



Iowa Department of Natural Resources
Land Application of Solid Waste
Additional Sites



Application to add sites to an existing solid waste land application permit must be accompanied by the information required by the applicable solid waste rules under Iowa Administrative Code 567 Chapter 121.

Send completed applications with attached information to Becky.Jolly@dnr.iowa.gov, or:

Iowa Department of Natural Resources
 Land Quality Bureau
 Solid Waste Section
 502 E 9th St
 Des Moines, IA 50319-0034

For questions concerning this application please contact the Department at 515-721-7979.

Permit Renewal # 90 -SDP- 15 - 16P -LAN

Section 1. Contact Information

Solid Waste Generator Name: Swift Pork Company Phone: _____
 Address: 600 South Iowa Ave City, State, Zip: Ottumwa, IA 52501
 Email: _____ Fax: _____

Section 2. Permit Application Checklist

Checking the appropriate boxes below certifies that the documents submitted in conjunction with this application form are complete and in compliance with the applicable chapters of the Iowa Administrative Code. One (1) copy of each document shall be submitted. If an application is found by the department to be incomplete, it may be denied and returned to the applicant.

| Required Documents | | | Attached |
|--------------------|--|---------------------|--------------------------|
| | Document/Information | Administrative Code | |
| Section A | List of all the sites being added. For each site include: <ul style="list-style-type: none"> • Name of site • Legal description of the site • Total acres in the site • Acres to be used for disposal • Name of landowner or tenant | | <input type="checkbox"/> |
| Section B | Financial Assurance. If the additional site(s) will include additional storage of materials, include a revised cost estimate and proof of financial assurance in the revised amount. | IAC 567 121.8 | <input type="checkbox"/> |

| Required Documents | | | Attached |
|--------------------|---|---|--------------------------|
| | Document/Information | Administrative Code | |
| Section C | <p>Site map or aerial photo of the site showing the following:</p> <ul style="list-style-type: none"> • The specific area where the material will be applied • Buildings, lakes, ponds, watercourses, wetlands, dry runs, rock outcroppings, roads, and other applicable details. • Soil types and slope • Location of wells <p><i>Please remember that the area to be used for land disposal:</i></p> <ul style="list-style-type: none"> • <i>may not have a slope of greater than 9%,</i> • <i>may not be within 200 feet of an occupied residence</i> • <i>may not be within 500 feet of a well</i> <p><i>If the specific area requested includes any of the above the entire field will not be approved.</i></p> | <p>IAC 567 121.7(1)"a"(1) IAC 567 121.7(1)"a"(2)</p> | <input type="checkbox"/> |
| Section D | Soil testing | IAC 567 121.7(1)"a"(9) | <input type="checkbox"/> |
| Section E | Water table levels | IAC 567 121.7(1)"a"(10) | <input type="checkbox"/> |
| Section F | <p>Review by Soil Conservation District that includes the following:</p> <ul style="list-style-type: none"> • Soil loss limits applicable to the site • Design soil loss levels for the site • Estimated current soil loss levels <p><i>The review may be done by the Natural Resources Conservation Service or a Professional Agronomist in lieu of the Soil Conservation District.</i></p> | <p>IAC 567 121.7(1)"a"(3) IAC 567 121.7(1)"a"(6) IAC 567 121.7(1)"a"(7) IAC 567 121.7(1)"a"(8)</p> | <input type="checkbox"/> |
| Section G | Proof of ownership or legal entitlement to use the site. (Agreement with landowner or tenant) <i>One document may be submitted for multiple sites with the same landowner or tenant.</i> | IAC 567 121.7(1)"b"(6) | <input type="checkbox"/> |

Section 3. Applicant Certification

Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete.

I further certify that the construction and operation of the above described facility will be in accordance with the plans, specifications, reports and related communications accepted by the Iowa Department of Natural Resources and on file in its office; and in accordance with conditions imposed in the permit issued by the Iowa Department of Natural Resources.

Signature:  Date: 10-28-2024

Printed Name: Bob Henderson Title: _____

Land Application Agreement

On 10-26-2024 (Date), Ecosystems, Inc. and Bob Henderson (Owner(s) and or tenant(s)) in return for the mutual consideration extended by each party to the other hereby agree as follows:

1. Ecosystems, Inc. has a contract to remove certain "thickened sludge" from JBS in Ottumwa, Iowa.
2. Ecosystems, Inc. has informed the owner that thickened sludge may contain certain nutrient values that can be applied to the owner's land.
3. The owner's land can be described as follows:

| Site(s): | County(ies): | Township(s): | Section(s): |
|-----------|--------------|--------------|-------------|
| Gurgily | Monroe | Bluff Creek | 13 |
| Shelquist | Monroe | Bluff Creek | 25, 26 & 36 |

4. The land described above contains 360 acres, approximately.
5. Ecosystems, Inc. will apply the thickened sludge by surface application.
6. Ecosystems, Inc. will perform the application at a suitable time. Notification will be attempted before the land application.
7. Applying thickened sludge requires the use of heavy equipment. The owner and/or tenant understand that the equipment may cause some compaction of the earth and/or minor tracking and rutting.
8. No warranties. Ecosystems, Inc. makes no warranties, either expressed or implied, as to the value of the thickened sludge for nutrient purposes. There are no express warranties, implied warranties, or fitness for a particular purpose.
9. Compliance. Ecosystems, Inc. will be responsible with/to all DNR, EPA, IDALS, and all other federal, state, and county rules, regulations, and statutes. Ecosystems, Inc. shall not intentionally exceed application recommendations per Iowa State University recommendations and soil test results. Our goal is not to exceed recommendations by more than 5%.
10. Entire agreement. This document constitutes the entire agreement. There are no oral modifications to this agreement.

Owner and/or tenant's signature: Bob Henderson

(Dated): 10-26-2024

Ecosystems, Inc. representative signature: Kelli Jumpy

(Dated): 10-26-2024



ProfitPro, LLC ■ 408 S. 1st Ave. ■ Albert Lea, MN 56007
Ph: 507.373.2550 ■ Fax: 507.373.2520
Email: info@profitproag.com ■ www.profitproag.com

September 9th, 2024

To whom it may concern,

In regards to Section F of the land Application of Solid Waste Form, I have looked at the fields and the operation that will have the solid waste applied and there should be no erosion concerns. I have been working with this operation for several years and they are using cover crops in front of soybeans and using very little tillage to conserve soil. They have a genuine concern about conserving soil. I have been an Iowa CCA for over 20 years.

Sincerely,

A handwritten signature in cursive script that reads "Dennis Klockenga".

Dennis Klockenga, CCA

Crop Management Consultant

dklockenga@profitproag.com
320-333-1608

USGS 410650092433601 073N16W20BADA 23101 1971

Available data for this site SUMMARY OF ALL AVAILABLE DATA Water-Quality: Field/Lab samples Groundwater: Field measurements Revisions

Monroe County, Iowa

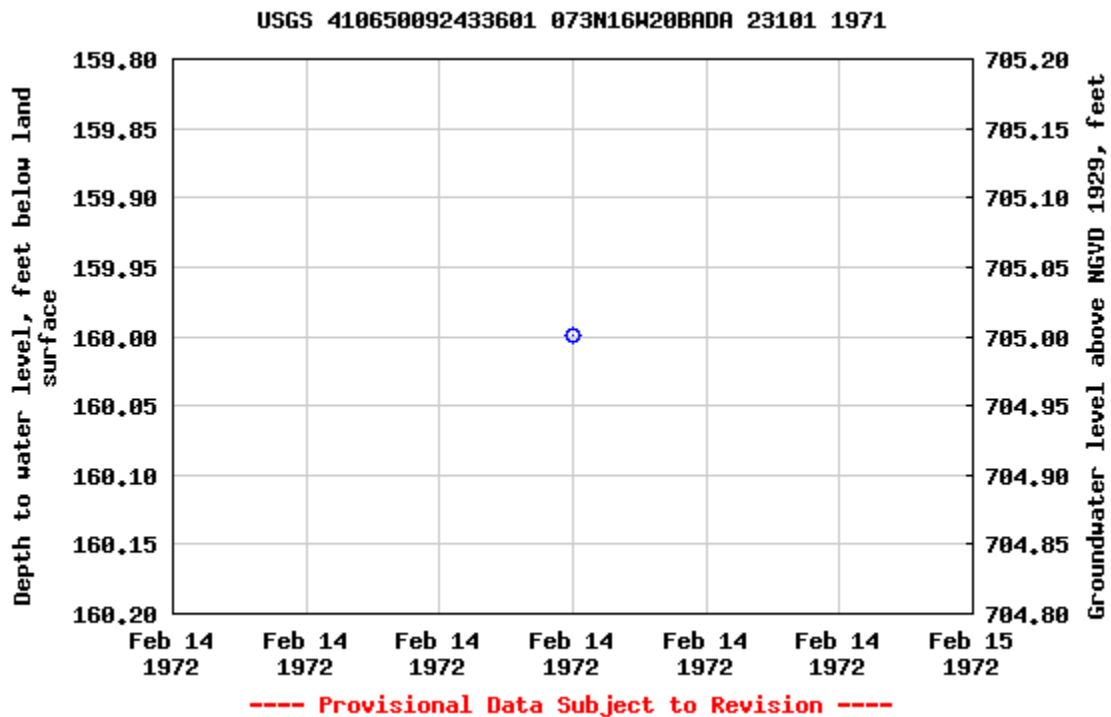
Hydrologic Unit Code 07100009

Latitude 41°06'50", Longitude 92°43'36" NAD27

Land-surface elevation 865 feet above NGVD29

The depth of the well is 365 feet below land surface.

This well is completed in the Warsaw Formation (338WRSW) local aquifer.





Account No.: 770
 Invoice No.:
 Date Recd: 1/31/2022
 Date Repd: 2/2/2022

Name: BOB HENDERSON
 Company:
 Address: 7238 165TH ST
 City, State, ZIP: ALBIA, IA 52531

SOIL ANALYSIS REPORT

| Lab # | Sample Information | | | | Nitrate | Nitrate | Phos | Potassium | Calcium | Magnesium | Sodium | CEC | % Saturation | | | | | |
|-------|--------------------|--------------|----|--------|-----------|---------|--------|-----------|---------|-----------|--------|---------|--------------|----|----|----|---|---|
| | | | | | ppm NO3-N | lbs/A N | ppm P | ppm K | ppm Ca | ppm Mg | ppm Na | me/100g | % | % | % | % | % | % |
| | 1N KCl | 1N KCl | M3 | NH4OAc | NH4OAc | NH4OAc | NH4OAc | NH4OAc | Base | H | Ca | Mg | K | Na | | | | |
| 804 | BOB HENDERSON | PETE EOH | 1 | 0-8 | 8.5 | 20 | 10 | 73 | 1988 | 258 | 12 | 12.3 | 100 | - | 81 | 17 | 2 | 0 |
| 805 | BOB HENDERSON | NE CORNER | 2 | 0-8 | 11.5 | 28 | 17 | 103 | 2330 | 332 | 10 | 14.7 | 100 | - | 79 | 19 | 2 | 0 |
| 806 | BOB HENDERSON | SW CORNER | 3 | 0-8 | 11.0 | 26 | 13 | 78 | 2460 | 349 | 12 | 15.5 | 100 | - | 80 | 19 | 1 | 0 |
| 807 | BOB HENDERSON | CURT G | 4 | 0-8 | 5.2 | 13 | 17 | 123 | 2607 | 540 | 17 | 17.9 | 100 | - | 73 | 25 | 2 | 0 |
| 808 | BOB HENDERSON | SHEL Q | 5 | 0-8 | 10.4 | 25 | 78 | 204 | 2344 | 243 | 12 | 14.3 | 100 | - | 82 | 14 | 4 | 0 |
| 809 | BOB HENDERSON | FOR SHED | 6 | 0-8 | 8.8 | 21 | 80 | 105 | 2318 | 247 | 16 | 14.0 | 100 | - | 83 | 15 | 2 | 1 |
| 810 | BOB HENDERSON | ANDY N RIDGE | 7 | 0-8 | 21.9 | 53 | 54 | 103 | 2586 | 339 | 13 | 16.1 | 100 | - | 80 | 18 | 2 | 0 |
| 811 | BOB HENDERSON | ANDY S ROAD | 8 | 0-8 | 16.8 | 40 | 86 | 95 | 2351 | 332 | 17 | 14.8 | 100 | - | 79 | 19 | 2 | 1 |
| | | | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | | | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | | | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

| Lab # | Soil pH | Buffer pH | Soluble Salt | Excess | Soil OM | Sulfur | Zinc | Iron | Manganese | Copper | Boron | Chloride | Org. C | Tot. C | Tot. N | Ammonium |
|-------|---------|-----------|--------------|--------|---------|--------|--------|--------|-----------|--------|-------|----------|--------|--------|--------|-----------|
| | S. U. | S. U. | mmho/cm | Lime | % | ppm S | ppm Zn | ppm Fe | ppm Mn | ppm Cu | ppm B | ppm Cl | % C | % C | % N | ppm NH4-N |
| | 1:1 H2O | Mod. WDRF | 1:1 H2O | Rating | LOI | M3 | DTPA | DTPA | DTPA | DTPA | H2O | CaNO3 | LECO | LECO | LECO | 1N KCl |
| 804 | 6.9 | - | 0.25 | NONE | 3.6 | 17.83 | 9.86 | 35 | 16.0 | 0.68 | 0.59 | - | - | - | - | - |
| 805 | 7.7 | - | 0.24 | NONE | 3.8 | 10.92 | 2.65 | 24 | 10.0 | 0.57 | 0.74 | - | - | - | - | - |
| 806 | 7.5 | - | 0.25 | NONE | 3.2 | 10.46 | 2.25 | 18 | 6.5 | 0.64 | 0.54 | - | - | - | - | - |
| 807 | 7.2 | - | 0.17 | NONE | 3.4 | 8.80 | 1.41 | 47 | 9.1 | 0.99 | 0.74 | - | - | - | - | - |
| 808 | 7.4 | - | 0.19 | NONE | 4.0 | 7.40 | 2.83 | 54 | 8.2 | 0.72 | 0.54 | - | - | - | - | - |
| 809 | 7.7 | - | 0.14 | NONE | 4.9 | 9.76 | 9.73 | 30 | 4.7 | 0.64 | 0.87 | - | - | - | - | - |
| 810 | 7.5 | - | 0.24 | NONE | 4.5 | 7.90 | 2.80 | 41 | 5.4 | 0.75 | 0.92 | - | - | - | - | - |
| 811 | 7.6 | - | 0.17 | NONE | 5.3 | 10.56 | 5.17 | 34 | 3.8 | 0.63 | 0.80 | - | - | - | - | - |
| | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

Reviewer Comments

Reviewed By: Emily Shafto Analysis Performed by Regen Ag Lab, LLC
 Date: 2/3/2022

mit # 90-SDP-15-16P: Master Site List - IDNR Table 1

| Site Name | Legal Description | Section |
|------------------------|--|----------------|
| Adam Campbell | W 1/2 of SE 1/4 | 29 |
| Adam Dahlonga | NE1/4 | 10 |
| Adam Davis Franklin | Sec 1, SE1/4 Sec 2, NW1/4 & NE1/4 Sec 12 | 1, 2, 12 |
| Adam Emery | W 1/2 of SW 1/4 | 6 |
| Adam Home | NW1/4, NE1/4, SW1/4 & SE1/4 Sec 1, NE1/4 Sec 12 | 1, 12 |
| Adam Libertyville West | E 1/2 | 12 |
| Adam Mast | NW1/4 Sec 27, NE1/4 Sec 28 | 27, 28 |
| Adam South McNeil | NW1/4 | 6 |
| Adam Teninty | NE1/4 | 21 |
| Adam Thomann South | SW 1/4 | 28 |
| Adam Vandenberg | SW1/4, SE1/4 Sec 22; SW1/4 Sec 23; NW1/4, NE1/4 Sec 27 | 22, 23, 27 |
| Adam Clark | W1/2 NE Sec 35; W1/2 SE Sec 26 | 26, 35 |
| Gary South | E 1/2 SE1/4 Sec 13; E1/2 NE1/4 Sec 24 | 13, 24 |
| Charlie's House | NW1/4 NW1/4 | 19 |
| Johnson 70 & 40 | E1/2 SW1/4, SW1/4 SE1/4 | 24 |
| Watkins | SW1/4 | 25 |
| Robinson 100 | NE1/4 NW1/4, N1/2 NE1/4 | 26 |
| Bender | SE1/4 SW1/4, S1/2 SE1/4 Sec 26; NE1/4 NW1/4, N1/2 NE1/4 Sec 35 | 26, 35 |
| Jirsa | NE1/4 | 32 |
| Barriers | NE1/4 SW1/4, N1/2 SE1/4 | 20 |

| | | |
|---|---|----------------|
| Kenny Black | E1/2 SW1/4, W1/2 SE1/4 | 29 |
| Durflingers | N1/2 SE1/4 | 34 |
| Walkers | NW1/4 SW1/4 | 36 |
| Cardinal School | NE1/4 SE1/4 | 6 |
| Sedore | E1/4 NE1/4, N1/2 & SW1/4 SW1/4 Sec 5; NE1/4 NW1/4, NW1/4 NE1/4 Sec 8; SW1/4 NE1/4 Sec 9 | 5, 8, 9 |
| Kenny Black | E 1/2 SW 1/4, SE 1/4 Sec 29; W 1/2 SW 1/4 Sec 28 | 28, 29 |
| Brown Gibson | SE1/4, SW1/4 Sec 35; NE1/4, NW1/4, SE1/4, SW1/4 Sec 36 | 35, 36 |
| Brown Ewing | NW1/4, SW1/4 | 31 |
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| | | |
| <u>Approved Sites Added by Eco Systems</u> | | |
| Booth | Section 11: S 1/2 of S 1/2, SE 1/4, and SW 1/4 of NW 1/4 Section 14: N1/4 of N 1/2 | 11, 14 |
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| | | |
| Farmer | Address | Phone |
| Nick Adam | 100 1st St, Batavia, IA 52533 | (641) 777-5070 |
| Mike Hammes | 1538 200th Street, Batavia, IA 52533 | (641) 919-9758 |
| Dennis Brown | 2779 340th St, Cedar, IA 52543 | (641) 933-4896 |
| Pat Hammes | 1436 Hwy 34, Batavia, IA 52533 | 641-919-1814 |
| | | |
| New Farmers | | |

| | | |
|----------------------|--|---------------|
| Tim Hale | 10212 Quince Blvd, Bloomfield, IA 52537 | |
| Bob Henderson | 7238 165th St, Albia, IA 52531 | (641)777-0843 |
| | | |
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| | | |
| | | |
| New Additions | | |
| Hale Home | Section 1: S1/2 of SW1/4; Section 2: NE1/4 & S1/2; Section 11: N1/2 of NW1/4 & NE1/4; Section 12: N1/2 of NW1/4 | 1,2,11 & 12 |
| Hale Houk | Section 34: S1/2 & S1/2 of NW1/4 | 34 |
| Hale Martz | Section 35: SW1/4; S1/2 of SE1/4 & NW1/4 of SE1/4 | 35 |
| Gurgily | NW 1/4; NW 1/4 of NE 1/4, and NE 1/4 of SW 1/4 | 13 |
| Shelquist | Sec 26: SE 1/4 of SE 1/4; Sec 25: SW 1/4 of SW 1/4; Sec 36: NE 1/4 of NW 1/4 | 26, 25 & 36 |
| | | |
| | | |

| Township | Township | County | State | Acreage | Spreadable Acres |
|-----------------|-----------------|---------------|--------------|----------------|-------------------------|
| Competine | 73N, 12W | Wapello | IA | 77 | 69 |
| Agency | 72 N; 13 W | Wapello | IA | 157 | 124 |
| Franklin | 70 N; 12 W | Davis | IA | 743 | 709 |
| Des Moines | 71N, 11W | Jefferson | IA | 112 | 85 |
| Washington | 71N, 12W | Wapello | IA | 562 | 417 |
| Des Moines | 71N, 11W | Jefferson | IA | 263 | 263 |
| Lancaster | 74N, 12W | Keokuk | IA | 120 | 120 |
| Des Moines | 71N, 11W | Jefferson | IA | 78 | 76 |
| Pleasant | 72 N; 12 W | Wapello | IA | 38 | 25 |
| Pleasant | 72N, 12W | Wapello | IA | 120 | 120 |
| Pleasant | 72 N; 12 W | Wapello | IA | 453 | 417 |
| Pleasant | 72N; 12 W | Wapello | IA | 150 | 147 |
| Agency | 72 N; 13 W | Wapello | IA | 119 | 102 |
| Agency | 72 N; 12 W | Wapello | IA | 29 | 21 |
| Agency | 72 N; 13 W | Wapello | IA | 107 | 106 |
| Agency | 72 N; 13 W | Wapello | IA | 116 | 110 |
| Agency | 72 N; 13 W | Wapello | IA | 97 | 97 |
| Agency | 72 N; 13 W | Wapello | IA | 158 | 150 |
| Pleasant | 72 N; 12 W | Wapello | IA | 140 | 138 |
| Pleasant | 72 N; 12 W | Wapello | IA | 117 | 105 |

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| Lick Creek | 70N; 13W | Davis | IA | 805 | 504 |
| Keokuk | 71N; 13W | Wapello | IA | 400 | 258 |
| Keokuk | 71N; 13W | Wapello | IA | 270 | 173 |
| Bluff Creek | 73N; 17W | Monroe | IA | 240 | 122 |
| Bluff Creek | 73N; 17W | Monroe | IA | 120 | 93 |
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| Tim Hale | 40.893317, -92.323237 |
| Tim Hale | 40.905908, -92.335267 |
| | |
| Tim Hale | 40.906195, -92.329698 |
| | |
| Bob Henderson | 41.127844, -92.773220 |
| | |
| Bob Henderson | 41.090069, -92.770276 |
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