SCS ENGINEERS

October 31, 2023 File No. 27223455.00

Mr. Scott Logsdon Winneshiek County Recycling 2510 172nd Avenue Decorah, Iowa 52101

Subject:

Appliance Demanufacturing Permit Application

Winneshiek County Recycling

Dear Scott.

Please find enclosed the appliance demanufacturing permit application for Winneshiek County Recycling prepared by SCS Engineers. Financial assurance in one of the forms listed in IAC 567 Chapter 118.16(6) which will need to be acquired for the amount listed in the closure cost estimate included in Section L of the permit application materials. Your signature on Permit Application Form 50D will also be needed to complete the application before submittal to the lowa Department of Natural Resources.

If you have any questions about this submittal, please contact us as noted below.

Sincerely,

Kevin Jensen Senior Project Professional SCS Engineers

kjensen@scsengineers.com

(515) 368-3155

Jeff Phillips Project Manager

SCS Engineers

jdphillips@scsengineers.com

(515) 249-7554

KAJ/JDP

Encl. Appliance Demanufacturing Permit Application - Winneshiek County Recycling



IOWA DEPARTMENT OF NATURAL RESOURCES

Appliance Demanufacturer



PERMIT APPLICATION FORM 50D

New Permit	Permit Renewal #	ADP	Permit Amendment
• •	ppliance demanufacturer musted by the applicable solid waste		s, specifications and additional tive Code 567 Chapter 118.
Send completed ap	plications with attached inform	ation to:	
Iowa Departme Land Quality Bu Solid Waste Sec 502 East Ninth S Des Moines, IA	tion Street		
For questions conce	erning this application please co	ontact the Department at (515	5) 217-0872.
	Y CONTACT INFORMATION		
Address:			
Phone:	Fax:	Email:	
Name of Responsib	le Official:		
Address:			
Phone:	Fax:	Email:	
Name of Facility Op	erator:		
Phone:			
Site Legal Description	on:		County
-	¼ of ¼ Sec		
Facility Owner:			
Address:			
Phone:	Fax:	Email:	
Name of Design Eng	vineer (P.F.), if any:		License #:
Address:			Election II.
Phone:	Fax:	Email:	

SECTION 2. SITE INFORMATION
Days and hours of operation of the facility:
Open to the public?
Service area of the facility and final disposal destination of components:
Service Area:
Disposal Facility:
Type, source <u>and</u> number or weight of appliances to be handled per day, week and year at the facility:
per day
per week
per year
Description of the appliance handling and demanufacturing process to be used:

SECTION 3. 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. While some of the documents below may have been submitted previously, <u>updated copies of each is required to be provided with each permit renewal application</u>. 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
Section A.	 Executive Summary (permit renewals only) Summary of modifications, if any, to the facility that occurred during the current permit cycle. Summary of each special provision of the current permit to determine if it is to remain the same, be revised or be removed. Summary of each permit amendment, if any, that occurred during the current permit cycle to determine if it shall be included with the renewed permit, be revised or be removed. Provide documentation and certification as required for new permit amendment requests and new variance requests from Iowa Administrative Code, if any. 		
Section B.	Site Map or Aerial Photograph	IAC 567 118.6(6)	
Section C.	Proof of Ownership/Local Zoning Requirements/100 yr. flood elevation	IAC 567 118.6(15) IAC 567 118.7(3)	
Section D.	Organizational Chart	IAC 567 102.12(5)	
Section E.	Operator Certification	IAC 567 118.6(13)	
Section F.	EPA Refrigerant Recovery Device Certification (EPA Certified Unit)	IAC 567 118.6(8)	
Section G.	EPA Notification of PCB Activity	IAC 567 118.6(12)	
Section H.	Unique Marking System	IAC 567 118.6(14)	
Section I.	Site Operation Plan	IAC 567 118.6(9)	
Section J.	Contingency Plan	IAC 567 118.6(10)	
Section K.	Site Closure Plan	IAC 567 102.12(10)	
Section L.	Proof of Financial Assurance and Closure Cost Estimate	IAC 567 118.16	

SECTION 4. 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 lowa Department of Natural Resources and on file in its office; and in accordance with conditions imposed in the permit issued by the lowa Department of Natural Resources.

Signature:	Date:
Printed Name:	Title:

Section B

SITE MAP

Section B: Site Map

Winneshiek County Recycling 2510 172nd Avenue Decorah, IA 52101 563-382-6514



Section C PROOF OF OWNERSHIP/ LOCAL ZONING REQUIREMENTS



Appliance Demanufacturing Zoning Verification Form

To Whom It May Concern:

I am in the process of applying for an appliance Demanufacturing permit through the Iowa Department of Natural Resources. Department permit requirements include conformation from the zoning department that my facility meets zoning requirements for appliance Demanufacturing and verification that the property is located above the 100 year flood plain.

Iowa Code Chapter 118 states that all appliances must be demanufactured before being recycled or disposed of. Appliance demanufacturing consists of ensuring proper removal and disposal of electrical components containing PCB's, refrigerant, and mercury switches.

My appliance Demanufacturing facility is located at: Street Address City ____ Zip Code ____ I request that you please fill out the information below and return to: Iowa Department of Natural Resources Land Quality Bureau Attn Sue Johnson 502 E 9th St Des Moines IA 50319 Fax: 515-725-8202 **Zoning Department** I have reviewed zoning requirements for the property listed above and (check all that apply): I verify that the property is located above the 100 year flood plain and is properly zoned for appliance demanufacturing. The property is not zoned correctly and is located in the 100 year flood zone. Please see comments below. The property is not zoned for appliance Demanufacturing activity, please see comments below. Comments: Digitally signed by Anthony L. Phillips Anthony L. Phillips Date: 2023.10.24 11:46:40 -05'00' Zoning Official Signature Phone Number Date

04/2021 cmc DNR Form 542-0167

Beacon[™] Winneshiek County, IA



201 W Main St

Decorah, IA 52101-1775

Parcel ID

111335700100

13-98-8 Sec/Twp/Rng

Property Address 2510 172ND AVE

DECORAH

District **Brief Tax Description** DECORAH TWP. DECORAH COMM.

Class

Acreage

1.96

LOT 8 FREEPORT

INDUSTRIAL PARK 1ST

ADDN & S 1/2 VAC.

ALLEY ADJ. & VAC

S1/2 ALLEY ADJ TO

LOT 8 & VAC S 9' OF

CURRIER ST ADJ TO

BLK S 12,13,17 DAHLY

& FANNON ADDN

(Note: Not to be used on legal documents)

Date created: 10/24/2023

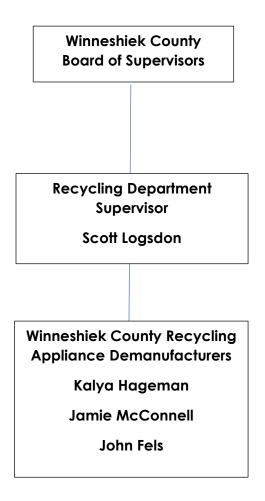
Last Data Uploaded: 10/23/2023 11:34:21 PM



Section D ORGANIZATIONAL CHART

Section D: Organizational Chart

Winneshiek County Recycling 2510 172nd Avenue Decorah, IA 52101



Section E OPERATOR CERTIFICATION

Certificate of Completion

presented to

Kayla Hageman

For successful completion of the Iowa DNR approved Appliance Demanufacturing Training Course conducted by SCS Engineers on October 9, 2023 in West Des Moines, Iowa.

SCS ENGINEERS Kevin Jensen Senior Project Professional

Certificate of Completion

presented to

Jamie McConnell

For successful completion of the Iowa DNR approved Appliance Demanufacturing Training Course conducted by SCS Engineers on October 9, 2023 in West Des Moines, Iowa.



Kevin Jensen Senior Project Professional

Certificate of Completion

presented to

John Fels

For successful completion of the Iowa DNR approved Appliance Demanufacturing Training Course conducted by SCS Engineers on October 9, 2023 in West Des Moines, Iowa.

SCS ENGINEERS Kevin Jensen Senior Project Professional

Section G EPA NOTIFICATION OF PCB ACTIVITY



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

October 30, 2023

OFFICE OF LAND AND EMERGENCY MANAGEMENT

SCOTT LOGSDON 2510 172ND AVE DECORAH, IA 52101

Subject: Notification of PCB Activity

Thank you for filing the Notification of PCB Activity form for the facility location listed below:

Received: October 24, 2023

TSCA ID Number: IATSCA112489

Handler Name: WINNESHIEK COUNTY RECYCLING

Location Address: 2510 172ND AVE

DECORAH, IA 52101

EPA's Office of Resource Conservation and Recovery (ORCR) is issuing the above TSCA identification number to the listed facility. This number may only be used for PCB-related activities and may not be used for any other regulated hazardous waste activities.

If you have also applied for a Regulated (Hazardous) Waste EPA ID number under RCRA, you may request a consolidation of your RCRA identification number and TSCA identification number upon receipt of your RCRA EPA ID number. To do so, ORCR would require confirmation of the RCRA identification number that has been assigned to your facility. A copy of the RCRA ID Assignment Form (8700-12A(6-90)) for your facility would be an example of acceptable documentation.

If you have any questions regarding the PCB waste handlers database, please contact the ORCR PCB Team at ORCRPCBs@epa.gov.

Sincerely,

Amanda Kohler, ORCR Permits Branch Chief

Almh Kal

Section H UNIQUE MARKING SYSTEM

Section H: Unique Marking System

Winneshiek County Recycling 2510 172nd Avenue Winneshiek, IA 52101

Symbol applied to demanufactured appliances at this site.



Section I SITE OPERATION PLAN

Appliance Demanufacturing Operations Plan Winneshiek County Recycling

Below is a detailed summary of the activities that will be performed for appliances that are considered for demanufacturing. Refrigerant, mercury-containing items (including fluorescent tubes), and PCB-containing items will be removed, handled, disposed of, and recorded in accordance with Iowa Administrative Code 567 Chapter 118.9 (455B,455D) – 118.11 (455B, 455D).

Kitchen Range/Stoves:

Remove the back of the stove and check for ballast and fluorescent bulbs. Check for thermocouple and mercury switches. Check for PCB capacitors. Note number of any identified PCB and/or mercury-containing material and place in appropriately marked containers. Use a paint or similar marking media to apply approved mark and place discarded appliance in the demanufactured appliance storage area.

Dryers:

Remove dryer back to gain access to the motor and gas inlets. Look for PCB capacitors, mercury switches, and mercury thermocouples. Note number of any identified PCB and/or mercury-containing components and place in appropriately marked containers. Use a paint or similar marking media to apply approved mark and place discarded appliance in the demanufactured appliance storage area.

Dehumidifiers:

Identify refrigerant, if possible, and remove cover from the compressor. Look for PCB capacitors. Reclaim refrigerant and record amount removed. Attempt to drain as much oil as possible from compressor, taking care not to allow spillage of oil. Note number of any identified PCB material and place in appropriately marked containers. Use a paint or similar marking media to apply approved mark and place discarded appliance in the demanufactured appliance storage area.

Gas Water Heaters:

Remove control panels and look for mercury thermocouples and mercury switches in the burner area. Look for PCB capacitors. Note number of any identified PCB and/or mercury-containing components and place in appropriately marked containers. Use a paint or similar marking media to apply approved

mark and place discarded appliance in the demanufactured appliance storage area.

Freezers:

Identify refrigerant, if possible, and inspect for PCB capacitors, lights, and mercury switches. Reclaim refrigerant and record amount removed. Attempt to drain as much oil as possible from compressor, taking care not to allow spillage of oil. Note number of any identified PCB material and/or mercury-containing components and place in appropriately marked containers. Use a paint or similar marking media to apply approved mark and place discarded appliance in the demanufactured appliance storage area.

Refrigerators:

Identify refrigerant, if possible, and inspect for PCB capacitors, lights, and mercury switches. Recover refrigerant and record amount collected. Attempt to drain as much oil as possible from compressor, taking care not to allow spillage of oil. Note number of any identified PCB material and/or mercury-containing components and place in appropriately marked containers. Use a paint or similar marking media to apply approved mark and place discarded appliance in the demanufactured appliance storage area.

Air Conditioners:

Identify refrigerant, if possible, and inspect for PCB capacitors and mercury switches. Recover refrigerant and record amount collected. Attempt to drain as much oil as possible from compressor, taking care not to allow spillage of oil. Note number of any identified PCB material and/or mercury components and place in appropriately marked containers. Use a paint or similar marking media to apply approved mark and place discarded appliance in the demanufactured appliance storage area.

Clothes Washing Machines:

Remove controls and inspect for PCB capacitors and tilt switch and other mercury switches. Note number of any identified PCB material and/or mercury-containing components and place in appropriately marked containers. Use a paint or similar marking media to apply approved mark and place discarded appliance storage area.

Microwaves:

Remove panels to gain access to the motor. Look for PCB capacitors. Note number of any identified PCB material and place in appropriately marked containers. Use a paint or similar marking media to

apply approved mark and place discarded appliance in the demanufactured appliance storage area.

Dishwashers:

Remove panels and controls to gain access to the motor. Look for PCB capacitors, mercury switches, and mercury probes. Note number of any identified PCB material and/or mercury-containing components and place in appropriately marked containers. Use a paint or similar marking media to apply approved mark and place discarded appliance in the demanufactured appliance storage area.

Other Appliances:

Evaluate the potential for the appliance to contain hazardous materials. Look for and recover refrigerants, PCB capacitors, and mercury components. Note number of any identified PCB material and/or mercury-containing components and place in appropriately marked containers. Use a paint or similar marking media to apply approved mark and place discarded appliance in the demanufactured appliance storage area.

Section J CONTINGENCY PLAN

Appliance Demanufacturing Contingency Plan Winneshiek County Recycling

In case of equipment failure or fire or situations when appliances can't be processed in a timely manner, Winneshiek County Recycling will coordinate with other permitted appliance demanufacturing facilities in the area. Any appliances not able to be processed by Winneshiek County Recycling will be transported to other facility(s) or regional collection centers, which will perform demanufacturing activities.

Winneshiek County Recycling currently hauls hazardous materials and waste to Floyd-Mitchell-Chickasaw County Regional Collection Center and Landfill which accepts waste appliances and household hazardous waste.

Section K SITE CLOSURE PLAN

Site Closure Plan Winneshiek County Recycling

In the event of closure, written notification will be provided to the lowa Department of Natural Resources (IDNR) central office and field office at least 90 days prior to the planned closure. The following activities will be completed:

- 1) Removal of appliances that have not been demanufactured.
 - i) All appliances that have not been processed will be transported to a local permitted demanufacturing facility. Winneshiek County Recycling utilizes contract transporters for other operations or can hire other local contractors as needed.
- 2) Proper disposal of refrigerant, PCB's, mercury, refrigerant, and other hazardous materials.
 - The service provider for regular hazardous material collection will be contacted to collect all accumulated hazardous materials and contaminated storage containers; or
 - ii) The hazardous materials will be transported to a Regional Collection Center (RCC) or will be collected by a third-party waste contractor.
- 3) Submission of an annual report covering January through the last disposal of hazardous materials, PCB's, and refrigerant.
 - i) An annual report will be prepared and submitted to the IDNR covering January through the last disposal of hazardous materials, PCBs, and refrigerants.

Section L PROOF OF FINANCIAL ASSURANCE AND CLOSURE COST ESTIMATE

Closure Cost Estimate

Winneshiek County Recycling - 2510 172nd Avenue, Decorah, Iowa

a-2. Appliances I. Labor II. Transportation 2 \$ 40.00 hour \$ 80.00 mile \$ 144.00 hour \$ 140.00 ho		1			Cost per unit		
a-2. Appliances I. Labor 2 \$ 40.00 hour \$ 80 II. Transportation 48 \$ 3.00 mile \$ 144		I	\$	145.00	lump sum	\$	145
1. Labor 2 \$ 40.00 hour \$ 80 11. Transportation 48 \$ 3.00 mile \$ 144	a-2. Appliances	•	Ψ			Ψ.	
II. Transportation 48 \$ 3.00 mile \$ 144		2	\$	40.00	hour	\$	80
							144
	III. Disposal	30	\$	10.00	each	\$	300
a-3. Collection of PCB's, mercury, and fluorescent bulbs	·		,			,	
I. Labor, transportation, and disposal							
		25	\$	6.75	per pound	\$	169
	·						74
							50
	·				•		16
a-4 Collection of refrigerant			•				
· · · · · · · · · · · · · · · · · · ·		2	\$	40.00	hour	\$	80
·	II. Transportation						306
	·	1					40
	·	35			•		210
	· · · · · · · · · · · ·		,		1 1	,	-
Total for Section a: \$ 1,613	Total for Section a:					\$	1,613
b. Cleaning and decontaminating	b. Cleaning and decontaminating						
(See notes on next page for explanation)	(See notes on next page for explanation)						
b-1. Arranging cleaning services 1 \$ 145.00 lump sum \$ 145	b-1. Arranging cleaning services	1	\$	145.00	lump sum	\$	145
b-2. Cleaning and decontaminating	b-2. Cleaning and decontaminating						
I. Equipment 2 \$ 35.00 hour \$ 70	I. Equipment	2	\$	35.00	hour	\$	70
	II. Storage facilities	3	\$	35.00	hour		105
	III. Holding areas	3		35.00	hour		105
	IV. Drainage collection systems	0	\$	0.00	NA		0
	b-3. Disposal of one week volume of washwater	0	\$	0.00	NA		0
	b-4. Material and supplies (chemical drying agent, etc.)	1		25.00	lump sum		25
 							
Total for Section b:	Total for Section b:					\$	450
c. Costs for maintaining financial assurance pursuant to any other provisions of	c. Costs for maintaining financial assurance pursuant to any other provisions of						
	•	0	\$	0	NA	\$	0
(See notes on next page for explanation)		Ü	Ψ	J		*	J
	,						
Total for Section c: \$ (Total for Section c:					\$	0
						D	
TOTAL CLOSURE COST \$ 2,063	TOTAL CLOSURE COST					\$	2,063

Notes

a. Labor, transportation, and disposal of appliances and hazardous materials

- a-2. Temporary storage of materials in or on transportation vehicles, waste receptacles, or drums is included in this estimate.
- a-2. Estimate is for appliances yet to be demanufactured, as demanufactured units have a positive value as scrap metal.
- a-2. Mr. Logsdon stated 30 appliances was the maximum storage quantity that would be present on-site; to include standard appliances and no RV-ammonia/sodium chromate units. (meeting, 10/9/2023).
- a-2 | & II. Similar quoted hauling service to Floyd-Mitchell-Chickasaw County RCC (Scrap Processors, Phone, 9/28/23).
- a-2 III. Floyd-Mitchell-Chickasaw County RCC takes appliances for \$10 (Website, 10/30/23).
- a-3. Since this facility is not yet in operation, these volumes are estimated from a demanufacturing facility with a similar number of units reported in a-2.
- a-3. Price sheet from A-Tec Recycling in Des Moines minimum \$200 pickup (A-Tec sheet, 10/30/23).
- a-3. Temporary storage of materials in or on transportation vehicles, waste receptacles, or drums is included in this estimate.
- a-4 | & II. Similar quoted hauling service to Rupublic of Dubuque (Scrap Processors, Phone, 9/28/23).
- a-4 III. Republic of Dubuque accepts mixed or unknown refrigerant containers for \$40 each plus \$6 per pound. (phone, 10/30/2023). Ammonia/Sodium Chromate refrigerant will not be accepted.

b. Cleaning and decontaminating

- b-2. Estimate based on standard labor cost.
- b-2. The facility has an aporoximately 1,500 square foot indoor work and storage area. Appliances in need of demanufacture will only be stored in the storage area. Outdoor holding areas will be utilized for demanufactured appliances.
- b-3. There are no wash water storage tanks on-site.
- b-4. Any oil spillage in the area could be absorbed by a chemical drying agent and disposed.

c. Costs for maintaining financial assurance pursuant to other provisions of 567 - Chapters 100 to 123

c. This financial assurance is applicable only to IAC 567, Chapter 118.

Important: If unit or cost figures are expected to exceed the stated figures in the closure cost estimate, the owner/operator will be required to have the closure cost estimate updated by a licensed professional engineer, the financial assurance mechanism value increased, and documentation submitted to the lowa Department of Natural Resources per 118.16(455B, 455D).

