**Site Name: Total Petroleum Hydrocarbon (TPH) - Proposed Kwik Trip #569**

Initial Site Screening (ISS)

CON 12-15
DOC# 32557

Project Manager: Nellesen

Date: 01/16/17

☐ **3931 - Phase II Assessment Review – Brownfield Funded**
Phase II submitted as part of standard real estate development, pre-purchase agreement, or other due diligence, not a part of a community grant project, or

☐ **3837 - Phase II Assessment – Brownfield Grant Funded**
Phase II submitted as part of an EPA grant funded community-wide or targeted assessment project – see Mel Pins if questions on this determination, or

☒ **3321 - Phase II Assessment Review – CERCLA Pre-Remedial Funded**
Phase II submitted that is not part of a real estate transaction

***Location:***

*Latitude: 42.456242 Longitude: -92.375359* ***County**: Black Hawk*
*(Decimal Degree format)*

***USGS Quadrant: Waterloo South***

***Site Size: 3.21***

***Site Dimension:*** ☒ Acres ☐ Square Feet ☐ Feet ☐ Square Miles ☐ Miles

***Site Alias Name(s): _____***

***Congressional District: Iowa 1st***

***Grant Recipient Name, Address & Contact: _____***

***Current Owner & Address: Leondorf LLC, 209 Washington St., Denver IA 50622***

***Responsible Party Name(s) & Address, if different from current owner:***
***Same***

***Site Street Address or Tier, Range, Section & Subsections (if street address is unknown)***
***Proposed Kwik Trip #569, 4125 Ansborough Ave, Waterloo IA 50701***

***Directions to site: From Des Moines take I-35N and US-20E to Ansborough Ave in Waterloo. Take exit 229 from US-20E onto Ansborough Ave to Fisher Drive.***

***Summarize the site history (past usages, past ownerships, wastes, known or suspected contamination pathways such as tanks, septic tank/tile field, lagoon, land applications, S.W. burial, etc)***

The site is made up of two parcels that together comprise 3.21 acres of land. The two parcels are separated by Fisher Drive (see Figure 1). This site has been agricultural since 1930's. In the 1950's a farmstead was established on the south parcel. In 2007, the house was removed from the property. Since then some agricultural top soil removed from surrounding properties has been stored on the site.

***Briefly describe the site assessment that was conducted (number of borings, monitoring wells, number of samples, depth of soil samples and monitoring wells, analysis, etc.)***

On June 28 and July 5, 2016 seven soil borings were advanced (five borings in the south parcel and two borings in the north parcel). Soil samples from each borehole were field screened using a photoionization detector (PID). Elevated PID readings (above 10 ppm) were not detected at any of the borings. Soil samples were collected for laboratory analysis from each of the following locations and depths: TMW-1(9-10 ft. below ground surface (bgs)), TMW-2 (5-6 ft. bgs), TMW-3 (4-5 ft. bgs), TMW-4 (7-8 ft. bgs), TMW-5 (4-5 ft. bgs), B-6 (2-3 ft. bgs), and B-7 (2-3 ft. bgs). See Figure 2 for boring locations. After the borings were terminated at a depth of 20-25 ft. bgs, a temporary well was inserted. Disposable bailers were used to purge the groundwater from the temporary wells, then collect a sample and place into laboratory-provided containers.

Soil and groundwater samples were analyzed for volatile organic compounds (VOCs) by EPA Method 8260 and total extractable hydrocarbons (TEH) by Iowa Method OA-2.

***Summarize the findings and conclusions regarding the contaminants found and their extent and concentrations. Relate those values to known criteria such as statewide standards, MCLs, water quality standards, background levels or other benchmarks used to determine site priority.***

Seven groundwater samples and seven soil samples were analyzed for VOCs and TEH compounds. Although a few chemicals were detected, none were found in concentrations greater than Iowa DNR Land Recycling Program Standards.

***Identify on-site or off-site potential and actual targets (e.g., municipal wells, private wells, drinking water intakes). What is known of the neighboring area, i.e., are there residences, businesses, public use areas, etc.? Are there utility lines that could be impacted by site contaminants? Identify any other use/location issues that deserve consideration.***

An office building occupied by University of Iowa Community Credit Union is north of the site. To the east of site is Tower Park Drive and Veterans Affairs Outpatient Clinic. An office occupied by Grainger adjoins the southern portion of the site to the east. US Highway 20 corridor is located to the south of the site. There's an office complex to the west of the site across Ansborough Avenue.

Iowa DNR Facility Explorer indicates there is one inactive well within 1,000 ft. of the site. Utilities run in the right of way of Fisher Drive (in between the north and south parcels). Sulentic Park is approximately 1700 ft. to the North/Northwest of the site. This park has soccer fields and a playground.

***Rate the site on a scale of 1 to 4, in decreasing order of severity or priority.***
4

***Summarize the reasoning, knowledge or any other information used in determining your recommendation regarding the priority assigned to this site.***

Soil and groundwater concentrations do not exceed Iowa DNR Land Recycling Program Standards for soil and groundwater. As such, no further action is required at this time.

A risk calculation for exposure to indoor air was conducted by IDNR utilizing the EPA Vapor Intrusion Screening Level (VISL) model. The highest groundwater contaminant concentrations were screened with VISL to produce calculated indoor air concentrations that were then entered into the Iowa DNR Risk Calculator for exposure to indoor air. The results of the vapor intrusion screening indicate that the site would not exceed the cumulative cancer risk for site resident, site worker, and construction worker exposure scenarios. Based on the current site usage, additional investigation is not required at this time.

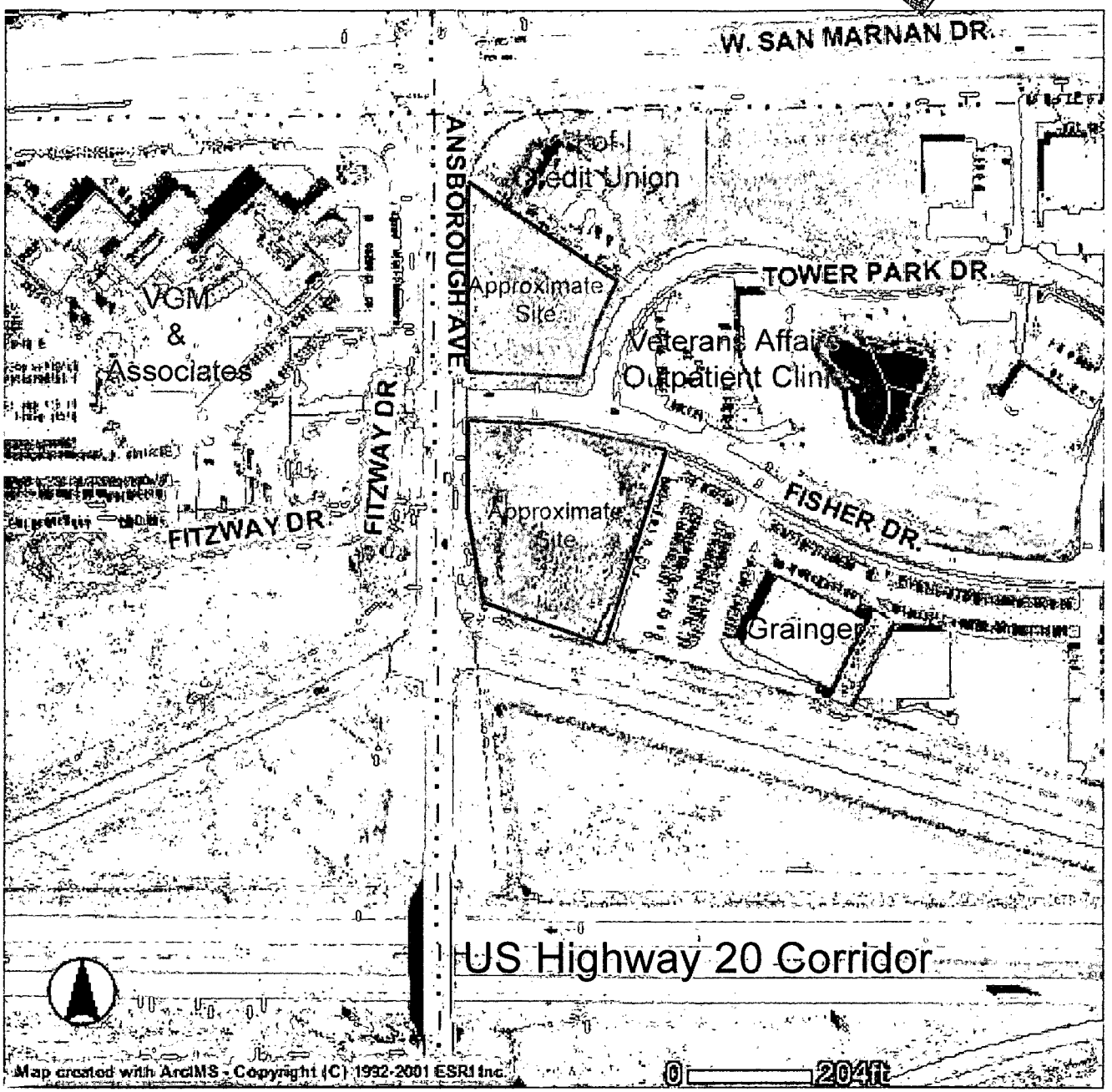
**Site recommended for:**

- ☒ No further action
- ☐ Additional investigation under state program (activity code 2824)
- ☐ Additional investigation under CERCLA (Extended Site Screening)
- ☐ Transfer to LUST/UST

**Form Reviewed:** Amie Davidson **Date Reviewed:** 1-17-17

Revised 3/2015

Map




Grainger – 827 Fisher Drive
VGM & Associates – 1111 West San Marnan Drive
University of Iowa Community Credit Union – 930 Tower Park Drive
Veterans Affairs Outpatient Clinic – 945 Tower Park Drive

N

| | | | | |
|---|---|---|---|---|
| Project Manager: DCC<br>Drawn by: DCC<br>Checked by: DCC<br>Approved by: DCC | Project No. 13167070<br>Scale: GRAPHIC<br>File Name:<br>Date: 6/23/16 | Terracon<br>Consulting Engineers & Scientists<br>3105 Capital Way Suite 5 Cedar Falls, Iowa 50613<br>PH. (319) 277-4016 FAX. (319) 277-4320 | SITE DIAGRAM<br>Proposed Kwik Trip #569<br>Lot 1 and 7 County Club Business Center Addition<br>Waterloo, Iowa | Exhibit<br>2 |

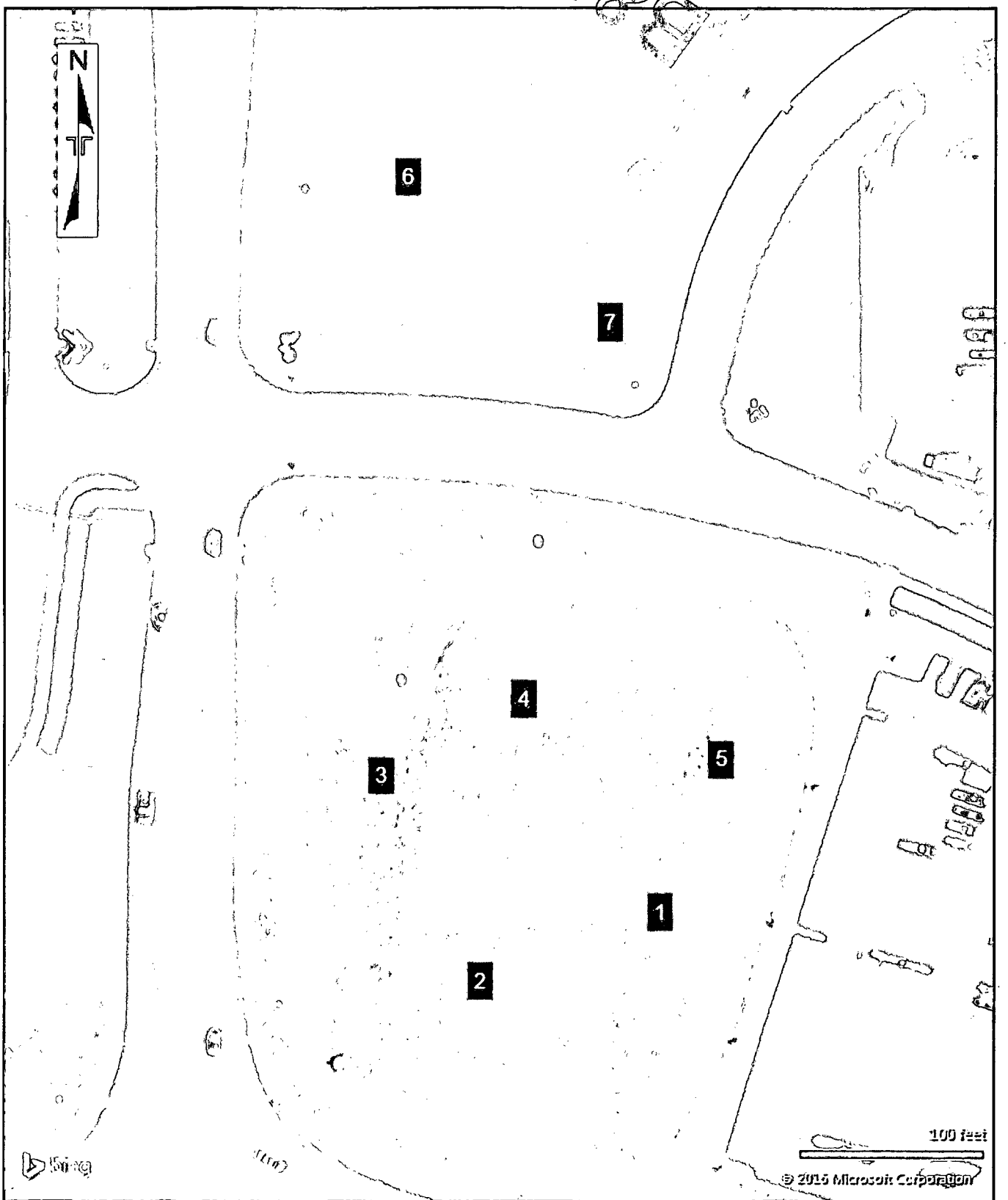



DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES

AERIAL PHOTOGRAPHY PROVIDED BY MICROSOFT BING MAPS

| | | | | |
|---|---|---|---|---|
| Project Manager: DCC | Project No. 13167070 | Terracon<br>3105 Capital Way Ste 5<br>Cedar Falls, IA 50613-7030 | EXPLORATION PLAN<br>Kwik Trip #569<br>4125 Ansborough Avenue<br>Waterloo, IA | Exhibit<br>A-2 |
| Drawn by: JLF | Scale: AS SHOWN | | | |
| Checked by: DCC | File Name: 13167070 BLD | | | |
| Approved by: DCC | Date: 07/12/2016 | | | |

IOWA DEPARTMENT OF NATURAL RESOURCES CUMULATIVE RISK CALCULATOR



## Cumulative Risk Results

Date: 1/12/2017

| Chemical | CASRN | Exposure Point Concentration for Air ($mg/m^3$) | Site-Specific Background Air Level* ($mg/m^3$) |
|---|---|---|---|
| Acetone | 000067-64-1 | .0000042 | |
| Benzene | 000071-43-2 | .00000134 | |
| Carbon Disulfide | 000075-15-0 | .0000279 | |
| Dichlorodifluoromethane | 000075-71-8 | .00329 | |
| Ethylbenzene | 000100-41-4 | .0000258 | |
| Methyl Isobutyl Ketone | 000108-10-1 | .00000105 | |
| Methylene Chloride (Dichloromethane) | 000075-09-2 | .0000485 | |
| Methyl tert-Butyl Ether (MTBE) | 001634-04-4 | .00000149 | |
| Naphthalene | 000091-20-3 | .00000381 | |
| Toluene | 000108-88-3 | .0000239 | |
| Trichlorofluoromethane | 000075-69-4 | .0101 | |
| Trimethylbenzene, 1,2,4- | 000095-63-6 | .00000955 | |

Cancer Risk Output

| Chemical Name | CASRN | Resident Air |
|---|---|---|
| Benzene | 000071-43-2 | 0 |
| Methylene Chloride (Dichloromethane) | 000075-09-2 | 0 |
| Naphthalene | 000091-20-3 | NQ |
| TOTALS: | | 0 |

Cumulative Cancer Risk Site Resident: 0 (All cancer risk values are x $10^{-4}$)

*Site Resident-Non Cancer Risk Output by target organ*

| Chemical Name | CASRN | Media | Heart | Liver | Blood | Kidney | Skin | Endoc | Eye | Immu | Nerve | GenUr | Respi | Other | Devel | Gastro |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Acetone | 000067-64-1 | | | | | | | | | | | | | | | |
| | | Air | | | | | | | | | 0 | | | | | |
| Benzene | 000071-43-2 | | | | | | | | | | | | | | | |
| | | Air | | | 0 | | | | | 0 | | | | | | |
| Carbon Disulfide | 000075-15-0 | | | | | | | | | | | | | | | |
| | | Air | | | | | | | | | 0 | | | | | |
| Dichlorodifluoromethane | 000075-71-8 | | | | | | | | | | | | | | | |
| | | Air | | 0.02 | | | | | | | | | | | | |
| Ethylbenzene | 000100-41-4 | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Air | | | | 0 | | | | | | 0 | | | | | | 0 | |
| Methyl Isobutyl Ketone | 000108-10-1 | | | | | | | | | | | | | | | | | | |
| | | Air | | 0 | | 0 | | | | | | | | | | 0 | | 0 | |
| Methylene Chloride (Dichloromethane) | 000075-09-2 | | | | | | | | | | | | | | | | | | |
| | | Air | | 0 | | | | | | | | 0 | | | | | | | |
| Methyl tert-Butyl Ether (MTBE) | 001634-04-4 | | | | | | | | | | | | | | | | | | |
| | | Air | | 0 | | 0 | | 0 | | 0 | | | | | | 0 | | | |
| Naphthalene | 000091-20-3 | | | | | | | | | | | | | | | | | | |
| | | Air | | | | | | | | | | | | 0 | | | | | |
| Toluene | 000108-88-3 | | | | | | | | | | | | | | | | | | |
| | | Air | | | | | | | | | | 0 | | | | | | | |
| Trichlorofluoromethane | 000075-69-4 | | | | | | | | | | | | | | | | | | |
| | | Air | | | | 0.01 | | | | | | | | 0.01 | | | | | |
| Trimethylbenzene, 1,2,4- | 000095-63-6 | | | | | | | | | | | | | | | | | | |
| | | Air | | | | | | | | | | | | | | 0 | | | |
| | | Sum: | 0 | 0.02 | 0 | 0.01 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.01 | 0 | 0 | 0 | | |

Interpretation of Results Summary[2]
Values associated with "Cumulative Cancer Risk" and non-cancer "Sum" that are less than or equal to 1.00 are within acceptable cumulative risk levels.
NQ means not quantifiable due to lack of a cancer slope factor.

Well Search

Print | Help |

## Well Search Report

| Included in search | No. of wells | Database |
|---|---|---|
| X | 0 | IGS well database<br>General well database maintained by IGS, location accuracy varies 3,730 to 25 ft., last updated 8/2005. |
| X | 0 | Public wells<br>Muncipal and nonmunicipal public well databases maintained by IGS, location varies 3,730 to 25 ft., under development. |
| X | 0 | SDWIS public wells<br>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 | 1 | Private well tracking system<br>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<br>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<br>Wells permitted under Grant-to-Counties program. Locational accuracy varies 1150 to 150 m.; Last update 9/2001, no future updates planned. |
| X | 0 | Registered abandoned wells<br>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<br>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<br>Locational accuracy 220 m., last updated 8/96. |
| X | 0 | Ag drainage wells<br>Locational accuracy 100 m., last updated 4/98. |

## Well Search Detail

**Subject:** XY UTM Coordinates: 551433/4700645
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 |
|---|---|---|---|---|---|---|---|---|
| 140728 | 2132379 | T88N, R13W, Sec. 9, NW, NW, SW | nom. +/- 25m. | 168 (m) | 154 | 1/1/1950 | Cardinal Construction | Status: Inactive |

**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 |
|---|---|---|---|---|---|---|---|---|
| No records found from this data source | | | | | | | | |

**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**

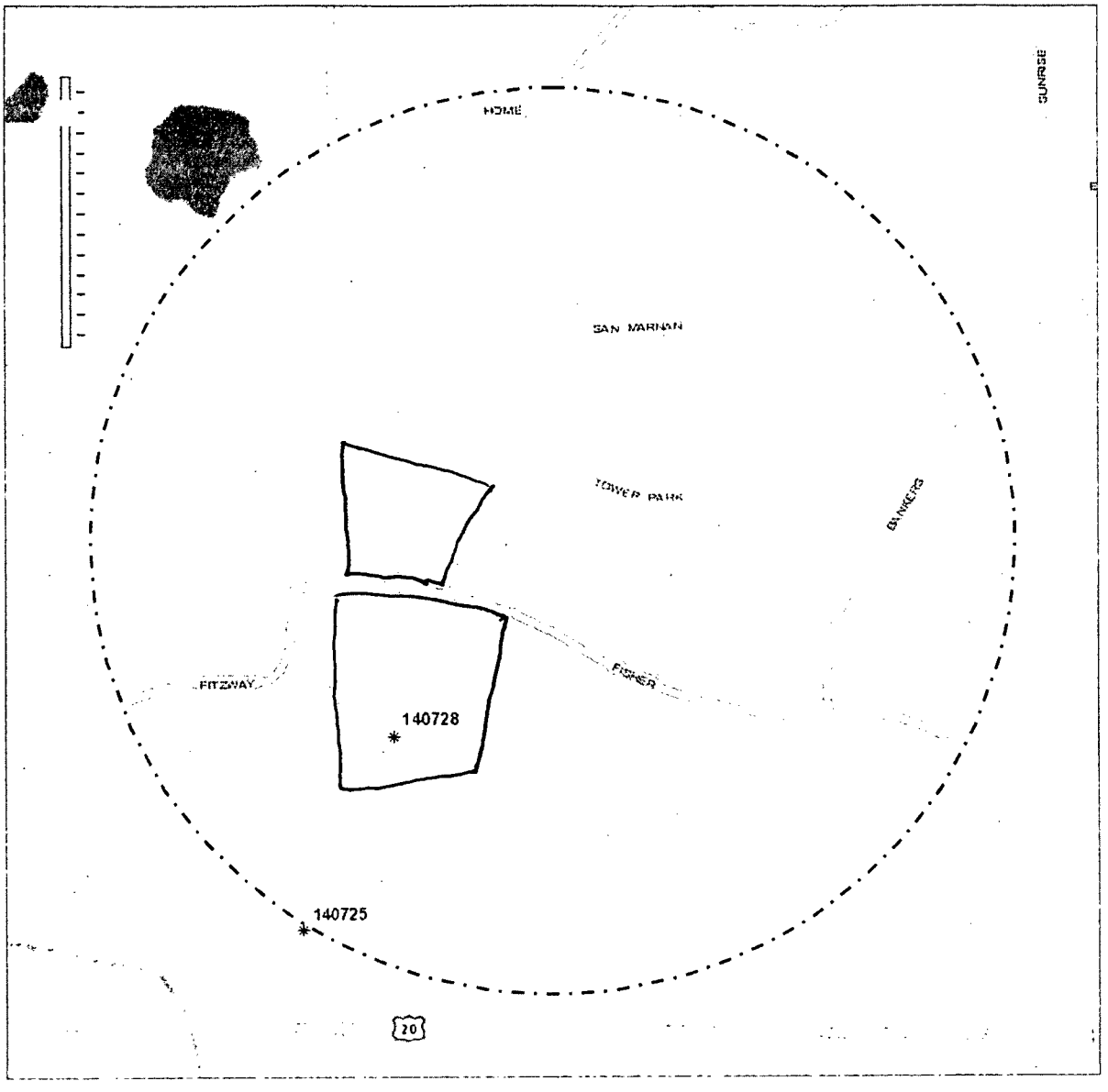
| Map ID | Well No. | Location | Accuracy | Dist. From Point | Well Depth | Construction/ Permit Date | Owner/Permittees | Other Information |
|---|---|---|---|---|---|---|---|---|
| No records found from this data source | | | | | | | | |

**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: 551433/4700645
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.

# PRE-CERCLIS SCREENING ASSESSMENT CHECKLIST/DECISION FORM

This checklist can assist the site investigator during the Pre-CERCLIS screening. It will be used to determine whether further steps in the site investigation process are required under CERCLA. Use additional sheets, if necessary.

**Checklist Preparer:** Nellesen (Name/Title) 1/13/17 (Date)
502 E 9th St., Des Moines, IA 50312 (Address) (515)725-8372 (Phone)
shelly.nellesen@dnr.iowa.gov (E-mail Address)

**Site Name:** TPH-Proposed Kwik Trip - Waterloo

**Previous Names (if any):**

**Site Location:** 4125 Ansborough Ave
Waterloo (City) IA (ST) 50701 (Zip)

**Latitude:** 42.456242 **Longitude:** -92.375359

| Compare the following checklist. If "yes" is marked, please explain below. | YES | NO |
|---|---|---|
| 1. Does the site already appear in CERCLIS? | ☐ | ☒ |
| 2. Is the release from products that are part of the structure of, and result in exposure within, residential buildings or businesses or community structures? | ☐ | ☒ |
| 3. Does the site consist of a release of a naturally occurring substance in its unaltered form, or altered solely through naturally occurring processes or phenomena, from a location where it is naturally found? | ☐ | ☒ |
| 4. Is the release into a public or private drinking water supply due to deterioration of the system through ordinary use? | ☐ | ☒ |
| 5. Is some other program actively involved with the site (i.e., another Federal, State, or Tribal program)? | ☐ | ☒ |
| 6. Are the hazardous substances potentially released at the site regulated under a statutory exclusion (i.e., petroleum, natural gas, natural gas liquids, synthetic gas usable for fuel, normal application of fertilizer, release located in a workplace, naturally occurring, or regulated by the NRC, UMTRCA, or OSHA)? | ☐ | ☒ |
| 7. Are the hazardous substances potentially released at the site excluded by policy considerations (e.g., deferral to RCRA Corrective Action)? | ☐ | ☒ |
| 8. Is there sufficient documentation that clearly demonstrates that there is no potential for a release that could cause adverse environmental or human health impacts (e.g., comprehensive remedial investigation equivalent data showing no release above ARARs, completed removal action, documentation showing that no hazardous substance release have occurred, EPA approved risk assessment completed)? | ☐ | ☒ |

**Please explain all "yes" answer(s), attach additional sheets if necessary:**

**Site Determination:**

☐ Enter the site into CERCLIS. Further assessment is recommended (Explain below).

☒ The site is not recommended for placement into CERCLIS (Explain below).

☐ Further assessment is recommended under PRE-CERCLA (Explain below).

**DECISION/DISCUSSION/RATIONALE:**
Soil and groundwater concentrations do not exceed Iowa DNR Standards. As such, no further action is required at this time.

**Regional EPA Reviewer:**

Print Name/Signature | Date

**State Agency/Tribe:** Amie Davidson Amie Davidson 1-17-17

Print Name/Signature | Date

# REGION VII U.S. EPA SUPERFUND
NO DISCOVERY DATE

# PRE-CERCLIS INITIATION FORM
NPL Status = O-NOT A VALID SITE OR INCIDENT

Site Name: TPH-Proposed Kwik Trip  Identified By: ☐ Removal ☐ Site Assessment ☐ Federal Facilities ☐ States ☐ Other Federal Agency  Check if: ☐ FUD Site

Address: 4125 Ansborough Ave  County Name: Black Hawk

City, State, Zip: Waterloo, IA 50701  State ID (if one exists): ____  Congressional District: Iowa 1st

NPL Status: = : Not a Valid Site or Incident  Federal Facility Indicator: ☐ Federal Facility ☒ Not a Federal Facility ☐ Status Undetermined

Section: ☐ C-(STAR) SPFD Technical Assistance/Re-Use Branch ☐ L-(EFLR) Enfr/Fund Lead RV Branch ☐ F-(FFSE) Federal Facilities/Special Emphasis Branch ☐ M-(MOKS) MO/KS remedial Branch ☒ I-(IANE) IA/NE Remedial Branch ☐ O-(ER&R) Emergency Response & RV Branch

List Site Alias Name (s): ____

Directions to Site: From Des Moines take I-35N and US-20E to Ansborough Ave in Waterloo. Take exit 229 from US-20E onto Ansborough Ave to Fisher Drive.

Site Description: 3.21 acre site that has historically been agricultural

USGS Quadrant: Waterloo South USGS Hydro Unit: ____

Latitude: 42.456242  Longitude: -92.375359
(Decimal Degree format) (with release of 3.17 see attached required location data form)

Lat/Long Accuracy: ☐ Seconds ☐ Miles ☐ Feet ☒ Degrees ☐ Minutes ☐ Kilometers ☐ Meters

Owner Operator Type
- ☐ Bank/Loan Company
- ☐ County Owned
- ☐ District Owned
- ☐ Federally-Owned
- ☐ Former Federally Owned or Operated
- ☐ Former Federally Owned or Operated
- ☐ Government Owned/Contractor Operated
- ☐ Privately Owned/Government Operated
- ☐ Property Defaulted Back to Government
- ☐ Brownfields/Public
- ☐ Municipality
- ☐ Other
- ☒ Private
- ☐ Mixed Ownership
- ☐ State Owned
- ☐ State Owned
- ☐ Trustee, Federal
- ☐ Trustee, State
- ☐ Unknown

Operational Status: ☐ Active ☐ Inactive ☒ Unknown ☐ Blank
Native American Interest: ☐ Yes ☐ No

Non-NPL Status (Choose one):

☒ Not a Valid Site or Incident
☐ Not a Valid Site or Incident: RCRA Lead
☐ Not a Valid Site or Incident: NRC Lead
☐ Not a Valid Site or Incident: State Lead
☐ Not a Valid Site or Incident: Tribal Lead

---

Add Action: OU_00_
PRE-CERCLIS SCREENING: Planned Complete: ____/____/____

Actual Complete: ____/____/____

Lead code (choose one)
☐ F-EPA Fund Financed ☐ FF - Federal Facility ☐ S - State, Fund Financed

SCAP Note: _____

---

Add below Action (if No Further Action):
OU_00_ Lead: EP
☐ PRE-CERCLIS ARCHIVE Actual Complete: ____/____/____
SCAP Note: _____
Comments: ☐ Site or ☐ Action: _____

Signatures:
States: Amie Davidson Date: 1/17/17 RPM/OSC/SAM: _____ Date __/__/__

Site Type: (Choose all that apply - for every main category chosen in bold at least one sub- category must be selected; if more than one main and sub-category is selected indicate which is primary):

Primary Designation: OT

☐ **MP-Manufacturing/Processing/Maintenance** - *Applicable sub-categories:*
- ☐ CA-Chemicals and allied products
- ☐ CG-Coal gasification
- ☐ CP-Coke production
- ☐ EP-Electric power generation and distribution.
- ☐ FT-Fabrics/textiles
- ☐ EE-Electronic/electrical equipment
- ☐ LW-Lumber and wood products/pulp and paper
- ☐ WP-Lumber and wood products/wood preserving/preserving/treatment
- ☐ MF-Metal fabrication/finishing/coating and allied industries
- ☐ OR-Oil and gas refining
- ☐ OP-Ordnance production
- ☐ PR-Plastics and rubber products
- ☐ PM-Primary metals/mineral processing
- ☐ RA-Radioactive products
- ☐ TA-Tanneries ☐ OT-Other-Description(needed):____
- ☐ TS-Trucks/ships/trains/aircraft and related components

☐ **MI-Mining** - *Applicable sub-categories*
- ☐ CO-Coal ☐ ME-Metals ☐ NM-Non-metal minerals
- ☐ OG-Oil and Gas ☐ OT-Other-Description(needed):____

☐ **WM-Waste Management** - *Applicable sub-categories*
- ☐ CL-Co-disposal landfill (municipal and industrial)
- ☐ ID-Illegal disposal/open dump
- ☐ IF-Industrial waste facility (non-generator)
- ☐ MD-Mine tailings disposal ☐ OT-Other-Desc.(needed):____
- ☐ ML-Municipal solid waste landfill
- ☐ RW-Radioactive waste treatment, storage, disposal (non-generator)

☒ **OT-Other** - *Applicable sub-categories*
- ☒ AG-Agricultural (e/g.,grain elevator)
- ☐ CS-Contaminated sediment site with no identifiable source
- ☐ DC-Dust control ☐ OT-Other-Desc (needed):____
- ☐ GP-Ground water plume site with no identifiable source
- ☐ MO-Military/Other Ordinance
- ☐ PS-Product Storage/distribution
- ☐ RD-Research,development,and testing facility
- ☐ RC-Retail/commercial
- ☐ SE-Spill or other one-time event
- ☐ TP-Transportation (e.g., railroad yards, airport, barge docking, site)
- ☐ TW-Treatment works/septic tanks/other sewage treatment

☐ **RE-Recycling** - *Applicable sub-categories*
- ☐ AT-Automobiles/tires ☐ DT-Drums/tanks ☐ WO-Waste/used
- ☐ BS-Batteries/scrap metals/secondary smelting/precious metal recovery
- ☐ CC-Chemicals/chemical waste (e.g., solvent recovery)
- ☐ OT-Other-Description(needed):____

Updated by The Newberry Group/Last Update: 01/08/2008

(NOTE: Data analysts will send form to records center after data entry and QA.)

Updated by Systems Research Group
03MAR06

**REGION VII**
**U.S. ENVIRONMENTAL PROTECTION AGENCY**

ENFORCEMENT SENSITIVE INFORMATION
FOR INTERNAL USE ONLY

## LOCATION FORM - *(Required information highlighted in red)*

SITE NAME: TPH - Proposed Kwik Trip EPA ID: _____

Latitude: 42.456242 Longitude: -92.375359 **Measurement Sequence:** _____
*(Decimal Decree format)* (See Comment A)

**Lat/Long Source:**
- ☐ Contractor
- ☐ Dun & Bradstreet
- ☐ EPA Region 7
- ☐ Geograph
- ☐ Other Federal Agency
- ☐ Regulated Entity
- ☒ State
- ☐ EPA Headquarters
- ☐ Epic
- ☐ Other
- ☐ Private
- ☐ SNAP
- ☐ Tribe
- ☐ Unknown
- ☐ (Blank)

**Designate Lat/Long:** ☐ Primary ☐ NPL Coordinate

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**Collection Method:**
- ☐ Address Matching -House Number
- ☐ Address Matching - Block Face
- ☐ Address Matching - Street Centerline
- ☐ Address Matching -Nearest Intersection
- ☐ Address Matching - Primary Name
- ☐ Address Matching - Digitized
- ☐ Address Matching - Other
- ☐ Census Block - 1990 - Centroid
- ☐ Census Block/Group 1990-Centroid
- ☐ Census Block/Tract - 1990 - Centroid
- ☐ Classical Surveying Techniques
- ☐ Census - Other
- ☐ GPS Carrier Phase Static Relative Position
- ☐ GPS Carrier Phase Kinematic Relative Position
- ☐ GPS, with Canadian Active Control System
- ☐ GPS Code (Pseudo Range) Differential
- ☐ GPS Code (Pseudo Range) Precise Position
- ☐ GPS Code (Pseudo Range) Standard Position (SA-Off)
- ☐ GPS Code (Pseudo Range) Standard Position Service SA-On
- ☐ GPS-Unspecified
- ☐ Interpolation-Digital Map Source (TIGER)
- ☐ Interpolation-Map
- ☐ Interpolation -MSS
- ☒ Interpolation -Photo
- ☐ Interpolation – Satellite
- ☐ Interpolation - SPOT
- ☐ Interpolation-TM
- ☐ Interpolation - Other
- ☐ LORAN C
- ☐ Public Land Survey-Eighth Section
- ☐ Public Land Survey-Footing
- ☐ Public Land Survey-Quarter Section
- ☐ Public Land Survey-Section
- ☐ Public Land Survey-Sixteenth Section
- ☐ ZIP+2 Centroid
- ☐ ZIP+4 Centroid
- ☐ ZIP Code - Centroid
- ☐ Unknown

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**Reference Point:**
- ☐ Administrative Building
- ☐ Air Monitoring Station
- ☐ Air Release Stack
- ☐ Air Release Vent
- ☐ Atmos. Emissions Trtmnt Unit
- ☐ Boundary Point
- ☐ Building Entrance
- ☐ Facility/Centroid Cent
- ☐ Facility/Station Bldg Entrance
- ☐ Intake Point
- ☐ Lagoon or Settling Pond
- ☐ Liquid Waste Treatment Unit
- ☐ Loading Area Centroid
- ☐ Loading Facility
- ☐ Monitoring Point
- ☐ NE Corner of Land Parcel
- ☐ NW Corner of Land Parcel
- ☐ Other
- ☐ Plant Entrance (Freight)
- ☐ Plant Entrance (General)
- ☐ Plant Entrance (Personnel)
- ☐ Process Unit Area Centroid
- ☐ Process Unit
- ☒ SE Corner of Land Parcel
- ☐ Solid Waste Storage Area
- ☐ Solid Waste Trtmnt/Disp. Unit
- ☐ Storage Tank
- ☐ SW Corner of Land Parcel
- ☐ Unknown
- ☐ Water Monitoring Station
- ☐ Water Release Pipe
- ☐ Well
- ☐ Well Protection Area
- ☐ Release Point
- ☐ Treatment/Storage Plant

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**Reference Datum:** ☐ NAD27 ☒ NAD83 ☐ Other ☐ Unknown ☐ WGS84

**Accuracy Meters +/-:** _____ ☒ Accuracy Unknown **Collection Date:** 01/10/17

**Verification Method:**
- ☐ Ground Truth Conducted
- ☐ Point in Polygon (Zip)
- ☐ Proximity to Polygon Centroid(Other)
- ☐ Verified Relative to Map Features (1:100K/Tiger)
- ☐ Verified Relative to Map Features (Other)
- ☐ Proximity to Polygon Centroid (County)
- ☐ Point In Polygon (County)
- ☐ Proximity to Alternative Facility Coordinate)
- ☐ Proximity to Polygon Centroid (Zip Code)
- ☐ Verified Relative to Map Features (1:24K)
- ☐ Verified, Unknown Method
- ☐ Point in Polygon (Other)
- ☐ Blank
- ☒ Not Verified

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**Point/ Line/ Area:** ☐ AREA ☐ LINE ☒ POINT ☐ REGION ☐ ROUTE ☐ (BLANK)

**Source Map Scale:** ☐ 1:10,000 ☐ 1:12,000 ☐ 1:15,840 ☐ 1;20,000 ☐ 1:24,000 ☐ 1:25,000 ☐ 1:50,000
☐ 1:62,500 ☐ 1:63,360 ☐ 1:100,000 ☐ 1:125,000 ☐ 1:250,000 ☐ 1:500,000 ☐ NONE ☒ UNKNOWN

☐ OTHER_____

COMMENTS:_____

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***Signatures:***

**RPM/OSC:** _____ **Date:** ____/____/____ **BRANCH CHIEF:**_____ **Date:** ____/____/____

A) A sequential number to indicate the order in which points on a line or area are connected. For an area, the maximum point is connected to the first. Required if the feature is polygonal or linear 3 numeric.

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*Updated by: The Newberry Group, Inc.*
*Last Update: 01/08/2008*