KOLAR Document ID: 1416023

WATER WELL RECORD Form WWC-5

Division of Water Resources App. No. | Well ID: MW-9SR

☑ Original Record ☐ Correction ☐ Change in Well Use

1 LOCATION OF WATER WELL: County: Wyandotte | Fraction: SW ¼ NW ¼ SE ¼ NW ¼ | Section Number: 13 | Township Number: T 11 S | Range Number: R 24 ☑ E ☐ W

2 WELL OWNER: Last Name: First:
Business: T H Agriculture & Nutrition LLC
Address: 15313 W. 95th St.
Address:
City: Lenexa State: KS ZIP: 66219

Street or Rural Address where well is located (if unknown, distance and direction from nearest town or intersection): If at owner's address, check here: ☐
5200 Speaker Rd., Kansas City, Kansas

3 LOCATE WELL WITH "X" IN SECTION BOX:
N / W / E / S; NW, NE, SW, SE; X in NW
|---------1 mile---------|

4 DEPTH OF COMPLETED WELL: 52.3 ft.
Depth(s) Groundwater Encountered: 1) 43 ft. 2) ..... ft. 3) ..... ft., or 4) ☐ Dry Well
WELL'S STATIC WATER LEVEL: 41.36 ft.
☑ below land surface, measured on (mo-day-yr) 07/23/2018
☐ above land surface, measured on (mo-day-yr).....
Pump test data: Well water was ..... ft. after ..... hours pumping ..... gpm
Well water was ..... ft. after ..... hours pumping ..... gpm
Estimated Yield: .....gpm
Bore Hole Diameter: 8.25 in. to 52.3 ft. and ..... in. to ..... ft.

5 Latitude: 39.0969317 (decimal degrees)
Longitude: 94.7005394 (decimal degrees)
Datum: ☐ WGS 84 ☑ NAD 83 ☐ NAD 27
Source for Latitude/Longitude:
☐ GPS (unit make/model: .....)
(WAAS enabled? ☐ Yes ☐ No)
☐ Land Survey ☐ Topographic Map
☐ Online Mapper: .....

6 Elevation: 767 ft. ☑ Ground Level ☐ TOC
Source: ☐ Land Survey ☐ GPS ☐ Topographic Map ☑ Other KOLAR

7 WELL WATER TO BE USED AS:
1. Domestic: ☐ Household ☐ Lawn & Garden ☐ Livestock
2. ☐ Irrigation
3. ☐ Feedlot
4. ☐ Industrial
5. ☐ Public Water Supply: well ID .....
6. ☐ Dewatering: how many wells? .....
7. ☐ Aquifer Recharge: well ID .....
8. ☑ Monitoring: well ID MW-9SR
9. Environmental Remediation: well ID ..... ☐ Air Sparge ☐ Soil Vapor Extraction ☐ Recovery ☐ Injection
10. ☐ Oil Field Water Supply: lease .....
11. Test Hole: well ID ..... ☐ Cased ☐ Uncased ☐ Geotechnical
12. Geothermal: how many bores? ..... a) Closed Loop ☐ Horizontal ☐ Vertical b) Open Loop ☐ Surface Discharge ☐ Inj. of Water
13. ☐ Other (specify): .....

Was a chemical/bacteriological sample submitted to KDHE? ☐ Yes ☑ No If yes, date sample was submitted: .....
Water well disinfected? ☐ Yes ☑ No

8 TYPE OF CASING USED: ☐ Steel ☑ PVC ☐ Other ..... CASING JOINTS: ☐ Glued ☐ Clamped ☐ Welded ☑ Threaded
Casing diameter 2 in. to 42.3 ft., Diameter ..... in. to ..... ft., Diameter ..... in. to ..... ft.
Casing height above land surface 0 in. Weight ..... lbs./ft. Wall thickness or gauge No. 40

TYPE OF SCREEN OR PERFORATION MATERIAL:
☐ Steel ☐ Stainless Steel ☐ Fiberglass ☑ PVC ☐ Other (Specify) .....
☐ Brass ☐ Galvanized Steel ☐ Concrete tile ☐ None used (open hole)

SCREEN OR PERFORATION OPENINGS ARE:
☐ Continuous Slot ☑ Mill Slot ☐ Gauze Wrapped ☐ Torch Cut ☐ Drilled Holes ☐ Other (Specify) .....
☐ Louvered Shutter ☐ Key Punched ☐ Wire Wrapped ☐ Saw Cut ☐ None (Open Hole)

SCREEN-PERFORATED INTERVALS: From 42.3 ft. to 52.3 ft., From ..... ft. to ..... ft., From ..... ft. to ..... ft.
GRAVEL PACK INTERVALS: From 39.3 ft. to 52.3 ft., From ..... ft. to ..... ft., From ..... ft. to ..... ft.

9 GROUT MATERIAL: ☐ Neat cement ☐ Cement grout ☑ Bentonite ☐ Other .....
Grout Intervals: From 1 ft. to 39.3 ft., From ..... ft. to ..... ft., From ..... ft. to ..... ft.

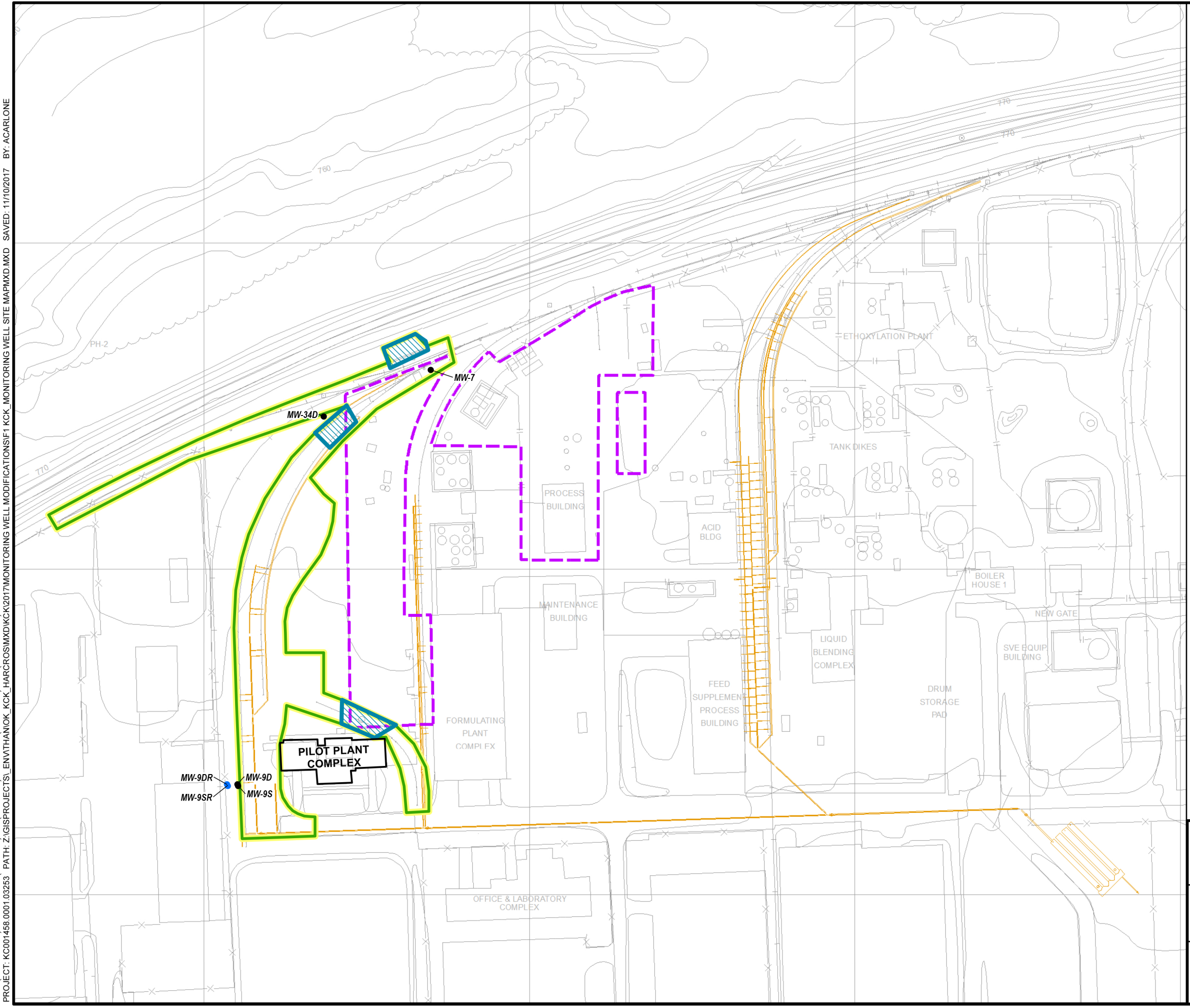
Nearest source of possible contamination:
☐ Septic Tank ☐ Lateral Lines ☐ Pit Privy ☐ Livestock Pens ☐ Insecticide Storage
☑ Sewer Lines ☐ Cess Pool ☐ Sewage Lagoon ☐ Fuel Storage ☐ Abandoned Water Well
☐ Watertight Sewer Lines ☐ Seepage Pit ☐ Feedyard ☐ Fertilizer Storage ☐ Oil Well/Gas Well
☐ Other (Specify) .....
Direction from well? East Distance from well? 50 ft.

10 FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHO. LOG (cont.) or PLUGGING INTERVALS
0	1	Topsoil			
1	10	Silty fine sand			
10	15	Fine sand, gravel			
15	43	Silty fine sand, some m sand			
43	52.3	Sand, m, w/ silty clay layer			

Notes:

11 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was ☑ constructed, ☐ reconstructed, or ☐ plugged under my jurisdiction and was completed on (mo-day-year) 06/29/2018 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 531 This Water Well Record was completed on (mo-day-year) 07/23/2018 under the business name of GSI Engineering, LLC

Send one copy to WATER WELL OWNER and retain one for your records. Fee of $5.00 for each constructed well.
KS Department of Health and Environment, Bureau of Water, Geology Section, 1000 SW Jackson St., Suite 420, Topeka, Kansas 66612-1367. Telephone 785-296-3565.
Visit us at http://www.kdheks.gov/waterwell/index.html KSA 82a-1212



LEGEND

- Groundwater Monitoring Well
- Proposed Groundwater Monitoring Well Location
- Base Feature
- Sanitary Sewer Line
- Restricted Zone
- Listed Waste Excavation Area
- Anticipated Construction Area

NOTES:

1. Facility mapping based on aerial photography taken by Western Air Maps (August 8, 1990).
2. Facility mapping revised by George Butler and Associates (March 13, 2002).
3. Base adapted from URS drawing "2-18 10/23/2002".
4. SVE Expansion Survey (Anderson Survey, October 21, 2005).
5. Rail Construction Areas adapted from URS drawing Harcros PROPOSED 10.dgn (November 2014).

0 150 300

SCALE IN FEET

PROJECTION: NAD83 State Plane Kansas North Feet

HARCROS CHEMICALS INC.
5200 SPEAKER ROAD
KANSAS CITY, KANSAS

MONITORING WELL MODIFICATIONS

MONITORING WELL SITE MAP

ARCADIS Design & Consultancy for natural and built assets

FIGURE
1