

January 31, 2025
File No. 272234360.25

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

Subject: 2024 Landfill Gas Annual Report
Original/C&D and Meinders/Hartog MSWLF Units
Mahaska County Sanitary Landfill
Permit No. 62-SDP-07-93C

Dear Brad:

This letter documents the completion of the 2024 annual landfill gas monitoring as required by the 1989 Iowa Administrative Code 567-103.2(15) for the closed Original/C&D and Meinders/Hartog municipal solid waste landfill (MSWLF) units at the Mahaska County Sanitary Landfill. Gas monitoring of the subsurface monitoring points was performed semi-annually. Attached is Figure 1 (Methane Monitoring Network) and a summary of methane monitoring results.

There were no exceedances of an action level during this reporting period.

If you have any questions regarding this report, please contact Nathan Ohrt at (319) 331-9613.

Sincerely,



Nathan Ohrt
Senior Project Professional
SCS Engineers

NPO/TCB



Timothy C. Buelow, P.E.
Senior Project Advisor
SCS Engineers

Copies: Mr. Joe Farris, Mahaska County Sanitary Landfill



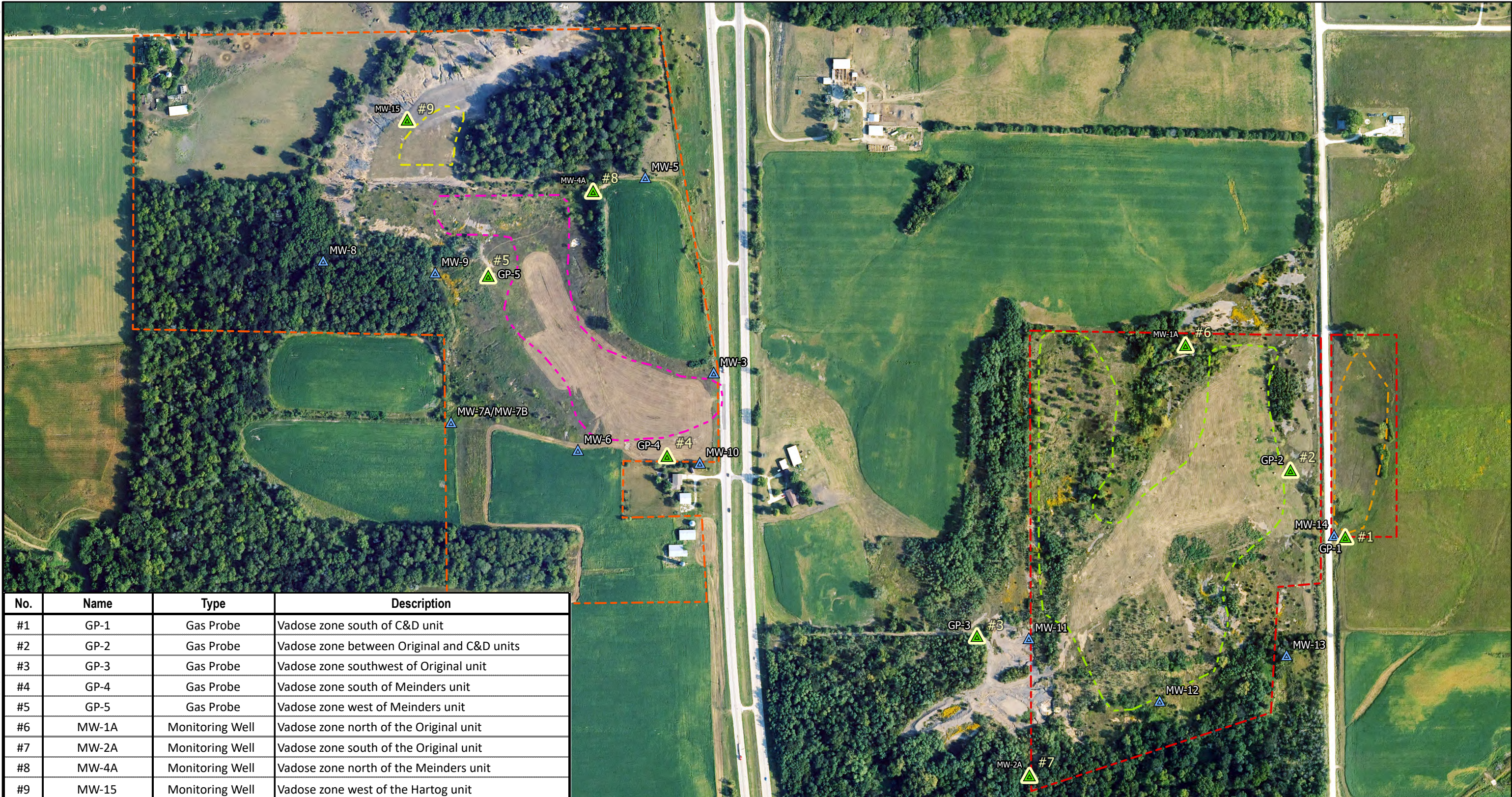
Gas Monitoring Summary
2024 Gas Monitoring Report
Original/C&D and Meinders/Hartog MSWLF Units
Mahaska County Sanitary Landfill
Permit No. 62-SDP-07-93C

Monitoring Points				Methane Results (% LEL)			
ID	Name	Type	Description	5/15/2024	S (Y/N)	11/20/2024	S (Y/N)
#1	GP-1	Gas Probe	Vadose zone south of C&D unit	0	Y	0	N
#2	GP-2	Gas Probe	Vadose zone between Original and C&D units	0	Y	0	Y
#3	GP-3	Gas Probe	Vadose zone southwest of Original unit	0	N	0	N
#4	GP-4	Gas Probe	Vadose zone south of Meinders unit	0	N	0	N
#5	GP-5	Gas Probe	Vadose zone west of Meinders unit	4	N	0	N
#6	MW-1A	Monitoring Well	Vadose zone north of the Original unit	0	N	0	N
#7	MW-2A	Monitoring Well	Vadose zone south of the Original unit	0	N	0	N
#8	MW-4A	Monitoring Well	Vadose zone north of the Meinders unit	0	N	0	N
#9	MW-15	Monitoring Well	Vadose zone west of the Hartog unit	0	N	0	N

S(Y/N) - Was screen submerged, yes or no or blank is non-applicable

No action levels were exceeded during this reporting period.

Date Saved: 6/29/2024 1:53 PM
 User: jmatson
 Path: C:\Users\jmatson\OneDrive - SCS Engineers\Desktop\GIS\MapDocs\MapDocs\2023\AMON - Closed\Mahaska_Closed_2023_AMON.aprx



No.	Name	Type	Description
#1	GP-1	Gas Probe	Vadose zone south of C&D unit
#2	GP-2	Gas Probe	Vadose zone between Original and C&D units
#3	GP-3	Gas Probe	Vadose zone southwest of Original unit
#4	GP-4	Gas Probe	Vadose zone south of Meinders unit
#5	GP-5	Gas Probe	Vadose zone west of Meinders unit
#6	MW-1A	Monitoring Well	Vadose zone north of the Original unit
#7	MW-2A	Monitoring Well	Vadose zone south of the Original unit
#8	MW-4A	Monitoring Well	Vadose zone north of the Meinders unit
#9	MW-15	Monitoring Well	Vadose zone west of the Hartog unit

Methane Monitoring Network

Legend		Mahaska County Sanitary Landfill Original & C&D Sites and Hartog & Meinders Oskaloosa, Iowa Project No: 2722360.25 Drawing Date: November 2024	
	Methane Monitoring Location		Approximate Limits of Property Lines - Hartog & Meinders Site
	Approximate Monitoring Well Location		Meinders Site Waste Boundary
	Approximate Gas Probe Location		Approximate Property Line - Original and C&D Sites
			Hartog Site Waste Boundary
			Original Site Waste Boundary
			C&D Site Waste Boundary

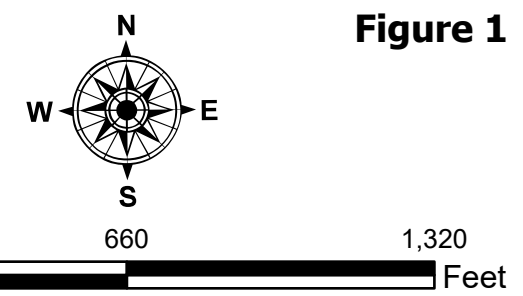


Figure 1