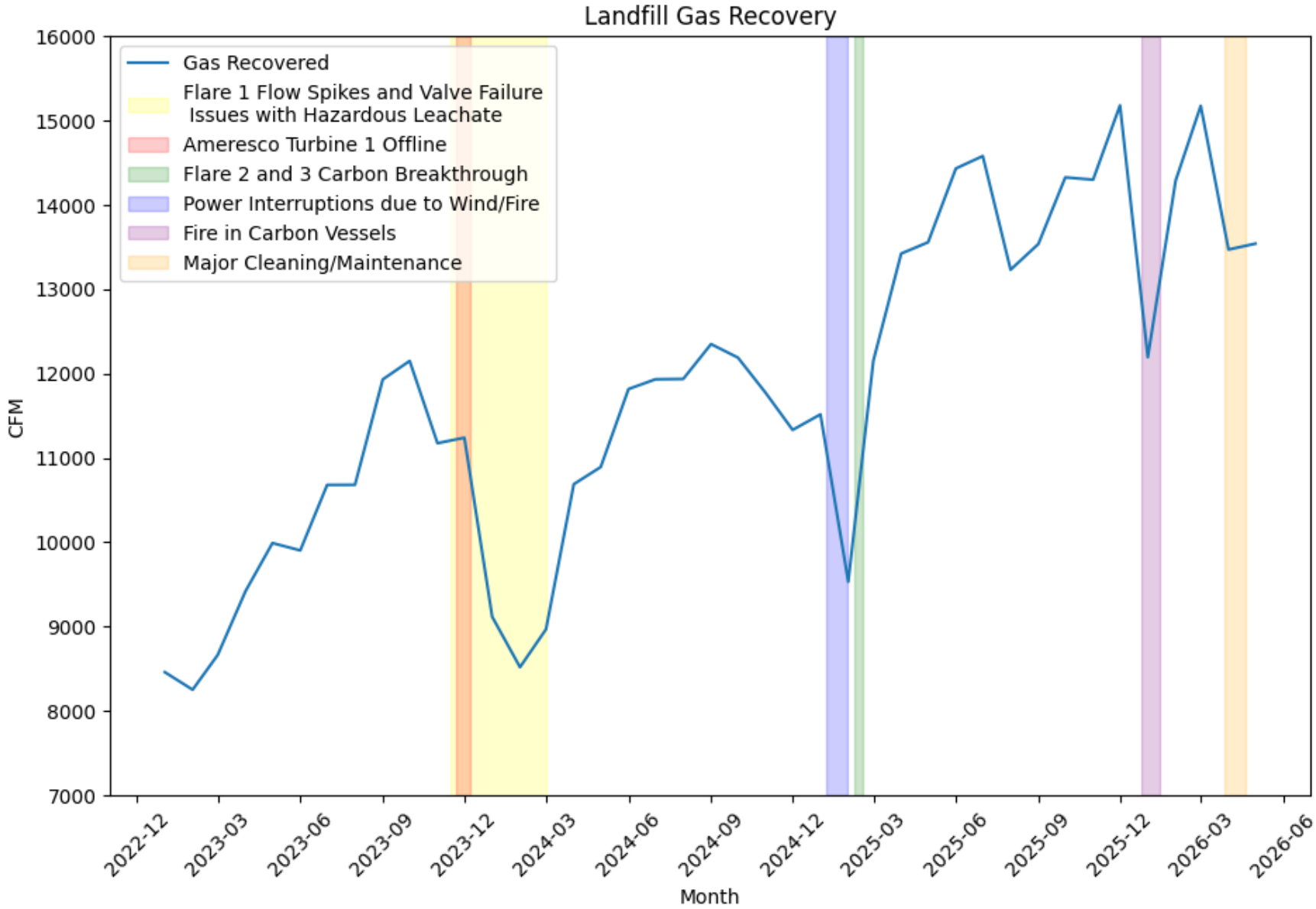
SCAQMD v. CCL Hearing

Patrick Sullivan, BCES, CPP, REPA

May 28, 2026

SCS ENGINEERS



*Data updated through May 17,2026

**After cleaning, current flow over 16,000

Landfill Gas Recovery

Time Period	Total Average Gas Recovery (cfm)	Leachate Vapor Flow (cfm)	Average Gas (cfm)
Apr-25	14,268	847	13,421
May-25	14,371	816	13,555
Jun-25	15,146	716	14,430
Jul-25	15,137	560	14,577
Aug-25	14,657	1,427	13,230
Sep-25	15,131	1,596	13,535
Oct-25	14,996	671	14,325
Nov-25	14,828	531	14,297
Dec-25	15,709	531	15,178
Jan-26	12,796	603	12,193
Feb-26	15,126	841	14,285
Mar-26	15,870	697	15,173
Apr-26	14,521	1,052	13,469
May-26 (as of May 17)	13,780	241	13,539

Related to Flare 1 and 5
Related to Flare 4
Related to existing TOX units
Related to new TOX units

Landfill Gas Generation & Control Capacity

Year		2025				2026				2027	2028	Planned Actions
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4			
LandGEM LFG Generation	(scfm)	15,070	15,070	15,070	15,070	14,770	14,770	14,770	14,770	14,480	14,190	
LFG Generation (with reaction gas increase)	15%	17,331	17,331	17,331	17,331	16,986	16,986	16,986	16,986	16,652	16,319	
LFG Generation (with 6000 scfm redundancy)		**23,331**	**23,331**	**23,331**	**23,331**	**22,986**	**22,986**	**22,986**	**22,986**	**22,652**	**22,319**	
Flare 1 (FL-1995)[1]	(scfm)	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	-	-	Will ultimately need to be decommissioned
Flare 2 (FL-2009)		4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	Stack height increase will not be needed
TOX (Zeeco)		2,500	2,500	2,500	2,500	2,500	2,500	2,500	-	-	-	To be replaced for new TOX once Flare 4 on-line; application to be canceled
Flare 3 (FL-2023)		6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	
Flare 4		-	-					-	6,000	6,000	6,000	Installed by Q4 2026
TOX (Parnel)		2,000	2,000	2,000	2,000	2,000	2,000	2,000	-	-	-	To be replaced for new TOX once Flare 4 on-line; application to be canceled
TOX (HERO)				2,500	2,500	2,500	2,500	2,500	-	-	-	To be replaced for new TOX once Flare 4 on-line; application to be canceled
Flare 5[2]		-	-	-	-	-	-	-	-	-	6,000	If not needed
New TOX #1		-				-	2,305	2,305	2,305	2,305	2,305	Replace HERO TOX
New TOX #2							2,305	2,305	2,305	2,305	2,305	Replace existing ZEECO TOX
New TOX #3		-					2,305	2,305	2,305	2,305	2,305	Replace Parnel TOX
Flare/TOX Capacity		**18,500**	**18,500**	**21,000**	**21,000**	**21,000**	**27,915**	**27,915**	**26,915**	**22,915**	**28,915**	
Ameresco	(scfm)	-	-	-	-	-	-	-	-	-	-	
Total Capacity	(scfm)	**18,500**	**18,500**	**21,000**	**21,000**	**21,000**	**27,915**	**27,915**	**26,915**	**22,915**	**28,915**	

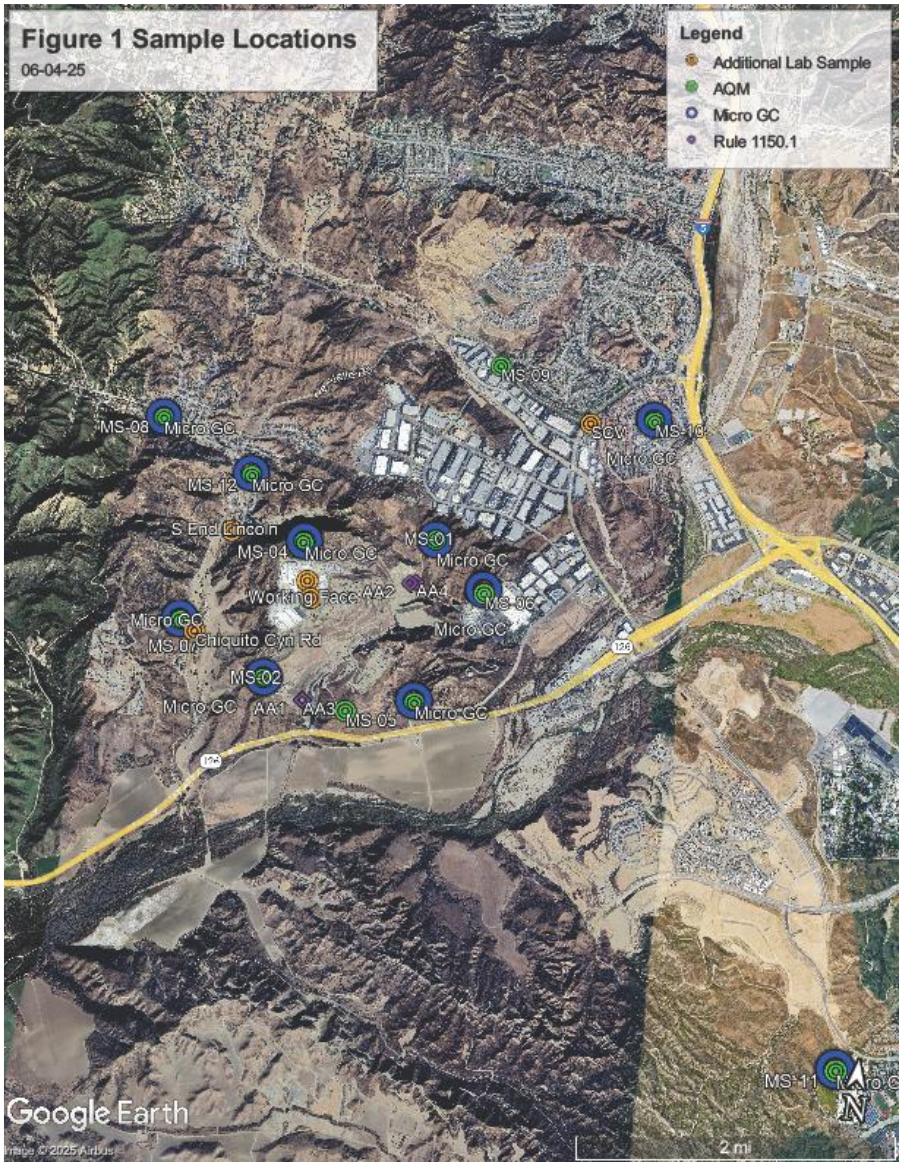
*Data updated through May 20, 2026

Flux Chamber Study Data

		Test Event						
Compound	**Units**	**1 (8/23)**	**2 (3/24)**	**3 (11/24)**	**4 (3/25)**	**5 (7/25)**	**6 (11/25)**	**7(3/26)**
Carbon dioxide	tons/yr	41,312	327,049	216,177	100,526	46,702	92,157	95,819
Methane	tons/yr	3,357	11,456	6,880	4,756	285	2,979	3,804
Total VOC	tons/yr	207	853	61	26	2.6	4.39	17.46
Methanol	tons/yr	9.09	<4	0.51	0.79	0.45	0.34	5.59
Acetone	tons/yr	17.64	50.66	1.30	1.38	0.54	0.69	2.30
Benzene	tons/yr	9.33	104.31	0.27	0.90	0.14	0.20	2.04
2-Butanone (MEK)	tons/yr	9.06	51.20	0.24	0.30	0.07	0.14	1.13
Total Xylenes	tons/yr	1.52	9.79	0.30	0.48	0.08	0.10	1.13
Tetrahydrofuran	tons/yr	13.62	106.99	0.06	0.23	0.01	0.12	1.01
Dimethyl Sulfide	tons/yr	15.16	57.90	0.93	0.95	ND	0.84	0.90
Ethylbenzene	tons/yr	1.14	10.07	0.16	0.20	0.03	0.05	0.77
Toluene	tons/yr	2.00	18.64	0.22	0.29	0.06	0.11	0.75
Isopropyltoluene	tons/yr	3.72	15.23	0.18	0.51	<0.05	0.14	0.71
Nonane	tons/yr	<0.1	<4	<0.05	<0.05	<0.05	0.05	0.27
Hydrogen Sulfide	tons/yr	0.13	3.81	0.72	0.24	0.15	0.40	0.20
Propylene (Corrected)	tons/yr	6.62	29.82	0.69	0.41	0.05	0.08	0.19
Octane	tons/yr	<0.1	<4	<0.05	<0.05	<0.05	0.05	0.17
Acrolein	tons/yr	NA	NA	NA	NA	0.05	0.07	0.16
n-Heptane	tons/yr	<0.1	<4	<0.05	<0.05	<0.05	0.05	0.15
Chloroform	tons/yr	<0.1	<4	<0.05	<0.05	<0.05	0.05	0.10
Cyclohexane	tons/yr	<0.1	<4	<0.05	<0.05	<0.05	0.03	0.10
Hexane	tons/yr	<0.1	<4	<0.05	<0.05	<0.05	0.09	0.04
1,2-Dichloroethane	tons/yr	<0.1	<4	<0.05	<0.05	<0.05	0.02	0.03
Chloroethane	tons/yr	<0.1	<4	<0.05	<0.05	<0.05	0.03	0.02
Trichloroethene (TCE)	tons/yr	<0.1	<4	<0.05	<0.05	<0.05	1.07	0.02

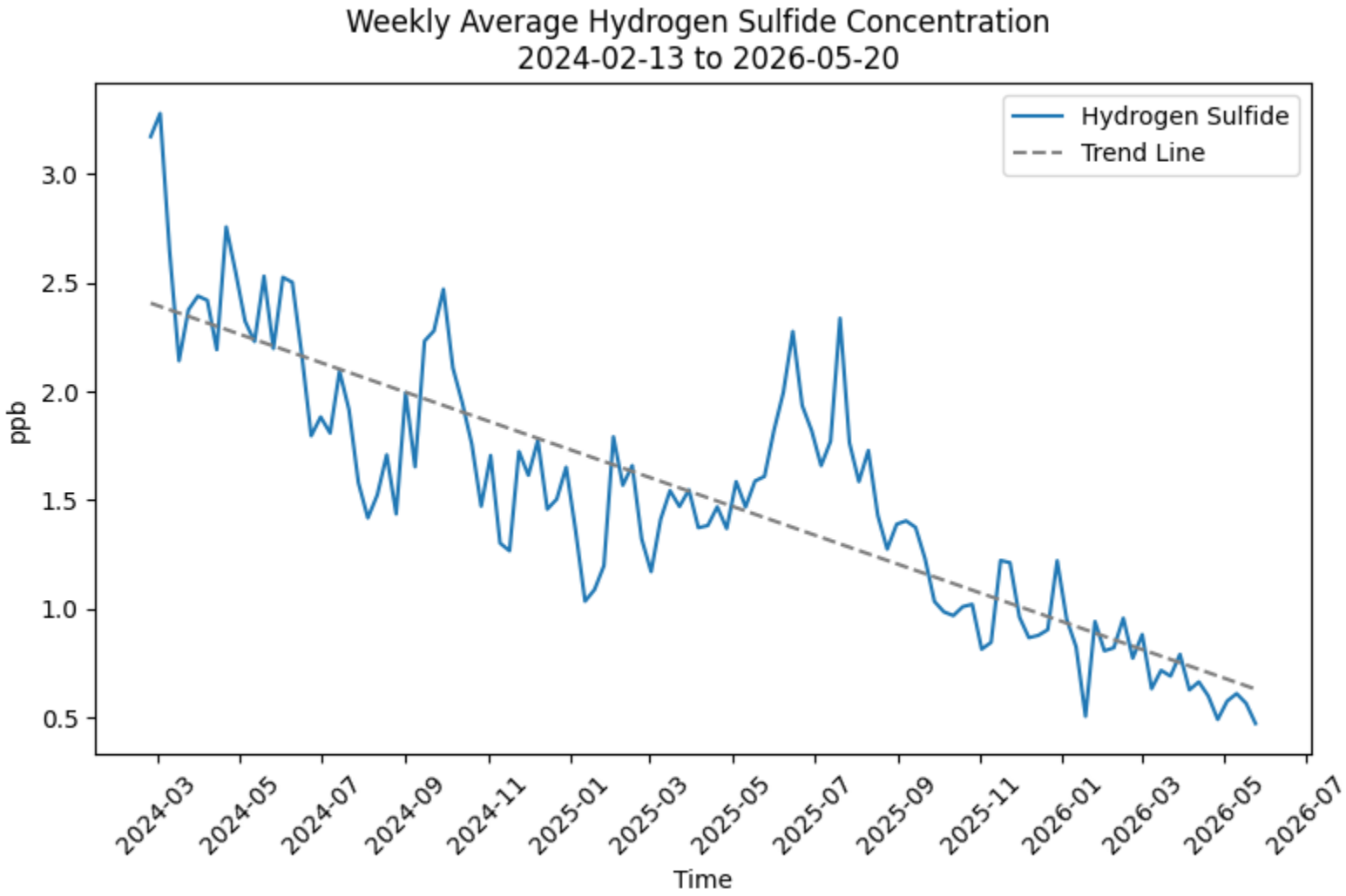
Air Monitoring Program

Location/ Sample Name		Continuous			Monthly Discrete	24-Hour	12-Hour
		H_2S/ PM_{10}/ $PM_{2.5}$	CH_4 SO_2	VOC via Micro-GC	307.91 - Sulfur TO-15 - Full List Sampling	307.91 - Sulfur TO-15 - SIM	H_2S 1150.1 Table 1 VOCs
Sample Schedule					*	Mon-Tues	Monthly
On-Site	MS-01	X	X	X	X		
	MS-02	X	X	X	X		
	MS-03	X	X	X	X		
	MS-04	X	X	X	X		
	MS-05	X	X		X		
	1150.1 Upwind						X
	1150.1 Downwind						X
Off-Site	MS-06	X	X	X	X	X	
	MS-07	X	X	X	X	X	
	MS-08	X	X	X	X	X	
	MS-09	X	X		X	X	
	MS-10	X	X	X	X	X	
	MS-11	X	X	X	X	X	
	MS-12	X	X	X	X	X	



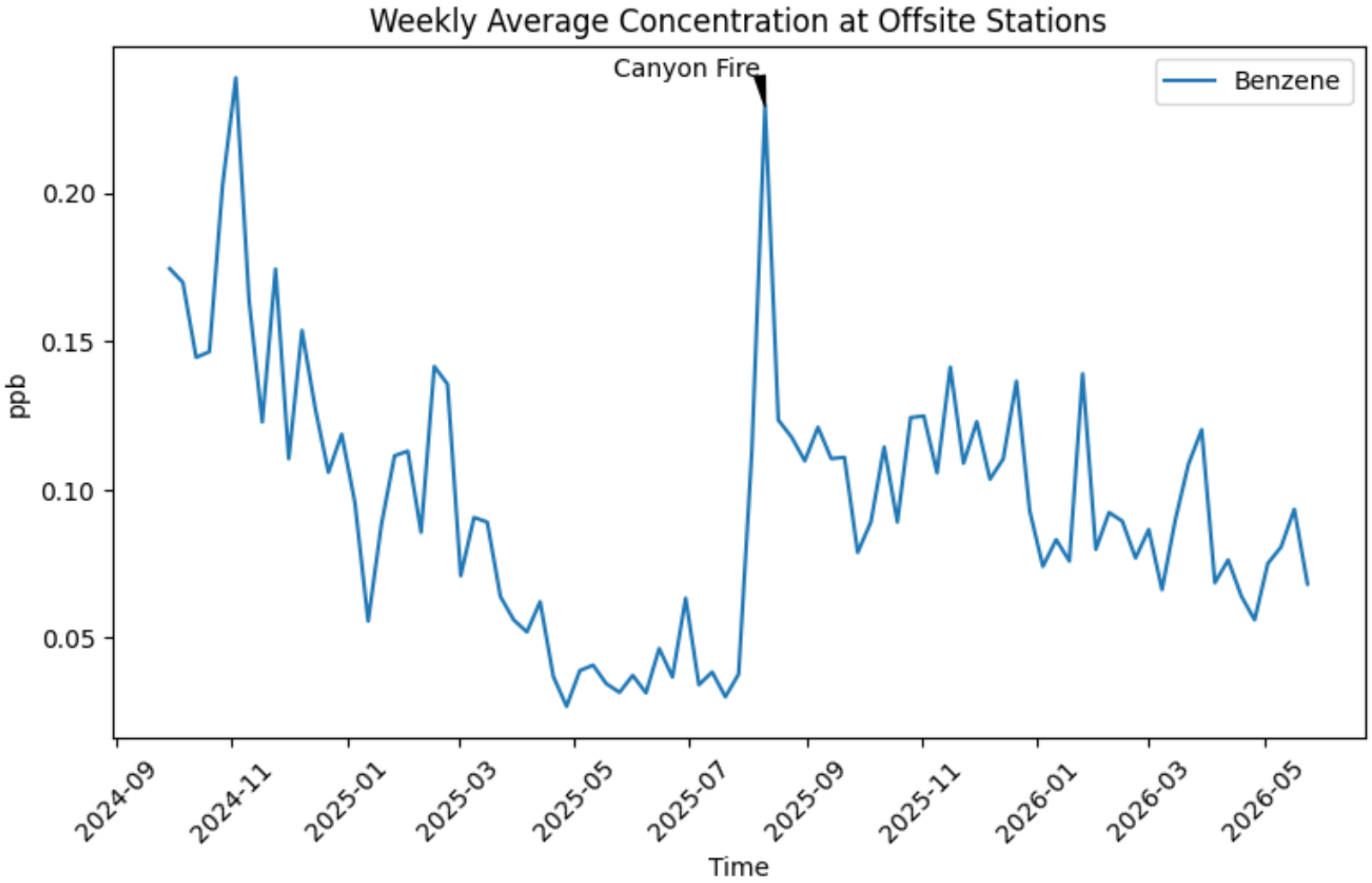
*Discrete sampling at 5 out of 12 locations each month on a rotating basis

Offsite Hydrogen Sulfide Data



*Data updated through May 20, 2026

Offsite Benzene Data



*Data updated through May 20, 2026

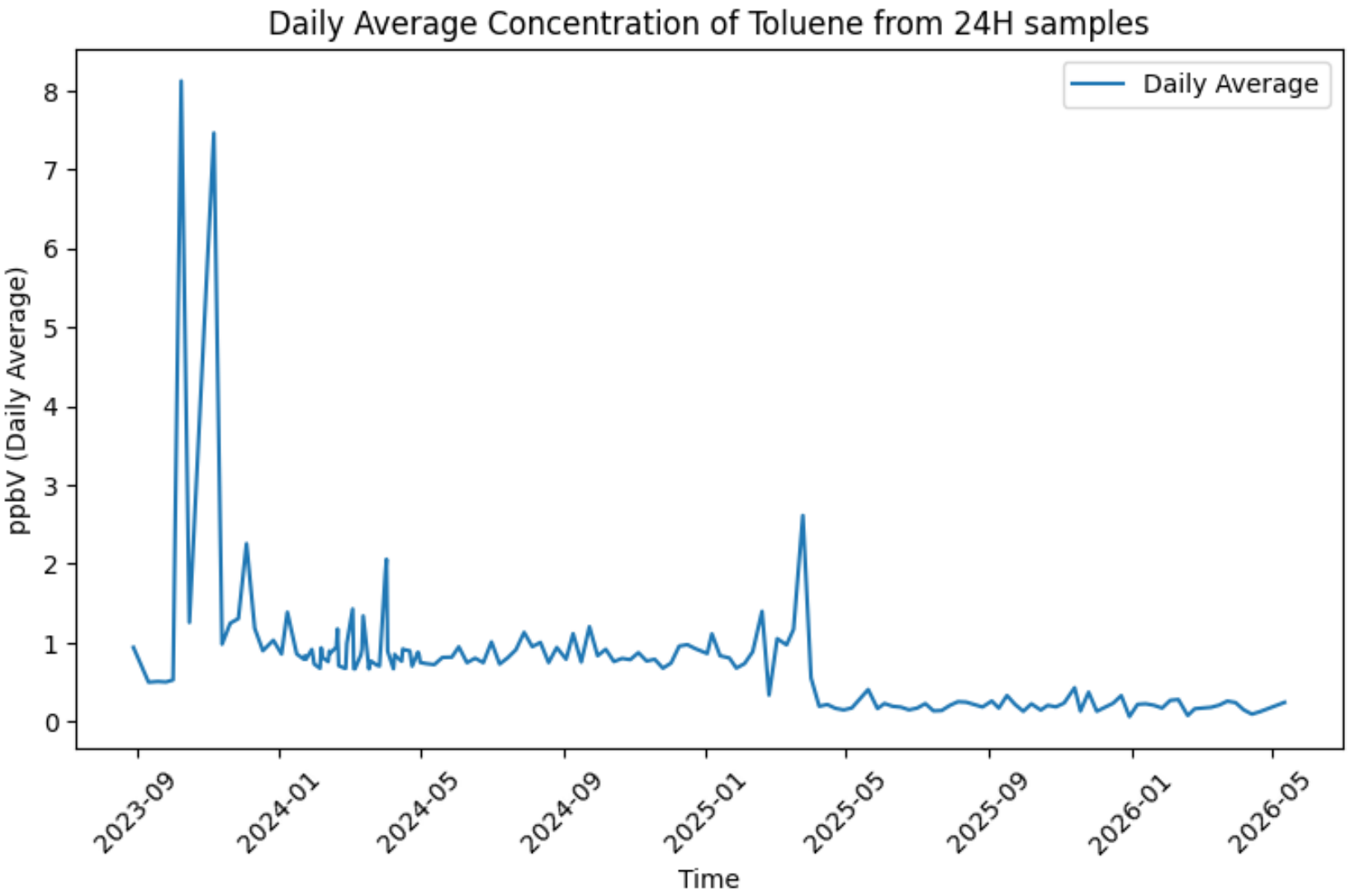
Offsite Acute REL Exceedances

Compound	Max Recorded (parts per billion – PPB)	OEHHA REL (parts per billion – PPB)	Number of Data Points	Number Above Threshold	Percent Above Threshold
Benzene	14.24	8	80286	3	0.004
2_Butanone	35.85	4,500	80283	0	0
Hydrogen Sulfide**	29	30	79664	0	0
Isopropyl Alcohol	68.09	1,300	79308	0	0
Methanol	89.81	21,000	80257	0	0
Toluene	28.32	1,300	80286	0	0
m,p-Xylene	57.45	5,000	78802	0	0
Acrolein**	1.49	1.1	44751	2	0.004

*Data from 6-20-2024 through 05-20-2026

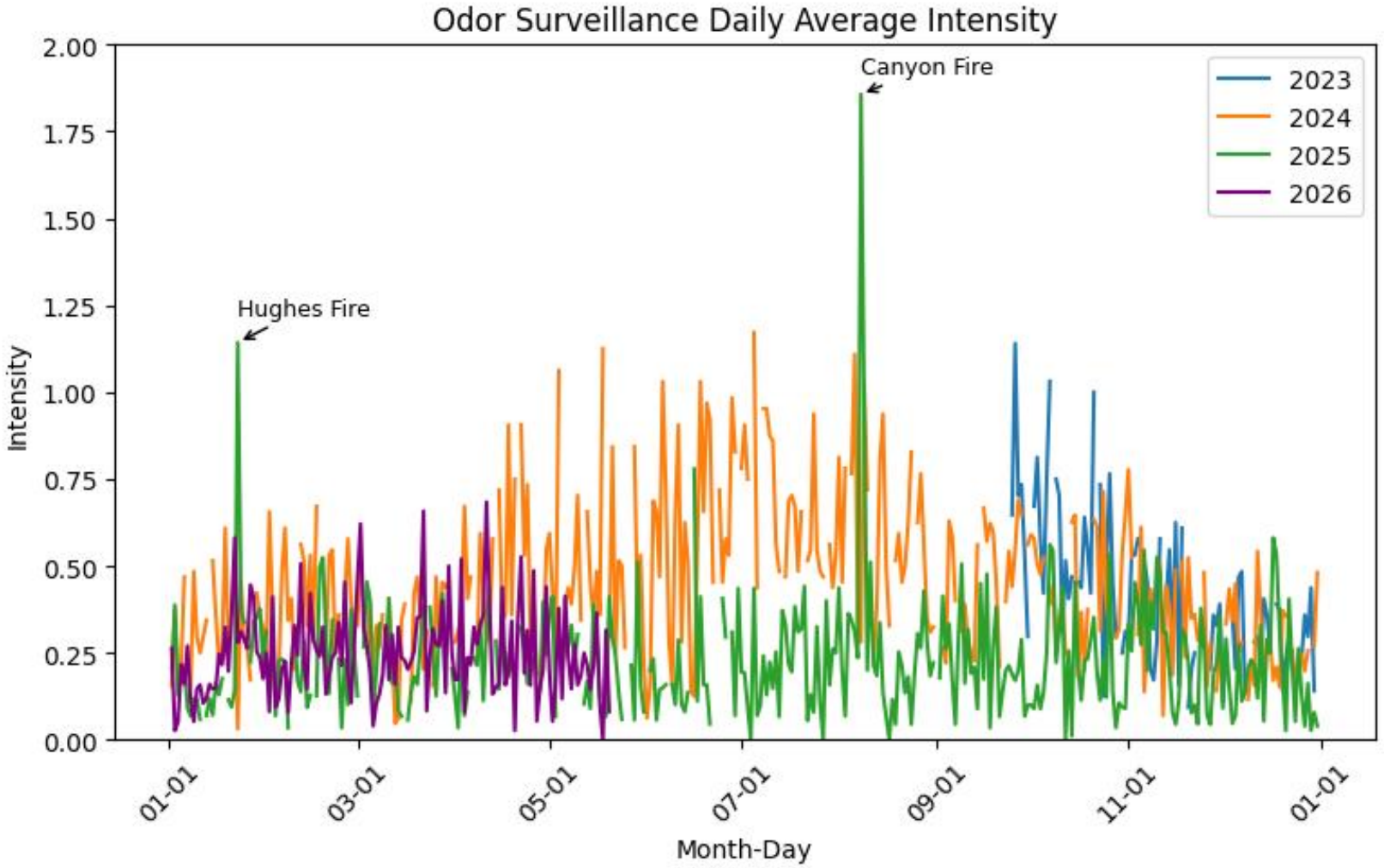
**Invalidated exceedances were removed from this table

Toluene Lab Data



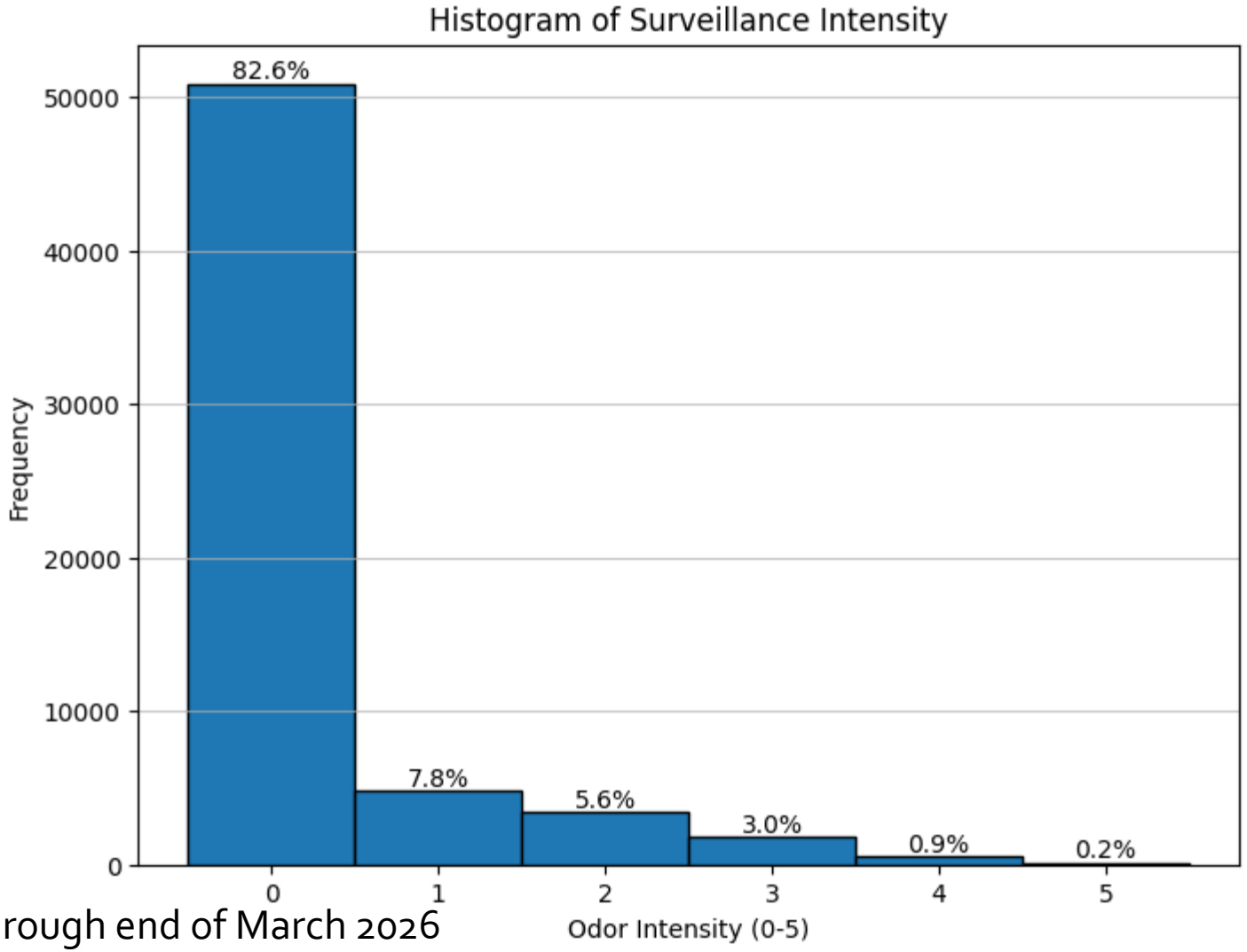
*Data updated through May 12, 2026

Odor Surveillance Intensity Data



*Data updated to May 20, 2026

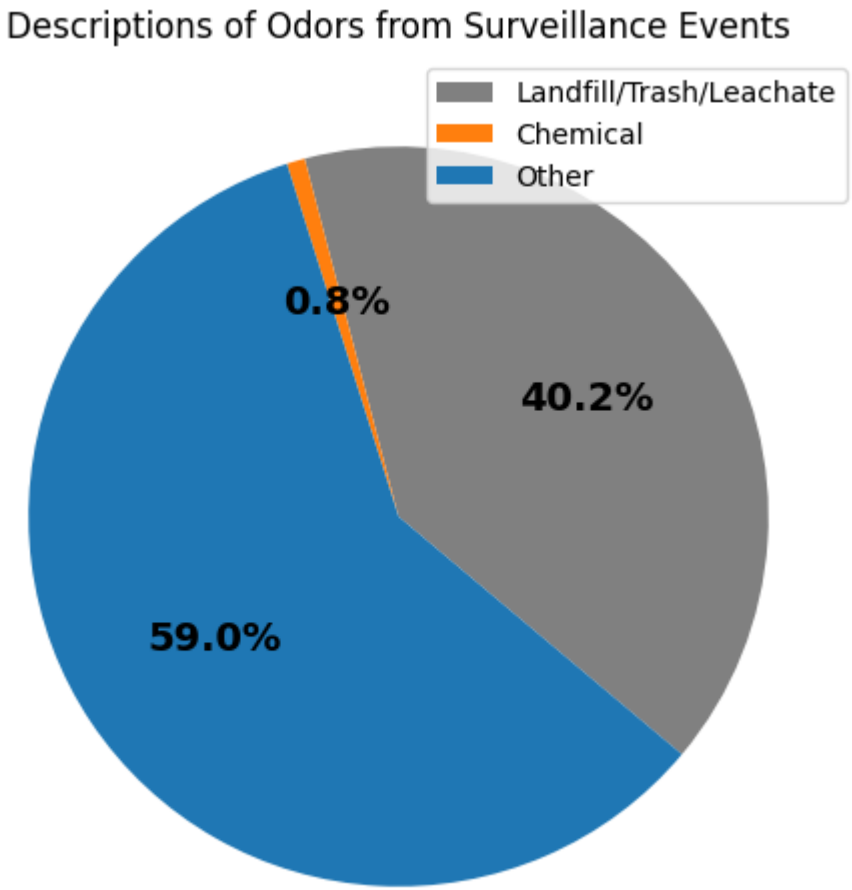
Odor Surveillance Intensity Data



*Data updated through end of March 2026

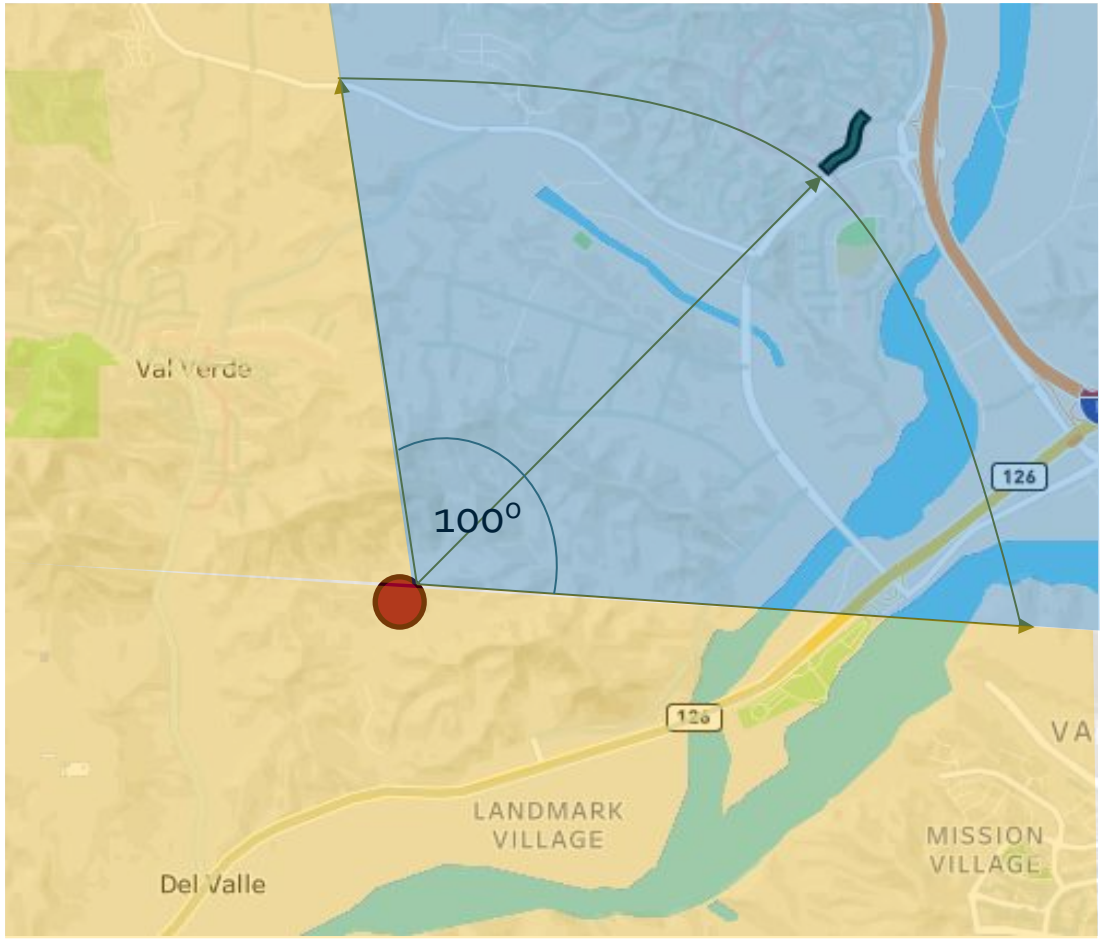
Odor Description Data

Surveyors were instructed to describe odor unrelated to the landfill as "Other"



*Data updated through end of March 2026

Wind Direction Test – Street Midpoints



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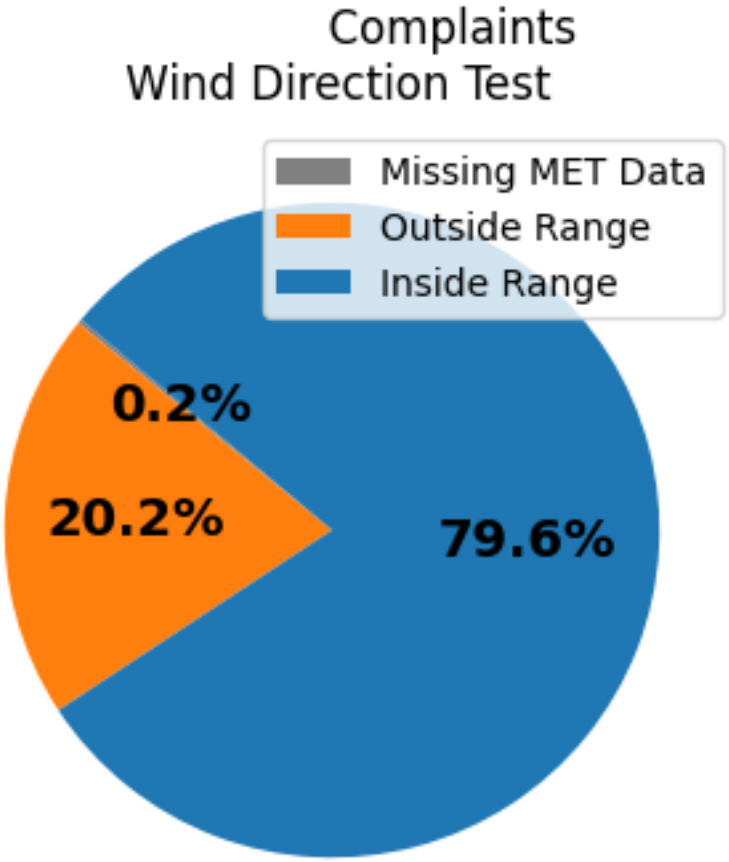
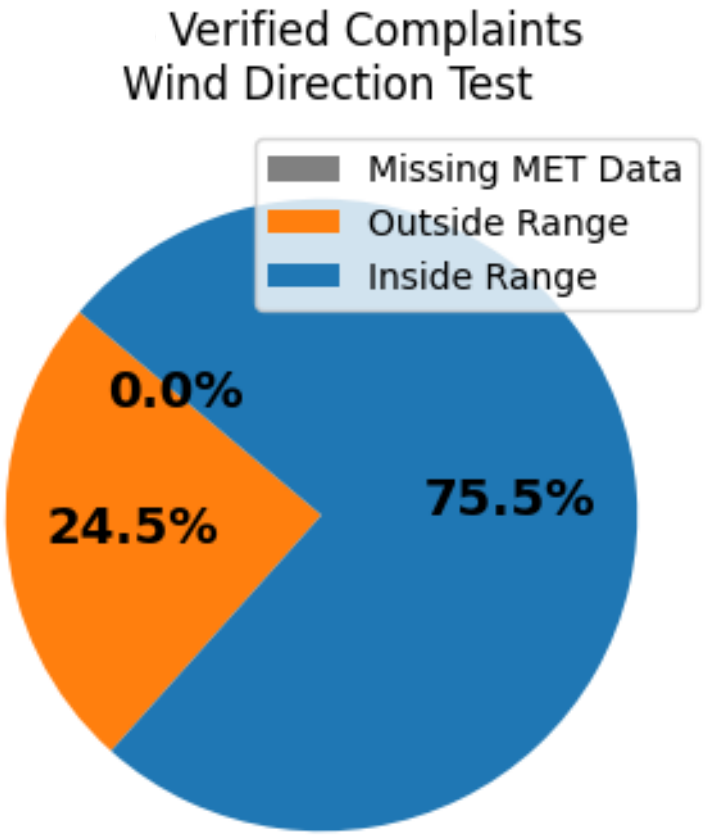
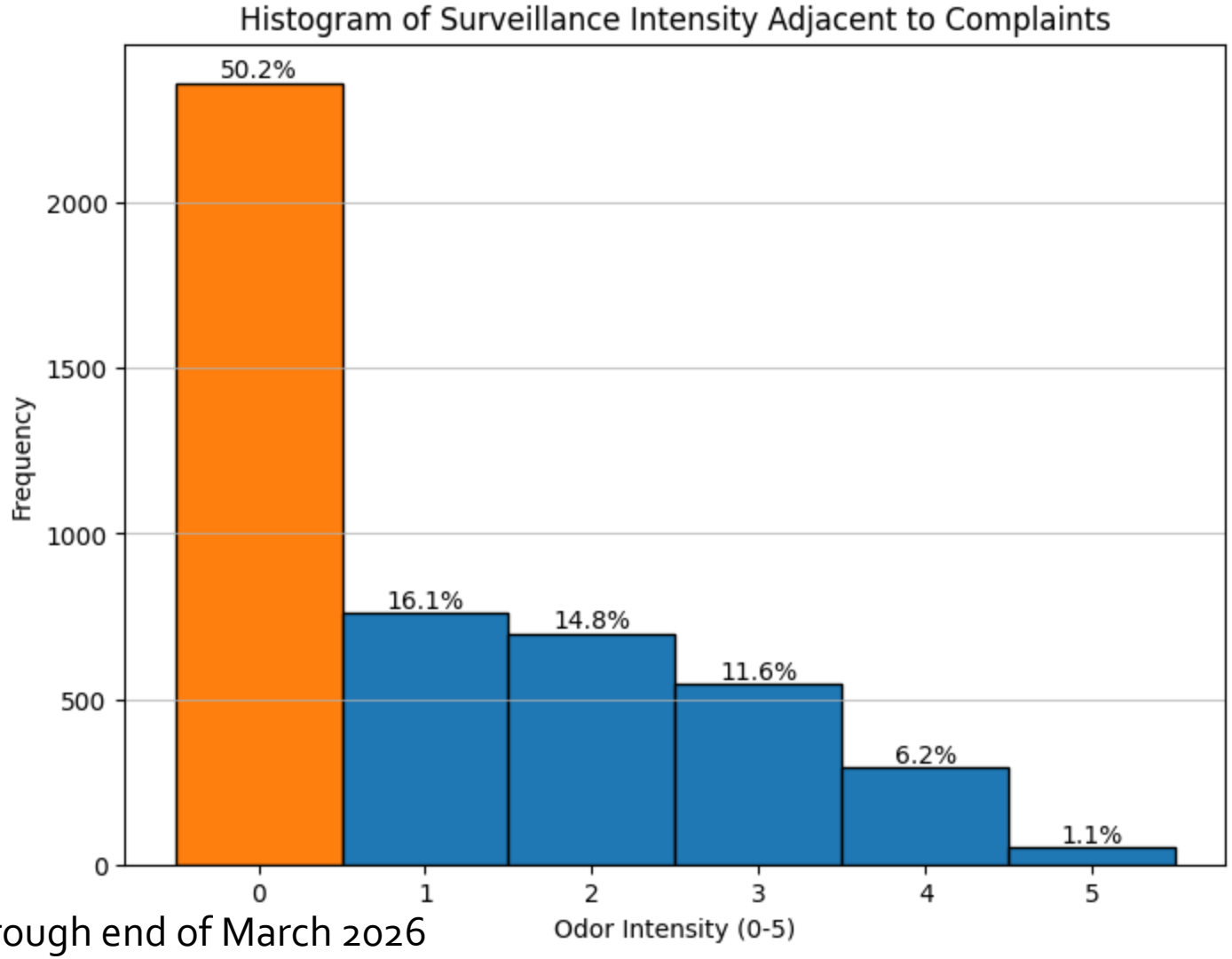




*Data updated through end of March 2026

Odor Surveillance & Complaints – Street Midpoints



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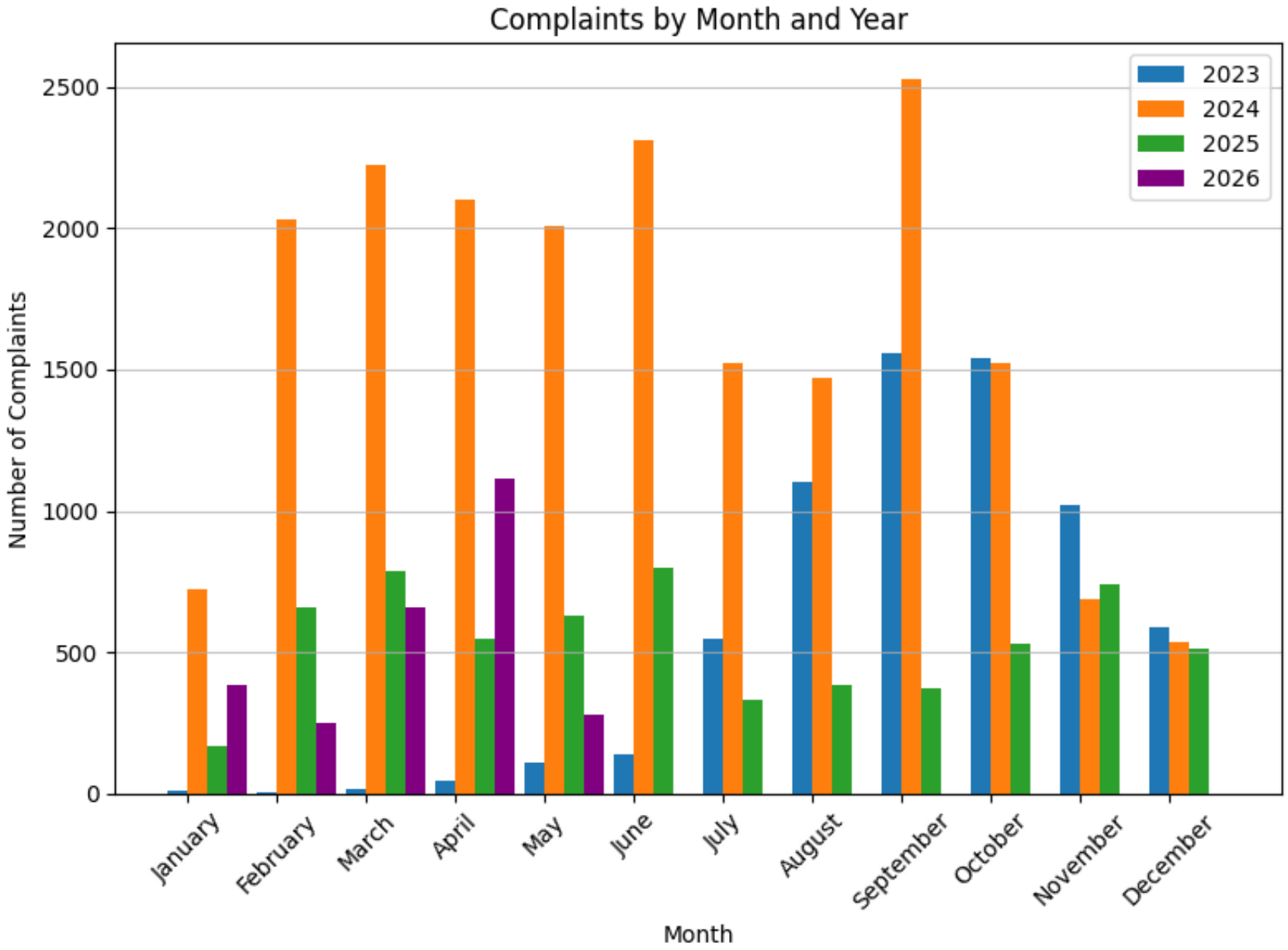
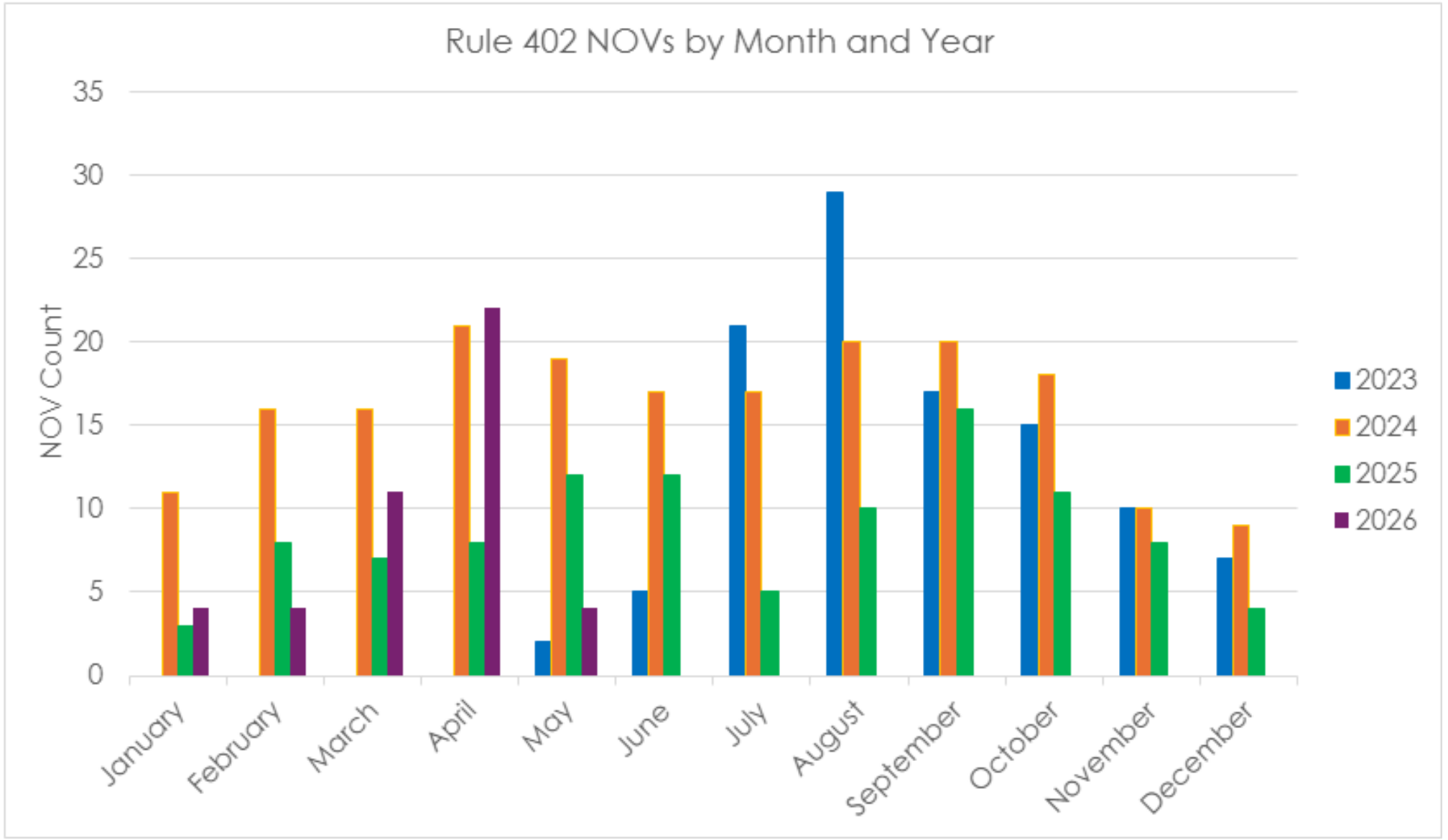


*Data updated through May 23,2026. May data incomplete.



*Data updated through May 23, 2026. May data incomplete.