

**TIME OF TRANSFER INSPECTION TOT# 2593 JASON CURRY CERT # 8903**

Site Information

Parcel Description: **11 74 4 NW NE EX S2 1/2A & 1/2A NE COR**Address: **11879 O ave, Columbus Junction, IA 52738**County: **Louisa**

Owner Information

Property is owned by a business: **No**

Business Name:

Owner Name: **Dean Mcculley**

Email Address:

Address: **11879 O ave, Columbus Junction, IA 52738**

Phone No:

Additional Contact Information

Name

Chris Richard

Email Address

chris.richard@steffesgroup.com

Affiliate Type

Realtor

Site related information

No Of Bedrooms: **2**Inspection Date: **09/27/2022**Facility Type: **Residential**Currently Occupied: **No**Last Occupied: **05/01/2022**System Installation Date: **05/09/2007**Permit issued by County: **Yes**Permit Number: **58-030369**All plumbing fixtures enter septic system: **Yes**County contacted for records: **Yes**

Property Information Comments:

Primary Treatment

Tank 1Tank Name: **Tank 1**Type: **Septic Tank**Tank Size (Gal): **1250**Tank Material: **Concrete**Tank Corrosion Type: **Slight**Liquid Level Type: **Normal**No. of Compartments: **2**Pump Tank Chamber: **No**Licensed Pumper Name: **Currys**

| | | |
|-------------------------------------|------------------------------------|-----------------------------------|
| Date Pumped: 9/27/2022 | Meets Setback to Well: Yes | Well Type: Private |
| Distance To Well (Ft.): 67 | Is Accessible: Yes | Lid Intact: Yes |
| Risers Intact: No | Effluent Filter Present: No | Watertight: Yes |
| Tank/Vault Pumped: Yes | Inlet Baffle Present: No | Outlet Baffle Present: Yes |
| Functioning as Designed: Yes | | |
| Tank Comments: | | |

General Primary Treatment Comments:

Distribution Type

Distribution Box 1

| | | |
|----------------------------------|-------------------------------------|-----------------------------------|
| Label: Distribution Box 1 | Material Type: Plastic | Accessible: Yes |
| Box Opened: Yes | Baffle Present: No | Speed Levelers Present: No |
| Watertight: Yes | Functioning As Designed: Yes | |

General Distribution System Comments :

Secondary Treatment

Lateral Field1

| | | |
|---|---|--|
| Distribution Type: Distribution Box | Material Type: Gravelless Pipe | Trench Width: 24 |
| Lines: 2 | Total Length of Absorption Line: 160 | System Hydraulic Loaded: Yes |
| Gallons Loaded: 250 | Meets Setback to Well: Yes | Well Type: Private |
| Distance To Well (Ft.): 103 | Lateral Lines Probed: Yes | Saturation or Ponding Present: No |
| Grass Cover Present: Yes | Lateral Lines Equal Length: Yes | System Located on Owner Property: Yes |
| Easement Present: N/A | Functioning as Designed: No | |
| Comments: Drain lines are made up using 4" perforated pipe with no rock found drain field lines take water very slowly. Drain lines are in a bean field. | | |

General Secondary Treatment Comments: **Drain lines are made up using 4" perforated pipe with no rock found drain field lines take water very slowly. Drain lines are in a bean field.**

Narrative Report

TOT Inspection Report Overall Narrative Comments: **When we inspected the septic system at 11879 O ave. Columbus Jct, Iowa we were able to obtain all the required paperwork from the county zoning office. We were able to locate a 1250 gallon concrete 2 compartment septic tank that is in good condition. The tank does not have any risers on it and is 14" below grade. The tank has baffles on the outlet but not the inlet sides and it is in good condition and is PVC. The Flow into the tank was good but the flow out of the tank was very slow. All plumbing is routed to the septic tank. When we did a load test of 250 gallons of water the drain field took all the water at a very slow pace. The septic tank is in excess of 50' from the well.**

We located 2 lines that make up the drain field both of the lines are 80' in length. We located a plastic d box with no levelers or baffle in it. The water out of the D Box was very slow to drain. They make up 160' of conventional style drain field using conventional style trenches with 4" perforated pipe no rock was found. The ground was dry on top of the leach lines with no visible signs of any leaching to the surface. The drain field is 103' from the well.



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Owner Name: **Dean Mcculley**

Address: **11879 O ave , Columbus Junction , IA 52738**

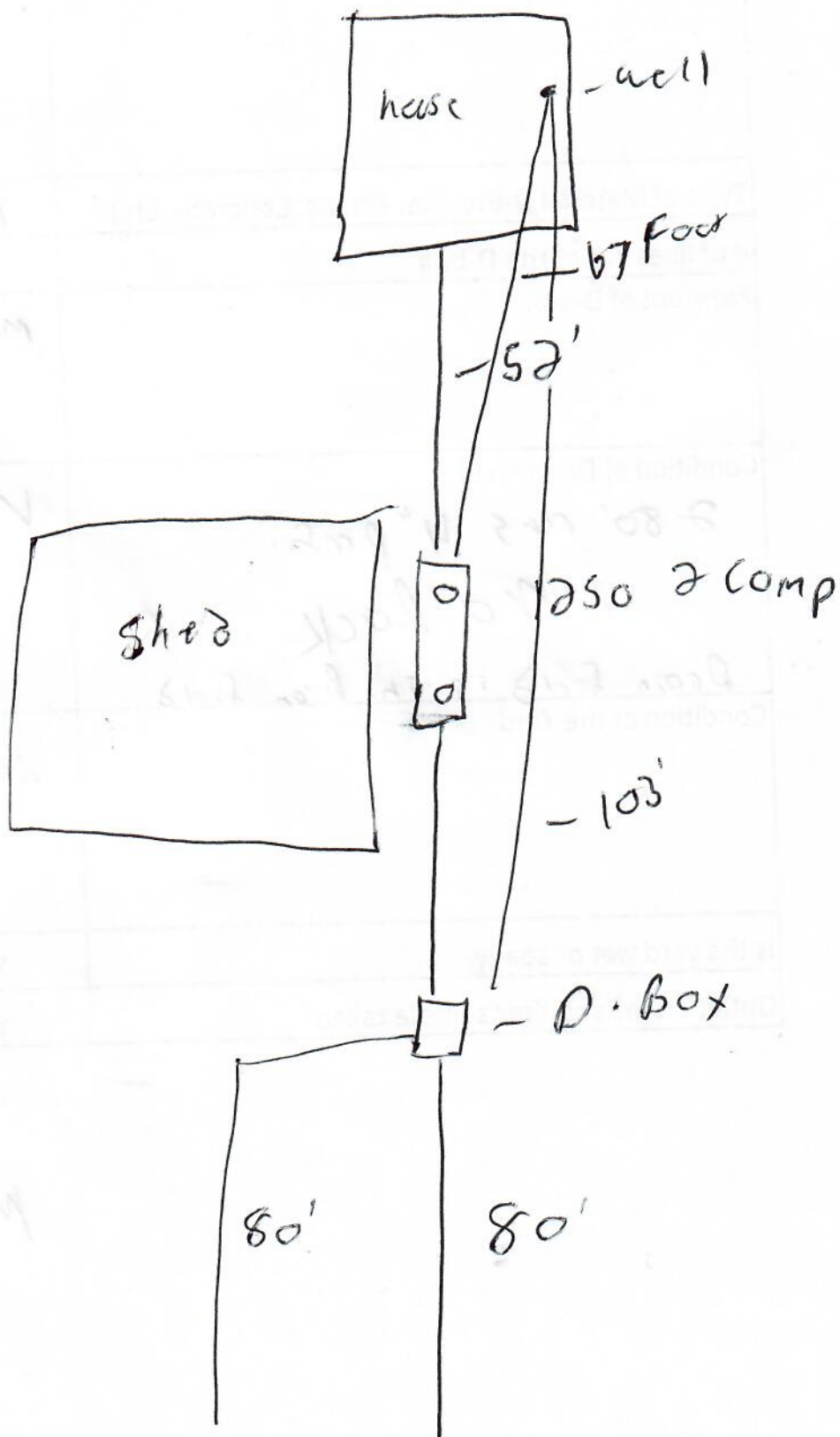
County: **Louisa**

Inspection Date: **09/27/2022**

Submitted Date: **10/7/2022**







Louisa County

Application for Sewage Disposal System Permit

[Handwritten signature]

Permit No. 58 - 030369 Date: 5-9-07
City Columbus Jct County Louisa Township Wapello N
Address or Legal Description 11879 O. Ave Sec 11
Owner Dean McCulley Address/Phone 319 523 4651
Applicant _____ Address/Phone Columbus Jct, Ia. 52738

STATUS OF DWELLING: Proposed _____ Under Construction _____ Existing X
Lot Size _____, Number of Units _____, Number of Occupants 4, Number of Bedrooms 2
Number of Toilets 1, Bathtubs/Shower _____, Lav _____, Automatic Washer _____, Garbage Grinder _____
Basement X Slab _____ Crawl Space _____ WATER SUPPLY: Private X, Quasi-Private _____, Public _____

If New Installation, Give All Following Information:

TYPE OF SYSTEM: Conventional _____ Trench Mound _____ Graveless _____ Sand Filter _____

Distance from Well: 100 Feet Minimum

PERCOLATION TEST RATE: 1.102 MIN/INCH

ABSORPTION FIELD: Minimum Size Field Required 110 LF

SEPTIC TANK SIZE 1000 gal. minimum

placed 1250 gal tank

I certify that, to the best of my knowledge, the above information is correct, that all proposed work as indicated will be completed in accordance with the Louisa County regulations before the facilities are placed in operation, and that adequate maintenance procedures will be followed.

It is understood that the local board of health may require a connection to a public sewer when one becomes available in the future. Louisa County, by issuance of this permit and performance of related inspections, does not warrant the performance of this sewage disposal system, nor that it be free from defects.

Signed X Dean McCulley Date 5-9-07
Signature of Owner or Agent

Contractor Name & Address: _____

Contractor Signature: _____ Date _____

Date Approved 7-10-07 By [Signature]
Louisa County Representative

Date of Final Inspection 8-13-07 By [Signature]
Louisa County Inspector

ATTACH SCALE DRAWING SHOWING LAYOUT, INCLUDING BUILDINGS, DISTRIBUTION BOX, ABSORPTION FIELD, LATERAL CROSS SECTION AND WELL LOCATION.

PERMIT FEE: \$150.00

PAYABLE TO:

LOUISA COUNTY

8313 K. AVENUE

WAPELLO, IOWA 52653

PHONE: 319-523-5271 FAX: 319-523-5272

IMPORTANT!

COMPLETE INSTALLATION, KEEP ALL EXCAVATIONS OPEN, CALL INSPECTOR 24 HRS. IN ADVANCE. DO NOT COVER UNTIL APPROVED.

STAN TATE - SOIL PERCOLATION TESTING

13802 COUNTY LINE ROAD
COLUMBUS JUNCTION, IOWA 52738

home phone: 319-657-4200

office phone: 319-523-2216

319-523-4651

CUSTOMER NAME: Dean McCidly

ADDRESS: 11624 0 Ave.
Wapello Ia.

TEST LOCATION: 11879 0 Ave.

TEST DATE: 5-16-07

SOIL TYPE: Sandy loam

HOLE # 1 ^{EAST} DEPTH = 26"

| TIME | REFILL | DEPTH | MINUTES | DROP | MIN./IN. |
|----------|--------|-------|-------------|------|-------------|
| 10:39:27 | | 6.0 | <u>0.28</u> | | |
| 10:39:44 | | 5.0 | <u>0.28</u> | | |
| 10:40:09 | | 4.0 | <u>0.45</u> | 1.0 | <u>0.28</u> |
| 10:40:40 | | 3.0 | <u>0.5</u> | 1.0 | <u>0.45</u> |
| 10:41:23 | | 2.0 | <u>0.71</u> | 1.0 | <u>0.50</u> |
| 10:41:50 | Refill | 6.1 | | | <u>0.71</u> |
| 10:42:20 | | 5.0 | <u>0.50</u> | 1.0 | <u>0.50</u> |
| 10:43:00 | | 4.0 | <u>0.66</u> | 1.0 | <u>0.66</u> |
| 10:43:41 | | 3.0 | <u>0.67</u> | 1.0 | <u>0.66</u> |
| 10:44:30 | | 2.0 | <u>0.82</u> | 1.0 | <u>0.67</u> |
| 10:45:00 | Refill | 6.3 | | | <u>0.82</u> |
| 10:45:45 | | 5.0 | <u>0.75</u> | 1.0 | |
| 10:46:33 | | 4.0 | <u>0.80</u> | 1.0 | <u>0.75</u> |
| 10:47:27 | | 3.0 | <u>0.90</u> | 1.0 | <u>0.80</u> |
| 10:48:29 | | 2.0 | <u>1.0</u> | 1.0 | <u>0.90</u> |

soak

AVERAGE PERK RATE FOR THIS HOLE = 0.7 MINUTES / INCH

PERK RATE AVERAGE FOR ALL 3 HOLES = 1.62 MINUTES PER INCH

This area is a suspected floodplain: yes ☒ no ☐

COMMENTS: well in basement (shallow well)

NOTE: THE BOTTOM OF THIS TEST HOLE WAS PROTECTED WITH 1 INCH OF GRAVEL
AND THE HOLE SIDES WERE ABRADED WITH A STANDARD NAIL BOARD.
THE SITE PLAN IS ON THE REVERSE SIDE OF SHEET #1.

STAN TATE - SOIL PERCOLATION TESTING

13802 COUNTY LINE ROAD
COLUMBUS JUNCTION, IOWA 52738

home phone: 319-657-4200
office phone: 319-523-2216

CUSTOMER NAME: Dean McCully
ADDRESS: 11624 0 Ave
TEST LOCATION: Wapello, Ia.
TEST DATE: 5-16-07

319-523-4681

SOIL TYPE: Sandy loam

HOLE # 2 DEPTH = 26"

| TIME | REFILL | DEPTH | MINUTES | DROP | MIN./IN. |
|----------|--------|-------|---------|------|----------|
| 10:49:44 | | 6.3 | — | — | — |
| 10:50:06 | | 6.0 | — | — | — |
| 10:51:20 | | 5.0 | 0.36 | 0.3 | 1.20 |
| 10:53:20 | | 4.0 | 1.23 | 1 | 1.23 |
| 10:55:50 | | 3.0 | 2.00 | 1 | 2.00 |
| 10:59:15 | | 2.0 | 2.50 | 1 | 2.50 |
| 11:00:40 | ReFill | 6.7 | 3.58 | 1 | 3.58 |
| 11:02:10 | | 6.0 | — | — | — |
| 11:04:30 | | 5.0 | 1.50 | 0.7 | 2.14 |
| 11:07:20 | | 4.0 | 2.33 | 1 | 2.33 |
| 11:10:30 | | 3.0 | 2.83 | 1 | 2.83 |
| 11:14:20 | | 2.0 | 3.16 | 1 | 3.16 |
| 11:14:30 | ReFill | 6.0 | 3.83 | 1 | 3.83 |
| 11:17:00 | | 5.0 | — | — | — |
| 11:20:00 | | 4.0 | 2.5 | 1 | 2.5 |
| | | | 3.0 | 1 | 3.0 |

soak

AVERAGE PERK RATE FOR THIS HOLE = 2.79 MINUTES / INCH

PERK RATE AVERAGE FOR ALL 3 HOLES = MINUTES PER INCH

This area is a suspected floodplain: ☒ yes ☐ no

COMMENTS:

NOTE: THE BOTTOM OF THIS TEST HOLE WAS PROTECTED WITH 1 INCH OF GRAVEL
AND THE HOLE SIDES WERE ABRADED WITH A STANDARD NAIL BOARD.
THE SITE PLAN IS ON THE REVERSE SIDE OF SHEET # 1.

STAN TATE - SOIL PERCOLATION TESTING

13802 COUNTY LINE ROAD
COLUMBUS JUNCTION, IOWA 52738

home phone: 319-657-4200

office phone: 319-523-2216

CUSTOMER NAME: Dean McCully

ADDRESS: 11624 0 Ave
Wapella, Ia

TEST LOCATION: 11879 0 Ave

TEST DATE: 5-16-07

319-523-4651

SOIL TYPE: sand

HOLE # 3 DEPTH = 27"

| TIME | REFILL | DEPTH | MINUTES | DROP | MIN./IN. |
|----------|--------|-------|---------|------|----------|
| 11:21:30 | | 6.0 | | | |
| 11:22:10 | | 5.0 | 0.66 | 1 | 0.66 |
| 11:23:10 | | 4.0 | 1.0 | 1 | 1.0 |
| 11:24:30 | | 3.0 | 1.33 | 1 | 1.33 |
| 11:26:00 | | 2.0 | 1.50 | 1 | 1.50 |
| 11:26:30 | Refill | 6.1 | | | |
| 11:27:40 | | 5.0 | 1.16 | 1.1 | 1.05 |
| 11:29:00 | | 4.0 | 1.50 | 1 | 1.5 |
| 11:30:30 | | 3.0 | 1.50 | 1 | 1.5 |
| 11:32:10 | | 2.0 | 1.66 | 1 | 1.66 |
| 11:32:40 | Refill | 6.6 | | | |
| 11:33:15 | | 6.0 | 0.58 | 0.6 | 0.97 |
| 11:34:20 | | 5.0 | 1.08 | 1 | 1.08 |
| 11:36:00 | | 4.0 | 1.66 | 1 | 1.66 |
| 11:37:30 | | 3.0 | 1.50 | 1 | 1.50 |

soak

AVERAGE PERK RATE FOR THIS HOLE = 1.38 MINUTES / INCH

PERK RATE AVERAGE FOR ALL 3 HOLES = _____ MINUTES PER INCH

This area is a suspected floodplain: yes ☒ (no)

COMMENTS:

NOTE: THE BOTTOM OF THIS TEST HOLE WAS PROTECTED WITH 1 INCH OF GRAVEL
AND THE HOLE SIDES WERE ABRADED WITH A STANDARD NAIL BOARD.
THE SITE PLAN IS ON THE REVERSE SIDE OF SHEET #1.