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October 15, 2026

Submitted via electronic mail

Mr. Brian Rath
Land Quality Bureau
Iowa Department of Natural Resources
6200 Park Ave, Suite 200
Des Moines, IA 50321

**Subject: Monitoring Well Abandonment Documentation
Interstate Power and Light Company Ottumwa-Midland Landfill (OML)
Permit #90-SDP-8-92P**

Dear Mr. Rath,

On behalf of Interstate Power and Light Company (IPL), Alliant Energy is submitting the enclosed report prepared by SCS Engineers (SCS) documenting the abandonment of MW-17 at Ottumwa-Midland Landfill (OML) in Ottumwa, Iowa. Abandonment was completed per prior communications with the Department. Should the Department require additional information in its review of this request, please contact me at (608) 458-3197.

Sincerely,

A handwritten signature in black ink, appearing to read "Matt Bizjack", with a stylized flourish at the end.

Matt Bizjack
Senior Environmental Specialist
Alliant Energy Corporate Services, Inc.
On behalf of IPL

CC: Matt Loehr (IPL)
Jenny Coughlin (Alliant Energy)
Bri Salome, Brad Kraemer (SCS)

Enclosures

October 14, 2026
File No. 25226216.00

Mr. Brian Rath
Iowa Department of Natural Resources
6200 Park Ave. Suite 200
Des Moines, IA 50321

Subject: Monitoring Well Abandonment Documentation
Ottumwa Midland Landfill
Permit No. 90-SDP-08-92P
Interstate Power and Light Company
Ottumwa, Iowa

Dear Mr. Rath

On behalf of Interstate Power and Light Company (IPL), SCS Engineers (SCS) is submitting this documentation of monitoring well abandonment at the Ottumwa Midland Landfill (OML). The location of the OML site is shown on **Figure 1**.

The Iowa Department of Natural Resources (IDNR) staff approved the abandonment of monitoring well MW-17 at OML due to insufficient water volume for water level measurement and/or sample collection during recent sampling events.

IDNR approved abandonment of MW-17 without replacement in an email dated May 29, 2026, in accordance with Iowa Administrative Code (IAC) 567.39. The location of MW-17 is shown on **Figure 2**.

MONITORING WELL ABANDONMENT

Monitoring well MW-17 was installed with a backhoe during a trench excavation (i.e., it was not drilled/installed in a borehole by a well driller) in August 1995. The trench was excavated for construction of a leachate pipe, and MW-17 is located above the pipe. The original 2-inch-diameter schedule 40 PVC casing and steel protective top (protop) for MW-17 was also extended further above grade since its original installation.

There is an existing platform that provides access to the top of the well. Abandonment by over-drilling would typically be the preferred method for abandonment of this well due to its location with the footprint of a potential future landfill phase. However, because of this well's unconventional construction and its location in the same trench as a leachate line, this method was not practical and potentially risked damage to the leachate line. IDNR staff concurred in an email on May 29, 2026, that MW-17 would be abandoned in place and the PVC would be cut to approximately 4 feet below ground surface with full removal of the well to be completed at a later date during the Phase 6 landfill module construction.

Monitoring well MW-17 was abandoned in place on September 9, 2026. The protective casing (protop) was cut to grade level and the 2-inch PVC well casing was cut 4 feet below grade. The



Mr. Brian Rath
October 14, 2026
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remaining well was tremie grouted from the bottom of the 2-inch PVC casing to ground surface, then topped with granular bentonite and concrete. The abandonment form documenting the abandonment is included as **Attachment A** and was submitted to IDNR and the local Wapello County agent by email on October 5, 2026, within the 30-day required period. A photo log of the abandonment work is included as **Attachment B**.

If you have any questions concerning the well abandonment documentation, please contact Brad Kraemer at 608-893-4062 or bkraemer@scsengineers.com.

Sincerely,



Bri Salome
Staff Professional/Staff Hydrogeologist
SCS Engineers



Brad Kraemer
Project Manager/Senior Hydrogeologist
SCS Engineers

BAS/LH/JC/BRK

cc: Jeff Maxted, Alliant Energy
Matt Bizjack, Alliant Energy,
Jenny Coughlin, Alliant Energy

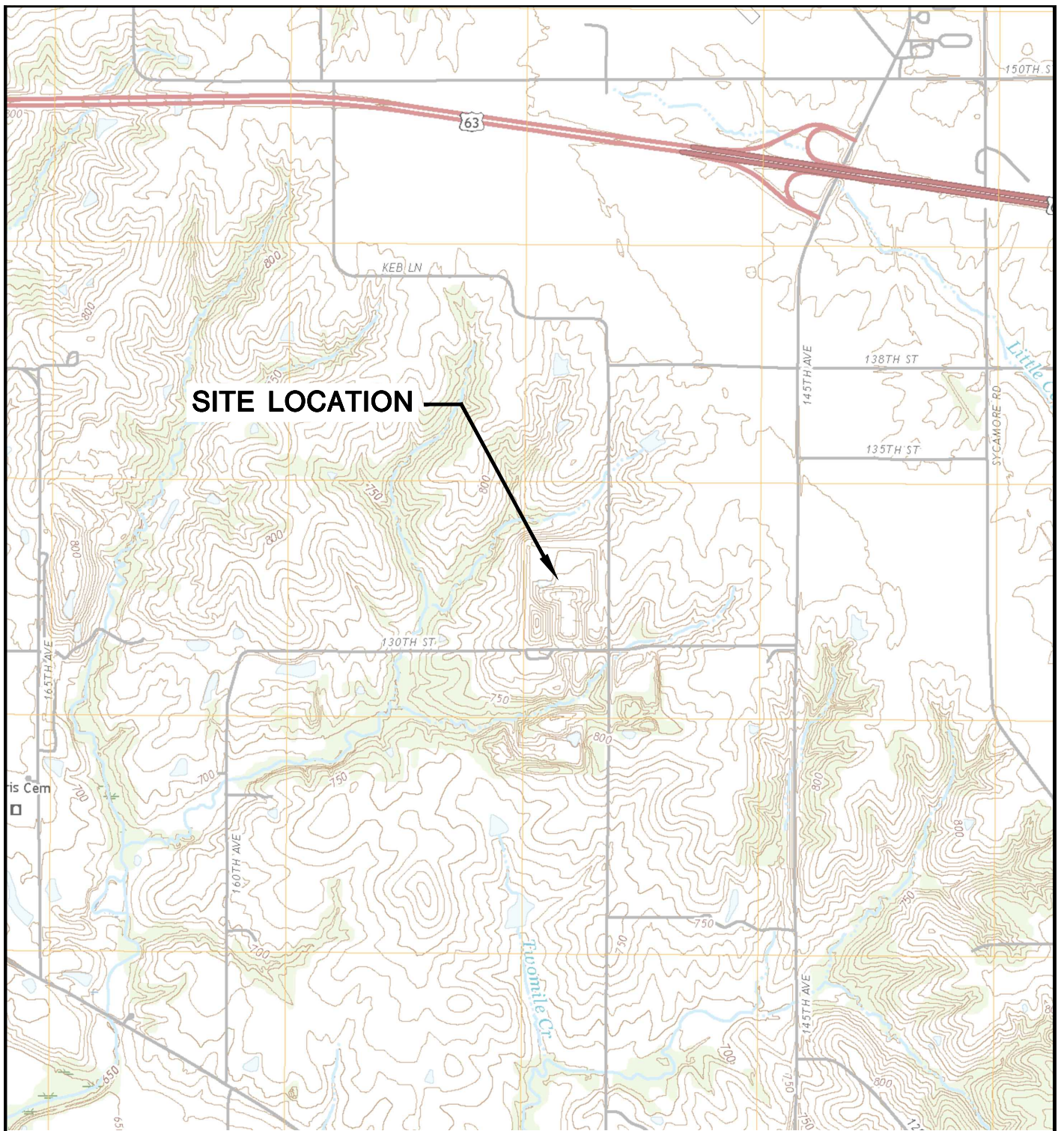
Encl. Figure 1 – Site Location Map
Figure 2 – Site Plan and Monitoring Well Locations
Attachment A – Monitoring Well Abandonment Documentation
Attachment B – Photo Log

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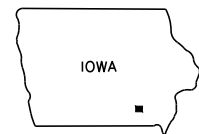


Figures

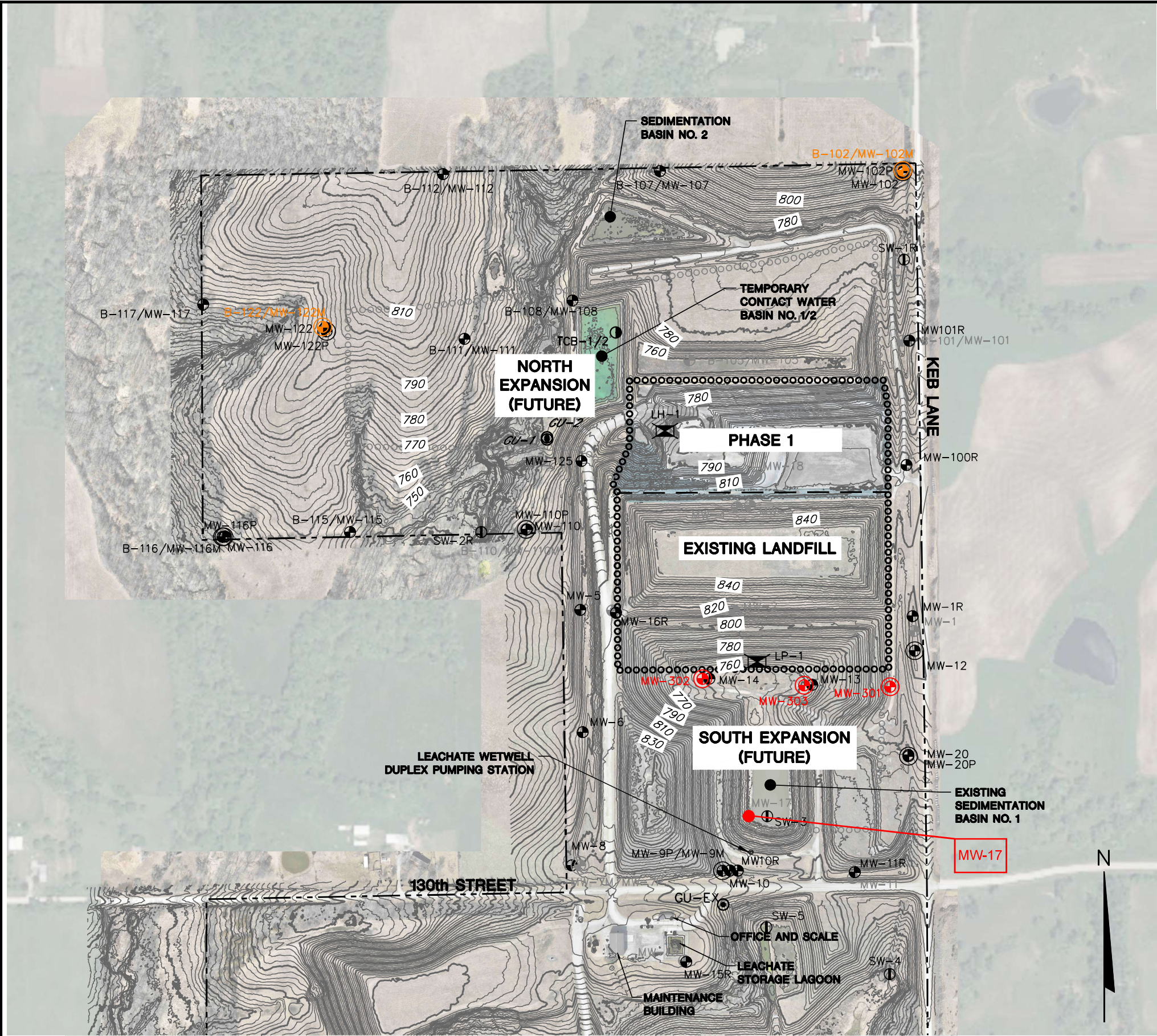
- 1 Site Location Map
- 2 OML Site Plan



OTTUMWA NORTH QUADRANGLE
IOWA-WAPELLO CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)
2018
SCALE: 1" = 2,000'



CLIENT INTERSTATE POWER AND LIGHT CO. 15300 130TH STREET OTTUMWA, IA 52501	SITE ALLIANT ENERGY OTTUMWA MIDLAND LANDFILL OTTUMWA, IOWA	SITE LOCATION MAP	
PROJECT NO. 252519073.00	DRAWN BY: BSS	SCS ENGINEERS 2830 DAIRY DRIVE MADISON, WI 53718-6751 PHONE: (608) 224-2830	FIGURE
DRAWN: 11/18/2019	CHECKED BY: MDB		1
REVISED: 01/13/2020	APPROVED BY: TK 01/30/2020		



LEGEND

APPROXIMATE PROPERTY LINE

o-o-o-o-o-o-o-o

APPROVED WASTE LIMITS

o-o-o-o-o-o-o-o

EXISTING WASTE LIMITS

PHASE LIMIT

800

EXISTING GRADE (10' CONTOUR)

EXISTING GRADE (2' CONTOUR)

CCR RULE PIEZOMETER

CCR BACKGROUND MONITORING WELL

EXISTING MONITORING WELL

EXISTING PIEZOMETER

EXISTING SURFACE WATER MONITORING STAFF GAUGE

ABANDONED MONITORING WELL

ABANDONED SURFACE WATER MONITORING STAFF GAUGE

LEACHATE HEADWELL

GROUNDWATER UNDERDRAIN

TEMPORARY CONTACT WATER BASIN

NOTES:

1. BACKGROUND AERIAL IMAGE IS A COMPOSITE OF PHOTOGRAPHY IMPORTED FROM BING MAPS USING AUTOCAD GEOLOCATION TOOL, AND DRONE PHOTO BY SCS ENGINEERS DATED MARCH 11, 2025.

2. EXISTING GRADES FROM MARCH 11, 2025 DRONE SURVEY BY SCS ENGINEERS.

3. DRAWING COORDINATES: IOWA STATE PLAN, SOUTH ZONE, US FOOT, NAD8E DATUM. VERTICAL DATUM IS NAVD 88.

4. PROPERTY LINE SOUTH OF 130TH STREET FROM SURVEY MAP PREPARED BY GARDEN & ASSOCIATES, OSKALOOSA, IOWA, DATED DECEMBER 20, 1988.

5. PROPERTY LINE NORTH OF 130TH STREET FROM PLAT OF SURVEY MAP PREPARED BY SCS ENGINEERS, MADISON, WISCONSIN, DATED FEBRUARY 20, 2013.

6. EXISTING LIMITS OF WASTE ARE APPROXIMATE.

7. MONITORING WELLS MW-301, AND MW-302 WERE INSTALLED BY CASCADE DRILLING BETWEEN NOVEMBER 16, 2015, AND DECEMBER 3, 2015.

8. MONITORING WELL MW-303, WAS INSTALLED BY TEAM SERVICES BETWEEN APRIL 11, 2016 AND APRIL 26, 2016.

9. THE BACKGROUND MONITORING WELLS FOR OTTUMWA MIDLAND LANDFILL ARE: MW-122M AND MW-102M.

10. WELLS MW-2, MW-3, AND MW-4 WERE ABANDONED DURING CONSTRUCTION OF EXISTING LANDFILL.

11. WELLS MW-18, MW-101, MW-104, AND MW-105 WERE ABANDONED DURING EXPANSION CONSTRUCTION.

12. MW-17 WAS ABANDONED SEPTEMBER 9, 2026 DUE TO INSUFFICIENT WATER VOLUME FOR WATER LEVEL AND/OR SAMPLE COLLECTION DURING SAMPLING EVENTS.

4000400

SCALE: 1" = 400'

PROJECT NO.	25225073.00	DRAWN BY:	RVG/SB	ENGINEER	SCS ENGINEERS 2830 DAIRY DRIVE MADISON, WI 53718-6751 PHONE: (608) 224-2830	CLIENT	INTERSTATE POWER AND LIGHT CO. 15300 130th STREET OTTUMWA, IA 52501	SITE	OTTUMWA MIDLAND LANDFILL OTTUMWA, IOWA	SITE PLAN AND MONITORING WELL LOCATIONS	FIGURE
DRAWN:	12/03/2025	CHECKED BY:	BAS								2
REVISED:	09/18/2026	APPROVED BY:	BRK (09/18/2026)								

I:\Client\Alliant\PROJECT SITES\Ottumwa\CAD Master References OML\02_Ottumwa Site Plan.dwg, 9/19/2026 9:21:56 AM



Attachment A

Monitoring Well Abandonment Documentation



IOWA DEPARTMENT OF NATURAL RESOURCES

**Monitoring Well/Piezometer
Abandonment Form**Disposal Site Name: Ottumwa Midland Landfill Permit No.: _____Well/Piezometer No.: MW-17

Applicable Requirements¹: ☐ 567 IAC 113 ☐ 567 IAC 139
☐ 567 IAC 114 ☐ Site Permit
☐ 567 IAC 115 ☐ Other: _____

1. Location of Well²Site Coordinates: Northing: 7059.56 Easting: 6990.03

World Coordinates: Latitude: _____ Longitude: _____

2. Well Description:Well depth: 9.5 ft 19.57Depth to water: 6.33 ft 16.40Well material: PVC (PVC, stainless, iron, etc.)Well diameter: 2" in.Year or decade constructed: 8/8/1995Abandonment date: 9/9/2026Abandonment method: cut protop to grade/cut PVC 4' below grade/tremie grout from bottom of PVC to the ground surface (volume : 4 gail)/removed remainder of protop/topped with native soil and graded to direct surface water flow away from abandoned wellIf plugged by owner, complete the following: topped w/ granular bentonite and concrete

I certify, under penalty of law, I believe the information reported on this form is true, accurate, and complete.

Signature of Owner _____

If plugged by certified well contractor, complete the following:

I certify, under penalty of law, I believe the information reported on this form is true, accurate, and complete.

Signature of Contractor: [Signature] Cert No: 9361

Complete one form for each well plugged and submit within 30 days to the local county agent, DNR project officer, and Erik Day with the DNR's Water Supply Section at erik.day@dnr.iowa.gov.

¹ Refer to the site's permit to determine applicable requirements. Note that some sites may only be regulated by their permit versus current landfill chapters. If the permit and rule are silent regarding applicable requirement, then 567 UAC Chapter 39 shall apply, which requires use of the Abandoned Water Well Plugging Record, not this form. If the applicable requirements have been modified and approved by the DNR, then note under Other.

² The location does not need to be surveyed by a licensed surveyor. A handheld GPS reading accurate to +/- 30 feet is acceptable and include with this form an aerial photograph showing the location. The site coordinates should be the same coordinate system currently used for survey control and mapping of the site.



Attachment B

Photo Log

**Ottumwa Midland Landfill
15300 130th Street, Ottumwa, Iowa 52501
SCS Engineers Project #25226216.00**



Photo 1: MW-17, located at the end of the boardwalk access. (Looking northwest)



Photo 2: MW-17 location at the end of the wooden boardwalk structure. (Looking northeast)

**Ottumwa Midland Landfill
15300 130th Street, Ottumwa, Iowa 52501
SCS Engineers Project #25226216.00**



Photo 3: Condition of boardwalk to well prior to well abandonment. (Looking east)



Photo 4: MW-17 condition prior to abandonment. (Looking east)

**Ottumwa Midland Landfill
15300 130th Street, Ottumwa, Iowa 52501
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Photo 5: MW-17.
(Looking southeast)



Photo 6: MW-17 protop
prior to abandonment.
Rusted out, did not require
additional tools to remove.
(Looking down)

**Ottumwa Midland Landfill
15300 130th Street, Ottumwa, Iowa 52501
SCS Engineers Project #25226216.00**



Photo 7: Made minor cuts on either side of well to lift protop off well. (Looking down)



Photo 8: Removing MW-17 protop. (Looking east)

**Ottumwa Midland Landfill
15300 130th Street, Ottumwa, Iowa 52501
SCS Engineers Project #25226216.00**



Photo 9: PVC of MW-17 was bent. (Looking north)



Photo 10: Cut PVC stickup. (Looking down)

**Ottumwa Midland Landfill
15300 130th Street, Ottumwa, Iowa 52501
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Photo 11: Certified driller cutting PVC to 4 feet below ground surface. (Looking down)



Photo 12: Tremie set up to abandon MW-17 with grouting from the bottom up. (Looking down)

**Ottumwa Midland Landfill
15300 130th Street, Ottumwa, Iowa 52501
SCS Engineers Project #25226216.00**



Photo 13: Grout overflowing from well after tremie piping from bottom to surface. (Looking down)



Photo 14: Final abandonment. PVC cut to approximately 4 feet bgs and protop to ground surface. The concrete pad supports the wooden structure so it could not be fully removed. Hole topped with granular bentonite, sealed with concrete.