

Check one of the following:

☐ On-Site Storage of PCS

☐ Landfarming PCS

☐ Storage and Landfarming PCS



Iowa Department of Natural Resources
PETROLEUM CONTAMINATED SOIL LANDFARMING
AND STORAGE NOTIFICATION FORM



Multituse and single-use landfarming agencies shall submit the following notification form to the department and department field office with jurisdiction over the landfarm before land application; however, at least 30 days' notification is encouraged. Petroleum Contaminated Soil (PCS) from an emergency cleanup supervised by the department pursuant to subrule 120.6(1), however, shall be reported within 7 days of the emergency cleanup.

Send the completed application with attached information to:

Solid Waste Section
Land Quality Bureau
Iowa Department of Natural Resources
502 E 9th Street
Des Moines, IA 50319
Fax: (515) 725-8202

Visit <http://www.iowadnr.gov/InsideDNR/DNRStaffOffices.aspx> for a listing of field offices addresses and jurisdictions

Questions contact Matt Graesch at (515) 725-8331 or matt.graesch@dnr.iowa.gov

For information on Emergency Response Spills, call (515) 725-8694 or visit <http://www.iowadnr.gov/About-DNR/DNR-Staff-Offices/Environmental-Field-Offices/Emergency-Response-Unit>

SECTION 1. CONTACT INFORMATION (Provide the name, address and telephone number for the following):

Landfarming Agency Owner(s)

Name: American Backhoe Co
Street Address: P.O. Box 335
City: Crescent State: Iowa Zip Code: 51526
Phone Number: 402-306-2084 E-mail: Amerbackhoe@gmail.com
DNR Existing Permit Number for Agency: 78 - SDP- 29-07D -PCS

PCS Landfarming/Storage Location Owner

Name: Merritt Stream
Street Address: 379 125th St
City: Chariton State: IA Zip Code: 50050
Phone Number: 515-351-7350 E-mail: _____

Legal Description of Property that will be Utilized for Landfarming/Storage:
(you may attach a legal description from your county assessor)

NE $\frac{1}{4}$ of SW $\frac{1}{4}$ of _____ 22 Hardin N 30 ☐ E ☒ W Green
Section Township Range County

SECTION 2. PCS LANDFARMING AND STORAGE INFORMATION

Petroleum product contaminating soil (check all that apply):

☐ Gasoline ☐ Diesel ☐ Waste Oil ☐ Kerosene ☐ Jet Fuel ☐ Other _____

* Note: Storage of non-standard PCS requires a permit amendment request

Predominant texture of the contaminated soil:

☒ Clay ☐ Sand ☐ Silt ☐ Gravel
☐ Other _____

Does PCS contain or have the potential to produce tar balls:

☐ Yes ☒ No
* PCS that has the potential to produce tar balls shall not be landfarmedEstimated volume of PCS to be stored: 1227 Cubic Yards

Date PCS is expected to be delivered for storage: _____

Date PCS is expected to be land applied: 10-27-25Is this project part of a department-supervised emergency cleanup?: ☐ Yes ☒ No

If yes, provide the spill number _____

Petroleum Contaminated Site or Facility

Name: Greene County - Maintenance ShopStreet Address: 114 N. Chestnut StCity: Jefferson State: Iowa Zip Code: 50129

Phone Number: _____ E-mail: _____

Legal Description of Property that will be Utilized for Landfarming/Storage:

(you may attach a legal description from your county assessor)

*Attached*_____% of _____ % of _____ % _____ N _____ ☐ E ☐ W _____
Section Township Range County

Underground Storage Tank Owner, if applicable

Name: _____

Street Address: _____

City: _____ State: _____ Zip Code: _____

Phone Number: _____ E-mail: _____

UST Registration Number, if applicable: 198604400LUST Registration Number, if applicable: 7LTQ80**SECTION 3. NOTIFICATION FORM CHECKLIST**

Checking the appropriate boxes below certifies that the attachments submitted in conjunction with this application form are complete and in compliance with the applicable chapters of the Iowa Administrative Code. While some of the attachments below may have been submitted previously, updated copies of each is required to be provided with each notification form.

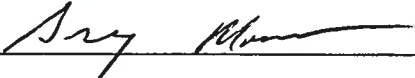
Required Document

- ☒ Section A. Topographical Map of Landfarm [IAC 567 Chapter 120.11(1) "b" (2)]
- ☒ Section B. Soil Map of Landfarm with Key [IAC 567 Chapter 120.11(1) "b" (2)]
- ☒ Section C. 100-Year Flood Plain Map [IAC 567 Chapter 120.11(1) "b" (2)]
- ☒ Section D. Map of Landfarm Plot to be Utilized [IAC 567 Chapter 120.11(1) "b" (2)]
- ☒ Section E. Application Rate Calculations Pursuant to 120.9(6) [IAC 567 Chapter 120.11(1) "b"(3)]
- ☒ Section F. Chemical Analysis of Petroleum Contaminated Soil [IAC 567 Chapter 120.11(1) "c"]

SECTION 4. LANDFARMING AGENCY OWNER CERTIFICATION FOR LANDFARMING AND STORAGE OF PCS

I certify under penalty of law that I am the owner of the landfarming agency for which this Petroleum Contaminated Soil Landfarming and Storage Notification Form is submitted, and that I have examined and am familiar with the requirements of landfarming and storage of petroleum contaminated soil in accordance with Iowa Administrative Code 567-Chapter 120, and that the information I have provided is true, accurate and complete.

Signature: _____

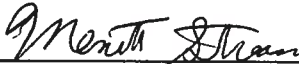
Date: 10-8-25

Printed Name: _____

Greg Morris**SECTION 5. LANDFARMING SITE OWNER CERTIFICATION FOR LANDFARMING AND STORAGE OF PCS**

I certify I own the application or storage site for the petroleum contaminated soil referenced above and I understand the landfarming practices described in this notification must conform with the requirements contained in Iowa Administrative (IAC) Code 567-Chapter 120.

Signature: _____

Date: 10-8-2025

Printed Name: _____

MEBAITT STREAM

DOCUMENTS TO BE ATTACHED

SECTION A. TOPOGRAPHICAL MAP OF LANDFARM (ONLY APPLICABLE FOR SINGLE USE LANDFARM)

- ✓ Provide a topographical map that includes at least a ¼ mile radius around the landfarm site. Clearly mark the following on the map:
 - a. Application site boundary
 - b. Water wells and occupied structures within ¼ mile of the application site
 - c. Streams, lakes, ponds, drainage ditches, sinkholes and tile line surface intakes that are located within a ¼ mile of the application site

SECTION B. SOIL MAP OF LANDFARM (ONLY APPLICABLE FOR SINGLE USE LANDFARM)

- ✓ Provide a soil map with key showing where the PCS will be applied and the landfarm site boundary. If PCS is planned to be stored, mark the location on the soil map. Soil maps can be obtained from the local Natural Resource Conservation Service (NRCS) office.

PCS shall not be applied on Loamy Sand, Sand, and Silt for single-use landfarms and Clay, Sandy Clay, Sandy Clay Loam, Sandy Loam, Loamy Sand, Sand, and Silt for multiuse landfarms as classified by the USDA Textural Classification Chart for Soils. Soils in the operating area shall have a pH greater than 6 and less than 9, free of debris larger than 4 inches in diameter, and have a minimum of 6 feet of soil over bedrock.

SECTION C. FLOOD PLAIN MAP (ONLY APPLICABLE FOR SINGLE-USE LANDFARM)

- ✓ Provide a 100-year flood plain map showing where the PCS will be applied and the landfarm site boundary.

SECTION D. MAP OF LANDFARM PLOT TO BE UTILIZED (ONLY APPLICABLE FOR MULTIUSE LANDFARM)

- ✓ Provide a map illustrating the multiuse landfarm site and indicating the landfarm plot which the PCS is to be applied.

SECTION E. APPLICATION RATE CALCULATIONS PURSUANT TO IAC 567-120.9(6) (APPLICABLE TO SINGLE- USE AND MULTIUSE LANDFARM)

- ✓ PCS shall be land applied at a rate that is as uniform as practical over an area sufficient to satisfy the greater of the following area requirements. However, PCS from an emergency cleanup supervised by the department pursuant to subrule 120.6(1) may instead be land applied at a rate of 162 ft² of landfarm area per cubic yard (yd³) of PCS, that is as uniform as practical, and in which no layer of unincorporated PCS is thicker than 2 inches.
 - a. Petroleum constituents. PCS shall be land applied over the largest area required by the following:
 - (1) Benzene. PCS contaminated with benzene shall be land applied in accordance with Table 1. The average concentration of benzene in the PCS shall be used to determine the landfarm area (ft²) required per cubic yard (yd³) of PCS to be land applied. The average concentration of benzene shall be calculated from all soil boring test results that are within the PCS excavation area. The application shall be as uniform as practical over the area required.

Table 1			
Average concentration of benzene (mg/kg)	Ft ² of landfarm area per yd ³ of PCS applied	Maximum thickness of unincorporated PCS	Yd ³ of PCS per acre of landfarm
0 < mg/kg ≤ 10	81 ft ²	4 inches	537 yd ³
10 < mg/kg ≤ 20	162 ft ²	2 inches	268 yd ³
20 < mg/kg	324 ft ²	1 inch	134 yd ³

- (2) Toluene, ethylbenzene, xylene, and TEH-diesel. PCS that is not contaminated with benzene or MTBE, but is contaminated with toluene, ethylbenzene, xylene, THE-diesel, or some combination thereof, shall be land applied at a rate of 81 ft² of landfarm area per cubic yard (yd³) of PCS. The application shall be as uniform as practical, and no layer of unincorporated PCS shall be thicker than 4 inches.

- b. Total heavy metals. PCS that has been tested for heavy metals pursuant to subparagraph 120.6(2)"c"(4) shall be applied at a rate that is as uniform as practical, that results in no layer of PCS is thicker than 4 inches, and that upon incorporation produces a landfarm soil that satisfies the following requirements. This analysis requires prior testing of background levels of heavy metals at the proposed landfarm site.
 - (1) Total heavy metals are less than 2,500 milligrams per kilogram (mg/kg).
 - (2) Any particular concentration of a heavy metal is less than the appropriate statewide standard for soil developed pursuant to 567—Chapter 137.

SECTION F. CHEMICAL ANALYSIS OF PETROLEUM CONTAMINATED SOIL (APPLICABLE TO SINGLE-USE AND MULTIUSE LANDFARM)

- ✓ The following analyses shall be performed. Samples shall be acquired, stored, handled, tested and reported in accordance with the required methodology and accepted scientific procedures. A laboratory certified for UST petroleum analyses pursuant to IAC 567-Chapter 83 shall test samples. The analysis shall utilize the most recent version of Method OA-1 (GCMS), "Method for Determination of Volatile Petroleum Hydrocarbons (Gasoline)," University of Iowa Hygienic Laboratory.
 - a. BTEX testing. The PCS shall be tested for benzene, toluene, ethylbenzene and xylene.
 - b. TEH-diesel testing. The PCS shall be tested for total extractable hydrocarbons.
 - c. MTBE testing. The PCS shall be tested for methyl tertiary-butyl ether unless prior analysis at the site, pursuant to IAC 567-Chapter 135.15(455B), has shown that MTBE is not present in the soil or groundwater.
 - d. Total metals testing. If the history of the petroleum contaminated site is known to have included solvents, batteries, leaded fuel, waste oil or a gas station in operation prior to 1985, then the PCS shall be tested for total Resource Conservation and Recovery Act (RCRA) metals.

Greene County, IA

Summary

Parcel ID

Alternate ID

Property Address

Sec/Twp/Rng

Brief Tax Description

Deed Book/Page

Contract Book/Page

Gross Acres

Net Acres

Adjusted CSR Pts

Class

District

School District

1107201004

07120101

N/A

07-83-30

07/83/30 LOT 17 & LOT A OF LOT 17 & LOTS 21 & 22 NE1/4
(Note: Not to be used on legal documents)

0.00

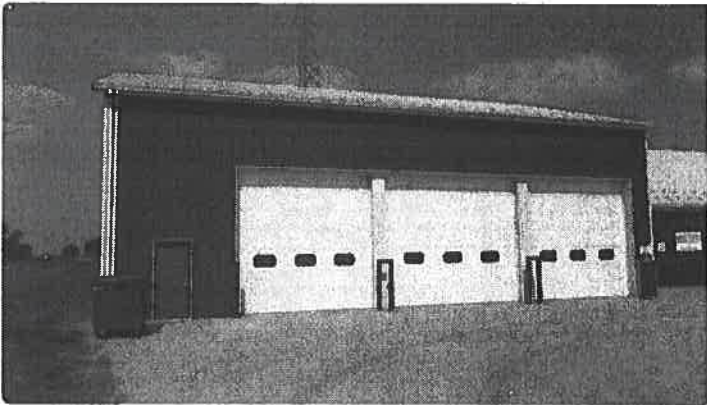
0.00

0

ZZ - Exempt
(Note: This is for tax purposes only. Not to be used for zoning.)

IJJF - Jefferson City, Jefferson Sch

Greene County School(Jefferson)



Owner

Deed Holder

GREENE COUNTY, IOWA

114 N CHESTNUT ST

JEFFERSON IA 50129

Contract Holder

Mailing Address

GREENE COUNTY, IOWA

114 N CHESTNUT ST

JEFFERSON IA 50129

DBA

COUNTY MAINTENCE BLDGS

Land

Lot Area 6.50 Acres ;283,140 SF

Commercial Buildings

Type	Story Helght	Gross Area	Basement Area	Year Built
Shop	1	12465	0	1960
Metal Warehouse - Rigid Steel Frame	1	8960	0	1975
Metal Warehouse - Post Frame	1	5880	0	1975
Metal Warehouse - Milled Wood Frame	1	1800	0	1960
Metal Warehouse - Post Frame	1	5880	0	1980
Hoop Structures	0	0	0	2003
Hoop Structures	0	0	0	2003
Hoop Structures	0	0	0	2003

Yard Extras

#1 - (1) Paving - Concrete 18,000 SF, Concrete Parking, Low Pricing, Built 1975
#2 - (1) Paving - Asphalt 3,600 SF, Asphalt Parking, Average Pricing, Built 2003
#3 - (6) Tank - Small Bulk Plastic Single, 10,000 Gal, Built 2016

Recent Sales in Area

Sale date range:

From:

10/09/2022

To:

10/09/2025

Search Sales by Neighborhood

Distance:

1500

Units:

Feet

▼

Search Sales by Distance

Permits

Permit #	Date	Description	Amount
27-07	08/23/2007	Additon	41,000

	2025	2024	2023	2022
Classification	Exempt	Exempt	Exempt	Exempt
+ Assessed Land Value	\$112,500	\$112,500	\$81,800	\$81,800
+ Assessed Building Value	\$952,000	\$952,000	\$626,100	\$540,000
+ Assessed Dwelling Value	\$0	\$0	\$0	\$0
= Gross Assessed Value	\$1,064,500	\$1,064,500	\$707,900	\$621,800
- Exempt Value	(\$1,064,500)	(\$1,064,500)	(\$707,900)	(\$621,800)
= Net Assessed Value	\$0	\$0	\$0	\$0

Taxation

	2024 Pay 2025-2026	2023 Pay 2024-2025	2022 Pay 2023-2024	2021 Pay 2022-2023
+ Taxable Land Value	\$0	\$0	\$0	\$0
+ Taxable Building Value	\$0	\$0	\$0	\$0
+ Taxable Dwelling Value	\$0	\$0	\$0	\$0
= Gross Taxable Value	\$0	\$0	\$0	\$0
- Homestead 65+ Exemption	\$0	\$0	\$0	\$0
- Military Exemption	\$0	\$0	\$0	\$0
= Net Taxable Value	\$0	\$0	\$0	\$0
x Levy Rate (per \$1000 of value)	41.00145	41.10540	41.52545	41.11786
= Gross Taxes Due	\$0.00	\$0.00	\$0.00	\$0.00
- Ag Land Credit	\$0.00	\$0.00	\$0.00	\$0.00
- Family Farm Credit	\$0.00	\$0.00	\$0.00	\$0.00
- Homestead Credit	\$0.00	\$0.00	\$0.00	\$0.00
- Disabled and Senior Citizens Credit	\$0.00	\$0.00	\$0.00	\$0.00
- Business Property Credit	\$0.00	\$0.00	\$0.00	\$0.00
= Net Taxes Due	\$0.00	\$0.00	\$0.00	\$0.00

Tax History

Year	Due Date	Amount	Paid	Date Paid	Receipt
2024	March 2026	\$0	No		827342
	September 2025	\$0	No		
2023	March 2025	\$0	No		811504
	September 2024	\$0	No		
2022	March 2024	\$0	No		795690
	September 2023	\$0	No		
2021	March 2023	\$0	No		779175
	September 2022	\$0	No		
2020	March 2022	\$0	No		762422
	September 2021	\$0	No		
2019	March 2021	\$0	No		745756
	September 2020	\$0	No		
2018	March 2020	\$0	No		733386
	September 2019	\$0	No		
2017	March 2019	\$0	No		715341
	September 2018	\$0	No		

Pay Property Taxes

[Click here to pay property taxes for this parcel.](#)

Iowa Land Records

NOTICE! Iowa Land Records has launched a new 2.0 version of their web portal. Please see the following to access the new portal or for more information.

- If you work in the real estate industry professionally, submit a [Business Application](#)
- If you are an individual searching for your records or the records of family members, submit a [Citizen Search Application](#)

[Search Business Application](#)

[Citizen Search Application](#)

Already have an account? [Login Here](#)

[YOUTUBE 'Search 2.0 - Webinar 8.15.2023'](#)

Photos

WellLabel	UseInModel	SampleDate	X	Y	Benzene	Toluene	Ethylbenzene	Xylene
GMW33	TRUE	5/10/2013	17	18	2.14	1.72	16.00	59.90
GMW34	TRUE	11/18/2013	24	40	0.02	0.01	0.28	0.91
GMW35	TRUE	11/18/2013	-6	40	0.51	0.96	1.08	4.17
GMW36	TRUE	11/18/2013	-39	40	2.17	3.26	11.10	43.30
GMW38	TRUE	11/18/2013	-70	39	0.13	0.89	1.87	8.60
GL8	TRUE	9/29/2020	17	33	1.82	0.74	3.98	14.7
GL8	TRUE	9/29/2020	17	33	0.27	<0.2	0.67	1.75
GL14C	TRUE	3/27/2024	-13	33	25.1	45.3	65.7	240
GL14C	TRUE	3/27/2024	-13	33	1.9	1.63	5.04	18.2
GL15C	TRUE	3/27/2024	-31	33	0.95	0.20	15.1	18.9
GL15C	TRUE	3/27/2024	-31	33	2.63	1.32	18.8	20.7
GL15C	TRUE	3/27/2024	-31	33	42.2	141	100	384
GL20C	TRUE	3/27/2024	-59	33	1.49	0.31	7.73	17.9
GL20C	TRUE	3/27/2024	-59	33	30.6	218	102	433
GL27B	TRUE	11/7/2022	25.5	-38	1.5	3.14	12.4	48.6

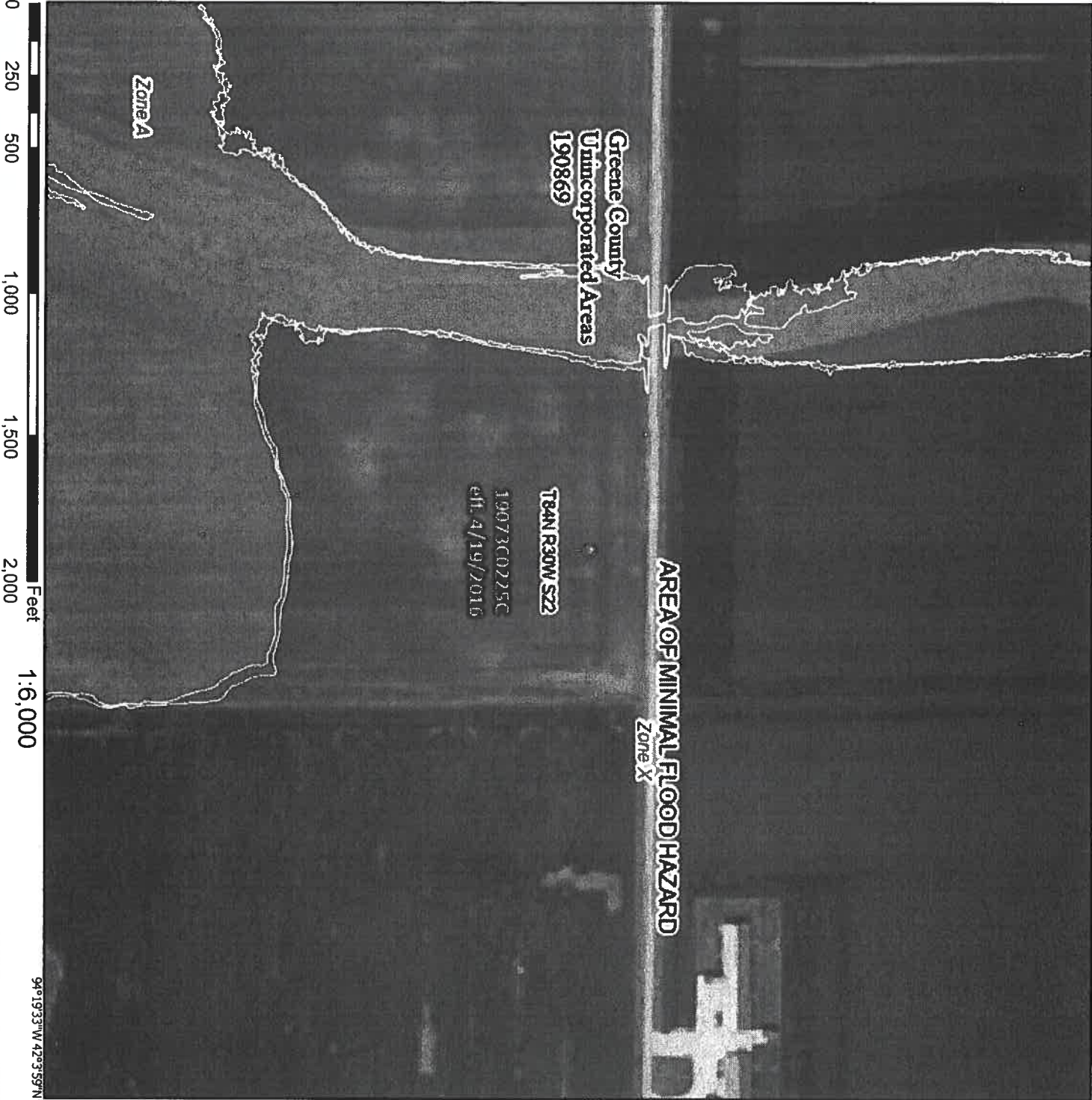
TEHD	TEHWO	TPH	GroundSur	SoilSample	StaticWaterLevel
32.00	<5.00		1053.73	1047.73	1048.33
			1053.87	1044.87	1043.15
			1053.88	1042.88	1044.63
			1053.72	1043.72	1044.12
			1053.5	1043.5	1040.85
			1054.02	1046.02	1042.81
			1054.02	1040.02	1042.81
			1054.03	1045.03	1044.72
			1054.03	1044.03	1044.72
			1054	1049	1041.52
			1054	1047	1041.52
			1054	1046	1041.52
			1053.86	1045.86	1049.39
			1053.86	1043.86	1049.39
			1053.9	1047.9	

Weillabel	UseInMod	SampleDate	X	Y	Benzene	Toluene	Ethylbenze	Xylene	TEHD	TEHWO	TPH	GroundSur	SoilSample	StaticWaterLevel
GMW33	TRUE	5/10/2013	17		18	2.14	1.72	16.00	59.90	32.00		1053.73	1047.73	1048.33
GMW34	TRUE	11/18/2013	24		40	0.02	0.01	0.28	0.91			1053.87	1044.87	1043.15
GMW35	TRUE	11/18/2013	-6		40	0.51	0.96	1.08	4.17			1053.88	1042.88	1044.63
GMW36	TRUE	11/18/2013	-39		40	2.17	3.26	11.10	43.30			1053.72	1043.72	1044.12
GMW38	TRUE	11/18/2013	-70		39	0.13	0.89	1.87	8.60			1053.5	1043.5	1040.85
GL8	TRUE	9/29/2020	17		33	1.82	0.74	3.98	14.7			1054.02	1046.02	1042.81
GL8	TRUE	9/29/2020	17		33	0.27	<0.2	0.67	1.75			1054.02	1040.02	1042.81
GL14C	TRUE	3/27/2024	-13		33	25.1	45.3	65.7	240			1054.03	1045.03	1044.72
GL14C	TRUE	3/27/2024	-13		33	1.9	1.63	5.04	18.2			1054.03	1044.03	1044.72
GL15C	TRUE	3/27/2024	-31		33	0.95	0.20	15.1	18.9			1054	1049	1041.52
GL15C	TRUE	3/27/2024	-31		33	2.63	1.32	18.8	20.7			1054	1047	1041.52
GL15C	TRUE	3/27/2024	-31		33	42.2	141	100	384			1054	1046	1041.52
GL20C	TRUE	3/27/2024	-59		33	1.49	0.31	7.73	17.9			1053.86	1045.86	1049.39
GL20C	TRUE	3/27/2024	-59		33	30.6	218	102	433			1053.86	1043.86	1049.39
GL27B	TRUE	11/7/2022	25.5		-38	1.5	3.14	12.4	48.6			1053.9	1047.9	

National Flood Hazard Layer FIRMette



94°20'11"W 42°4'26"N



Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS	Without Base Flood Elevation (BFE) Zone A, V, A99 With BFE or Depth Zone AE, AO, AH, VE, AR Regulatory Floodway
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0.2% Annual Chance Flood Hazard, Area of 1% annual chance flood with average depth less than one foot or with draining areas of less than one square mile Zone	
Future Conditions 1% Annual Chance Flood Hazard Zone X	
Area with Reduced Flood Risk due to Levee, See Notes, Zone X	
Area with Flood Risk due to Levee Zone D	

OTHER AREAS OF FLOOD HAZARD	
NO SCREEN	Area of Minimal Flood Hazard Zone X
Effective LOMRS	
Area of Undetermined Flood Hazard Zone	
Channel, Culvert, or Storm Sewer	
Levee, Dike, or Floodwall	

OTHER FEATURES	
Cross Sections with 1% Annual Chance	
Water Surface Elevation	
Coastal Transect	
Base Flood Elevation Line (BFE)	
Limit of Study	
Jurisdiction Boundary	
Coastal Transect Baseline	
Profile Baseline	
Hydrographic Feature	

MAP PANELS	
Digital Data Available	
No Digital Data Available	
Unmapped	

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards.

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 10/9/2025 at 7:07 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

Soil Map—Greene County, Iowa



Soil Map may not be valid at this scale.

Map Scale: 1:3,420 if printed on A landscape (11" x 8.5") sheet.











































Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 15N WGS84



Natural Resources
Conservation Service

Web Soil Survey
National Cooperative Soil Survey

MAP LEGEND

 Area of Interest (AOI)	 Area of Interest (AOI)	 Spoil Area
 Soils	 Soil Map Unit Polygons	 Very Stony Spot
 Soil Map Unit Lines	 Soil Map Unit Points	 Wet Spot
 Special Point Features	 Blowout	 Other
 Borrow Pit	 Clay Spot	 Special Line Features
 Closed Depression	 Gravel Pit	 Streams and Canals
 Gravelly Spot	 Landfill	 Transportation
 Lava Flow	 Marsh or swamp	 Rails
 Mine or Quarry	 Miscellaneous Water	 Interstate Highways
 Perennial Water	 Rock Outcrop	 US Routes
 Saline Spot	 Sandy Spot	 Major Roads
 Severely Eroded Spot	 Sinkhole	 Local Roads
 Slide or Slip	 Sodic Spot	 Background
		 Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:15,800.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Greene County, Iowa
Survey Area Data: Version 31, Sep 8, 2025

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Sep 5, 2021—Oct 14, 2021

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
55	Nicollet clay loam, 1 to 3 percent slopes	4.1	6.8%
107	Webster clay loam, 0 to 2 percent slopes	9.3	15.5%
135	Coland clay loam, 0 to 2 percent slopes, occasionally flooded	1.2	2.0%
138B	Clarion loam, 2 to 6 percent slopes	2.5	4.2%
138B2	Clarion loam, 2 to 6 percent slopes, moderately eroded	6.8	11.4%
138C2	Clarion loam, 6 to 10 percent slopes, moderately eroded	10.2	17.1%
485B	Spillville loam, 2 to 5 percent slopes	8.7	14.5%
585B	Coland-Spillville complex, 1 to 5 percent slopes	10.2	17.1%
638C2	Clarion-Storden complex, 6 to 10 percent slopes, moderately eroded	3.9	6.5%
638D2	Omsrud-Storden complex, 10 to 16 percent slopes, moderately eroded	0.5	0.8%
L507	Canisteo clay loam, Bemis moraine, 0 to 2 percent slopes	2.4	4.1%
Totals for Area of Interest		59.8	100.0%

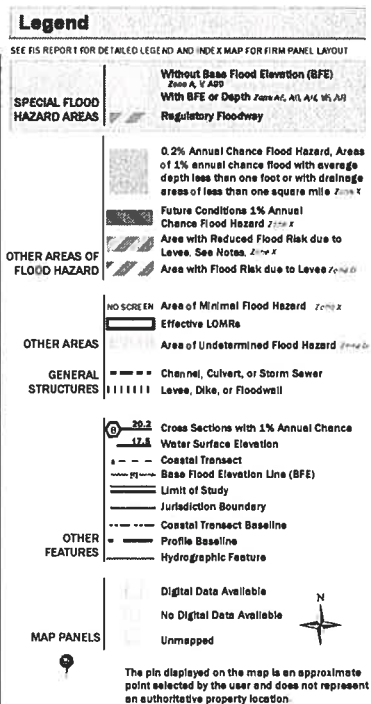
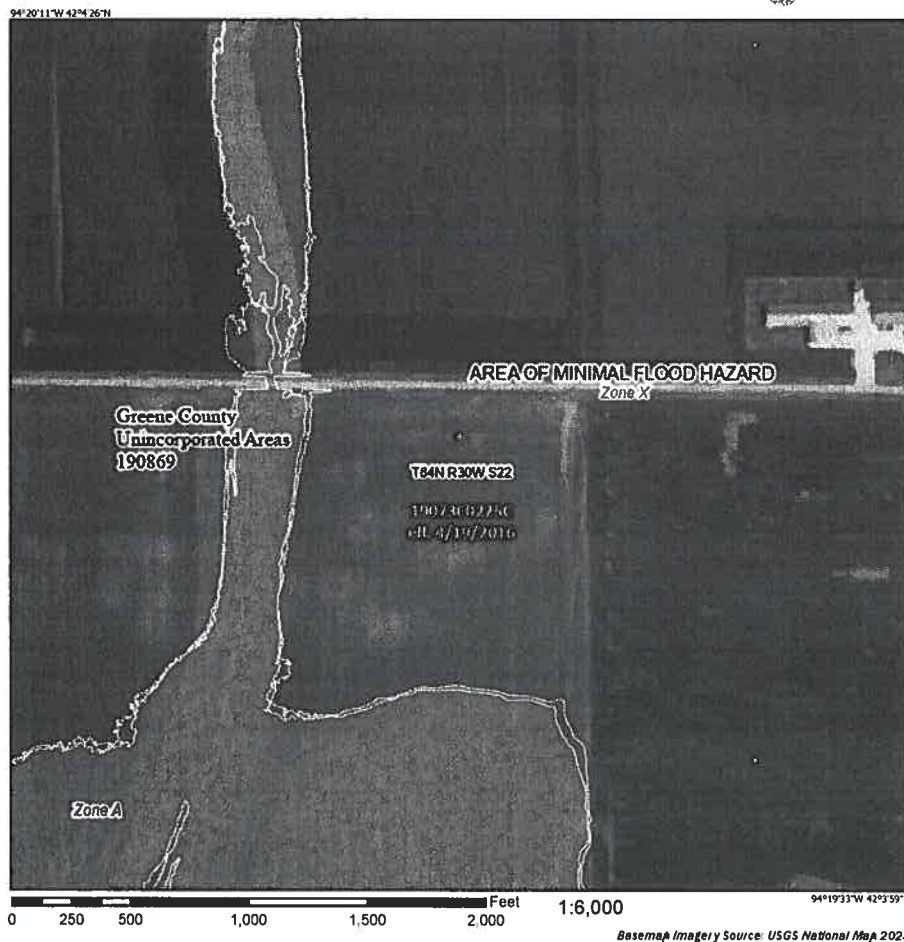
From: Leslie Nagel lnagel@senecaco.com
Subject: Jefferson Landfarm
Date: Oct 9, 2025 at 2:19:21PM
To: Greg Morris Americanbackhoe2@yahoo.com

Here you go!

Drive safe...

Leslie Nagel
Environmental Operations Manager
Seneca Companies, Inc
www.senecaco.com
t: 515-261-7717 | m: 515-447-5385
lnagel@senecaco.com

National Flood Hazard Layer FIRMette



This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards.

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 10/9/2025 at 7:07 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.



20251009_14103402244_4
4_Soil_Map.pdf
697 KB

From: **Leslie Nagel** lnagel@senecaco.com
Subject: **RE: Jefferson Landfarm**
Date: **Oct 9, 2025 at 2:42:38 PM**
To: **Greg Morris** Americanbackhoe2@yahoo.com

Water wells map.

From: Leslie Nagel
Sent: Thursday, October 9, 2025 2:19 PM
To: Greg Morris <americanbackhoe2@yahoo.com>
Subject: Jefferson Landfarm

Here you go!

Drive safe...

Leslie Nagel
Environmental Operations Manager
Seneca Companies, Inc
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lnagel@senecaco.com

GeoSam map



10/9/2025, 2:41:51 PM

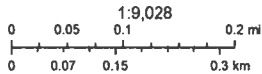
GeoSam



PLSS_Sections



Drillers



Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community, Maxar

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