

**IOWA DEPARTMENT OF NATURAL RESOURCES
Sanitary Disposal Project Inspection**

Permit #: 07-SDP-01-75P

Page 1

Facility Name: Black Hawk County Sanitary Landfill
County: Black Hawk

Facility Operator: Dave Dobbs, Manager, Waste Tech Inc.
Address: 1509 E. Washburn Rd. Waterloo, IA
Phone: 50704
319/296-2524

Date Last Inspection: 04/09/2024

Date This Inspection: 01/21/2025

Responsible Official: John Foster, Administrator
Address: PO Box 208, Waterloo, IA 50704
Phone: 319/210-8860
Email: jfoster@wastetrec.org

At the Time of this Inspection:

- **facility personnel present:** John Foster
- **active unit(s):** Cell W-3 & Asbestos Cell 2
- **surface conditions:** Dry
- **ambient temperature:** 6 Degrees
- **wind direction and speed:** South 11.0 mph

Yes – compliance was being achieved; **No** – compliance was not being achieved,
N/A – not applicable or not observed; **PND** – previously noted deficiency (PND).

I. Documents and Record Keeping:

Yes	No	N/A	PND	Item	Yes	No	N/A	PND	Item
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1. Permit/Amendment documents	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9. Financial assurance
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2. Site exploration report	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	10. Storm water permit
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3. Plans/Specs and QC&A Reports	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	11. SWA/SWAC documentation
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4. Waste screening inspection records	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	12. Operator Certification
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5. Leachate recirculation authorization	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	13. DOPs
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6. Gas monitoring/remediation results	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	14. ERRAP
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	7. Groundwater monitoring results	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	15. Other
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8. Closure/Postclosure plans/results					

II. Operating Procedures:

Yes	No	N/A	PND	Item	Yes	No	N/A	PND	Item
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1. All weather access road to facility	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	10. Scavenging and Salvaging
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2. Controlled Access at facility	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	a. scavenging prohibited
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	a. fencing or other perimeter barriers	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	b. salvaging authorized
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	b. entrance gate with lock	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	c. salvaged material orderly
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	c. safe/proper on-site traffic patterns	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	d. salvage removal adequate
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3. Signage	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	11. Animal feeding and grazing
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	a. facility name and permit number	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	a. animal feeding prohibited
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	b. days and hours of operation	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	b. grazing on final cover limited
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	c. wastes accepted/not accepted	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	12. Survey controls and monuments
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	d. telephone # of resp. official	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	a. facility and waste boundaries surveyed and marked
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4. All weather access road in facility	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	b. survey monuments established
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5. Adequate vehicle queuing	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	c. stakes clearly marked
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6. Certified scale used	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	13. Fill Sequencing
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	7. Waste Screening	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	a. liner system protected
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	a. random inspections performed	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	b. slope failure controlled

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	b. inspection records
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	c. trained personnel
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	d. EPA notification procedures
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8. Prohibited materials listing
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9. Open Burning and Fire Hazards
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	a. open burning prohibited
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	b. vehicle fueling prohibited within 50 feet of workface

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	c. differential settlement controlled
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	d. run-on and runoff controlled
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	14. Control of Workface
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	a. size of area controlled
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	b. slope is stable
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	c. litter control devices used
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	d. vectors controlled
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	e. operator at workface

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	15. Special Waste Handling
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	a. operator familiar with SWAC
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	16. Waste Fill Cover
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	a. daily cover adequate
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	b. alternative cover authorized
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	c. scarification of daily cover
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	d. intermediate cover adequate (30/180 day)
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	e. final cover maintained
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	17. Leachate seeps
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	a. seeps identified and controlled
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	18. Leachate recirculation
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	a. composite liner
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	b. RD&D authorization
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	c. personnel protected
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	d. erosion controlled
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	e. vegetation maintained
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	19. Site Litter Control
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	a. on-site litter picked up daily
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	b. offsite litter picked up daily
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	c. record of why litter not picked up
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	20. Dust Control
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	a. dust controlled as vehicles enter/exit facility
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	b. dust controlled on internal roads
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	c. dust controlled at the workface
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	21. Mud Control
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	a. mud controlled as vehicles enter/exit facility
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	22. Leachate Control and Treatment
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	a. system operational
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	b. head measurement device
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	c. seeps controlled
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	d. leachate tank maintained
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	e. leachate lagoon maintained
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	f. POTW agreement
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	g. sanitary sewer discharge
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	h. NPDES discharge permit
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	i. NPDES on-site treatment

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	23. Run-on/Runoff Control Systems
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	a. ponding controlled
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	b. dikes, ditches, berms & terraces intact
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	c. tile lines maintained
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	24. Landfill Equipment
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	a. working properly
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	b. backup equipment available
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	25. Groundwater Monitoring Wells
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	a. wells intact
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	b. caps and locks
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	26. Gas Monitoring Wells/Points
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	27. Emergency Procedures
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	a. ERRAP available to staff
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	b. emergency numbers posted
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	28. Final Cover System
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	a. final cover over completed areas
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	b. seeded
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	c. vegetation established
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	d. run-on, runoff, and ponding controlled
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	e. differential settlement controlled
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	29. Other - Trees

General Description:

The Black Hawk County Sanitary Landfill is operating under a permit issued 03/09/2023. DNR approval of W-3 and W-4 cell expansion is included in the permit. The facility is currently placing waste in Cell W-3. The facility accepts approximately 750 tons daily. Asbestos is being placed in Asbestos Cell 2 with RACM placed in Cell W-3. The facility is authorized for leachate recirculation over the lined portions of the landfill but does not recirculate at this time. All leachate enters the City of Waterloo's sanitary sewer located outside the northern boundary of the landfill per a documented 12/20/08 interconnection agreement between the Solid Waste Commission and the City of Waterloo.

Comments:

1. The vegetation on Cell W-1 and Cell W-2 is well established. These cells were initially graded and seeded in the fall of 2023. Water let down structures were also installed to manage water during precipitation events. After multiple rainfall events, the intakes were modified to reduce plugging which had caused some ponding of water around the intakes. This modification has been successful.
2. Incoming loads are screened differently depending on area. Small load customers are questioned when entering and there is a full-time person stationed at the small loads receiving area. Large loads (mainly commercial accounts) that go directly to the working face are screened by the equipment operators.
3. This facility is approved to have petroleum contaminated soils (PCS) go directly to the working face. However, this facility is still processing PCS for soils that are not heavily contaminated with oils and basically have high VOCs. Soils that have a high oil content are landfilled without processing. Testing is required for all PCS.
4. Yard waste is still received at this landfill. There were two windrows of compost at the south end of the compost pad. There were also some trees and tree trimmings (about a 100 foot by 30 foot linear pile awaiting grinding. About 1,000 tons of raw material are received annually, generating about 500 tons of compost that is only used at the landfill.
5. The small trees present on portions of the closed landfill (Area A, Area C, Area E, Cell X and the RCRA Co-Disposal Area) noted during the previous inspections and site visit have been removed and mowed and are now being managed. There are a few trees remaining sporadically that will be cut down this year. A contractor has been obtained to mow and manage the trees and a spot spraying program has been implemented in areas where mowing alone does not mitigate the regrowth (primarily willows). The plan is to mow all vegetated landfill cells every three years.
6. The Commission entered into an agreement with Black Hawk RNG to capture landfill gas, scrub it, and generate natural gas as a final product. Vertical gas collection wells have now been installed in Cell W-1, Cell W-2, and Area E and Cell X, and horizontal wells in Area E. This plant is now operational and collecting, cleaning and shipping natural gas from the landfill gas collection system.
7. Some ponding was noted at several locations behind the upper two terraces installed on Cell W-1 during the previous inspection. This was caused when the gas collection system was installed. These areas have now been graded to eliminate ponding.
8. This landfill has a General Permit #1 for storm water. The plan is up to date (04/26/23), the authorization number is IA-066-1062, and the permit expires on 10/01/2027.

SUMMARY OF REQUIREMENTS

Continue to routinely mow the vegetated portions of the landfill and spot spray trees as necessary to manage woody vegetation.

SUMMARY OF RECOMMENDATIONS

None.

AUTHENTICATION

INSPECTOR	Chad Kehri, Environmental Specialist <i>Chad Kehri</i>	Date: 01/22/2025
REVIEWER	Amber Sauser, Environmental Specialist Senior <i>Amber Sauser</i>	Date: 1/27/2025

January 22, 2025

Black Hawk County Sanitary Landfill
John Foster, Administrator
PO Box 208
Waterloo, IA 50704
Email: jfoster@wastetrec.org

SUBJECT: Landfill Inspection -- Black Hawk County Landfill at 1509 East Washburn Road in
Waterloo, Iowa.
Permit No. 07-SDP-01-75P

Dear Mr. Foster,

Enclosed is the report of the recent inspection of the Black Hawk County Sanitary Landfill conducted by Chad Kehrli of this office.

We believe you will find the report self-explanatory and strongly encourage you to take actions on the recommendations listed near the end.

If you have any questions about the inspection or report, please contact Mr. Kehrli or this office at 563-927-2640.

Sincerely,



AMBER SAUSER
Environmental Specialist Senior, FIELD OFFICE #1

cc: IDNR Solid Waste, Des Moines
Efile: 07 SW Black Hawk County Landfill 07SDP0175P ins 012125 cek