

Agenda
Bethlehem Landfill Committee
April 30, 2024
5:00 p.m.

- I. Waste Activities
 - A. Monthly Tonnages
 - B. Form U Submittals

- II. Annual Groundwater Trend Analysis

- III. Correspondence/Reports

- IV. Landfill Operations
 - A. Department of Environmental Protection Inspection
 - B. Host Municipal Inspections
 - C. Commercial Waste Vehicles
 - D. Flare Operations & Gas Collection
 - E. Abatement System & Leachate Collection
 - F. Radiation Monitoring
 - G. SE Realignment Construction Activities
 - H. Complaints Received by Waste Connections
 - I. Leachate & Groundwater Demand Report

- V. Host Municipal Inspector (HMI) – Inspection Reports
 - A. Odor Observations/Issues
 - B. Status of Action Items

- VI. DEP Inspection Reports
 - A. Violations
 - B. Observations

**Bethlehem Landfill Company
LST Committee Report Q1 2024 reported April 2024**

Agenda Items

I. Waste Activities

Monthly Tonnages

	January	February	March
MSW	19,256.10	17,442.23	18,986.65
C&D	2,859.41	2,730.87	5,799.38
Residual (Total)	708.81	1,622.79	947.60
Asbestos	0.00	0.00	0.00
Alternate Daily Cover	751.33	128.54	551.37
Sewage Sludge	389.93 (1.6%)	331.76 (1.4%)	596.73 (2.2%)
Out of State (Total)	11,073.29 (46%)	11,539.15 (51%)	14,344.85 (53%)
Recycle	3 (66.67%)	6 (83.33%)	5 (80%)

Recycling is taken, by Republic Disposal, and disposed of at Greenstar Recycling in Northampton, PA.

<u>Form U Submittals</u>	<u>Waste</u>	<u>Approval Date</u>
Kobo Prod Inc	Other Generic Waste	1/25/2024
79 Arverne Dev LLC	Contaminated Soil	1/31/2024
Assai Energy LLC	Spent Activated Carbon	2/01/2024
Devon Self Storage	Coal-Derived Bottom Ash	2/14/2024
79 Arverne Dev LLC	Contaminated Soil	2/20/2024
Lebanon Seaboard Corp.	Waste Tires	3/08/2024
Quiet Core Inc	Plant Trash	3/12/2024
Michelman Steel Ent LLC	Sandblast Abrasive and Residue	3/14/2024
Lehigh Valley Ind Park Inc	Contaminated Soil	3/19/2024
Assai Energy LLC	Spent Activated Carbon	3/25/2024
Assai Energy LLC	Spent Activated Carbon	3/27/2024

II. Annual Groundwater Trend Analysis

First quarter sampling event was 2/12/24 through 2/16/24

III. Correspondence / Reports

01/05/2024 Q3 Groundwater Report
02/07/2024 Q4 Groundwater Report

IV. Landfill Operations

Department of Environmental Protection Inspections

01/11/2024 M. Vipond
01/18/2024 M. Glogowski
01/26/2024 A. Faulch
02/21/2024 M. Vipond/M. Glogowski/J. Matulevich
02/26/2024 M. Vipond
03/14/2024 M. Vipond/A. Bellanca/C. Harding/B. Han
03/20/2024 M. Glogowski

Host Municipal Inspection

01/04/2024 S. Brown
01/10/2024 S. Brown
01/18/2024 S. Brown
02/01/2024 S. Brown
02/15/2024 S. Brown
03/07/2024 S. Brown
03/21/2024 S. Brown

<u>Commercial Waste Vehicles</u>	January	February	March
Total # Trucks	2,226	2,075	2,357
	January	February	March
Overweight	36	42	50
Warnings	32	40	35
Suspensions	4	2	15

Flare Operations and Gas Collection

The LFG flare is the main GCCS. Bethlehem Landfill continues to communicate with SCS Field Services with any routine or non-routine maintenance to maximize LFG production and minimize odors.

January Average Flare Flow = 3,184 SCFM

See times for flare shutdowns and SSM forms. All times are in military.

On 1-14-2024 from 0918 to 0946 and 1018 to 1024 the flare was down due to high winds and restarted.

On 1-30-2024 from 2111 to 2316 the flare was down due to suspected high condensate flow. Flare was looked over for maintenance and performance checks and restarted.

On 1-31-2024 from 1334 to 1355 the flare was manually shutdown for wellfield construction tie ins.

Total Down time of Flare for January, 3 hours out of a total 744 run time hours.

February Average Flare Flow = 3,360 SCFM

See times for flare shutdowns and SSM forms. All times are in military.

On 2-1-2024 from 1119 to 1321 the flare was manually shut down for wellfield construction tie ins.

On 2-2-2024 from 2136 to 2345 the flare shutoff due to low average temperatures. Call out was responded to by Archaea field techs. Flare was manually restarted.

On 2-5-2024 from 1603 to 1614 flare was shutoff for routine maintenance checks.

Total Down time of Flare for February was 4 hours and 24 minutes out of 696 total run hours.

March Average Flare Flow = 3,344 SCFM

See times for flare shutdowns and SSM forms. All times are in Military.

No Shutdowns for the month of March.

Total Down time of Flare for March was 0 Hours and 0 minutes of 744 total run time.

Documentation is on file.

During Q1 North Slope Road has not needed repairs. The swale has not needed repairs. Outside erosion of sedimentation trap A, spill way was repaired in March 2024

Abatement System

Abatement system continues to operate and discharge to the City of Bethlehem WWTP.

Leachate collection

Leachate Management Chamber 7 (LMC-7) had an increase of flow this quarter due to construction to the North of LMC-7 drainage area.

Leachate Management Chamber 7 (LMC-7) had Detection readings show the average flow rates due to construction and maintenance of the Detection lines and sump were cleaned and replaced. Flows were temporarily sent through the Primary line.

Leachate Management Chamber 8 (LMC-8) also saw an increase in flow due to the reconstruction of the Phase II down chute for storm water control.

Radiation Monitoring

There were eight radioactive load alarms from January to March of 2024.

On 1-12-24 the load was identified as Lutetium - 177 and the load was disposed of on-site.

On 1-15-24 the load was identified as Lutetium - 177 and the load was disposed of on-site.

On 2-2-24 the load was identified as Iodine-125 and the load was disposed of on-site.

On 2-20-24 the load was identified as Technetium-99m and the load was disposed of on-site.

On 2-29-24 the load was identified as Iodine - 131 and the load was disposed of on-site.

On 3-7-24 the load was identified as Technetium-99m and the load was disposed of on-site.

On 3-20-24 the load was identified as Iodine - 131 and the load was disposed of on-site.

On 3-22-24 the load was identified as Iodine - 131 and the load was disposed of on-site.

**All loads are reported to the Pennsylvania Department of Environmental Protection (PADEP)*

SE Realignment Construction Activities

Waste operations were in SE-2AB Phase I and Phase II

Complaints received by Waste Connections

See attached.

BETHLEHEM LANDFILL
LEACHATE DEMAND REPORT

January 2024

<u>Location</u>	<u>Total gallons</u>
LMC-6	90,176
LMC-7	324,135
LMC-8	137,978
PS-4	364,797
PS-5	423,277
LMC-10	2,924,358
PS-1	563,312
PS-2	5,427
PS-3	60,645
Phase-IV	629,387

Total LMC-10 Flow = LMC-6, 7, 8, Abatement Well System, Phase I and II, SE Realignment (PS-4 and PS-5), and LFG condensate. Phase-IV total from PS-1, PS-2 and PS-3 and LFG condensate.

Total Discharge

LMC-10	2,924,358
<u>Phase IV</u>	<u>629,387</u>
TOTAL	3,553,745 gallons

Total Leachate

Leachate	1,340,363
<u>Phase IV</u>	<u>629,387</u>
TOTAL	1,969,750 gallons

LMC-10 Flow – Abatement System Flow = Leachate System Flow (gallons).
Abatement System Flow = 1,753,995 gallons (Neptune Flow meters)

BETHLEHEM LANDFILL
GROUNDWATER DEMAND REPORT

January 2024

Well No.	Water Level (avg. ft SWL*)	Flow (avg. GPM)	(Total gal)
AB-1R	72.1	5.2	248,387
AB-2	59.1	3.6	172,297
AB-3	28.1	0.0	1,446
AB-4	32.5	2.6	123,279
AB-5	62.1	1.4	67,248
AB-6	42.6	6.8	322,588
AB-7	41.4	3.4	163,241
AB-8	26.1	0.1	4,483
AB-9	49.4	4.5	213,408
AB-10	42.4	9.2	437,618
TW-1	N/A	<0.1	0.0
Total Flow			1,753,995 gallons

*SWL above transducer set point

* Per DEP approval well TW-1 was shut down September 14, 2009.

LEACHATE DEMAND REPORT

February 2024

<u>Location</u>	<u>Total gallons</u>
LMC-6	49,410
LMC-7	355,718
LMC-8	34,961
PS-4	184,949
PS-5	102,979
LMC-10	2,132,399
PS-1	344,564
PS-2	9,441
PS-3	50,633
Phase-IV	404,638

Total LMC-10 Flow = LMC-6, 7, 8, Abatement Well System, Phase I and II, SE Realignment (PS-4 and PS-5), and LFG condensate. Phase-IV total from PS-1, PS-2 and PS-3 and LFG condensate.

Total Discharge

LMC-10	2,132,399
Phase IV	<u>404,638</u>
TOTAL	2,537,037 gallons

Total Leachate

Leachate	728,017
Phase IV	<u>404,638</u>
TOTAL	1,132,655 gallons

LMC-10 Flow – Abatement System Flow = Leachate System Flow (gallons).
Abatement System Flow = 1,404,382 gallons (Neptune Flow meters)

BETHLEHEM LANDFILL
GROUNDWATER DEMAND REPORT

February 2024

Well No.	Water Level (avg. ft SWL*)	Flow (avg. GPM)	(Total gal)
AB-1R	72.1	5.7	238,963
AB-2	55.2	3.2	131,973
AB-3	27.3	0.2	7,096
AB-4	32.1	3.1	128,892
AB-5	61.1	0.8	33,754
AB-6	41.8	5.9	246,024
AB-7	41.3	2.9	119,459
AB-8	25.8	0.1	3,203
AB-9	49.3	3.9	163,934
AB-10	42.2	7.9	331,084
TW-1	N/A	<0.1	0.0
Total Flow			1,404,382 gallons

*SWL above transducer set point

* Per DEP approval well TW-1 was shut down September 14, 2009.

BETHLEHEM LANDFILL
LEACHATE DEMAND REPORT

March 2024

<u>Location</u>	<u>Total gallons</u>
LMC-6	60,210
LMC-7	235,911
LMC-8	41,450
PS-4	250,777
PS-5	393,545
LMC-10	2,497,633
PS-1	292,570
PS-2	4,443
PS-3	59,797
Phase-IV	356,810

Total LMC-10 Flow = LMC-6, 7, 8, Abatement Well System, Phase I and II, SE Realignment (PS-4 and PS-5), and LFG condensate. Phase-IV total from PS-1, PS-2 and PS-3 and LFG condensate.

Total Discharge

LMC-10	2,497,633
<u>Phase IV</u>	<u>356,810</u>
TOTAL	2,854,443 gallons

Total Leachate

Leachate	981,893
<u>Phase IV</u>	<u>356,810</u>
TOTAL	1,338,703 gallons

LMC-10 Flow – Abatement System Flow = Leachate System Flow (gallons).
Abatement System Flow = 1,515,740 gallons (Neptune Flow meters)

BETHLEHEM LANDFILL
GROUNDWATER DEMAND REPORT

March 2024

Well No.	Water Level (avg. ft SWL*)	Flow (avg. GPM)	(Total gal)
AB-1R	76.3	7.0	293,990
AB-2	49.0	3.4	143,980
AB-3	27.4	0.2	9,994
AB-4	28.9	4.8	200,309
AB-5	45.3	0.6	24,022
AB-6	42.1	5.8	241,308
AB-7	64.5	2.6	110,347
AB-8	24.6	0.2	7,751
AB-9	45.0	4.6	190,482
AB-10	42.3	7.0	293,627
TW-1	N/A	<0.1	0.0
Total Flow			1,515,740 gallons

*SWL above transducer set point

* Per DEP approval well TW-1 was shut down September 14, 2009.

	TIME (days)	Phase IV PS-1 (Secondary Flows)				Phase IV PS-1 (Primary flow)			
		TOTALIZER	GALLONS	FLOW (gpd)	g/ac/day	Totalizer	gallons	flow(gpd)	g/ac/day
1/4/2024	6	661948	10678	1780	68	70142162	103876	17313	666
1/11/2024	7	662814	866	124	5	70241654	99492	14213	547
1/18/2024	7	662908	94	13	1	70375543	133889	19127	736
1/24/2024	6	662947	39	7	0	70496631	121088	20181	776
1/31/2024	7	663123	176	25	1	70589745	93114	13302	512
2/7/2024	7	663140	17	2	0	70684873	95128	13590	523
2/15/2024	8	663178	38	5	0	70771156	86283	10785	415
2/19/2024	4	663219	41	10	0	70864471	93315	23329	897
2/29/2024	10	663240	21	2	0	70934192	69721	6972	268
3/8/2024	8	663450	210	26	1	70985142	50950	6369	245
3/12/2024	4	663923	473	118	5	71052541	67399	16850	648
3/20/2024	8	664212	289	36	1	71139114	86573	10822	416
3/29/2024	9	664783	571	63	2	71225222	86108	9568	368

TIME (days)	Phase IV PS-2 (Secondary Flows)				Phase IV PS-2 (Primary)				sump inches
	TOTALIZER	GALLONS	FLOW (gpd)	g/ac/day	Totalizer	gallons	flow(gpd)	g/ac/day	
1/4/2024	6	8550	1	0	0.0	26321003	167	28	3 29.4"
1/11/2024	7	8551	1	0	0.0	26322452	1449	207	20 27.4"
1/18/2024	7	8552	1	0	0.0	26324557	2105	301	28 30.6"
1/24/2024	6	8552	0	0	0.0	26325549	992	165	16 24.9"
1/31/2024	7	8552	0	0	0.0	26326263	714	102	10 29.5"
2/7/2024	7	8552	0	0	0.0	26329436	3173	453	43 28.7"
2/15/2024	8	8552	0	0	0.0	26330145	709	89	8 31.2"
2/19/2024	4	8552	0	0	0.0	26332649	2504	626	59 28.4"
2/29/2024	10	8552	0	0	0.0	26335704	3055	306	29 24.9"
3/8/2024	8	8552	0	0	0.0	26336218	514	64	6 23.8"
3/12/2024	4	8552	0	0	0.0	26338751	2533	633	60 30.5"
3/20/2024	8	8552	0	0	0.0	26339554	803	100	9 23.4"
3/29/2024	9	8552	0	0	0.0	26340147	593	66	6 22.6"

Date	Phase IV PS-3 (Secondary)					Phase IV PS-3 (Primary)				sump inches
	days	totalizer	gallon	flow(gpd)	g/ac/day	totalizer	gallons	flow(gpd)	g/ac/day	
1/4/2024	6	46337	0	0	0	15861487	5861	977	146	16.4"
1/11/2024	7	46337	0	0	0	15885471	23984	3426	511	16.3"
1/18/2024	7	46337	0	0	0	15899842	14371	2053	306	17.9"
1/24/2024	6	46337	0	0	0	15909479	9637	1606	240	14.6"
1/31/2024	7	46337	0	0	0	15916271	6792	970	145	16.2"
2/7/2024	7	46337	0	0	0	15924561	8290	1184	177	21.5"
2/15/2024	8	46337	0	0	0	15946174	21613	2702	403	18.4"
2/19/2024	4	46337	0	0	0	15951667	5493	1373	205	17.2"
2/29/2024	10	46337	0	0	0	15966904	15237	1524	227	17.3"
3/8/2024	8	46402	65	8	1	15977541	10637	1330	198	16.5"
3/12/2024	4	46455	53	13	2	15988152	10611	2653	396	17.6"
3/20/2024	8	46516	61	8	1	15999419	11267	1408	210	20.6"
3/29/2024	9	46595	79	9	1	16026443	27024	3003	448	15.2"

Phase IV PS-4 (Secondary)						Phase IV PS-4 (Primary)						sump
Date	days	totalizer	gallon	flow(gpd)	g/ac/day			totalizer	gallons	flow(gpd)	g/ac/day	inches
1/4/2024	6	16455	416	69	5			4811245	48445	8074	585	29.4"
1/11/2024	7	16597	142	20	1			4884571	73326	10475	759	30.2"
1/18/2024	7	16954	357	51	4			4954187	69616	9945	721	29.8"
1/24/2024	6	17056	102	17	1			5051475	97288	16215	1175	29.2"
1/31/2024	7	17414	358	51	4			5126222	74747	10678	774	29.7"
2/7/2024	7	17584	170	24	2			5148995	22773	3253	236	28.9"
2/15/2024	8	17987	403	50	4			5208752	59757	7470	541	29.4"
2/19/2024	4	18247	260	65	5			5257541	48789	12197	884	29.5"
2/29/2024	10	18335	88	9	1			5310250	52709	5271	382	30.1"
3/8/2024	8	18854	519	65	5			5395471	85221	10653	772	29.6"
3/12/2024	4	18997	143	36	3			5454157	58686	14672	1063	31.2"
3/20/2024	8	19014	17	2	0			5495584	41427	5178	375	29.9"
3/29/2024	9	19249	235	26	2			5560113	64529	7170	520	31.3"

Phase IV PS-5 (Secondary)						Phase IV PS-5 (Primary)						sump
Date	days	totalizer	gallon	flow(gpd)	g/ac/day			totalizer	gallons	flow(gpd)	g/ac/day	inches
1/4/2024	6	185941	2541	424	31			9480906	1	0	0	30.2"
1/11/2024	7	187444	1503	215	16			9480907	1	0	0	32.1"
1/18/2024	7	189542	2098	300	22			9480908	1	0	0	33.3"
1/24/2024	6	190848	1306	218	16			9480909	1	0	0	28.9"
1/31/2024	7	192719	1871	267	20			9894863	413954	59136	4317	29.5"
2/7/2024	7	193541	822	117	9			9929541	34678	4954	362	29.1"
2/15/2024	8	195884	2343	293	21			9954517	24976	3122	228	22.6"
2/19/2024	4	197952	2068	517	38			9974859	20342	5086	371	30.5"
2/29/2024	10	200418	2466	247	18			9990143	15284	1528	112	27.8"
3/8/2024	8	202581	2163	270	20			10098441	108298	13537	988	32.6"
3/12/2024	4	204118	1537	384	28			10185471	87030	21758	1588	30.5"
3/20/2024	8	205847	1729	216	16			10294184	108713	13589	992	31.2"
3/29/2024	9	206543	696	77	6			10377536	83352	9261	676	30.6"

TIME (days)	LMC-6 (Primary Flows)				LMC-7 (Primary Flows)				LMC-8 (Primary Flows)				
	TOTALIZER	GALLONS	LOW (gpd)	G/A/D	TOTALIZER	GALLONS	LOW (gp)	G/A/D	TOTALIZER	GALLONS	FLOW (gpd)	G/A/D	
1/4/2024	6.00	681489	22,827	3,805	242	3311484	40803	6,801	557	2,769,541	6017	1,003	173
1/11/2024	7.00	705984	24,495	3,499	223	3373132	61648	8,807	722	2,776,562	7021	1,003	173
1/19/2024	8.00	735419	29,435	3,679	234	3455913	82781	10,348	848	2,784,145	7583	948	163
1/24/2024	5.00	749411	13,992	2,798	178	3508429	52516	10,503	861	2,791,547	7402	1,480	255
1/31/2024	7.00	767214	17,803	2,543	162	3591571	83142	11,877	974	2,799,401	7854	1,122	193
2/7/2024	7.00	779845	12,631	1,804	115	3646587	55016	7,859	644	2,811,451	12050	1,721	297
2/15/2024	8.00	795481	15,636	1,955	124	3711482	64895	8,112	665	2,818,476	7025	878	151
2/19/2024	4.00	805214	9,733	2,433	155	3805478	93996	23,499	1,926	2,824,514	6038	1,510	260
2/29/2024	10.00	815272	10,058	1,006	64	3903566	98088	9,809	804	2,831,246	6732	673	116
3/8/2024	8.00	835479	20,207	2,526	161	3965174	61608	7,701	631	2,839,541	8295	1,037	179
3/12/2024	4.00	850742	15,263	3,816	243	4051289	86115	21,529	1,765	2,846,587	7046	1,762	304
3/20/2024	8.00	865417	14,675	1,834	117	4102544	51255	6,407	525	2,851,249	4662	583	100
3/29/2024	9.00	874389	8,972	997	63	4139477	36933	4,104	336	2,863,752	12503	1,389	240

TIME (days)	LMC-6 (Secondary Flows)				LMC-7 (Secondary Flows)				LMC-8 (Secondary Flows)			
	TOTALIZER	GALLONS	FLOW (gpd)	G/A/D	TOTALIZER	GALLONS	FLOW (gpd)	G/A/D	TOTALIZER	GALLONS	FLOW (gpd)	G/A/D
1/4/2024	16951	645	108	7	325148	14039	2,340	192	1,511,417	4047	675	116
1/11/2024	17014	63	9	1	345812	20664	2,952	242	1,514,972	3555	508	88
1/19/2024	17225	211	26	2	362111	16299	2,037	167	1,520,184	5212	652	112
1/24/2024	17487	262	52	3	382594	20483	4,097	336	1,523,014	2830	566	98
1/31/2024	17524	37	5	0	399548	16954	2,422	199	1,526,842	3828	547	94
2/7/2024	17667	143	20	1	412452	12904	1,843	151	1,529,651	2809	401	69
2/15/2024	17941	274	34	2	423587	11135	1,392	114	1,536,254	6603	825	142
2/19/2024	17958	17	4	0	435971	12384	3,096	254	1,539,884	3630	908	156
2/29/2024	18075	117	12	1	443271	7300	730	60	1,543,826	3942	394	68
3/8/2024	18435	360	45	3	454021	10750	1,344	110	1,545,589	1763	220	38
3/12/2024	18651	216	54	3	464771	10750	2,688	220	1,548,512	2923	731	126
3/20/2024	18957	306	38	2	475521	10750	1,344	110	1,551,291	2779	347	60
3/29/2024	19188	211	23	1	454025	10750	1,194	98	1,552,770	1479	164	28

2024 Bethlehem Landfill ODOR COMPLAINT LOG (2335 Applebutter Rd, Bethlehem, PA 18015)													
Date	Time	Address	Distance from Landfill (miles)	Weather Data (AlertNow (KABE))			Residence / Drive-by	Description / Notes	Gas Management Data			Date of Initial Response	Addressed in Insp Report Dated
				Skies	Temperature	Wind (out of)			Flare (scfm)	BRE (scfm)	Total (scfm)		
01/05/24	17:47	Redington Rd., Hellertown	1.390	Fair	31.0	WSW @ 7mph	Residence	Gross, foul garbage smell. It's nauseating and making their eyes burn. At home.				1/9/2024	1/11/2024
01/06/24	7:41	Johnston Ave., Steel City	0.980	Light snow	32.0	ENE @ 16mph	Residence	Landfill gas, present about 45 min. At home.				1/9/2024	1/11/2024
01/07/24	20:52	Pine Manor Dr., Hellertown & Applebutter Rd.	unknown	unknown			unknown	In the past month, my family and I have observed a persistent terrible in the vicinity of our property. While intermittent, the scent tends to linger in the air, dissipating only when subjected to a change in wind direction I assume. Recently during a commute along Applebutter Rd. leading into Bethlehem, I encountered an identical odor only much stronger within my vehicle right by Bethlehem Landfill. Subsequently, upon returning home, the same issue was evident precisely at the landfill entrance. This matter is of great concern, as it significantly impacts the quality of life within our residence, approximately 2 miles from the landfill. Given the frequency and consistency of these occurrences, I kindly request an investigation into this matter, if possible.				1/9/2024	1/11/2024
01/08/24	15:40	Unknown	unknown	Cloudy	40.0	NNW @ 5mph	Residence	I am a Lwr. Saucon Twp. resident. The past few days, actually the past few weeks I've been experiencing landfill gas odor smell on my property, which is about 3 miles away from the landfill and I was just calling to file a complaint and see if there was anything being done to control the smell. It's very potent at the point to where me and my kids can't go outside now because it is so bad.				1/9/2024	1/11/2024
01/08/24	16:10	Courtryside Lane	NA	Cloudy	39.0	Caln	Drive-by	There is a terrible smell on Courtryside Lane all the way down the road from Bethlehem Landfill.				1/9/2024	1/11/2024
01/09/24	7:01	Johnston Ave., Steel City	0.980	Fair	28.0	NE @ 10mph	Residence	Calling regarding the landfill gas odor on my property in Lwr. Saucon Twp. It is coming from the Bethlehem Landfill over on Applebutter Rd.				1/9/2024	1/11/2024
01/09/24	13:34	I-78 Hellertown Exit, & Sandra Yeager Reserve	NA	Rain	37.0	E @ 15mph	non-Residence	Odor complaint concerning landfill odor in the Hellertown Lower Saucon area. He last week or so I've been driving on 78. You can smell it at the Hellertown exit and then I also see and walk the Sandra Yeager Reserve, which is close to the garbage dump or landfill and the smell there was bad on Sunday, specifically Sunday afternoon.				1/11/2024	1/11/2024
01/09/24	18:18	Johnston Ave., Steel City	0.980	Rain	43.0	E @ 14mph	Residence	Landfill gas, foul, it stinks. Going on 10 minutes. St home.				1/11/2024	1/11/2024
01/12/24	8:19	I-78 between MM 68 & 69	NA	Fair	29.0	NW @ 5mph	Drive-by	Really stinky, like trash and septic. While driving to and from work on Rt 78 between mile marker 68 & 69.				1/24/2024	1/26/2024
01/12/24	9:29	Johnston Ave., Steel City	0.980	Fair	33.0	Caln	Residence	Landfill gas, foul odor. At home.				1/24/2024	1/26/2024
01/12/24	9:34	Applebutter Rd.	NA	Fair	33.0	Caln	Drive-by	Calling about the dump on Applebutter Rd. It smells so bad. It smells really bad on Applebutter Rd. in Bethlehem, Hellertown, Lower Saucon area.				1/24/2024	1/26/2024
01/12/24	9:46	Sherry Hill Rd., Hellertown	0.700	Fair	40.0	Caln	Residence	Landfill gas odor. Occurring now. At home.				1/24/2024	1/26/2024
01/12/24	10:18	Adams St.	NA	Fair	40.0	Caln	non-Residence	slight chemical odor and odor of methane gas. While walking on Adams St.				1/24/2024	1/26/2024
01/12/24	23:26	Johnston Ave., Steel City	0.980	Light rain	43.0	E @ 16 mph	Residence	Landfill gas. Since 11 PM. At home.				1/24/2024	1/26/2024
01/13/24	17:08	Unknown	unknown	Mostly cloudy	38.0	W @ 14 mph	Residence	It smells like rotten garbage. Going on for hours. At home.				1/24/2024	1/26/2024
01/15/24	9:00	Woodland Hills Preserve	NA	Fair	21.0	W @ 5mph	non-Residence	Currently walking at the Woodland Hill Preserve in Lwr. Saucon Twp. I am at the far side closest to Lwr. Saucon Rd. As I am walking, I can smell the Bethlehem Landfill. I normally do not smell it, but this is the second time that I have smelled it. This is very discouraging. I have lived here in Lwr. Saucon Twp. for the past 27 years and have never smelled it as far (complaint received on 1/20/24).				1/24/2024	1/26/2024
01/15/24	11:26	Redington Rd., Hellertown	2.050	Cloudy	23.0	W @ 5mph	Residence	It smells like a garbage dump. At home. Has been going on really bad 3 months.				1/24/2024	1/26/2024
01/19/24	11:33	Driving by	NA	Light snow	25.0	NE @ 9mph	Drive-by	Garbage odor. Going on all morning. While driving by.				1/24/2024	1/26/2024
01/19/24	14:18	Driving by	NA	Light snow	26.0	NNE @ 7mph	Drive-by	There is a putrid smell coming from the landfill today. While driving by.				1/24/2024	1/26/2024
01/19/24	16:07	Kings Mill Rd., Hellertown	1.569	Light snow	26.0	N @ 6mph	Residence	There is a rancid garbage smell coming from the landfill. Go in on about 30 min. At home.				1/24/2024	1/26/2024
01/23/24	9:27	Redington Rd., Hellertown	1.390	Cloudy	33.0	Caln	Residence	Reporting odors from the landfill. The odor is very prevalent on Friday nights and there is no one from the DEP that responds on the weekends.				1/24/2024	1/26/2024
01/24/24	11:01	Johnston Ave., Steel City	0.980	Mist	37.0	E @ 6mph	Residence	Bethlehem Landfill complaint: I can smell landfill gas on my property again.				1/26/2024	1/26/2024
01/25/24	4:30	Johnston Ave., Steel City	0.980	Light Rain	38.0	Caln	Residence	Foul smelling landfill gas. At home.				1/26/2024	1/26/2024
01/25/24	6:00	Wilson Ave., Bethlehem	0.719	Light Rain	38.0	Caln	Residence	Smelled the dump odor from Bethlehem Landfill still smelling it at time of call at 8:50.				1/26/2024	1/26/2024
01/25/24	6:03	Ginger Ln., Bethlehem	1.620	Light Rain	38.0	Caln	Residence	Very strong methane odor. At home.				1/26/2024	1/26/2024
01/25/24	7:00	Johnston Ave., Steel City	1.083	Light Rain	39.0	Caln	Residence	Nauseous gas smell. From 7:00 up until 9:00. At home.				1/26/2024	1/26/2024
01/25/24	7:45	Lower Saucon Ave., Hellertown	1.780	Light Rain	39.0	Caln	Residence	Notice the gassy odors this morning, and was just outside again, the odor persists at time of call at 9:37.				1/26/2024	1/26/2024
01/25/24	8:43	Johnston Ave., Steel City	0.980	Light Rain	39.0	NNW @ 3mph	Residence	Nasty, foul odor, the methane hit you right in the face. Going on now, at home.				1/26/2024	1/26/2024
01/25/24	8:45	Riverside Dr., Bethlehem	1.290	Light Rain	39.0	NNW @ 3mph	Residence	I can definitely smell the dump this morning. It's been a while since I have smelled it as far as my own house, but it's definitely an odor there.				1/26/2024	1/26/2024
01/25/24	10:06	Hickory Lane, Hellertown	2.790	Mist	41.0	Caln	Residence	Strong garbage trash smell that we've been smelling. This has never occurred before and it's been the last few days. This morning it was basically terrible, the worst we've ever smelled and it seems to be getting worse. If you could please have someone look into that.				1/26/2024	1/26/2024
01/25/24	10:20	Redington Rd., Hellertown	2.050	Mist	41.0	Caln	Residence	Complaint for Bethlehem Landfill on Applebutter Rd. I can smell it outside my house today when I come out to leave.				1/26/2024	1/26/2024
01/25/24	16:07	Riverside Dr., Bethlehem	1.350	Cloudy	51.0	Caln	Residence	It smells like methane. Been going on a half hour. At home.				1/26/2024	1/26/2024
01/25/24	19:14	Adams Ave., Bethlehem	0.923	Cloudy	48.0	Caln	Residence	It's a very strong landfill smell. No methane smell. At home.				1/26/2024	1/26/2024
01/26/24	9:00	Applebutter Rd.	NA	Mist	42.0	NE @ 7mph	Drive-by	Odor complaint. The garbage smell is getting worse as the day goes on. Since 9:00 am, while driving by.				1/26/2024	1/26/2024
01/26/24	19:30	Ridge Rd., Hellertown	1.990	Fog	45.0	WNW @ 3mph	Residence	It smells like methane gas. Since 7:30 PM. At home.				1/29/2024	1/26/2024
01/27/24	7:30	Johnston Ave., Steel City	1.083	Cloudy	40.0	Caln	Residence	Nauseous gas smell. Going on since before 7:30 AM. At home.				1/27/2024	1/26/2024
01/27/24	7:37	Johnston Ave., Steel City	0.980	Cloudy	40.0	Caln	Residence	Landfill gas. It smells just like it does on Applebutter Rd. At home.				1/27/2024	1/26/2024
01/27/24	8:38	Johnston Ave., Steel City	1.190	Cloudy	40.0	Caln	Residence	Sulfur odor. At home.				1/27/2024	1/26/2024
01/27/24	16:00	Bethlehem Fields Way, Bethlehem	2.390	Cloudy	50.0	SW @ 3mph	Residence	Foul, sulfur smelling odor, aggressive, pervasive and lingering. At home.				1/29/2024	1/26/2024
01/27/24	16:52	Wilson Ave., Bethlehem	0.719	Cloudy	49.0	Caln	Residence	Strong gas odor. This was the third time I smelled it that week. Also smelled it at 6:00 AM and 9:00 AM on 1/25/24. It smelled like a gas odor inside our home. It did not smell like rotting trash.				1/30/2024	2/1/2024
01/27/24	17:16	Johnston Ave., Steel City	0.980	Cloudy	49.0	Caln	Residence	It smells like garbage. Been going on 20 min. At home. 2nd call of the day.				1/27/2024	ERT
01/27/24	17:57	Madison Ave., Steel City	0.740	Fair	48.0	ESE @ 5mph	Residence	It smells like garbage. Been going on half an hour. At home.				1/27/2024	ERT
01/28/24	16:00	Bethlehem Fields Way, Bethlehem	2.390	Light rain	38.0	NE @ 9mph	Residence	Foul, sulfur smelling odor, aggressive, pervasive and lingering. At home.				1/30/2024	2/1/2024
01/30/24	11:38	Wilson Ave, Bethlehem	0.719	Cloudy	34.0	S @ 5mph	Residence	Methane gas, not like sulfur or rotting garbage, but it is a terrible odor. Occurring now, at home.				1/30/2024	1/21/2024
01/30/24	16:12	Jefferson Ave, Steel City	0.839	Cloudy	35.0	ESE @ 5mph	Residence	It smells like garbage, been going on 15 min. At home.				1/31/2024	2/1/2024
01/30/24	17:15	Johnston Ave., Steel City	0.980	Cloudy	35.0	Var @ 5mph	Residence	Smells landfill gas on her property.				1/29/2024	ERT
01/30/24	17:47	Saucon Ave., Steel City	0.883	Cloudy	35.0	SE @ 3mph	Residence	Landfill gas. Going on 30 min., at home.				1/30/2024	ERT
01/30/24	17:57	Madison Ave., Steel City	0.740	Cloudy	35.0	SE @ 3mph	Residence	It smells like garbage. At home.				1/30/2024	ERT
01/30/24	18:22	Missell Ave., Steel City	0.796	Cloudy	35.0	SE @ 3mph	Residence	Smells like garbage and sulfur. Going on 15 min. At home.				1/30/2024	ERT
01/31/24	7:45	Johnston Ave., Steel City	0.980	Cloudy	34.0	E @ 3 mph	Residence	Landfill gas, nasty odor. Occurring now, at home.				1/31/2024	2/1/2024
01/31/24	9:49	Redington Rd., Hellertown	1.630	Cloudy	25.0	Caln	Residence	Sulfur odor, going on 90 min. At home.				1/31/2024	2/1/2024
01/31/24	22:43	Buttermilk Rd., Hellertown	2.450	Fair	34.0	Caln	Residence	Sewage like odor, just started tonight. At home.				2/7/2024	2/1/2024

02/01/24	7:40	Johnston Ave., Steel City	0.980	Cloudy	29.0	Calm	Residence	Landfill gas, intermittent since 7:40, but persistent. At home.			2/1/2024	2/21/2024
02/02/24	8:44	Applebutter Rd.	NA	Mist	39.0	Calm	Drive-by	Odor today while driving on Applebutter Rd.			2/1/2024	2/21/2024
02/03/24	0:49	Saucon Ave., Steel City	0.883	Cloudy	37.0	NNW @ 8mph	Residence	Landfill gas odor. At home.			2/1/2024	2/21/2024
02/03/24	15:38	Applebutter Rd., Bethlehem	0.180	Fair	46.0	N @ 12mph	Residence	It smells like rotten trash. Going on about 2 hours. At home.			2/1/2024	2/21/2024
02/04/24	9:11	Applebutter Rd.	NA	Fair	32.0	NW @ 3mph	Drive-by	There was a sulphur/methane odor while driving by.			2/1/2024	2/21/2024
02/05/24	19:13	Lock House Rd., Freemansburg	1.590	Fair	37.0	N @ 5mph	Residence	Very strong methane trash odor coming from the landfill. Seems to occur every evening. Have lived here for over 25 years and rarely smelled the landfill. It is now a daily occurrence.			2/1/2024	2/21/2024
02/06/24	18:22	Jefferson Ave., Steel City	0.741	Fair	40.0	Var @ 5mph	Residence	Methane odor, just started. At home.			2/1/2024	2/21/2024
02/07/24	18:00	Applebutter Rd.	NA	Fair	23.0	Calm	Drive-by	On Applebutter Rd. from Ringhoffer past the gates of the landfill, could smell landfill very strongly.			2/8/2024	2/21/2024
02/07/24	18:16	Riverside Drive, Bethlehem	1.176	Fair	23.0	Calm	Residence	It smells like burning gas, it is very strong. Going on an hour, at home.			2/8/2024	2/21/2024
02/08/24	5:32	Jefferson Ave., Steel City	0.839	Fair	29.0	Calm	Residence	The odor when I walked outside my house this morning (5:30 am) is unbearable. It smells like rotten eggs. This smell has been going on for over two weeks. I have already called to report issues, but since it is always after hours of the complaint line, I'm going to start logging this online. It also smelled last night, and the previous day.			2/8/2024	2/21/2024
02/08/24	6:38	Johnston Ave., Steel City	0.980	Fair	29.0	NNW @ 3mph	Residence	Landfill gas odor extremely strong outside her home, very unpleasant.			2/8/2024	2/21/2024
02/08/24	7:34	Mixsell Ave, Steel City	0.940	Fair	27.0	Calm	Residence	Strong landfill methane gas odor. At home.			2/8/2024	2/21/2024
02/08/24	9:11	Unknown	NA	Fair	36.0	Calm	Drive-by	Shit and garbage odor. Encountered everyday more or less, but horrible the last two mornings.			2/8/2024	2/21/2024
02/08/24	16:55	Reddington Rd., Hellertown	unknown	Fair	50.0	Calm	Residence	Smells like methane. Going on 30 min. At home.			2/12/2024	2/21/2024
02/08/24	19:40	Ivan St., Bethlehem	unknown	Fair	49.0	SSE @ 3mph	Residence	Very strong acrid/biological/trash like odor multiple times per week, emitted from the Bethlehem landfill, enough to fill street, carter road, miller heights elementary school area, smell coming from the south of this location towards the landfill. It is concerning to smell the odor this far from the landfill, I fear for the respiratory safety of those living closer if it's this bad.			2/12/2024	2/21/2024
02/09/24	6:53	Josie Ln., Bethlehem	1.380	Fair	39.0	ESE @ 3mph	Residence	The last few weeks, specifically in the evening, it smells like pure garbage outside - 1702 Josie Ln, Bethlehem, 18020. I've lived in this immediate area for the past 30 years and never experienced this. Not only is the smell noticed in my neighborhood, but it also smells near Wagner Drive in Bethlehem Township. Very concerned for the coming warmer months and kids playing outside, open windows and just enjoying the outdoors. I would assume this smell is coming from the Bethlehem Landfill smoke can be seen billowing in the distance from our neighborhood daily.			2/12/2024	2/21/2024
02/09/24	7:03	Emma Ln., Bethlehem	1.460	Fair	39.0	ESE @ 3mph	Residence	Over the last week the smell coming from the landfill has been extremely strong. It smells like rotten eggs. I can't be outside for more than a few minutes without feeling sick from it.			2/12/2024	2/21/2024
02/09/24	10:32	Emma Ln., Bethlehem	1.460	Fair	44.0	SW @ 8mph	Residence	Horrible garbage smell. Going on the past 3 days (24 hours + 6 hrs). Has been worse than in the past 2 years since they have resided at the property.			2/12/2024	2/21/2024
02/09/24	18:08	Chateau Place, Easton	1.680	Fair	52.0	S @ 5mph	Residence	Extremely strong smell like a rotting body. At home.			2/12/2024	2/21/2024
02/09/24	all day	Redington Rd., Hellertown	1.390	unknown			Residence	Smelled Bethlehem Landfill all day long at house			2/12/2024	2/21/2024
02/10/24	7:37	Mixsell Ave, Steel City	0.796	Fair	33.0	Calm	Residence	Rottingness, sulfur, smells like a dead rotting body. At home.			2/12/2024	2/21/2024
02/10/24	10:50	Riverside Dr., Bethlehem	1.176	Fair	49.0	WSW @ 7mph	Residence	Very strong smell of burning plastic & chemicals. Going on less than an hour, at home.			2/12/2024	2/21/2024
02/10/24	13:27	Applebutter Rd.	0.950	Fair	54.0	SSW @ 5mph	Residence	Landfill gas odor. At home.			2/12/2024	2/21/2024
02/10/24	17:00	Redington Rd., Hellertown	NA	Fair	56.0	SW @ 12mph	Drive-by	Smelled landfill while driving near home.			2/12/2024	2/21/2024
02/10/24	21:39	Lwr. Saucon Rd., Hellertown	1.780	Cloudy	51.0	SW @ 5mph	Residence	Gassy, methane smell. Going on just now, at home.			2/12/2024	2/21/2024
02/11/24	0:37	Saucon Ave., Steel City	0.883	Mostly Cloudy	45.0	Calm	Residence	Strong landfill gas odor. At home.			2/12/2024	2/21/2024
02/11/24	16:56	Applebutter Rd.	NA	Cloudy	45.0	NNW @ 5mph	Drive-by	Sulfur odor, while driving by.			2/12/2024	2/21/2024
02/14/24	23:01	Ridge Rd., Hellertown	1.990	Fair	28.0	WSW @ 5mph	Residence	Landfill gas smell, every evening after dark. Going on 1 hour. At home.			2/21/2024	2/21/2024
02/16/24	13:53	Lwr. Saucon Rd., Hellertown	1.780	Fair	37.0	NW @ 13mph	Residence	Smells like garbage. At 1:50 PM. While leaving home.			2/21/2024	2/21/2024
02/16/24	18:55	Applebutter Rd., Hellertown	0.180	Partly cloudy	33.0	SW @ 3mph	Residence	Strong smell of garbage, smelling it in garage. Going on one hour. At home.			2/21/2024	2/21/2024
02/17/24	5:00	Jefferson Ave., Steel City	0.839	Light snow	29.0	NE @ 5mph	Residence	I went outside at 5am to let my pets out, and it smells like sulfur...the typical landfill smell. It's been on and off like this for at least a month. I didn't think the landfill could smell when it's snowing out, but here we are. This encroaches upon my right as a Pennsylvanian to have clean air.			2/21/2024	2/21/2024
02/18/24	18:08	Reddington Rd., Hellertown	unknown	Fair	32.0	SW @ 10mph	Residence	It smells like garbage. Going on a very long time. At home.			2/21/2024	2/21/2024
02/19/24	8:22	W. Butternut Rd., Hellertown	2.280	Mostly cloudy	25.0	WSW @ 3mph	Residence	There's a smell coming from Bethlehem Landfill and it's in our neighborhood and it's been like this for 6-7 months now. I no longer. And I wanted to call and report it to see what we need to do to correct this.			2/21/2024	2/21/2024
02/19/24	8:42	Applebutter Rd., Hellertown	0.950	Cloudy	31.0	WSW @ 5mph	Residence	Pungent landfill gas. It just keeps getting worse. Going on a few hours. At home.			2/21/2024	2/21/2024
02/19/24	8:54	Applebutter Rd.	NA	Cloudy	31.0	WSW @ 5mph	Drive-by	Very strong, pungent, acidic garbage odor. Going on 2 weeks. While driving by.			2/21/2024	2/21/2024
02/19/24	14:53	Easton Rd., Hellertown	2.740	Fair	37.0	W @ 6mph	Residence	Rotten egg odor. Going on a few days. At home.			2/21/2024	2/21/2024
02/20/24	20:12	Jefferson Ave., Steel City	0.839	Fair	28.0	NE @ 6mph	Residence	Pungent landfill gas odor at my house.			2/21/2024	2/21/2024
02/22/24	7:17	4th St., Bethlehem	1.570	Fair	23.0	Calm	Residence	Bad odor from the landfill. Going on all morning. At home.			2/23/2024	2/21/2024
02/22/24	7:40	Oakland Rd., Bethlehem	3.290	Fair	23.0	Calm	Residence	Smells like methane gas. Right now, when leaving home.			2/23/2024	2/21/2024
02/22/24	7:48	Jefferson Ave., Steel City	0.741	Fair	25.0	Calm	Residence	Odor complaint. Right now, when leaving home.			2/23/2024	2/21/2024
02/22/24	8:09	Milan St., Bethlehem	2.380	Fair	25.0	Calm	Residence	When I left my apartment for work this morning (Bethlehem), it smelled like LFG outside (4-5 out of 10 intensity). Person still at home says it still smells like gas outside at the time of the call.			2/23/2024	2/21/2024
02/22/24	16:29	Johnston Ave., Steel City	0.980	Cloudy	42.0	SSE @ 3mph	Residence	It smells like methane on property. Same smell as on Ringhoffer. Going on 30 minutes. At home.			2/23/2024	2/21/2024
02/22/24	21:20	Johnston Ave., Steel City	0.980	Cloudy	40.0	SE @ 5mph	Residence	Landfill gas odor. At home.			2/23/2024	2/21/2024
02/23/24	7:57	Shery Hill Rd., Hellertown	0.700	Mist	36.0	Calm	Residence	Common odor that comes from the dump. It is very bad today. Right now, at home, inside and outside.			2/23/2024	2/21/2024
02/23/24	9:49	Pine Manor Drive, Hellertown	3.420	Cloudy	39.0	Calm	Residence	I woke up this morning and I opened my back door and I can smell a very, very strong garbage gas odor. It's the strongest that it's been, smelled like kind of like rotten eggs and garbage. So I wanted to put that on record. From time to time we smell it. But today it's definitely the strongest it's been in a while.			2/23/2024	2/21/2024
02/23/24	17:38	W. Butternut Rd., Hellertown	2.280	Fair	45.0	WNW @ 7mph	Residence	Garbage odor. Been going on for months. At home.			2/26/2024	2/21/2024
02/25/24	16:00	Redington Rd., Hellertown	1.390	Fair	41.0	S @ 8mph	Residence	Landfill gas odor. Going on since 4 PM. At home.			2/26/2024	2/21/2024
02/26/24	0:13	Saucon Ave, Steel City	0.883	Fair	33.0	SSW @ 8mph	Residence	Rather strong landfill gas odor. Going on 15 min. At home.			2/26/2024	2/21/2024
02/26/24	19:45	Josie Ln., Bethlehem	1.380	Mostly cloudy	31.0	Calm	Residence	Late afternoon and continuing now- it smells like garbage outside. My kids don't even want to play outside, and it's a shame because it was beautiful out today and they should be able to play outside and get fresh air.			3/6/2024	2/26/2024
02/26/24	20:31	Vintage Dr., Easton	1.650	Mostly cloudy	31.0	Calm	Residence	Strong gas odor every few days outside my hours. I believe it's coming from the nearby landfill.			3/6/2024	2/26/2024
02/26/24	20:45	Emma Ln., Bethlehem	1.460	Cloudy	34.0	Calm	Residence	Around 5:30 PM we began to notice the smell of garbage. It got stronger with the evening to the point where I don't want to be outside.			3/6/2024	2/26/2024
02/27/24	9:00	Saucon Ave., Steel City	1.040	Fair	44.0	ENE @ 6mph	Residence	Smells like methane gas, like sewer gas, like a compost pile. Encountered at 9-9:30 AM. At home.			3/6/2024	2/26/2024
02/28/24	16:47	Redington Rd., Hellertown	1.390	Light rain	57.0	SSE @ 13 mph	Residence	Landfill gas odor. Been going on 4 days. At home.			3/6/2024	2/26/2024
02/29/24	17:30	W. Butternut Rd., Hellertown	2.280	Fair	36.0	W @ 10mph	Residence	Smells like garbage. At home.			3/6/2024	2/26/2024

03/02/24	18:28	Easton Rd., Bethlehem	1.790	Mist	49.0	NE @ 9mph	Residence	The smell of the landfill is awful right now. It has been awful and it's getting worse and obnoxious.	3/6/2024	2/26/2024
03/02/24	14:30	Wilson Ave., Bethlehem	0.719	Cloudy	63.0	Var @ 3mph	Residence	Smells like landfill gas. Now, at home.	3/6/2024	2/26/2024
03/05/24	16:56	King's Mill Rd., Hellertown	1.569	Cloudy	48.0	NNE @ 6mph	Residence	Landfill odor. Going on 5 min. At home.	3/6/2024	2/26/2024
03/05/24	17:28	Drive-by: Applebutter Rd.	NA	Cloudy	48.0	NNE @ 6mph	Drive-by	Sinky. Been going on 20 min. While driving by.	3/6/2024	2/26/2024
03/06/24	9:00	Area near Miller Heights subdivision/ Bethlehem Township Community Center	NA	Mist	49.0	Calm	Drive-by	At approximately 9am on Wednesday, 3/6/2024, the entire area of Bethlehem Township near the Miller Heights subdivision/Bethlehem Township Community Center smelled very strongly of methane gas/sulfur/sulfuric smells. It was nearly unbearable and made it into my vehicle even with filters activated. My four year old child began coughing immediately upon going outside. This had become a known occurrence from the landfill, but has worsened and was at its worse today.	3/6/2024	2/26/2024
03/06/24	10:30	Wilson Ave., Bethlehem	0.719	Mist	50.0	ENE @ 3mph	Residence	Smelled gas from Bethlehem Landfill between 10:30 and 11:00 this morning.	3/6/2024	2/26/2024
03/06/24	12:54	Wilson Ave., Bethlehem	0.750	Mist	52.0	Calm	Residence	I live on the other side of the river from the landfill and there is a constant, strong methane gas/garbage smell emanating throughout the township. While we are not experiencing acute health issues at this time, my fear is that prolonged exposure to these pollutants will affect my family. We are not able to sit outside and enjoy the weather, and cannot open windows in our home.	3/14/2024	2/26/2024
03/06/24	13:06	Wagner Dr., Bethlehem	1.880	Cloudy	51.0	Calm	Residence	Overwhelming smell of gas/super smell on/off for several weeks.	3/14/2024	2/26/2024
03/06/24	13:06	Cypress Ct., Bethlehem	2.010	Cloudy	51.0	Calm	Residence	The landfill has smelled absolutely horrid. I believe they don't have the sprayers on or something because it has been like this more often than not lately. You can't even be outside in the township.	3/14/2024	2/26/2024
03/06/24	13:35	7th St., Bethlehem	1.870	Cloudy	51.0	Calm	Residence	Been ongoing methane smell for months now and it keeps happening. It's horrible. My wife and I have been experiencing chronic sinus issues, headache, etc. The landfill wants to further expand. They can't even keep up with this problem. It's no good and something needs to happen.	3/14/2024	2/26/2024
03/06/24	13:51	Hummingbird Ln., Bethlehem	2.460	Cloudy	51.0	NE @ 8mph	Residence	Strong odor of garbage & sulfur in the air. I believe it's coming from the landfill. This has been happening on a regular basis in the township. It has NOT occurred in the previous 22 years that I have lived here.	3/14/2024	2/26/2024
03/07/24	night	Drive-by	1.390	unknown			Drive-by	While going by the Bethlehem Landfill operated by Waste Connections out of Texas, there was a terrible smell of landfill gas I would say with range like a #7 on one to 10. This is at 2335 Apple Butter Rd. I believe it's listed as being in Bethlehem, PA. We're getting rather frustrated with all this year and they want to expand down here. It's only going to become worse and worse. They're bringing closer and closer to our houses on the east. They've already gone to the north and we're smelling it more often here on Redington Rd.	3/14/2024	2/26/2024
03/07/24	7:21	Alpine Dr., Hellertown	1.750	Cloudy	49.0	NNW @ 8mph	Residence	Methane gas odor. Going on several days. At home.	3/14/2024	2/26/2024
03/08/24	20:59	Ivan St., Bethlehem	2.300	Fair	49.0	SE @ 16mph	Residence	1-2 days a week the neighborhood is full of a garbage like odor that lasts several hours. It seems often around 11am-6pm, it is starting to be spring time and windows can't be opened as the odor penetrates the home, there is no other possible source but the recently expanding Bethlehem landfill, I am several miles away I can't imagine the air quality being close to the facility.	3/14/2024	2/26/2024
03/09/24	10:57	4th St., Bethlehem	1.600	Cloudy	40.0	ESE @ 13mph	Residence	Foul odor. Just noticed it. At home.	3/14/2024	2/26/2024
03/09/24	12:57	Adams Ave., Steel City	0.923	Light rain	41.0	E @ 14mph	Residence	Methane gas. Ongoing. At home.	3/9/2024	ERT
03/09/24	14:53	Johnston Ave., Steel City	0.980	Light rain	41.0	ESE @ 10mph	Residence	Gas smell. At home.	3/9/2024	ERT
03/09/24	15:17	Saucun Ave., Steel City	0.883	Light rain	41.0	ESE @ 12mph	Residence	Methane odor from the Bethlehem Landfill. Overpowering today. At home.	3/9/2024	ERT
03/09/24	15:30	Saucun Ave., Steel City	0.931	Light rain	41.0	ESE @ 12mph	Residence	Methane gas smell. Going on a couple of hours. At home.	3/9/2024	ERT
03/09/24	17:51	Saucun Ave., Steel City	1.040	Light rain	41.0	E @ 16mph	Residence	Garbage and methane gas smell. Going on today. At home.	3/14/2024	2/26/2024
03/12/24	8:00	Redington Rd., Hellertown	2.050	Fair	39.0	SSW @ 5mph	Residence	Odor was bad at my house when I walked the dog.	3/14/2024	2/26/2024
03/12/24	14:10	Lwr. Saucun Rd., Hellertown	1.780	Fair	62.0	W @ 13mph	Residence	Odor complaint against the Bethlehem Landfill. Odor is a gassy methane like odor occurring at residence. I'm currently driving down Countryside Lane. It's been smelled on my property at 2. It's smelling all the way down from Countryside Lane from Apple Butter down to Easton Rd.	3/14/2024	2/26/2024
03/12/24	21:09	Applebutter Rd., Hellertown	0.180	Fair	54.0	WSW @ 6mph	Residence	Smells like trash. Going on 2 hours. At home.	3/14/2024	2/26/2024
03/12/24	22:25	Johnston Ave., Steel City	0.980	Fair	52.0	SW @ 3mph	Residence	landfill gas odor; persistent. Going on 10:25 PM-11:30 PM on 3/12. At home. Called on 3/13 because could not get through on 3/12.	3/14/2024	2/26/2024
03/13/24	8:12	Drive-by: Applebutter Rd.	NA	Fair	35.0	Calm	Drive-by	Smell is really bad at self storage container place right at the landfill.	3/14/2024	2/26/2024
03/13/24	8:41	Madison Ave., Steel City	0.740	Fair	41.0	Calm	Residence	Like something died. Very rancid smell. Beginning at 8:30 AM when going outside until present.	3/14/2024	2/26/2024
03/13/24	9:30	Redington Rd., Hellertown	2.050	Fair	41.0	Calm	Residence	Smells like garbage. Occurring now at home from 9:30 until 10:45 AM.	3/14/2024	2/26/2024
03/13/24	10:41	Redington Rd., Hellertown	1.390	Fair	54.0	Calm	Residence	Yesterday up the hill and today at home. Ongoing from the time of the call.	3/14/2024	2/26/2024
03/15/24	8:00	Redington Rd., Hellertown	NA	Mostly Cloudy	53.0	SW @ 10mph	non-Residence	Stinks now on Redington Rd. While walking at 8:00 on Redington Rd.	3/15/2024	3/15/2024
03/16/24	8:33	W Butternut Rd., Hellertown	2.280	Fair	36.0	SW @ 5mph	Residence	Smells like garbage and landfill gas. Encountered on March 16 at 8:33AM at home.	3/21/2024	3/15/2024
03/16/24	9:53	Madison Ave., Steel City	0.740	Fair	47.0	Var	Residence	Smells like a pile of wet baby diapers. Going on for years. At home.	3/21/2024	3/15/2024
03/18/24	7:55	Lwr. Saucun Rd., Hellertown	1.780	Fair	36.0	W @ 5mph	Residence	Gassy, methane odor. At home and will driving all the way to Easton.	3/21/2024	3/15/2024
03/20/24	6:03	Mixael Ave., Steel City	0.796	Mostly Cloudy	31.0	WNW @ 6mph	Residence	horrible smell from the landfill. Just noticed. At home.	3/21/2024	3/15/2024
03/20/24	6:49	Redington Rd., Hellertown	1.590	Cloudy	30.0	NNW @ 5mph	Residence	obvious landfill smell while walking kids to daycare. Going on 20-30 minutes. At home.	3/21/2024	3/15/2024
03/20/24	9:34	Ringoffer Rd., Bethlehem	0.190	Cloudy	36.0	Calm	Residence	Rotten eggs, methane, gas smell. Occurring now, at home.	3/21/2024	3/15/2024
03/20/24	15:26	Hummingbird Ln., Bethlehem	2.460	Light rain	47.0	W @ 18mph	Residence	Terrible smell coming from the landfill! Can't even go outside without being hit with the smell.	3/21/2024	3/15/2024
03/20/24	15:43	Mixael Ave., Steel City	0.796	Rainy/windy	43.0	NW @ 28mph	Residence	Odor like hot garbage in the summer. Encountered now, at home.	3/21/2024	3/15/2024
03/22/24	23:15	Saucun Ave., Steel City	0.883	Cloudy	40.0	ESE @ 9mph	Residence	Strong landfill gas odor. Going on 10 min. At home.	3/27/2024	3/15/2024
03/25/24	8:40	Easton Rd. (Drive-by)	NA	Fair	32.0	ENE @ 10mph	Drive-by	Terrible landfill gas smell. While driving on Easton Rd. towards Hellertown, and could still be smelled when driving in Hellertown.	3/27/2024	3/15/2024
03/26/24	14:51	Johnston Ave., Steel City	0.980	Mostly Cloudy	57.0	E @ 7mph	Residence	Smells like landfill gas, just like it smells when traveling on Applebutter Rd. near the Bethlehem Landfill. Occurring now, at home.	3/27/2024	3/15/2024
03/26/24	15:36	Jefferson Ave., Steel City	0.839	Mostly Cloudy	57.0	E @ 7mph	Residence	Strong landfill gas smell on my property.	3/27/2024	3/15/2024
03/26/24	17:00	Wilson Ave., Bethlehem	0.719	Cloudy	58.0	E @ 9mph	Residence	Smells like landfill gas.	3/27/2024	3/15/2024
03/26/24	unknown	13th St., Bethlehem	2.120	unknown			Residence	Horrible sulfur-like smell in the air. This is an ongoing issue with increasing occurrences recently. From what I've learned, it comes from the Bethlehem Landfill. The smell was noticed on 3/26 at my house.	3/27/2024	3/15/2024
03/27/24	6:32	Milan St., Bethlehem	2.380	Cloudy	43.0	S @ 3mph	Residence	Landfill gas odor noticed 15 min. ago. At home.	3/27/2024	3/15/2024
03/27/24	8:39	Wilson Ave., Bethlehem	0.719	Cloudy	43.0	SSE @ 3mph	Residence	Smells like landfill gas. Occurring now at home.	3/27/2024	3/15/2024
03/27/24	10:22	Johnston Ave., Steel City	0.980	Cloudy	44.0	SE @ 5mph	Residence	Smells like landfill gas. Encountered at Friendly Food Mart on Pembroke Rd. when leaving the store at 10:20 AM and when arriving home at 10:27 AM.	3/27/2024	3/15/2024
03/27/24	12:22	Riverside Dr., Bethlehem	1.350	Cloudy	46.0	E @ 5mph	Residence	Garbage smell, landfill gas. Occurring now at home.	4/4/2024	3/15/2024
03/27/24	unknown	Mountaintop Circle, Bethlehem	unknown	unknown			Residence	Strong landfill gas odor coming from the landfill this afternoon.	3/28/2024	3/15/2024
03/27/24	17:59	Freemansburg Ave. (Drive-by)	NA	Cloudy	47.0	Calm	Drive-by	Horrible sulfur-like smell in the air. This is an ongoing issue with increasing occurrences recently. From what I've learned, it comes from the Bethlehem Landfill. The smell was noticed on 3/27 very badly in the ShopRite plaza on Freemansburg Ave.	4/4/2024	3/15/2024
03/27/24	19:43	Snyder Ave., Steel City	1.130	Light rain	46.0	Calm	Residence	Bad sulfur gas smell. Just noticed. At home.	4/4/2024	3/15/2024
03/27/24	22:25	Bethlehem Township	unknown	Cloudy	46.0	Calm	unknown	Very strong scent of sulfur outside. My children and elderly parents complain of hard breathing outside every time this happens. I can't say I disagree. Haven't had to see a Dr yet which is why I laid no to the health problems but it seems to be happening more and getting worse.	4/4/2024	3/15/2024
03/28/24	9:40	Applebutter Rd. (Drive-by)	NA	Cloudy	48.0	NW @ 9mph	Drive-by	Smells like garbage today, still occurring along all of Applebutter Rd. up to 78.	4/4/2024	3/15/2024
03/28/24	12:42	Pine Manor Drive, Hellertown	3.420	Cloudy	46.0	NW @ 9mph	Residence	Smells like rotten eggs. It's a foul odor like sulfur. Occurring now at home.	4/4/2024	3/15/2024
03/28/24	17:00	Kings Mill Rd., Hellertown	1.569	Cloudy	45.0	NNW @ 13mph	Residence	Odor from the Bethlehem Landfill. Noticed at 5:00 PM on 3/28 and again at midnight/1:00 AM on 3/29.	4/4/2024	3/15/2024
03/31/24	evening	W Butternut Rd., Hellertown	2.280	unknown			Residence	Garbage smell inside home.	4/4/2024	3/15/2024

V. Host Municipal Inspector (HMI) – Inspection Reports

A. Odor Observations/Issues

1. January 4, 2024 – Landfill (LF) gas odors detected from the Krasnansky property to Swint Salvage Yard before and after the LF inspection.
2. January 18, 2024 – A slight LF gas odor was detected from the Krasnansky property to the self-storage buildings prior to the LF inspection. After the LF inspection, no odor was detected along Applebutter Road.
3. February 1, 2024 – No odor was detected along Applebutter Road prior to or after the LF inspection.
4. February 15, 2024 – No odor was detected along Applebutter Road prior to or after the LF inspection.
5. March 7, 2024 – A LF gas odor was detected from the LF entrance to Red Barn Auto prior to and after the LF inspection.
6. March 21, 2024 – A slight waste odor was detected in the area of Swint Salvage Yard prior to the LF inspection. After the LF inspection, a slight LF gas odor was detected in the area of the Evangelica Church along Applebutter Road.

B. Status of Action Items

1. January 4, 2024:
 - a. Address LF gas odors being generated at the southeast corner of cell SE-2AB. BL is in the process of developing an intermediate capping plan. Funding is in place and quotes are being requested from NAPA to complete the project.
 - b. Remove sediment from the containment area around the Blue Leachate Storage Tank.
 - c. Stormwater down channels through the south slopes of cells 4A and 3C are being repaired.
 - d. NAPA has completed placing the liner for the new Northern Realignment 1 (NR-1) cell.
2. January 18, 2024:
 - a. BL has received a quote from NAPA to complete the intermediate capping of the southeast corner of cell SE-2AB. DEP has been advised of the proposed intermediate capping project. NAPA started staging the capping materials.
 - b. NAPA has started placing the 24-inch stone cover over the liner for NR-1.
 - c. Removal of the sediment around the Leachate Storage Tank is ongoing.

- d. Work on the stormwater down channels through the southern slopes of cell 4A and 3C continues.
3. February 1, 2024:
 - a. BL has started the intermediate capping project.
 - b. Placement of the 24-inch stone cover over the liner for NR-1 continues.
 - c. Removal of the sediment around the Leachate Storage Tank is on hold due to the ongoing capping project.
 - d. The majority of the work on the stormwater down channels through cells 4A and 3C has been completed.
 4. February 15, 2024:
 - a. NAPA has completed the soil grading necessary at the southeast corner of cell SE-2AB and can start the placement of the 25-mil capping material when the snow melts.
 - b. NAPA has completed the placement of the soil berm around the NR-1 western and northern cell limits. Placement of the 24-inch stone cover has been stopped due to the weather conditions.
 - c. Sediment removal around the Leachate Storage Tank has resumed.
 5. March 7, 2024:
 - a. NAPA has completed the intermediate capping project and BL is working on a plan to install additional vertical gas extraction wells in the newly capped area.
 - b. NAPA is nearing completion of the 24-inch stone cover in NR-1.
 - c. Sediment removal around the Leachate Storage Tank continues.
 - d. Repair of leachate seeps in the northern area of cell SE-2AB to be repaired.
 - e. Sedimentation Trap A's northern berm has been repaired.
 6. March 21, 2024:
 - a. Repair of the leachate seeps observed during the March 7, 2024 inspection have been repaired.
 - b. BL continued to work on a plan for the drilling of vertical gas wells in the recently capped southeast corner of cell SE-2AB.
 - c. Removal of sediment around the Leachate Storage Tank continues.
 - d. Litter along the permanent litter fence needs to be removed.

- e. Minor repair work to the stormwater down channel north of Sedimentation Pond 4 continues.

VII. DEP Inspection Reports

A. Violations

1. January 11, 2024:
 - a. Daily/Intermediate Cover – gas exceedances of 500 PPM in two (2) locations and 350 PPM in three (3) locations at the southeast corner of cell SE-2AB were detected. Strong odors of LF gas and leachate present. Cover showed fissures, seeps and gas bubbling.
2. January 26, 2024:
 - a. No violations.
 - b. BL continues to address the violations noted during their January 11, 2024 inspection. BL continues working on seep repairs and has started the capping project at the southeast corner of cell SE-2AB.
3. February 21, 2024:
 - a. No violations during this inspection, but the report did note that a Notice of Violation (NOV) was issued February 8, 2024 for violations noted in the January 11, 2024 inspection report.
4. February 26, 2024:
 - a. No violations.
5. March 15, 2024:
 - a. No violations.
 - b. BL has submitted a plan for maintenance and reporting for sedimentation basins along the north side. Also, DEP has determined that the outfall of Sedimentation Trap A must be permitted once Best Management Practices (BMPs) are determined.

B. Observations

1. January 11, 2024:
 - a. Possible stormwater may be collecting down slope from Sedimentation Pond A and causing erosion.
2. January 26, 2024:
 - a. See DEP inspections A.2.

3. February 21, 2024:
 - a. A breach in the northern berm of Sedimentation Trap A was noted. DEP requested that BL submit a plan to address the repair and maintenance of Sedimentation Trap A.
 - b. Strong gas odors detected at the southeast corner of cell SE-2AB; area of the ongoing capping project.
4. February 26, 2024:
 - a. No off-site odors detected.
 - b. Strong on-site odors of gas and leachate were detected at the top of cell SE-2AB in the area of the active working face.
5. March 15, 2024:
 - a. No LF gas odors were detected on the south slope. The Geosynthetic Traps that have been installed on the slopes of cell SE-2AB appear to be mitigating fugitive gas emissions.
 - b. Repairs to Sedimentation Trap A, the area of concern in the February inspection report have been implemented and corrected.