

April 29, 2025
File No. 27225178.00

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

Subject: Spring 2025 Semiannual Inspection Report
Heidelberg-Mason City Cement Manufacturing Waste Landfill
Permit No. 17-SDP-08-99P

Dear Mick,

This brief report documents the semi-annual inspection required by the facility's Iowa Department of Natural Resources (DNR) Sanitary Disposal Project Permit and the Iowa Administrative Code. The inspection was made to evaluate the site's general conformance with the 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. A summary from the inspection is provided below.

SUMMARY OF INSPECTION OBSERVATIONS

The following items were observed:

- Filling operations were occurring in the Phase 2 and 3 area in the southwest portion of the monofill.
- Animal burrows were observed on the northeast corner of the Phase 1 area near the top of the fill area.
- Cap vegetation was well established on the Phase 1 and 2 areas that had cover applied. Previous erosion on the southeast corner of the Phase 1 area by the letdown appeared to be stabilized and vegetation was establishing.
- Leachate recirculation was not occurring at the time of inspection. No ponding was observed on areas with cover.
- No leachate seeps were observed.

SUMMARY OF NON-CONFORMANCE WITH PERMIT CONDITIONS

The following items of non-conformance were noted during the inspection.

- Animal burrows were observed on the northeast corner of the Phase 1 area near the top of the fill area which requires repair and reseeded. The area is planned to be repaired before the next inspection.



Items not considered non-compliance but should continue to be monitored included the following:

- Areas of cover should continue to be monitored and maintained as needed.

If you have any questions about this report, please contact us as noted below.

Sincerely,



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Christine L. Collier, P.E.
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SO/KAJ/CLC

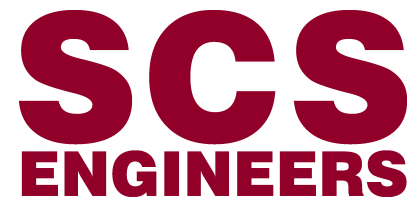
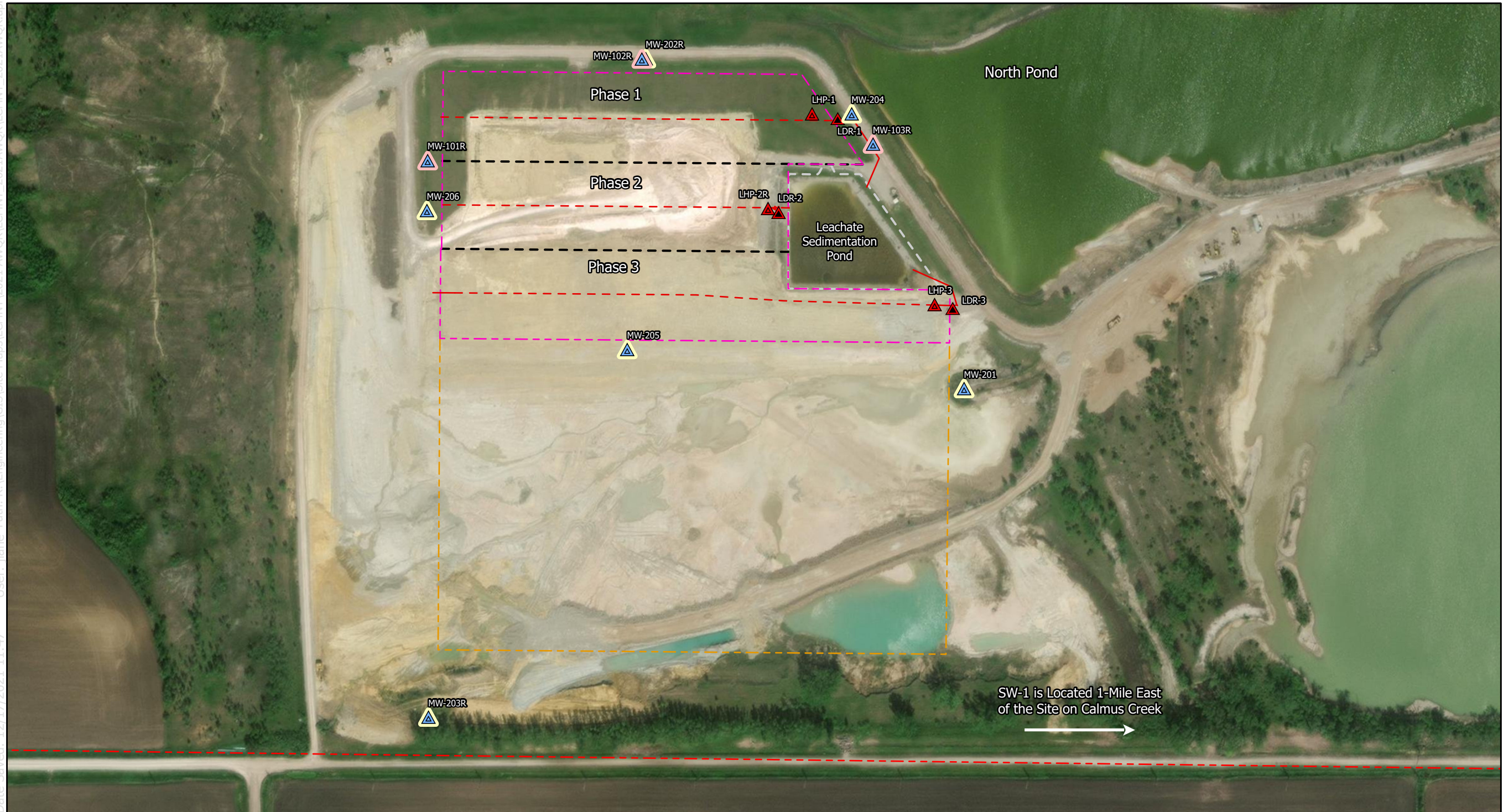
cc: Kimberlie Bumgardner – Heidelberg Materials US Cement
Patrick Karamaga – Heidelberg Materials US Cement
Iowa DNR Field Office #2

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	Date
	My license renewal date is: December 31, 2025	
	Pages or sheets covered by this seal: All	

Encl. Figure 1 – Site Map
Attachment A – Sanitary Landfill Inspection Checklist

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Site Map

Legend

- | | | |
|--------------------------|------------------------------|------------------------|
| Monitoring Well | Leak Detection Lysimeter | Existing Cell Boundary |
| Bedrock Monitoring Point | Leachate Piping - Solid | FML Liner Boundary |
| Clay Monitoring Point | Leachate Piping - Perforated | Future Waste Boundary |
| Leachate Piezometer | Waste Boundary | Property Boundary |

Heidelberg-Mason City
Cement Mfg. Waste Landfill
Mason City, Iowa
Project No: 27225178.00
Drawing Date: April 2025

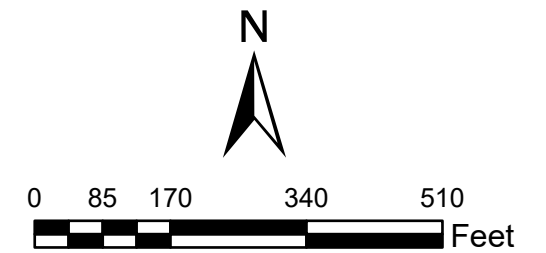


Figure 1

Maxar, Microsoft, Esri, CGIAR, USGS, GEODATA, Esri, HERE, Garmin, FAO, METI/NASA, USGS

ATTACHMENT A
SANITARY LANDFILL INSPECTION CHECKLIST

SCS Engineers
1690 All-State Court, Suite 100
Sanitary Landfill Inspection Checklist

Permit #: 17-SDP-08-99P

Facility Name: Heidelberg -Mason City Cement Manufacturing
Waste Landfill **Responsible Official:** Patrick Karamaga

County: Cerro Gordo **Address:** 700 25th Street NW, Mason City, Iowa

Facility Operator: Heidelberg Materials US Cement, LLC **Phone:** (641) 421-3442

Address: 700 25th Street NW, Mason City, Iowa **Date Last Inspection:** September 17, 2024

Phone: (641) 421-3400 **Date This Inspection:** March 18, 2025

At the Time of this Inspection:

- **Facility personnel present:** None
- **Surface conditions:** Dry
- **Wind direction and speed:** East, 15-20 mph
- **Ambient temperature:** 57° 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 type="checkbox"/>	1. Fill Cover: final	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	10. Special Waste Handling
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input 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 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"/>	4. Cover erosion; Ponding	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	13. Staffing
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5. Drainage into fill	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input 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. Landfill cover and vegetation on the covered portions of Phase 1 and 2 were in good condition. Animal burrows were observed on the northeast corner of the Phase 1 area near the top of the fill area.
2. Filling operations were occurring in the Phase 2 and 3 area in the southwest portion of the monofill.
4. Previous cap erosion on the southeast corner of the Phase 1 area appeared to be stabilized and vegetated. No ponding was observed on areas with cover.
5. Runoff was being controlled into the active area. Special Provision 2.e. of the sanitary disposal project permit allows for exemption of daily and weekly soil cover applications.
6. No seeps were observed.
12. Operator certificates were current. Permit variance approved 10/24/2003 allows for unloading of waste at the working face when a certified operator is not on duty.
13. Adequate personnel are employed to control landfill operations.
14. Equipment was sufficiently maintained, and backup equipment was available.
15. Access roads leading to the site and within the site were in good condition.
16. The perimeter fence, gate, signs, and wells were in good condition.
18. The landfill cap should continue to be periodically monitored and maintained as necessary. Continue to monitor and maintain the southeast corner of the Phase 1 area by the letdown. Repair and reseed the area of animal burrows observed on the northeast corner of the Phase 1 area near the top of the fill area.

AUTHENTICATION

INSPECTOR	Kevin Jensen and Semir Omerovic	Date: 3/18/2025
REVIEWER	Christine L. Collier, P.E.	Date: 4/17/2024