5/12/15

Site Name: Court Avenue Hy-Vee, Des Moines

Initial Site Screening (ISS)

CON 12-15
Doc #30870

Project Manager: Matt Culp
Date: May 12, 2015

☐ **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: 41.5843 *Longitude: 91.220* ***County**: Polk*
(Decimal Degree format)

USGS Quadrant: Des Moines SE

Site Size: 60,000

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

Site Alias Name(s): City of Des Moines Parking Lot

Congressional District: 3rd

Grant Recipient Name, Address & Contact: Not Applicable

Current Owner & Address: Knapp Properties Inc. 100 Water St, Des Moines, IA 50309

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

Site Street Address or Tier, Range, Section & Subsections (if street address is unknown): 420 Court Avenue Des Moines, Iowa 50309

Directions to site: Starting at the Iowa Department of Natural Resources office in the Wallace Building at 502 East 9th Street, travel west on Grand Avenue and turn south (left) on 3rd Street. Take 3rd Street to Court Avenue and turn right (west). The site is located on the corner of Court and 4th Street.

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)

Phase I Report:
As indicated in the Phase I report, the Court Avenue area in general and the subject property specifically, were first developed for commercial uses in the 1850s (Figure 1). Multiple businesses have existed on the site including; a newspaper and printing companies, grain storage and an agricultural implement shop. A gas station was located on or near the northeast corner of the subject property between 1940 and 1955. In 2006, this station and associated environmental conditions were investigated and addressed during the development of the Court Avenue Entertainment Center (Contaminated Sites site ID#513). The last structure removed from the subject site was a drive-thru bank that was removed from the property in 2001. The subject property is currently used only for surface parking. Past environmental assessments of the subject property are summarized below.

- In 1999, an environmental site investigation of the subject property detected elevated volatile organic compounds (VOCs) constituents of gasoline in one test boring on the southwest corner of the property.

- In 2003, a follow up Underground Storage Tank (UST) Tier 1 site investigation of the subject property was conducted and recommended a No Action Required classification which was issued to the city of Des Moines in 2004.

The current (2015) Phase I report identified three recognized environmental conditions (RECs) for further investigation by Phase II Environmental Site Assessment (ESA).

- A filling station located at 414-418 Court Avenue should be assessed for VOCs.

- Additional sampling of the southwest corner of the subject property that has historically had reports of elevated petroleum levels of undetermined origin.

- Soil and groundwater sampling of the northwest and west central portion of the property should be assessed for impacts from historic printing operations.

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.)

Phase II Site Investigation:
Nine soil borings were completed to depths from 25 to 30 feet. Soil samples were collected from each boring and field screened at 2.5 foot intervals utilizing a photo-ionization detector (PID) for the presence of potentially harmful organic compounds. The locations of the soil borings are indicated on Figure 2: Site Map.

Soil analysis - Soil samples from each of the nine borings were analyzed for the heavy metals barium, cadmium, chromium, lead, mercury and arsenic (a metalloid) utilizing EPA methods 6060B and 7471A. Soil samples from all nine soil borings were also analyzed for benzene, ethylbenzene, toluene and xylenes Iowa method OA-1 and for total extractable hydrocarbons as diesel fuel and waste oil by Iowa OA-2 method. Soil samples from 4 borings were analyzed utilizing EPA method 8270C for semi-volatile organic compounds (SVOCs) phenanthrene, anthracene, fluoranthene, pyrene, benzo(a)anthracene, chrysene, benzo(b)fluoranthene and benzo(a)pyrene.

Groundwater analysis - All nine soil borings were converted to temporary monitoring wells and groundwater samples were collected from each monitoring well. All groundwater samples were analyzed for VOCs by EPA method 8260B. Four groundwater samples were also analyzed for SVOCs by EPA method 8270C and four filtered samples analyzed for dissolved metals by EPA method 6010B and 7471A. Samples from all nine monitoring wells were analyzed for total extractable hydrocarbons as diesel fuel and waste oil 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.

Metals – Arsenic, barium, cadmium, chromium, lead and mercury were detected in soil and arsenic, barium and selenium were detected dissolved in groundwater. All metals in soil and groundwater were below the Statewide Standards from the Iowa Land Recycling Program.

Petroleum Hydrocarbons – Petroleum hydrocarbons were detected in five soil borings. Ethyl-benzene and xylenes were detected in soil at MW-3 and diesel fuel was detected in soil at MW-3 and MW-9. These detections were below the Underground Storage Tank program (UST) Tier 1 action levels. Waste Oil was detected in soil at MW- 2, MW-6, MW-8 and MW-9 but well below the LRP standard of 9,400 mg/kg. In groundwater, benzene, ethylbenzene and xylenes were detected at MW-3 and toluene detected at MW-2 and MW-3 below the UST Tier 1 action levels. Diesel fuel was detected at 3,400 ppb and waste oil was detected at 700 ppb at MW-2. These concentrations exceed the UST Tier 1 standards for groundwater ingestion of 1,200 ppb and 400 ppb respectively.

Semi-volatile Organics – Nine SVOCs were detected in three of the four samples, however benzo(a)pyrene is the only one detected above the LRP Statewide Standard of 0.31 mg/kg at concentrations of 0.44 mg/kg and 0.35 mg/kg in MW-2 and MW-5 respectively. No SVOCs were detected in groundwater.

Other VOCs – No VOCs, other than the benzene, ethylbenzene, toluene and xylenes (BTEX) were detected in soil or groundwater.

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.

- The surrounding land use has been historically commercial and industrial but in the last decade some has been converting over to high density urban residential apartments and condos.

- There are no on-site targets such as wells however the area could have a high density of buried utilities that are not identified or discussed in the Phase II.

- A search of DNR databases including Geographic Information System (GIS) data for potential off-site targets revealed several abandoned (plugged) wells, underground gas storage tanks and geo-thermal wells (Figure 1).

Rate the site on a scale of 1 to 4, in decreasing order of severity or priority.
3

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

The recommendation for priority 3 assignment of this site is based on the relatively low soil and groundwater contamination documented in the Phase II for the three RECs (describe in previous section) initially identified in the Phase I report. These RECs are listed again below.

- The level of contamination to soil from the former filling station located at 414-418 Court Avenue appears to be low.

- Additional sampling of the southwest corner of the subject property confirmed previously identified light petroleum contamination of undetermined origin.

- Soil and groundwater sampling of the northwest and west central portion of the property confirmed light contamination by petroleum but no evidence of effects from past printing operations.

Vapor Risk Calculation

A risk calculation for exposure to indoor air was conducted by IDNR utilizing the EPA Vapor Intrusion Screening Level (VISL) model. The highest groundwater concentrations for observed benzene, ethylbenzene and xylene were screened with Vapor Intrusion Screening Level (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. The VISL and DNR Risk Calculator work sheets are attached. Based on the proposed site usage, additional soil vapor investigation is not required.

Site recommended for:

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

Form Reviewed: _____ **Date Reviewed:** 5/18/15

Revised/3/2015

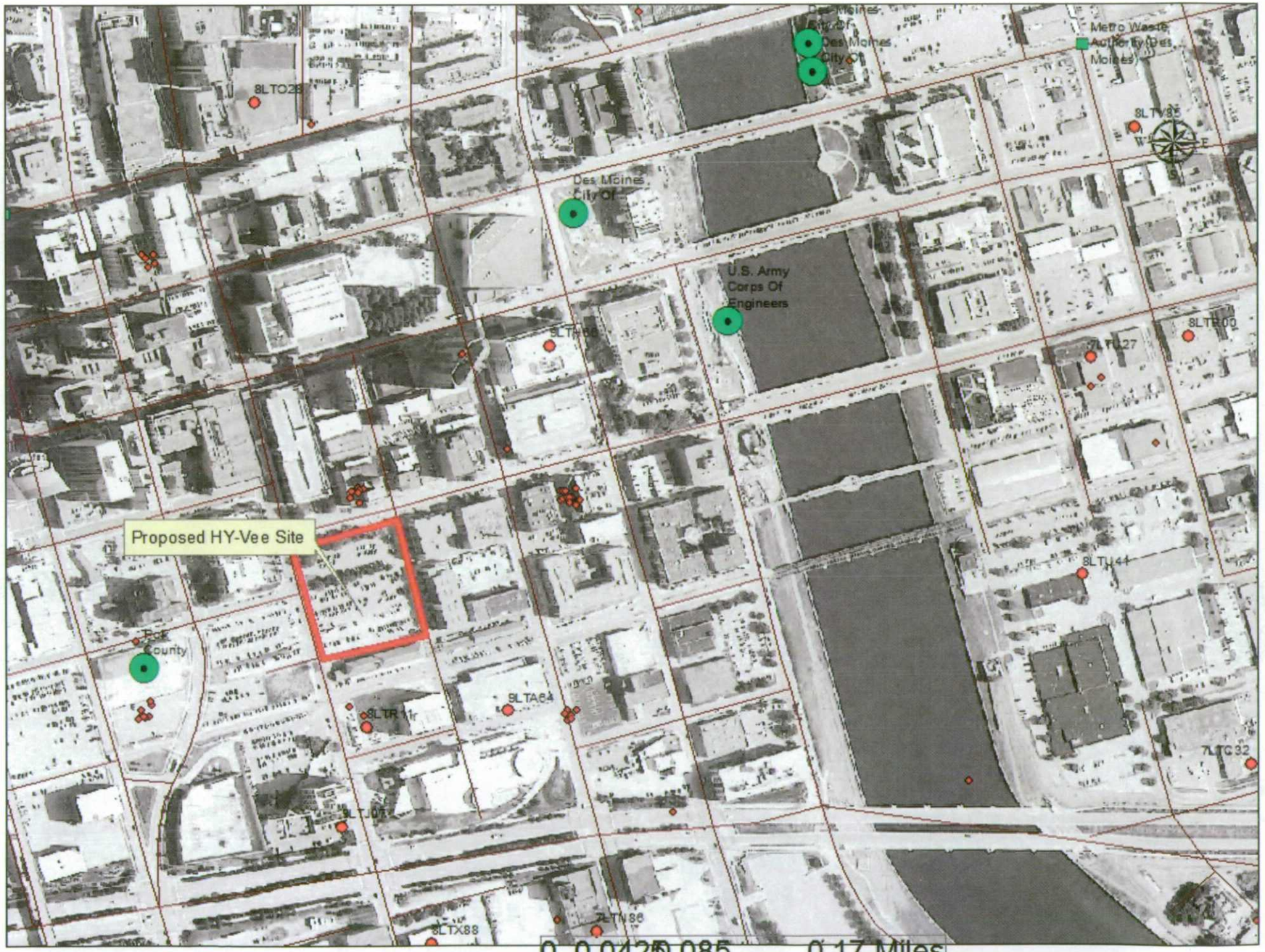

Figure 1:
Proposed Hy-Vee Site

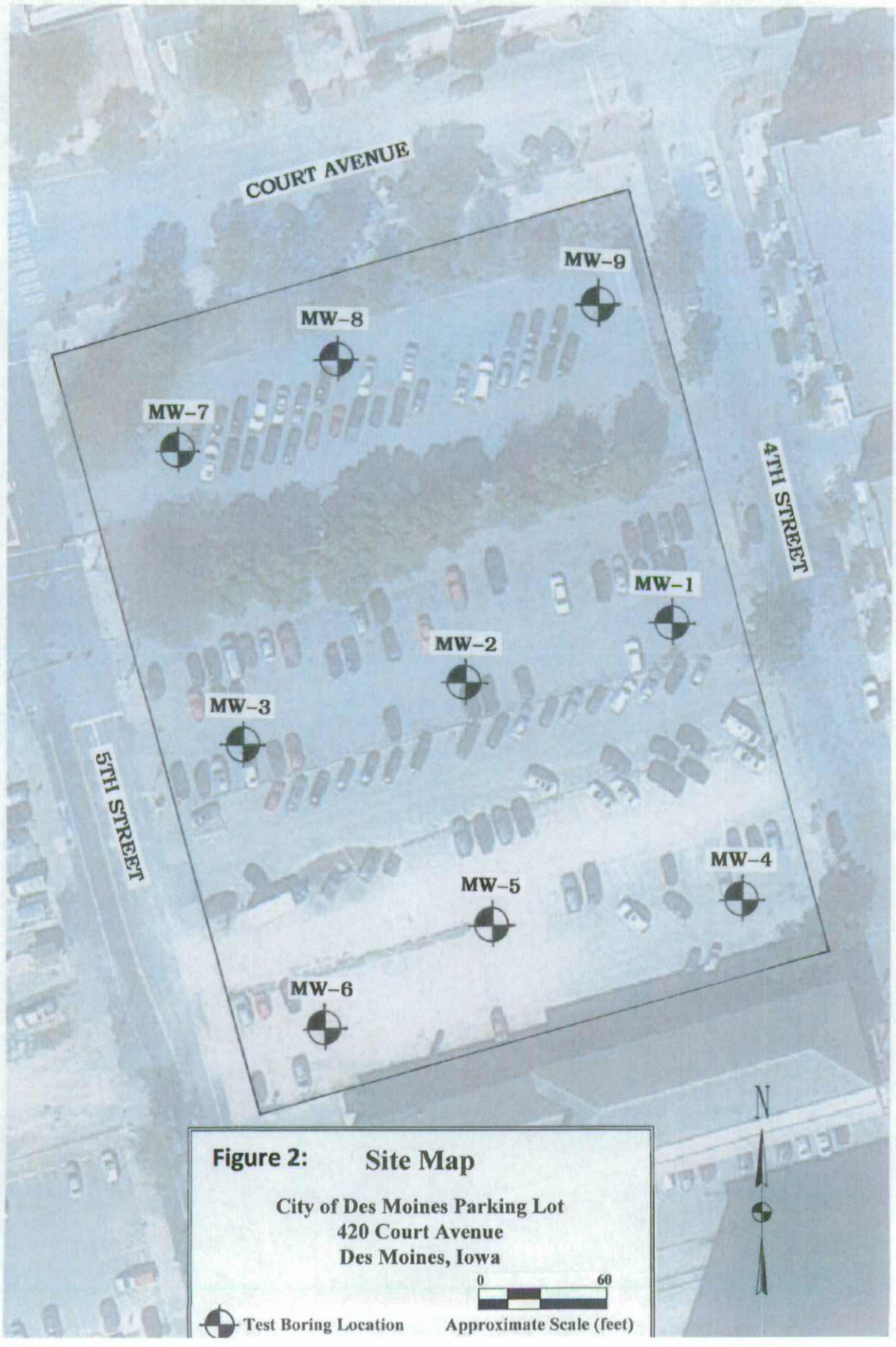

Figure 2: Site Map

City of Des Moines Parking Lot
420 Court Avenue
Des Moines, Iowa

IOWA DEPARTMENT OF NATURAL RESOURCES CUMULATIVE RISK CALCULATOR

Calculator | Statewide Standards | Chemical Specific Info. | Related Links | Help | Sign In

Cumulative Risk Results

Date: 5/8/2015

Cancer Risk Output

Chemical Name	CASRN	Resident Groundwater
Benzene	000071-43-2	0
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															
		Groundwater		0	0	0										
Benzene	000071-43-2															
		Groundwater			0					0						
Ethylbenzene	000100-41-4															
		Groundwater		0		0										
Xylene, Mixture	001330-20-7															
		Groundwater									0			0		
		Sum:	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Interpretation of Results Summary
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.

DNR Home | Site Policy | Sign In 2.1.3578

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0.064

IOWA DEPARTMENT OF NATURAL RESOURCES CUMULATIVE RISK CALCULATOR

Calculator | Statewide Standards | Chemical Specific Info. | Related Links | Help | Sign In

Cumulative Risk Results

Date: 5/8/2015

Cancer Risk Output

Chemical Name	CASRN	Resident Groundwater
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															
		Groundwater		0	0	0										
		Sum:	0	0	0	0	0	0	0	0	0	0	0	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.

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DNR Home | Site Policy | Sign In 2.1.3578

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: Matt Culp (Name/Title) — 10/28/2014 (Date)

502 E 9th S, Des Moines Iowa 50319 (Address) — 515.725.8337 (Phone)

matt.culp@dnr.iowa.gov (E-mail Address)

Site Name: Court Avenue HY-Vee, Des Moines

Previous Names (if any): none

Site Location: 420 Court Avenue

Des Moines (City) — IA (ST) — 52802 (Zip)

Latitude: 41.5843 **Longitude:** -91.2200

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:

The recommendation for priority 3 assignment of this site is based on the relatively low soil and groundwater contamination documented in the Phase II for the three RECs (describe in previous section) initially identified in the Phase I report. These RECs are listed again below.

- The level of contamination to soil from the former filling station located at 414-418 Court Avenue appears to be low.
- Additional sampling of the southwest corner of the subject property confirmed previously identified light petroleum contamination of undetermined origin.
- Soil and groundwater sampling of the northwest and west central portion of the property confirmed light contamination by petroleum but no evidence of effects from past printing operations.

Regional EPA Reviewer: _____

Print Name/Signature Date

State Agency/Tribe: _____

Print Name/Signature Date

REGION VII
U.S. ENVIRONMENTAL PROTECTION AGENCY

ENFORCEMENT SENSITIVE INFORMATION
FOR INTERNAL USE ONLY

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

SITE NAME: Court Avenue Hy-Vee Des Moines, Iowa **EPA ID:** _____

Latitude: 41.5843 **Longitude:** 91.2200 **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

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

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

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

Accuracy Meters +/-: _____ ☐ **Accuracy Unknown** **Collection Date:** _____/_____/_____

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

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:_____

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.

REGION VII U.S. EPA SUPERFUND
NO DISCOVERY DATE

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

Site Name: Court Avenue Hy-Vee **Identified By:** ☐ Removal ☒ Site Assessment ☐ Federal Facilities ☐ States ☐ Other Federal Agency Check if: ☐ FUD Site

Address: 420 Court Avenue **County Name:** Polk

City, State, Zip: Des Moines IA 50309 State ID (if one exists): _____ Congressional District: 3rd

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): none

Directions to Site: Starting at the Iowa Department of Natural Resources office in the Wallace Building at 502 East 9th Street, travel west on Grand Avenue and turn south (left) on 3rd Street. Take 3rd Street to Court Avenue and turn right (west). The site is located on the corner of Court and 4th Street.

Site Description: vacant lot used for surface parking

USGS Quadrant: Des Moines SE main USGS Hydro Unit: _____

Latitude: 41.5843 **Longitude:** 91.2200
(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: _____

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 and sub-category is selected indicate which is primary):

Primary Designation: _____

☐ **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):_____

Signatures:
States:_____ Date: __/__/__ RPM/OSC/SAM: _____Date __/__/__

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