

November 18, 2024

DES MOINES COUNTY REGIONAL SOLID WASTE COMMISSION  
ATTN: CHRIS BALL - DIRECTOR  
1818 WEST BURLINGTON AVENUE  
BURLINGTON, IA 52601

RE: SDP Compliance Inspection; FOCD Inspection #95540  
SDP Permit No. 29-SDP-01-76P; Des Moines County SDP, West Burlington, Iowa

Dear Mr. Ball:

On November 7, 2024 I met with Landfill Manager Eric Houtz to conduct a compliance inspection of the Des Moines County Landfill. We discussed the permit, additional paperwork and plans, and overall landfill status. We observed the current landfill conditions as well. Enclosed you will find the inspection report including a summary of observations and discussions had during the inspection.

Physical cell boundary markers were not readily observed on the east and north sides of cells 5 and 6. Be advised that 567 IAC 113.8(2)a states:

*a. Survey controls and monuments.* Survey controls and monuments shall be maintained as follows.

- (1) The property boundary, the permitted boundary and the boundaries of all MSWLF units shall be surveyed and marked by a professional land surveyor at least once prior to closure.
- (2) Prior to waste placement, all new MSWLF unit boundaries shall be surveyed and marked by a professional engineer.
- (3) Survey monuments shall be established to check vertical elevations and the progression of fill sequencing. The survey monuments shall be established and maintained by a professional land surveyor.
- (4) All survey stakes and monuments shall be clearly marked.
- (5) A professional engineer shall biennially inspect all survey monuments and replace missing or damaged survey monuments.

Please ensure the cell boundaries are clearly marked as indicated above. If you have any questions or would like further explanation of any part of this report, please contact me at this office at 319-653-2135 or via email [ryan.stouder@dnr.iowa.gov](mailto:ryan.stouder@dnr.iowa.gov).

Sincerely,

FIELD SERVICES & COMPLIANCE BUREAU

**Brian Lee**

Digitally signed by Brian Lee  
Date: 2024.11.18 07:19:54  
-06'00'

Brian Lee  
Environmental Specialist

Encl. SDP Insp Report

xc: Becky Jolly, IDNR Solid Waste Section, via email  
Eric Houtz via email  
FOCD: DM Co SDP 29-SDP-01-76P

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

Permit #: 29-SDP-01-76P

Page 1

Facility Name: Des Moines County Sanitary Landfill

Responsible Official: Chris Ball

County: Des Moines

Address: 1818 West Burlington Avenue, Burlington

Facility Operator: Eric Houtz

Phone: 319-753-8126

Address: 13758 Washington Road, West Burlington

Date Last Inspection: 5/19/2023 (visit 7/9/24)

Phone: 319-753-8722

Date This Inspection: 11/7/24

Waste Amount: Approximately 200 Tons/day

**At the Time of this Inspection:**

• facility personnel present: Eric Houtz

• surface conditions: Dry/not dusty

• active unit(s): Cell 3

• ambient temperature: 55 °F

• wind direction and speed: 5 mph NNE

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
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1. Permit/Amendment documents
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	2. Site exploration report
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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"/>	4. Waste screening inspection records
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5. Leachate recirculation authorization
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	6. Gas monitoring/remediation results
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	7. Groundwater monitoring results
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	8. Closure/Postclosure plans/results

Yes	No	N/A	PND	Item
<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"/>	10. Storm water permit
<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"/>	12. Operator Certification
<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"/>	14. ERRAP
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	15. Other

**II. Operating Procedures:**

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"/>	2. Controlled Access at facility
<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. entrance gate with lock
<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"/>	3. Signage
<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"/>	b. days and hours of operation
<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"/>	d. telephone # of resp. official
<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"/>	5. Adequate vehicle queuing
<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"/>	7. Waste Screening
<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. 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

Yes	No	N/A	PND	Item
<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"/>	a. scavenging prohibited
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	b. salvaging authorized
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	c. salvaged material orderly
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	d. salvage removal adequate
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	11. Animal feeding and grazing
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	a. animal feeding prohibited
<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"/>	12. Survey controls and monuments
<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"/>	b. survey monuments established
<input type="checkbox"/>	<input checked="" 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"/>	13. Fill Sequencing
<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"/>	b. slope failure controlled
<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"/>	23. Run-on/Runoff Control Systems
<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"/>	a. ponding controlled
<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"/>	b. dikes, ditches, berms & terraces intact
<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"/>	c. tile lines maintained
<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"/>	24. Landfill Equipment
<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"/>	a. working properly
<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"/>	b. backup equipment available
<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"/>	25. Groundwater Monitoring Wells
<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. wells intact
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	a. seeps identified and controlled	<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"/>	18. Leachate recirculation	<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"/>	a. composite liner	<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"/>	b. RD&D authorization	<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"/>	c. personnel protected	<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"/>	d. erosion controlled	<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"/>	e. vegetation maintained	<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"/>	19. Site Litter Control	<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"/>	a. on-site litter picked up daily	<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"/>	b. offsite litter picked up daily	<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"/>	c. record of why litter not picked up	<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"/>	20. Dust Control	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	29. Other
<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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input 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 type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	g. sanitary sewer discharge					
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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					

Comments:

Multiple documents were initially discussed and reviewed. A few were not reviewed (marked NA above) but were recently reviewed by DNR Solid Waste Permitting for permit renewal. The DOPs plan needs to be reviewed and updated to reflect the current staff and procedures and protocols. Mr. Houtz was aware of a few special waste authorizations and those were discussed. CNH paint sludge and wastewater sludge SWAs recently expired. SWAs remain active for the Burlington wastewater plant unstabilized screenings, CNH powder coat paint, and Cornerstone paint/sand.

The current active cell is the east side of Cell 4AB (east of Cell 3). This is a pocket of available space that will be utilized for the foreseeable future. The facility will go back to utilizing Cell 5 once the Cell 4AB area is filled as intended. The portable fuel tank was near the working face, but appeared to be just over 50 feet away. The facility must be sure that fueling is completed at least 50 feet from the working face. Some track litter and some wind-blown litter were observed around the working face. Portable litter fences were in place at the working face. Significant litter outside the working face area was not observed. A couple pockets of exposed waste north/NE of the active face were observed. The facility must make sure all waste is covered with at least daily cover. Compaction appeared adequate and no steep slopes were observed. No prohibited waste, leachate seeps, or ponding were observed at the working face. A few tree stumps were observed, but no other wood waste or significant landscape waste was observed. A compactor and track loader were both observed in the active cell in working order.

Cell boundary markers were observed on the south and east side of the Cell 3. No physical markers were observed at the east and north perimeter of Cells 5 and 6. The facility typically has posts with yellow plastic sleeves on them for boundary identification. Those must be in place and visible. The landfill equipment is equipped with GPS and a buffer is programmed in regarding fill of waste and the cell boundary.

No issues with the public drop area or compost/landscape waste area were observed. The C&D waste area appeared properly managed. No prohibited waste or runoff issues were determined. Wallboard/gypsum waste had been brought in and is being covered at least weekly with soil as needed. Asbestos waste will be landfilled in this area as well. PCS is now allowed to be directly landfilled per the facility's permit.

A few monitoring wells were observed and they appeared locked. The facility must ensure all monitoring wells are locked when not in use. Each leachate lagoon cell (2 east and 1 west) had adequate freeboard. Leachate is pumped to a common wet well and then sent to the City's collection system. The facility will manually control the pumps and flow to the City's system as needed. The landfill is a significant industrial user under West Burlington's NPDES permit. The facility will communicate with West Burlington's wastewater staff when a leachate discharge is planned or needed. Leachate recirculation is authorized and would be sprayed on the surface via tractor/wagon, but that process is not being utilized at this time.

The landfill's sediment pond had accumulated some sediment, but appeared to have adequate capacity. No severe erosion was observed around the active cells 4-5. The facility must be aware that any storm water that contacts working face waste must be treated as leachate. This may involve redirecting runoff from the working face to the leachate system. The facility may need to implement terraces or other features to keep leachate out of the storm water pond, especially on the north slopes of cells 5 and 6.

**AUTHENTICATION**

<b>INSPECTOR</b>	Brian Lee, Environmental Specialist <div style="text-align: right; font-size: 1.2em;"><b>Brian Lee</b></div> <small>Digitally signed by Brian Lee Date: 2024.11.18 07:16:44 -06'00'</small>	<b>Date:</b>
<b>REVIEWER</b>	Ryan Stouder, Environmental Specialist Senior <div style="text-align: right; font-size: 1.2em;"><b>Ryan Stouder</b></div> <small>Digitally signed by Ryan Stouder Date: 2024.11.15 10:30:38 -06'00'</small>	