

Method: OA-2 - Iowa - Extractable Petroleum Hydrocarbons (GC)

Matrix: Ground Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	OTC (45-140)
310-68521-1	Excavation	114

Surrogate Legend
OTC = n-Octacosane

Method: OA-2 - Iowa - Extractable Petroleum Hydrocarbons (GC)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	OTC (45-140)
LCS 310-107901/2-A	Lab Control Sample	86
LCSD 310-107901/3-A	Lab Control Sample Dup	95
MB 310-107901/1-A	Method Blank	90

Surrogate Legend
OTC = n-Octacosane

Method: OA-2 - Iowa - Extractable Petroleum Hydrocarbons (GC)

Lab Sample ID: MB 310-107901/1-A
Matrix: Water
Analysis Batch: 108207

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 107901

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	<300		300		ug/L		11/09/15 10:44	11/10/15 18:33	1
Diesel	<300		300		ug/L		11/09/15 10:44	11/10/15 18:33	1
Waste Oil	<300		300		ug/L		11/09/15 10:44	11/10/15 18:33	1
Total Extractable Hydrocarbons	<500		500		ug/L		11/09/15 10:44	11/10/15 18:33	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*90*		*45 - 140*	*11/09/15 10:44*	*11/10/15 18:33*	*1*

Lab Sample ID: LCS 310-107901/2-A
Matrix: Water
Analysis Batch: 108207

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 107901

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Diesel			2000	1677		ug/L		84	30 - 125		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
n-Octacosane	*86*		*45 - 140*

Lab Sample ID: LCSD 310-107901/3-A
Matrix: Water
Analysis Batch: 108207

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 107901

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel			2000	1879		ug/L		94	30 - 125	11	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
n-Octacosane	*95*		*45 - 140*

GC Semi VOA

Prep Batch: 107901

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-68521-1	Excavation	Total/NA	Ground Water	3510C	
LCS 310-107901/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 310-107901/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
MB 310-107901/1-A	Method Blank	Total/NA	Water	3510C	

Analysis Batch: 108207

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-68521-1	Excavation	Total/NA	Ground Water	OA-2	107901
LCS 310-107901/2-A	Lab Control Sample	Total/NA	Water	OA-2	107901
LCSD 310-107901/3-A	Lab Control Sample Dup	Total/NA	Water	OA-2	107901
MB 310-107901/1-A	Method Blank	Total/NA	Water	OA-2	107901

Analysis Batch: 108354

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-68521-1	Excavation	Total/NA	Ground Water	OA-2	107901

Lab Chronicle

Client: RDG Geoscience & Engineering
Project/Site: TSL Trucking

TestAmerica Job ID: 310-68521-1
SDG: Carter Lake, IA

Client Sample ID: Excavation

Date Collected: 11/04/15 12:30
Date Received: 11/07/15 09:45

Lab Sample ID: 310-68521-1

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			107901	11/09/15 10:44	EEE	TAL CF
Total/NA	Analysis	OA-2		10	108354	11/11/15 18:59	LLS	TAL CF
Total/NA	Prep	3510C			107901	11/09/15 10:44	EEE	TAL CF
Total/NA	Analysis	OA-2		1	108207	11/10/15 23:46	LLS	TAL CF

Laboratory References:

TAL CF = TestAmerica Cedar Falls, 704 Enterprise Drive, Cedar Falls, IA 50613, TEL (319)277-2401

Certification Summary

Client: RDG Geoscience & Engineering
Project/Site: TSL Trucking

TestAmerica Job ID: 310-68521-1
SDG: Carter Lake, IA

Laboratory: TestAmerica Cedar Falls

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
AIHA-LAP, LLC	IHLAP		101044	11-01-16
Georgia	State Program	4	N/A	09-29-16
Illinois	NELAP	5	200024	11-29-15
Iowa	State Program	7	007	12-01-15
Kansas	NELAP	7	E-10341	01-31-15 *
Minnesota	NELAP	5	019-999-319	12-31-15
Minnesota (Petrofund)	State Program	1	3349	08-22-16
North Dakota	State Program	8	R-186	09-29-16
Oregon	NELAP	10	IA100001	09-29-16
Wisconsin	State Program	5	999917270	08-31-16

* Certification renewal pending - certification considered valid.

Method Summary

Client: RDG Geoscience & Engineering
Project/Site: TSL Trucking

TestAmerica Job ID: 310-68521-1
SDG: Carter Lake, IA

Method	Method Description	Protocol	Laboratory
OA-2	Iowa - Extractable Petroleum Hydrocarbons (GC)	Iowa DNR	TAL CF

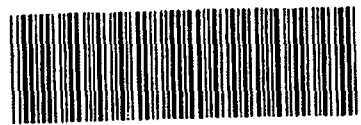
Protocol References:

Iowa DNR = Iowa Department of Natural Resources

Laboratory References:

TAL CF = TestAmerica Cedar Falls, 704 Enterprise Drive, Cedar Falls, IA 50613, TEL (319)277-2401

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING


310-68521 Chain of Custody

Cooler/Sample Receipt and Temperature Log Form

Client Information

Client: RDG

City/State: | Project: TSL TrKing

Receipt Information

Date/Time Received: 11-7-15 9:45 | Received By: CH

Delivery Type: ☐ UPS ☒ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee
☐ TA Courier ☐ TA Field Services ☐ Client Drop-off ☐ Other:_____

Condition of Cooler/Containers

Sample(s) received in Cooler? ☒ Yes ☐ No *If yes:* Cooler ID: Client

Multiple Coolers? ☐ Yes ☒ No *If yes:* Cooler # ____ of ____

Cooler Custody Seals Present? ☒ Yes ☐ No *If yes:* Cooler custody seals intact? ☒ Yes ☐ No

Sample Custody Seals Present? ☐ Yes ☒ No *If yes:* Sample custody seals intact? ☐ Yes ☒ No

Trip Blank Present? ☐ Yes ☒ No *If yes:* Which VOA samples are in cooler? ↓

Temperature Record

Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other:_____ ☐ NONE

Temperature Blank? ☒ Yes ☐ No ID & Bottle Type:

NOTE: If yes, use temp blank for measurement. If no, specify sample ID(s) and bottle type used to take measurement.

Thermometer ID: H | Correction Factor (°C): −0.1°C

Uncorrected Temp (°C): 0.1°C | Corrected Temp (°C): 0.0°C

Exceptions Noted

1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No
   a) *If yes:* Is there evidence that the chilling process began? ☐ Yes ☐ No

2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e.g., bulging septa, broken/cracked bottles?) ☐ Yes ☐ No

NOTE: If yes, contact PM before proceeding. If no, proceed with login

Additional Comments

TestAmerica INCORPORATED

Cedar Falls Division
704 Enterprise Drive
Cedar Falls, IA 50613

Phone: 319 - 277 - 2401 or 1 - 800 - 750 - 2401
Fax: 319 - 277 - 2425

Company: RDG Geoscience & Engineering — Iowa Sites — Your PO #:

Send Report To: Kris LeVier — Invoice To: RDG #1417061

Address: 10360 Sapp Brothers Drive

City/State/Zip Code: Omaha, NE 68138 — Project Name: TSL trucking

Telephone Number: 402-894-2678 Fax: 402-894-9043 — Project Number: Carter Lake, IA

Sampled by: (Print Name) Kris LeVier

(Signature) Kris LeVier — Email Address: klevier @rdgge.com

Sample ID	Date Sampled	Time Sampled	# of containers shipped	Grab	Composite	Field Filtered	Preservative: Ice	HNO_3 (Red & White Label)	HCl (Blue & White Label)	NaOH (Orange & White Label)	H_2SO_4 Plastic (Yellow & White Label)	H_2SO_4 Glass(Yellow & White Label)	None (Black & White Label)	Other (Specify)	Matrix: Groundwater	Wastewater	Drinking Water	Sludge	Soil	Other Specify:	Analyze For: TEH OA-2	RUSH TAT (Must call ahead)	Standard TAT	Fax Results	Send QC with report
Excavation	11-4-2015	12:30	1	✓			✓						✓		✓						✓				

NOTE: All turn around times are calculated from the time of receipt at TestAmerica.
NOTICE: Pre-Arrangements must be made *AT LEAST 48 Hours in ADVANCE* to receive results with RUSH turn around time commitments; *additional charges* may be assessed.
NOTE: There may be a charge assessed for TestAmerica disposing of sample remainders.

NOTES:
Chromatograms for Highest Contaminant and Standard

Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
Kris LeVier	11-6-15	17:00						
Shipped Via:			Comments:			Shipped Via:		
Received for TestAmerica by: Angie Mueller	Date 11/7/15	Time 9:45	Temperature Upon Receipt:			Laboratory Comments:		

Page 15 of 16

11/12/2015

Login Sample Receipt Checklist

Client: RDG Geoscience & Engineering

Job Number: 310-68521-1
SDG Number: Carter Lake, IA

Login Number: 68521
List Number: 1
Creator: Muehling, Angela C

List Source: TestAmerica Cedar Falls

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 310-68521-1

SDG Number: Carter Lake, IA

Job Description: TSL Trucking

For:
RDG Geoscience & Engineering
10360 Sapp Bros. Dr.
Omaha, NE 68138

Attention: Kris LeVier

Angela Muehling

Approved for release.
Angela C Muehling
Project Manager I
11/12/2015 3:33 PM

Angela C Muehling, Project Manager I
704 Enterprise Drive, Cedar Falls, IA, 50613
angela.muehling@testamericainc.com
11/12/2015

Report Date: 12-Nov-2015 13:59:30 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Cedar Falls
Target Compound Quantitation Report

Data File: \\chromna\cedarfalls\ChromData\Ivy-F\20151111-25686.b\111115_IVYFRONT_032dat-Front Signal.d
Lims ID: 310-68521-A-1-A Lab Sample ID: 310-68521-1
Client ID: Excavation
Sample Type: Client
Inject. Date: 11-Nov-2015 18:59:00 ALS Bottle#: 0 Worklist Smp#: 24
Injection Vol: 1.0 ul Dil. Factor: 10.0000
Sample Info: 310-0025686-024
Misc. Info.: 310-0025686-024
Operator ID: System Instrument ID: Ivy-F

Method: \\chromna\cedarfalls\ChromData\Ivy-F\20151111-25686.b\IvyFront.m
Limit Group: GC OA2 ICAL
Last Update: 12-Nov-2015 13:58:38 Calib Date: 11-Sep-2015 13:26:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\cedarfalls\ChromData\Ivy-F\20150911-24108.b\091115_IVYFRONT_014dat-Front Signal.d

Column 1 : Det: 060815_BATMANFRONT_003dat-BatmanFr
Process Host: XAWRK027

First Level Reviewer: scarfll Date: 12-Nov-2015 11:32:42

RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/ml	Flags
A 1 Diesel					M
2.742	(1.130-4.354)		108179401	3527.3	M
$ 11 n-Octacosane					
4.407	4.445	-0.038	156094	5.95	

QC Flag Legend

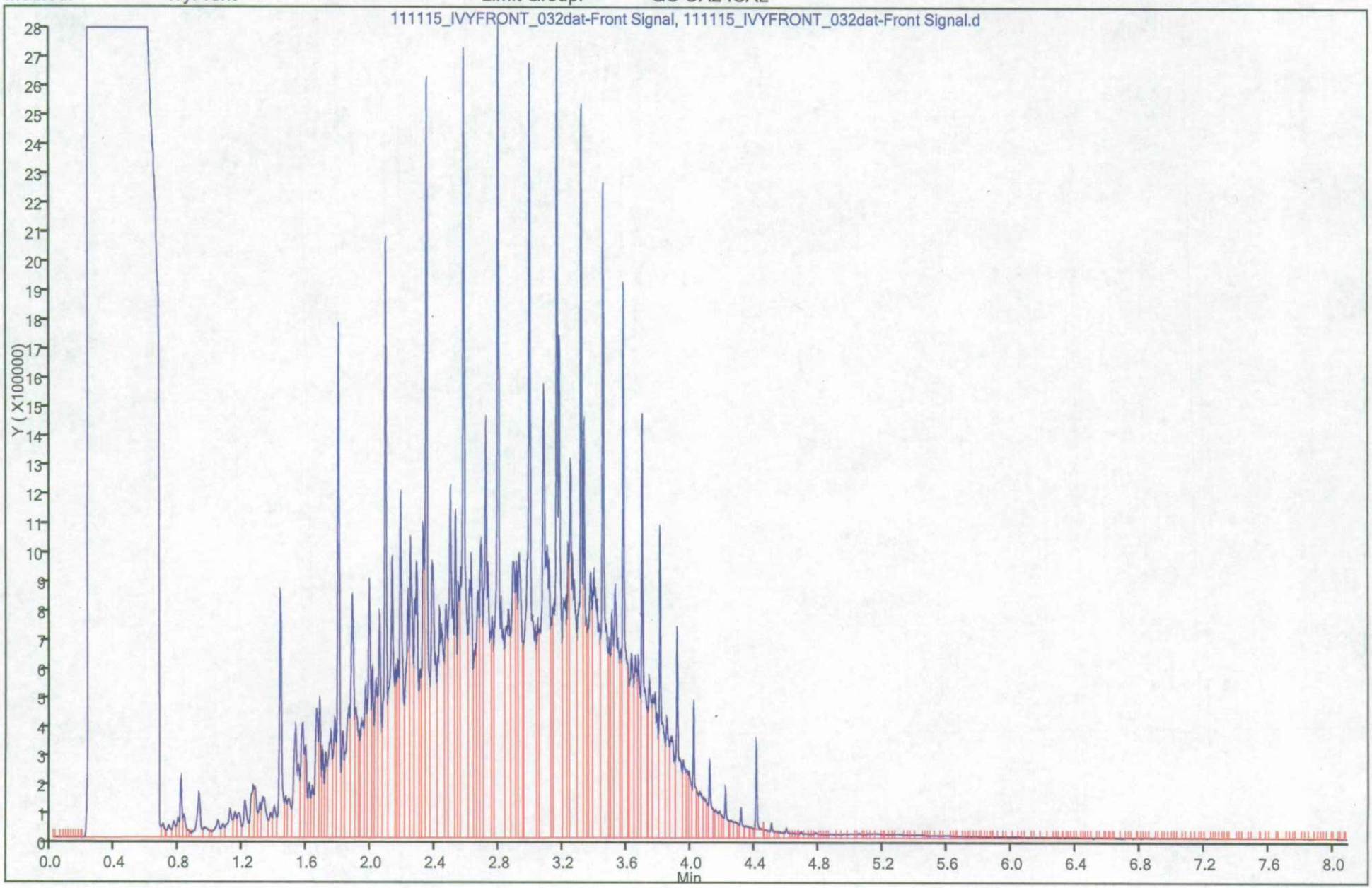
Review Flags
M - Manually Integrated

Report Date: 12-Nov-2015 13:59:30 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Cedar Falls

Data File: \\chromna\cedarfalls\ChromData\Ivy-F\20151111-25686.b\111115_IVYFRONT_032dat-Front Signal.d

Injection Date:	11-Nov-2015 18:59:00	Instrument ID:	Ivy-F	Operator ID:	System
Lims ID:	310-68521-A-1-A	Lab Sample ID:	310-68521-1	Worklist Smp#:	24
Client ID:	Excavation				
Injection Vol:	1.0 ul	Dil. Factor:	10.0000	ALS Bottle#:	0
Method:	IvyFront	Limit Group:	GC OA2 ICAL		

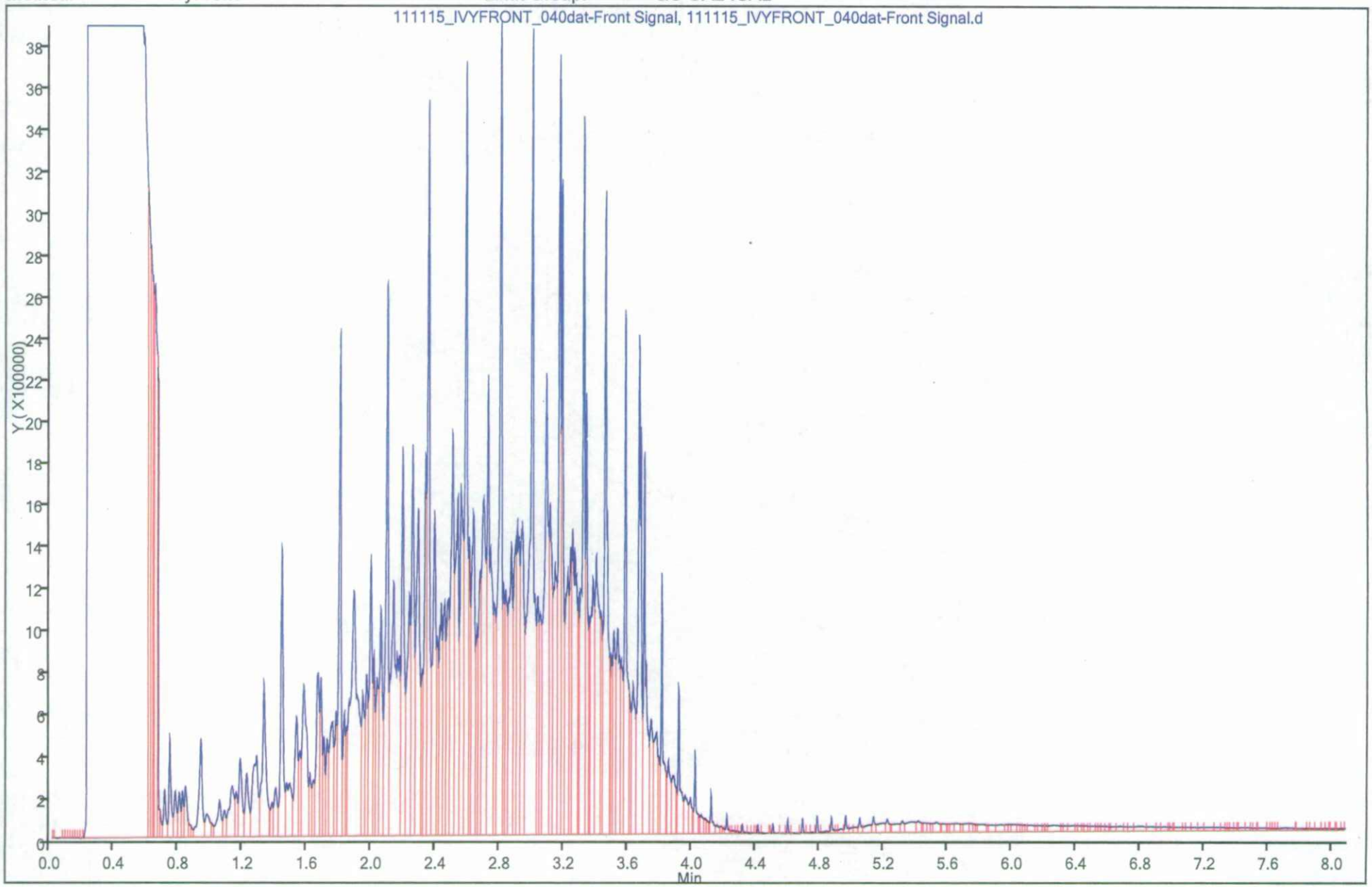


Report Date: 12-Nov-2015 13:56:11 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Cedar Falls

Data File: \\chromna\cedarfalls\ChromData\Ivy-F\20151111-25686.b\111115_IVYFRONT_040dat-Front Signal.d

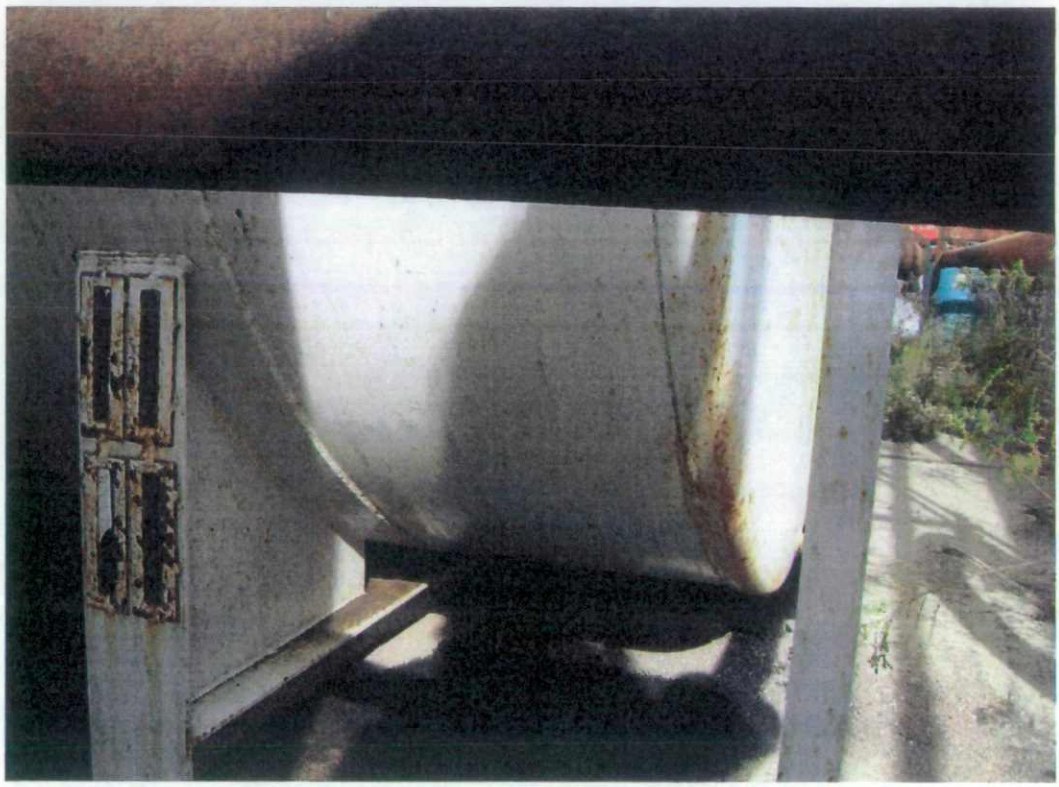
Injection Date:	11-Nov-2015 20:51:00	Instrument ID:	Ivy-F	Operator ID:	System
Lims ID:	CCV			Worklist Smp#:	32
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	IvyFront	Limit Group:	GC OA2 ICAL		



Appendix D

Photographs

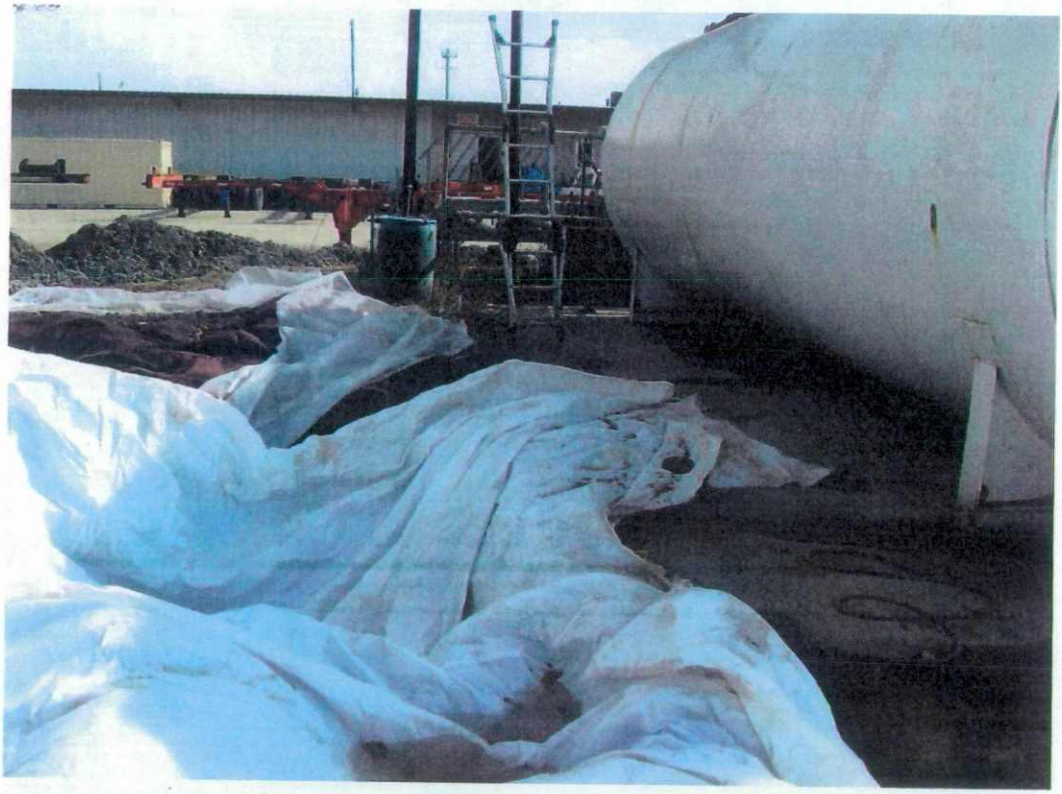
View is to the east of the above ground storage tanks (ASTs). Plastic cover was placed on the soil surrounding the concrete pad due to rain in the forecast.



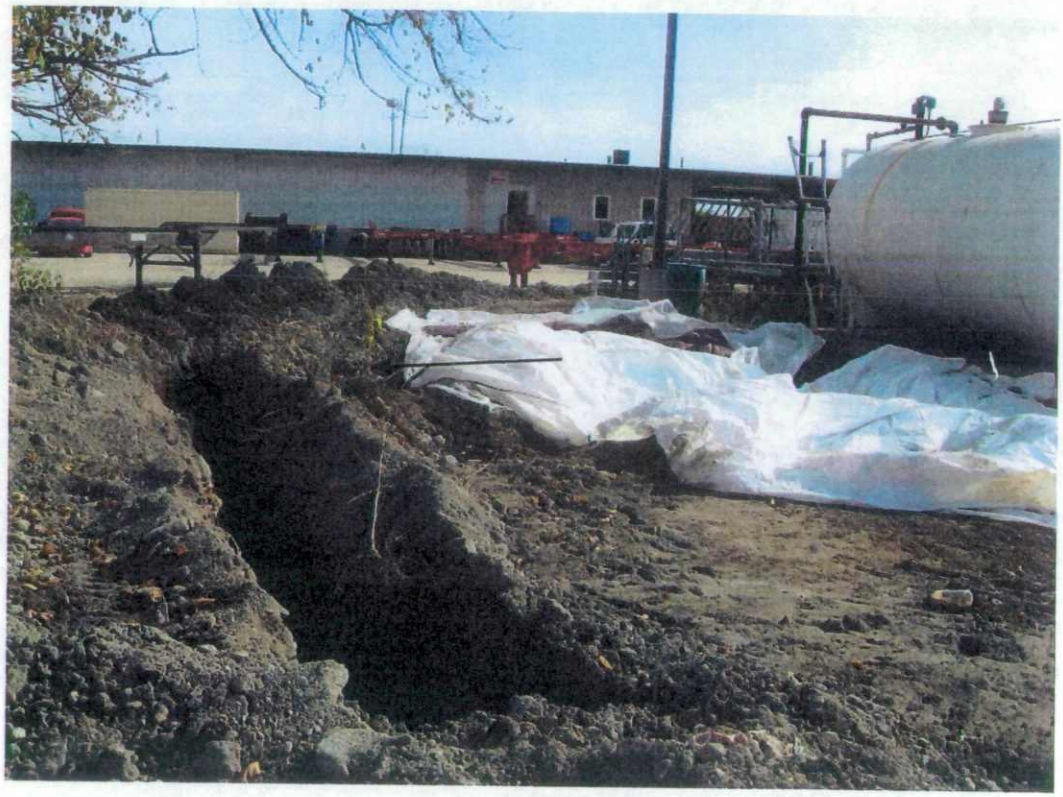
View is of the fuel stains on the concrete pad under the tanks.

View is of the concrete pad and soil on the east side beneath the fueling station.

View is of the soil under the plastic on the south side of the tanks. The concrete pad is visible in the right portion of this photo.



View is of the north side of the tanks. Soil had been removed to approximately 3-feet and is covered with plastic. Fuel stains can be seen under the AST. The fueling station is at the far end of the tank.



View is of the interceptor trench located north of the ASTs. The post shown at the arrow marks the edge of the fuel spill in the soil.

View is of the west side of the ASTs. Soil beneath the plastic was removed to approximately 3-feet at the edge of the concrete pad. The trucks holding the excavated soil can be seen in the background. The soil was eventually transported to the Pheasant Point Landfill in Douglas County.

Over Excavation Activities

View is of the beginning of the excavation activities, as soil is removed in 2-foot increments.

View is looking to the west as excavation continues on the north side of the tank system.

View is to the north as excavation continues. The marker showing the extent of the spill is seen in this photo. Piles of clean fill material can be seen in the upper left in this picture.

View is of the debris and logs being removed from the north side of the tanks. Broken glass, bottles, bricks, and plastic pieces can be seen at the bottom of the trench to the right in this photo.

View is of the sheen on the groundwater at the north side of the tanks. Soil removal continued from an area measuring 10'x16', and a groundwater sample was collected for laboratory analysis.

Clean fill material was placed in the excavation on the north side, and soil removal continued to the west side of the tank system. The north 20-feet of this trench was dug to 6.5-feet, and was deeper at the southwest end of the trench.

View is of the south side of the tank system after the plastic was removed. The concrete pad is visible to the right in this photo.

View is of the south side of the tank system. The berm soil was pushed into this area to absorb the fuel and water prior to removal.

View is of the soil removed from under the fueling station.

View is of the repaired pipe fitting at the fuel station.