

IOWA DEPARTMENT OF NATURAL RESOURCES

Field Office #1

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Sanitary Disposal Project Visit (Landfill)

Permit # 57-SDP-01-72

Site: Cedar Rapids/Linn County Solid Waste Agency #2 Sanitary Landfill Weather Conditions: Overcast/Rain 61°F

Present: Karmen McShane, Jason Evans, Mitzy Brunsvold, Garrett Prestigard Waste Volume: 600 Tons /Day

Date This Visit: 05/21/2024

Yes = Compliance was being achieved
 No = Compliance was not being achieved
 N/A = not applicable or observed.

Observations:

Yes	No	N/A	Item	Yes	No	N/A	Item
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1. Fill Cover Adequate: daily; intermediate; final	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	9. Ponding, Poor Grading
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2. Control of Face: slope; width; location	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	10 Drainage Into Fill
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3. Adequate Compaction?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	11. Cover Erosion
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4. Wet Weather Area Available	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	12. Significant Leachate Seeps
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5. Internal Roads Accessible	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	13. Litter
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6. Recycling Activities Adequate	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	14. Inadequate Vegetative Cover
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	7. Manpower Adequate	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	15. Other - Trees
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8. Operating Equipment Sufficient	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	16. Follow-up Visit Needed?

Comments: Solid waste is currently being filled in the west side of Phase 5 A, lift 4. C & D waste continues to be stockpiled in orderly piles based on material: concrete, wood pallets/waste, telephone poles, and asphalt shingles. A spotter is staffed full time at this location. The wood waste is ground and is used an experimental alternative daily cover (ADC). This material has been mixed with soil 50/50 and some testing has been done using it by itself. It's been noted that without mixing with soil a small layer allows the fines in the material to settle, exposing some solid waste. This pilot project will end in June of this year. This project was started in an effort to minimize landfill fill space for disposal of these materials. The asphalt shingles are saved and used as a base layer for roads and base layers for wet weather operations. The all wood waste and shingles are only placed within boundaries of the permitted landfill cells.

Leachate head levels and elevations are measured monthly in all piezometers. All leachate enters the city of Marion's sanitary sewer.

Stormwater: All but the west side of the landfill drains to a detention basin that discharges into a wetland. This discharge is tested as required. The west side of the landfill's stormwater enters an oversized detention basin that also has trees growing in and around it. It was reported that this detention basin does not discharge, but if it ever discharges they will test it.

Four geotextiles are utilized as the primary daily cover.

Load screening: it was reported that every 1000th load is randomly screened and inspected. A full time spotter is located at the residential drop off at all times.

The projected closure date of this landfill is around 2036, unless local ordinances and bi-lateral agreements are amended. Landfill personnel continue to explore options to reduce waste landfilled by industry in hopes to extend the closure date of the landfill. Personnel also continue to exploring options for post closure solid waste disposal.

AUTHENTICATION

INSPECTOR:

NAME/TITLE: Chad Kehri, Environmental Specialist

Date: 05/22/2024

Chad Kehri

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