



October 27, 2022

Mr. Mick Leat
Iowa Department of Natural Resources
Land Quality Bureau
Wallace State Office Building
502 East 9th Street
Des Moines, Iowa 50319-0034

**Re: Fall 2022 Semi-Annual Inspection Report
Council Bluffs C&D Landfill (Closed)
Permit No. 78-SDP-04-89C
Project No. ANDEX 22001**

Dear Mick:

This brief report documents the semi-annual inspection required by the facility's Iowa Department of Natural Resources Sanitary Disposal Project Closure Permit and the Iowa Administrative Code. The inspection was made to evaluate the site's general conformance with the closure permit and the approved plans and specifications. A site map is attached for reference (Figure 1). A copy of the observation checklist used during the inspection is included in Attachment A. The following was noted during the fall 2022 semi-annual inspection:

Summary of Inspection Observations

- The previously noted bare areas, significant erosion, and saplings/brush were still present.
- No areas of ponding were observed at the time of the inspection.
- No leachate seeps were observed.

Summary of Non-Conformance with Permit Conditions

The following item of non-conformance was noted during the inspection:

- Repair and reseed of the cap along with sapling/brush removal are needed throughout the cap.

Items not considered non-compliance but are recommended include:

- Install sediment and erosion controls until vegetation becomes established.
- Repair and seed the areas of erosion leading to the detention pond.

Monthly Inspections

Monthly inspections commenced in September 2018. Documentation of the inspections since the spring 2022 inspection are included in Attachment B.



General Comments

The observations presented in this report are based upon data obtained from the field observations made at the site, interviews with the site operator, and from information sources discussed in this report. This report provides a snapshot in time of the conditions present at the time of the inspection and does not reflect variations in conditions that may occur throughout the year.

Evora Consulting has prepared this report for the exclusive use of our client. This report is meant for the specific application discussed and has been prepared in accordance with generally accepted engineering practices. No warranties, expressly stated or implied, are intended or made.

If you have any questions regarding this report, please contact us at (515) 256-8814.

Sincerely,
Evora Consulting

Jamie Lane
Ecological Specialist/Environmental Compliance Analyst

Timothy C. Buelow, P.E.
Principal Engineer

cc: Addressee
Ms. Virginia Anderson, Anderson Excavating
Electronic File

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Engineer's Certification

	I hereby certify that this engineering document was prepared by me or under my direct personal supervision and that I am a duly licensed Professional Engineer under the laws of the State of Iowa.	
		Date: <u>10/27/2022</u>
	Timothy C. Buelow, P.E.	
	License No. 14445	
	My license renewal date is December 31, 2023	
Pages or sheets covered by this seal:		
<u>All.</u>		



Site Map (October 2022)

Legend

-  Monitoring Well
-  Leachate Monitoring Point
-  Approximate Waste Boundary

Anderson Excavating Council
Bluffs Landfill
Council Bluffs, Iowa
Project No: ANDEX.22001
Drawing Date: October 2022

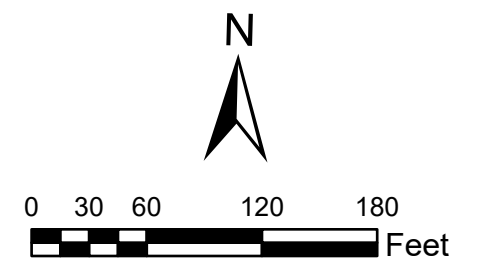


Figure 1

ATTACHMENT A
OBSERVATION CHECKLIST

Evora Consulting
1690 All State Court, Suite 100, West Des Moines, Iowa 50265
Sanitary Landfill Inspection

Permit #: 78-SDP-04-89C

Facility Name: Anderson Excavating C&D Landfill	Responsible Official: Virginia Anderson
County: Pottawattamie	Address: 2520 Kanessville Blvd., Council Bluffs, IA
Facility Operator: Virginia Anderson	Phone: (402) 345-8800
Address: 2520 Kanessville Blvd., Council Bluffs, IA	Date Last Inspection: April 13, 2022 (not including monthly)
Phone: (402) 345-8800	Date This Inspection: October 19, 2022

At the Time of this Inspection:

- | | |
|---------------------------------------------|-------------------------------------|
| • Facility personnel present: None | • Surface conditions: Dry |
| • Wind direction and speed: SE 4 mph | • Ambient temperature: 55° F |

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

Observations

Yes	No	N/A	PND	Item	Yes	No	N/A	PND	Item
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	1. Fill Cover: final	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	10. Special Waste Handling
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	2. Control of Face	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	11. Recycling Activities
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	3. Compaction	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	12. Operator Certification
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	4. Cover erosion; Ponding	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	13. Staffing
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	5. Drainage into fill	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	14. Equipment Backup/Maintenance
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6. Leachate Mgmt. & Control	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	15. Interior Roads
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	7. Litter	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	16. Perimeter fence, gate, signs, wells
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	8. Wet Weather Area	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	17. Photos taken
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	9. Construction & Demolition Area	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	18. Follow-up needed? (Yes/No)

Comments: The comments below correspond to the numbered observation items listed above.

1. Reseed bare areas and monitor and maintain seeding until vegetation is sufficiently established.
4. Repair and reseed the cap along with remove sapling/brush throughout the cap. No areas of ponding were observed.
5. No seeps were observed.
15. Access roads leading to the site were in good condition.
16. The perimeter fence, gate, signs, and wells were in good condition.
18. See items 1 and 4. The landfill cap requires substantial repairs and reseeded.

AUTHENTICATION

INSPECTOR	Scott Stoller	Date: 10/19/22
REVIEWER	Timothy C. Buelow, P.E.	Date: 10/27/22

ATTACHMENT B
MONTHLY INSPECTIONS

LANDFILL POST-CLOSURE MONTHLY OBSERVATION CHECKLIST

FACILITY INFORMATION

Facility: Anderson Excavating C&D Landfill
 Location: Council Bluffs, Iowa
 Type: C&D Landfill (Closed)

Permit No.: 78-SDP-04-89C
 Permit Issued: April 1, 2016
 Permit Expires: April 11, 2046

INSPECTION INFORMATION

Inspector: Kooner Roth
 Other: _____

Date and Time: 5-24-22 ~ 12:05pm

WEATHER CONDITIONS

Wind: 13 mph
 Other: 30.08 in Hg

Temperature: °F 58

A. GENERAL CRITERIA

- 1) Are storm water control structures (sedimentation basins, terraces, letdowns, culverts) in good condition?

Yes	No	Comments
<input checked="" type="checkbox"/>	<input type="checkbox"/>	

B FINAL COVER

- 1) Is there adequate growth of grass on the final cover?
 2) Is there evidence of settlement or depressions in the final cover?
 3) Is there evidence of ponding water on the final cover?
 4) Is there evidence of erosion of the final cover?
 5) Is there evidence of sediment build-up in storm water structures on- or off-site?
 6) Are there trees, shrubs, or other unwanted plants growing on the final cover?

Yes	No	Comments
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

C. MISCELLANEOUS REQUIREMENTS

- 1) Is there evidence of leachate seeps? If yes, note if flowing or not.

Yes	No	Comments
<input type="checkbox"/>	<input checked="" type="checkbox"/>	

Note any repairs that need to be made or that were made. Include locations on a site map or describe below.

LANDFILL POST-CLOSURE MONTHLY OBSERVATION CHECKLIST

FACILITY INFORMATION

Facility: Anderson Excavating C&D Landfill
 Location: Council Bluffs, Iowa
 Type: C&D Landfill (Closed)

Permit No.: 78-SDP-04-89C
 Permit Issued: April 1, 2016
 Permit Expires: April 11, 2046

INSPECTION INFORMATION

Inspector: Scott Steiler
 Other: _____

Date and Time: 6/28/22 13:00

WEATHER CONDITIONS

Wind: 5-10 MPH
 Other: SHADY

Temperature: 91°F

A. GENERAL CRITERIA

- 1) Are storm water control structures (sedimentation basins, terraces, letdowns, culverts) in good condition?

Yes	No	Comments
<input checked="" type="checkbox"/>	<input type="checkbox"/>	

B. FINAL COVER

- 1) Is there adequate growth of grass on the final cover?
 2) Is there evidence of settlement or depressions in the final cover?
 3) Is there evidence of ponding water on the final cover?
 4) Is there evidence of erosion of the final cover?
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 6) Are there trees, shrubs, or other unwanted plants growing on the final cover?

Yes	No	Comments
<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	

C. MISCELLANEOUS REQUIREMENTS

- 1) Is there evidence of leachate seeps? If yes, note if flowing or not.

Yes	No	Comments
<input type="checkbox"/>	<input checked="" type="checkbox"/>	

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LANDFILL POST-CLOSURE MONTHLY OBSERVATION CHECKLIST

FACILITY INFORMATION

Facility: Anderson Excavating C&D Landfill

Permit No.: 78-SDP-04-89C

Location: Council Bluffs, Iowa

Permit Issued: April 1, 2016

Type: C&D Landfill (Closed)

Permit Expires: April 11, 2046

INSPECTION INFORMATION

Inspector: Scott Stoltz

Date and Time: 12:20 PM

Other:

WEATHER CONDITIONS

Wind: SW 15 MPH

Temperature: 90 °F.

Other: Sunny

A. GENERAL CRITERIA

- 1) Are storm water control structures (sedimentation basins, terraces, letdowns, culverts) in good condition?

Yes	No	Comments
<input checked="" type="checkbox"/>	<input type="checkbox"/>	

B. FINAL COVER

- 1) Is there adequate growth of grass on the final cover?
 2) Is there evidence of settlement or depressions in the final cover?
 3) Is there evidence of ponding water on the final cover?
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Yes	No	Comments
<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

C. MISCELLANEOUS REQUIREMENTS

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Yes	No	Comments
<input type="checkbox"/>	<input checked="" type="checkbox"/>	

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LANDFILL POST-CLOSURE MONTHLY OBSERVATION CHECKLIST

FACILITY INFORMATION

Facility: Anderson Excavating C&D Landfill

Permit No.: 78-SDP-04-89C

Location: Council Bluffs, Iowa

Permit Issued: April 1, 2016

Type: C&D Landfill (Closed)

Permit Expires: April 11, 2046

INSPECTION INFORMATION

Inspector: Konner Roth

Date and Time: 8-18-22 / 12:45pm

Other:

WEATHER CONDITIONS

Wind: 11 MPH

Temperature: °F. 82

Other: 29.96 inHg

A. GENERAL CRITERIA

- 1) Are storm water control structures (sedimentation basins, terraces, letdowns, culverts) in good condition?

Yes	No	Comments
<input checked="" type="checkbox"/>	<input type="checkbox"/>	

B FINAL COVER

- 1) Is there adequate growth of grass on the final cover?
 2) Is there evidence of settlement or depressions in the final cover?
 3) Is there evidence of ponding water on the final cover?
 4) Is there evidence of erosion of the final cover?
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Yes	No	Comments
<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

C. MISCELLANEOUS REQUIREMENTS

- 1) Is there evidence of leachate seeps? If yes, note if flowing or not.

Yes	No	Comments
<input type="checkbox"/>	<input checked="" type="checkbox"/>	

Note any repairs that need to be made or that were made. Include locations on a site map or describe below.

LANDFILL POST-CLOSURE MONTHLY OBSERVATION CHECKLIST

FACILITY INFORMATION

Facility: Anderson Excavating C&D Landfill
 Location: Council Bluffs, Iowa
 Type: C&D Landfill (Closed)

Permit No.: 78-SDP-04-89C
 Permit Issued: April 1, 2016
 Permit Expires: April 11, 2046

INSPECTION INFORMATION

Inspector: Honner Both
 Other: _____

Date and Time: 9/7/22 1:45pm

WEATHER CONDITIONS

Wind: 6 MPH
 Other: _____

Temperature: 86 °F

A. GENERAL CRITERIA

- 1) Are storm water control structures (sedimentation basins, terraces, letdowns, culverts) in good condition?

Yes	No	Comments
<input checked="" type="checkbox"/>	<input type="checkbox"/>	

B FINAL COVER

- 1) Is there adequate growth of grass on the final cover?
 2) Is there evidence of settlement or depressions in the final cover?
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 6) Are there trees, shrubs, or other unwanted plants growing on the final cover?

Yes	No	Comments
<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

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Yes	No	Comments
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