SCS ENGINEERS

Transmittal

West Des Moines, IA

PROJECT:	Woodbury Co,FY25 Env Comp,IA 27223172.25	DATE:	10/31/2024
SUBJECT:	Woodbury County Transfer Station - 97-SDP-18-06P-XFR - 2024 Annual Inspection Report	TRANSMITTAL ID:	00002
PURPOSE:	For your approval	VIA:	Info Exchange

FROM

NAME	COMPANY	EMAIL	PHONE
Sean Marczewski West Des Moines, IA	SCS Engineers	SMarczewski@scsengineers.com	+1-515-631-6152

TO

NAME	COMPANY	EMAIL	PHONE
chad.stobbe@dnr.iowa.gov		chad.stobbe@dnr.iowa.gov	

REMARKS:

Chad -

Please find for your download the Woodbury County Transfer Station 2024 Annual Inspection report. Let us know if you have any questions or comments.

Thanks,

Sean A. Marczewski
Project Professional
SCS Engineers
1690 All-State Court, Suite 100
West Des Moines, Iowa 50265
712-661-9682 (C)
515-631-6152 (O)
smarczewski@scsengineers.com

DESCRIPTION OF CONTENTS

QTY	DATED	TITLE	NOTES
1	10/31/2024	Woodbury County Transfer Station - 97-SDP-18-06P-XFR - 2024 Inspection Report 10.31.2024.pdf	

COPIES:

Becky Jolly
Jeanette Beekman (Woodbury County Area Solid Waste Agency)
Christine Collier (SCS Engineers)
Sean Marczewski (SCS Engineers)

October 31, 2024
File No. 27223172.25

Mr. Chad Stobbe
Iowa Department of Natural Resources
Land Quality Bureau
6200 Park Avenue
Des Moines, Iowa 50321

Subject: 2024 Annual Inspection Report
Woodbury County Transfer Station
Permit No. 97-SDP-18-06P-XFR

Dear Chad:

SCS Engineers conducted an inspection of the Woodbury County Transfer Station on October 4, 2024. A field inspection report documenting the findings of the inspection was completed and is attached for your review.

Several record-keeping requirements were not met and are detailed in the inspection report. The last page of the inspection report contains comments regarding compliance items along with required and recommended actions.

If you have any questions regarding this report, please contact Sean Marczewski at (712) 661-9682.

Sincerely,

Sean Marczewski
Project Professional
SCS Engineers

Christine L. Collier, P.E.
Senior Project Manager
SCS Engineers

SAM/CLC

cc: Jeanette Beekman, Woodbury County
Kevin Nelson, Chair for Woodbury County Area Solid Waste Agency

Engineer's Certification

I hereby certify that this document was prepared by me or under my direct supervision and that I am a duly licensed Professional Engineer under the laws of the state of Iowa.

Christine L Collier

Digitally signed by Christine L. Collier
Date: 2024.10.31 13:34:23 -05'00'

Christine L. Collier Date

My license renewal date is: December 31, 2025

Pages or sheets covered by this seal:

All

Attachment A

Iowa Department of Natural Resources

Sanitary Disposal Project Inspection Checklist

IOWA DEPARTMENT OF NATURAL RESOURCES
TRANSFER STATION (XFR) PERMIT INSPECTION FORM

Permit No.:97-SDP-18-06P-XFR	**County:Woodbury**
Facility Name:Woodbury County Transfer Station **Phone Number:(712) 873-3837**	**Facility Address:** **2210 Ida Avenue** **Moville, Iowa 51039**
Responsible Official:Kelly Danielson **Phone Number:(712) 873-3837** **Person(s) Present:** **1)Al Van Voorst (Gill Hauling)** **2)Sean Marczewski (SCS Engineers)** **3)**	**Mailing Address:** **2210 Ida Avenue** **Moville, Iowa 51039**
Date of This Inspection:October 4, 2024	**Date of Last Inspection:September 28, 2023**

	IAC 567 Chapter 106.9: Transfer Station Siting & Location Requirements		Yes	No	NA
Siting Requirements	106.9(1)	Is the transfer station building located within the 100-year floodplain?	☐	☒	☐
	106.9(1)	If yes, are there structures to prevent floodwater inundation from a 100-year flood of any area that comes into contact with solid waste or washwater?	☐	☐	☒
	106.9(2)	Is the transfer station building within 500 feet of an educational facility, healthcare facility, or permanent residence?	☐	☒	☐
	106.9(2)	If yes, did construction of the educational facility, or healthcare facility, or permanent residence begin before the permit application was received by the Department?	☐	☐	☒
	106.9(2)	If yes, does the transfer station utilize screening to minimize noise and visibility of operations? *(Note: Screening shall utilize natural components to the maximum extent possible)*	☐	☐	☒

Comments: None.

	IAC 567 Chapter 106.10(1): Transfer Station Design Standards		Yes	No	NA
Transfer Station Design	106.10(1)	Is the transfer station building sufficient to allow all solid waste to be unloaded from collection vehicles and loaded into transport vehicles indoors? *(Note: Rear-loading solid waste transport vehicles that have no other opening and that securely abut the building so that minimal amounts of solid waste escape qualify as being inside the building)*	☒	☐	☐
	106.10(1)"*a*"	Is the building sufficient to minimize dust and litter exiting the building?	☒	☐	☐
	106.10(1)"*a*"	Is the building sufficient to keep out precipitation?	☒	☐	☐
	106.10(1)"*a*"	Is the building sufficient to prevent the attraction or harboring of vectors?	☒	☐	☐
	106.10(1)"*b*"	Are all surfaces that come into contact with solid waste or washwater impervious to liquids?	☒	☐	☐
	106.10(1)"*c*"	Does the transfer station building have a drainage system that maintains a separation between stormwater and washwater?	☒	☐	☐

Comments: None.

Transfer Station Design	IAC 567 Chapter 106.10(1): Transfer Station Design Standards (Cont'd)		Yes	No	NA
	106.10(1)"*d*"	Does the transfer station building have a washwater collection system that directs washwater to a storage tank for later disposal, a sanitary sewer system, or equivalent as approved by the Department?	☒	☐	☐
	106.10(1)"*d*"	If a storage tank(s) is used, does it have a high-level indicator or gauge?	☐	☒	☐
	106.10(1)"*e*"	Does the transfer station store solid waste during non-operating hours?	☒	☐	☐
	106.10(1)"*e*"	If yes, is the solid waste storage area clearly marked?	☒	☐	☐
	106.10(1)"*e*"	If yes, does the solid waste storage area have a fire detection system?	☒	☐	☐
	106.10(1)"*f*"	Does the transfer station building have a surge pit to handle large volumes of incoming waste? *(Note: Surge pits are typically found in large transfer stations where a large number of trucks can overload the tipping floor. Surge pits provide more space for temporary storage during peak operating hours and may also allow for additional compaction of the solid waste before it is loaded into transport vehicles)*	☐	☒	☐
	106.10(1)"*f*"	If yes, does the transfer station building have an effective odor control mechanism? *(i.e. mist systems and air filters)*	☐	☐	☒
	106.10(1)"*g*"	If yes, does the transfer station building have a sprinkler system installed over the area where solid waste is stored?	☐	☐	☒
	106.10(1)"*h*"	If the transfer station salvages materials, are the salvage storage areas clearly marked? *(Note: Salvaged materials that do not attract or harbor vectors may be stored outside the building in clearly marked designated areas.)*	☒	☐	☐
	106.10(1)"*i*"	Is their sufficient indoor and outdoor lighting to minimize the difference in lighting when entering or exiting the building?	☒	☐	☐
	106.10(1)"*j*"	Does the transfer station building have doors at each entrance and exit?	☒	☐	☐

Comments:A floor drain gravity feeds washwater into a tank located outside of the transfer station building. The tank level is regularly monitored by Facility staff and is emptied as needed.

Transfer Station Design	IAC 567 Chapter 106.10(2): Other Transfer Station Design Standards		Yes	No	NA
	106.10(2)"*a*"	Does the transfer station have a secure perimeter fence w/lockable gate(s)?	☒	☐	☐
	106.10(2)"*b*"	Does the transfer station use an IDALS certified scale? *(Note: The scale does not have to be onsite)*	☒	☐	☐
	106.10(2)"*c*"	Does the transfer station have adequate queuing distance for vehicles entering and exiting such that lines do not extend onto public streets?	☒	☐	☐
	106.10(2)"*c*"	If no, does the transfer station have approval from the local government authority for lines to back-up onto public streets?	☐	☐	☒
	106.10(2)"*d*"	Does the transfer station have signs or pavement markings indicating safe and proper on-site traffic patterns?	☒	☐	☐
	106.10(2)"*e*"	Is there a sign at the primary entrance specifying: 1) Facility name and permit number, 2) Operating hours, 3) Materials accepted or stating "All materials must have prior approval", 4) Telephone number of emergency contact person(s)?	☒ ☒ ☒ ☒	☐ ☐ ☐ ☐	☐

Comments: None.

Transfer Station Operating Requirements	IAC 567 Chapter 106.11: Transfer Station Operating Requirements	Yes	No	NA
106.11(1)	Is site access controlled and limited to a time when a transfer station operator is on duty.	☒	☐	☐
106.11(1)"*a*"	If yes, is the site operator on duty able to read, understand and implement the Site Operation Plan?	☒	☐	☐
106.11(1)"*b*"	If yes, is the site operator on duty able to read, understand and implement the Emergency Response and Remedial Action Plan (ERRAP)?	☒	☐	☐
106.11(1)"*c*"	If yes, is the site operator on duty able to visually recognize universal symbols, markings, and indications of unacceptable materials? *(e.g. hot loads, hazardous, infectious and radioactive wastes)*	☒	☐	☐
106.11(1)"*d*"	Is the transfer station permitted for 20,000 tons or more per year of solid waste?	☐	☒	☐
106.11(1)"*d*"	If yes, is the site operator on duty certified by a training program approved by the Department? *(e.g. Solid Waste Association of North America's Transfer Station Systems Training and Certification Course)*	☐	☐	☒
106.11(2)	Is solid waste only being accepted from generators within the designated service area?	☒	☐	☐
106.11(3)	Are all unloading, handling, processing, screening, open storage, loading, and similar activities or processes involving solid waste being performed inside the transfer station building? *(Note: Truck—to-truck transfer of solid waste that is not incidental solid waste transfer is not allowed outside a transfer station building. A rear-loading solid waste transport vehicle that does not have any other open access and securely abuts the transfer station building so that minimal amounts of solid waste escape during loading shall qualify as being inside the building. Salvaged materials that do not attract or harbor vectors may be stored outside of the building in clearly marked, designated areas.)*	☒	☐	☐
106.11(4)	Is the solid waste being at least visually screened by personnel capable of identifying hot loads and hazardous, infectious, radioactive, and other wastes not suitable for disposal in a sanitary landfill?	☒	☐	☐
106.11(5)	Are transfer station operators segregating and managing unacceptable wastes and hot loads in accordance with applicable laws and in a manner as safe and responsible as practical?	☒	☐	☐
106.11(6)	Is salvaging only being performed by transfer station operators? *(Note: Scavenging shall not be allowed.)*	☒	☐	☐
106.11(7)	Is the operation of the facility being carried out in a manner that attempts to minimize litter, dust, odor, noise, vibration, and the attraction or harborage of vectors?	☒	☐	☐
106.11(8)	Is the transfer station building being maintained at a level of cleanliness necessary to prevent a nuisance or public health hazard?	☒	☐	☐
106.11(9)	Is on-site litter being maintained at a level of cleanliness to prevent a nuisance or public health hazard? *(Note: Off-site litter shall be collected daily.)*	☒	☐	☐
106.11(10)	Is the exterior of all buildings being maintained in a reasonable aesthetic condition that prevents the attraction or harborage of vectors, so as not to create a nuisance or public health hazard?	☒	☐	☐
106.11(11)	Is the washwater management system being inspected monthly and maintained in proper operating condition to prevent overflowing?	☒	☐	☐
106.11(12)	Are all surfaces that prevent washwater from entering the ground and groundwater impervious?	☒	☐	☐
106.11(12)	If no, was the breach noted above fixed within 24 hours, or has the facility prevented any solid waste or washwater from coming into contact with the breached area until repaired?	☐	☐	☒
106.11(13)	Has the transfer station made adequate provisions for routine operational maintenance of the facility?	☒	☐	☐

Comments: The damaged grapple noted in the 2023 Annual Inspection Report (Doc #108135) was removed from the transfer station. A front end loader is used to load solid waste into the transfer trailers. Litter was observed spread throughout the tipping floor and transfer trailer tunnel and should be cleaned regularly. Discussion with Facility staff indicated that litter is cleaned at the end of the day and is loaded into the transfer trailer.

Temporary Solid Waste Storage	IAC 567 Chapter 106.12: Temporary Solid Waste Storage at Transfer Stations		Yes	No	NA
	106.12(1)	If solid waste is stored at the transfer station, is it stored: 1) Inside the transfer station in a clearly marked, designated area; or 2) Inside the transfer station building in a surge pit; or 3) Inside a secure solid waste transport vehicle, protected from precipitation and vectors?	☒ ☐ ☒	☐ ☐ ☐	☒
	106.12(2)"*a*"	If solid waste is being stored inside the transfer station in a designated area that is not a surge pit or similar operational structure, is it being stored for not more than 48 hours, excluding Sundays and national holidays?	☒	☐	☐
	106.12(2)"*b*"	If solid waste is being stored inside the transfer station building in a surge pit, is it being stored for not more than seven days, including Sundays and national holidays?	☐	☐	☒
	106.12(2)"*c*"	If solid waste is being stored in a transport vehicle designated to travel only via roadway, is it being stored for not more than 48 hours, excluding Sundays and national holidays?	☒	☐	☐
	106.12(2)"*d*"	If solid waste is being stored in a transport vehicle designated to travel via rail or navigable waterway, including intermodal container systems, is it being stored for not more than seven days, including Sundays and national holidays?	☐	☐	☒

Comments: None.

Record-Keeping Requirements	IAC 567 Chapter 106.13: Transfer Station Record-Keeping Requirements		Yes	No	NA
	106.13(1)"*a*"	Is a copy of the current permit(s) on site?	☐	☒	☐
	106.13(1)"*b*"	Is a copy of the current Site Operation Plan onsite?	☐	☒	☐
	106.13(1)"*c*"	Is a copy of the current Emergency Response and Remedial Action Plan (ERRAP) onsite?	☐	☒	☐
	106.13(1)"*d*"	Is proof of current financial assurance on file?	☐	☒	☐
	106.13(2)"*a*"	Are three years of records being maintained by the transfer station with regard to the tons of all solid waste disposed of quarterly?	☒	☐	☐
	106.13(2)"*b*"	Are three years of records being maintained by the transfer station with regard to the destination of all outgoing solid waste?	☒	☐	☐
	106.13(2)"*c*"	Are three years of records being maintained by the transfer station with regard to the washwater management system inspection log?	☒	☐	☐
	106.13(2)"*d*"	Are three years of records being maintained by the transfer station with regard to hot loads and hazardous, infectious, radioactive, or other unacceptable wastes found?	☒	☐	☐
	106.13(2)"*e*"	Are three years of records being maintained by the transfer station with regard to training received by transfer station operator(s) pursuant to 106.11(1).?	☐	☐	☒

Comments: The transfer station permit renewal was approved by the DNR on May 22, 2024 but a copy of the permit was not on-site. The current Site Operation Plan, ERRAP, and proof of financial assurance were also not on-site. Facility staff indicated these items will be printed out and placed on-site. Tons of solid waste disposed at

the transfer station is reported to the Gill Hauling office every 2-3 days. The Gill Hauling office sends quarterly tonnage reports to the DNR.

Reporting Requirements	IAC 567 Chapter 106.14: Transfer Station Reporting Requirements		Yes	No	NA
	106.14(1)	Is the transfer station submitting quarterly tonnage reports to the Department that include: 1) Tons of solid waste disposed of; 2) Comprehensive planning area from which the solid waste originated, and the tons of solid waste from each county and comprehensive planning area; and 3) Destinations of all outgoing solid waste?	☒ ☒ ☒	☐ ☐ ☐	☐
	106.14(2)	Is the transfer station being inspected annually by an Iowa-licensed professional engineer for compliance with IAC 567 Chapter 106.10 and submitting said annual inspection report to the Department and Field Office by the first workday in November each year?	☒	☐	☐

Comments: None.

Transport Vehicles	IAC 567 Chapter 106.15: Transport Vehicle Construction & Maintenance		Yes	No	NA
	106.15(1)	Is the portion of the solid waste transport vehicle(s) that contains solid waste sufficient to: 1) Prevent the accidental discharge of its contents; 2) Prevent the attraction or harborage of vectors; and 3) Prevent the infiltration of precipitation? *(Note: Any solid waste transport vehicle that fails to meet the requirements of IAC 567 Chapter 106.15 shall be repaired before it is utilized in the transport or storage of solid waste.)*	☒ ☒ ☒	☐ ☐ ☐	☐
	106.15(1)	If the solid waste transport vehicle(s) has an open-top, does it have a suitable cover that is not easily torn, shredded, broken, or otherwise breached under normal use?	☒	☐	☐
	106.15(3)	Is the transport vehicle(s) being cleaned at intervals frequent enough to prevent a nuisance or vector attraction?	☒	☐	☐
	106.15(4)	Is wastewater generated from any cleaning of the areas of the solid waste transport vehicle(s) that hold solid waste being managed as washwater?	☐	☐	☒

Comments: Transport vehicles are cleaned at the L.P. Gill Landfill in Jackson, Nebraska.

Transport Vehicle Operation	IAC 567 Chapter 106.16: Solid Waste Transport Vehicle Operation Requirements		Yes	No	NA
	106.16(1)	Are the solid waste transport vehicle's openings securely closed before transport and during solid waste storage so as to prevent the loss of solid waste?	☒	☐	☐
	106.16(2)	Is solid waste being loaded into the solid waste transport vehicle inside the transfer station building and in a manner that minimizes the spilling of materials? *(Note: Truck—to-truck transfer of solid waste that is not incidental solid waste transfer is not allowed outside a transfer station building. A rear-loading solid waste transport vehicle that does not have any other open access and securely abuts the transfer station building so that minimal amounts of solid waste escape during loading shall qualify as being inside the building.)*	☒	☐	☐

	106.16(2)	If solid waste is spilled from a solid waste transport vehicle during loading, is it collected as often as necessary to minimize litter, dust, or other fugitive debris?	☒	☐	☐
	106.16(3)	If solid waste was spilled from a solid waste transport vehicle not on transfer station property, was the solid waste collected as soon as possible and was the spill immediately reported to the Department and the Field Office with jurisdiction?	☐	☐	☒

Comments: There were no reports of spillage of solid waste from a transport vehicle during the period since the previous inspection.

Other Materials Accepted/Activities On-Site			
Recyclables Drop-Off	☒	Appliance Demanufacturing	☒
Lead Acid Batteries	☒	Electronics Demanufacturing	☐
Used Oil	☒	Yard Waste Collection	☒
Antifreeze	☒	Yard Waste Composting	☐
Tires	☒	HHM/RCC	☒
Brown Goods Collection	☒	Other:	
Cathode Ray Tube Collection	☒		
White Goods Collection	☒		
Scrap Metal Salvaging	☒		

**Be advised your facility may require, due to either SIC code or onsite management practices, an NPDES General Permit #1 (Stormwater permit).*

Summary of Requirements:	Compliance Date:
1)	
2)	
3)	
4)	
5)	

Summary of Reminders:
1)
2)
3)
4)
5)

Summary of Recommendations:
1)Place required record-keeping documents on-site.

2)
3)
4)
5)

Inspector:Sean Marczewski **Date:10/4/2024**	**Reviewer:Christine L. Collier, P.E.** **Date:10/24/2024**

Facility Photographs (if applicable)
