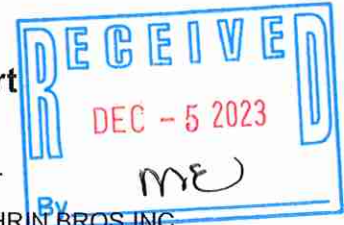


BOS
J.K. - Chris
J. Black

Municipal Waste Landfill Inspection Report



Permit Number	100022	EPA ID Number	----
Facility Name	CHRIN BROS SANI LDFL	Operator Name	CHRIN BROS INC
Address	1225 INDUSTRIAL DR	Address	1225 INDUSTRIAL DR
City/State/Zip	EASTON PA 18042-6829	City/State/Zip	EASTON PA 18042-6829
Municipality	Williams Township	County	Northampton
Responsible Official	Gregory Chrin	Title	Owner/ Operator
Person Interviewed	Joseph Klobusicky	Title	Environmental Manager
Lead Inspector	AMY E FAULCH	Telephone #	1
Site ID	238053	Title	SLD WSTE SUPV
PF ID	240650	Client ID	42952
Inspection Start Date	11/16/2023 09:20 AM	SF ID	201820
Inspection Type	RTNC - Routine/Complete Inspection	Inspection End Date	11/16/2023 12:00 PM
Permit Expiration Date	01/06/2030	Inspection Result	No Violations Noted
		Days/Week Operated	6
		Max. Daily Volume	2000 Tons/Day

Check Lists

Municipal Waste Landfill (0131)			
Status	Requirement	Chapter Citation	Line Item
GENERAL PROVISIONS			
No Violation	Required insurance in effect	271.371	1
	(expiration date) 12/01/2023		1A
No Violation	Operation in accordance with approved plans and permit.	273.201(c)(2)	2
No Violation	Operation within permit boundaries (vertical and horizontal).	273.201(c)(2)	3
No Violation	Disposal Timing and sequence as per Section 273.112(1).	273.201(c)(2)	4
No Violation	No unapproved wastes or liquids.	273.201(d)-(m)	5

No Violation	Isolation distances are adhered to.	273.202(a)	6
No Violation	Facilities certification requirements followed.	273.203(a), (b)	7
No Violation	Written Department approval of new construction prior to waste disposal.	273.203(c)	8
DAILY OPERATIONS			
No Violation	Proper signs posted.	273.211(a)	9
No Violation	Site perimeter clearly marked and grid coordinate system in use.	273.211(b)-(d)	10
No Violation	Proper barriers installed around site and access controlled when attendant not present.	273.212(a)-(i)	11
No Violation	Access roads maintained and negotiable by collection vehicles.	273.213(a)-(i)	12
No Violation	Approved means of measuring and inspected waste utilized. Remark: Chrin recorded 53 overweigh vehicles in October and 60 overweight vehicles in November 2023.	273.214(a), (b)	13
No Violation	Adequate equipment on-site and stand-by equipment available.	273.215(a), (b)	14
No Violation	Vehicles directed promptly to unloading area and promptly unloaded.	273.216(a), (b)	15
No Violation	Solid waste spread and compacted as approved by Department as part of permit.	273.216(c)	16
No Violation	Operator implements fugitive air contaminant control/measures and prevents and controls air pollution including no exceeding of ambient air quality standards, no open burning, and minimizing generation of fugitive dust emissions from facility.	273.217(a)	17
No Violation	Operator complies with Air Quality Plan approval and Air quality Operating Permit.	273.217(b)	18
No Violation	Operator does not cause or allow attraction, harborage, or breeding of vector.	273.218(a)	19
No Violation	Operator implements nuisance minimization and control plan.	273.218(b)(1)	20

No Violation	Operator performs regular, frequent, and comprehensive site inspections to reduce potential for offsite odors.	273.218(b)(2)	21
No Violation	Operator promptly addresses and correct problems and deficiencies discovered during inspections.	273.218(b)(3)	22
No Violation	Operator implements nuisance minimization and control plan to minimize and control other conditions harmful to the environment or public health, or which create safety hazards, odors, dirt, noise, unsightliness and other public nuisances. Remark: Chrin's daily odor patrol logs and nuisance load logs were reviewed. Chrin's odor patrols and odor control measures appear to be following their nuisance minimization and control plan.	273.218(c)	23
No Violation	Operator does not receive solid waste at a landfill in excess of the maximum or average daily volume approved in the permit. Remark: Daily tonnages were reviewed since the last inspection. There were no exceedances of the 2,000 ton daily limit. The greatest one-day tonnages were as follows: October 3- 681 tons; November 13- 638 tons.	273.221(a)	24
No Violation	Operator implements radiation protection action plan.	273.223(a)	25
No Violation	Operator monitors incoming waste in accordance with Department's guidance or in a manner at least as protective of the environment, facility staff and public health and safety. Remark: Radiatio source checks were reviewed. Chrin has had no radiation hits since the last inspection.	273.223(b)	26
No Violation	Radiation detector elements shall be as close as practical to wasteload and in appropriate geometry to monitor the waste.	273.223(c)	27
No Violation	Operator has portable radiation monitors capable of determining the dose rate and presence of contamination of a vehicle that has caused an alarm. Upon exceedance of alarm level, a radiological survey of the vehicle is performed.	273.223(d)	28
No Violation	Operator notifies Department immediately and isolates vehicle when radiation dose rates are exceeded.	273.223(e)	29

No Violation	Monitoring equipment is calibrated at frequency specified by manufacturer, but not less than once a year.	273.223(f)	30
No Violation	If radioactive material is detected, vehicle containing material shall not leave facility without written Department approval and an authorized federal Department of Transportation exemption form.	273.223(g)	31
No Violation	Uniform cover of the approved daily cover material is placed on exposed solid waste at the end of each working day or at the end of every 24 hours, whichever interval is less.	273.232(a)	32
No Violation	If intermediate cover requires revegetation, it is established within 30 days.	273.233(e)	33
No Violation	Slopes constructed during daily landfilling and intermediate cover activities may not exceed 50 percent.	273.233(f)	34
No Violation	Operator does not cause or allow waste pollution within or outside the site from operation of the facility.	273.241(a)-(c)	35
Not Applicable	Operator has restored or replaced adversely affected water supply with an alternative source of like quantity and quality.	273.245(a)	36
Not Applicable	Temporary water supply is provided within 48 hours.	273.245(b)	37
Not Applicable	Permanent water supply is provided within 90 days.	273.245(c)	38
No Violation	No waste 15 feet of inside top of the lined perimeter berm.	273.252(e)	39
No Violation	Lined perimeter berm 4 ft. high constructed and maintained along edge of the lined disposal area.	273.252(f)	40
No Violation	Edge of liner clearly marked.	273.252(g)	41
Not Applicable	Alternate leachate recirculation method may be used if approved if one of the liner systems is a composite liner.	273.274(b)	42
No Violation	Underground pipes used to transport leachate to leachate storage impoundments or tanks equipped with secondary containment or comply with 245.445.	273.275(g)	43

Not Applicable	Operator isolates coal seams, coal outcrops and coal refuse from waste deposits to prevent combustion of waste and damage to liner.	273.291(a)	44
Not Applicable	Mine openings within site sealed as approved by Department.	273.291(b)	45
Not Applicable	Operator implements plan for controlling potential damage from subsidence submitted and approved under 273.120.	273.291(c)	46
No Violation	Landfill designed, constructed, maintained and operated to prevent and minimize potential for fire, explosion, or release of solid waste constituents into air, water, or soil of the Commonwealth.	273.301	47
No Violation	Emergency equipment including portable fire extinguishers, fire control equipment, spill control equipment, and decontamination equipment available. For fire equipment requiring water, facility has a water supply of or adequate quantity and pressure to supply the equipment.	273.302(a)	48
No Violation	Emergency equipment tested and maintained.	273.302(c)	49
No Violation	Adequate space maintained to allow unobstructed movement of emergency personnel and equipment.	273.302(d)	50
No Violation	Litter controlled/collected and barriers/fences in place.	273.220(a)-(c)	51
COVER/SLOPES/REVEGETATION			
No Violation	Daily/intermediate cover meets performance and design requirements.	273.232(b), 273.233(b), (c)	52
No Violation	Minimum 5 day supply of daily and intermediate cover maintained on-site.	273.232(c) & 273.233(d)	53
No Violation	Intermediate cover applied within time limits.	273.233(a)	54
No Violation	Intermediate slopes do not exceed 50%.	273.232(d)	55
No Violation	Cap placed over entire surface of final lift meets performance standards.	273.234(a)(1)	56
No Violation	Final cover meets performance and design requirements; applied within time limits.	273.234(b)-(e)	57
No Violation	Final slopes stable and erosion controlled.	273.234(f)	58

No Violation	Final slopes graded 3-15% or terraced to 33% as approved.	273.234(g)	59
No Violation	Minimum revegetation and successful revegetation requirements adhered to.	273.235(a)-(e) & 273.236(a), (b)	60
WATER QUALITY PROTECTION			
No Violation	Surface and groundwater treatment facilities properly operated and maintained.	273.241(b)	61
No Violation	Surface water percolation minimized/prevented.	273.242(b)(1) & 273.234(e)(4)	62
No Violation	Soil erosion and sedimentation controls designed and implemented as per approved plans; gullies over nine inches repaired.	273.242(a)-(c)	63
No Violation	Sedimentation ponds and discharge structures designed, constructed, operated, and maintained in accordance with Chapters 273, 102, and 105.	273.243(a)-(g) & 273.244	64
LINER SYSTEM			
No Violation	Liner system designed, constructed, operated, and maintained when required.	273.251(a), (b)	65
No Violation	Edge of liner requirements adhered to (i.e., no waste within 25 feet of adjacent liner, 4 feet high lined berm, to prevent lateral escape of leachate, adequate spacing on inside of berm to collect stormwater and sediment).	273.252(d)	66
No Violation	Leachate detection zone monitored weekly.	273.255(c)	67
No Violation	Protective cover protects primary liner and leachate collection system and allows free flow of leachate into the collection system.	273.257(a)	68
No Violation	Protective cover meets minimum requirements and at least 18 inches thick.	273.257(b)	69
No Violation	Leachate collection system within protective cover meets minimum requirements.	273.258(a), (b)	70
No Violation	Barrier designed, constructed and maintained as required to prevent lateral migration of leachate off-site in surface mined areas.	273.259(a)-(d)	71
No Violation	8 feet of select waste placed over protective cover.	273.260	73
LEACHATE TREATMENT			

No Violation	Leachate collected and handled through Department approved method(s).	273.272(a)-(c)	74
Not Applicable	Leachate transportation requirements adhered to.	273.273(a)-(c)	75
No Violation	Cessation of site operation if alternate leachate handling not available.	273.273(d)	76
Not Applicable	Leachate treatment system permitted and fully operational at least 3 years before closure.	273.273(e)	77
Not Applicable	Leachate recirculation in accordance with regulations.	273.274(1)-(4)	78
No Violation	Leachate collection and storage systems on-site have capacity of 30 days or 250,000 gallons, whichever is greater.	273.275(a)-(f)	79
No Violation	Leachate flow rate measured daily; analyzed quarterly. Remark: Leachate flow rates are as follows: October: 54,768 gallons per day; November: 41,140 gallons per day.	273.276(a)-(b)	80
No Violation	Department notified when remedial action(s) required.	273.277(1)-(4)	81
WATER QUALITY MONITORING			
No Violation	Approved monitoring system installed and maintained.	273.281(a), (b) & 273.283	82
No Violation	Quarterly and annual monitoring requirements adhered to and results submitted Department within time constraints.	273.284 & 273.285	83
No Violation	Groundwater assessment plan submitted and implement as required.	273.286(a)-(g)	84
No Violation	Groundwater abatement plan submitted and implemented as required.	273.287(a)-(f)	85
RECORDKEEPING AND REPORTING			
No Violation	Operational records maintained, available and submitted as required.	273.288 & 273.311-273.313	86
No Violation	Daily Operational Records kept in accordance with regulations for the life of the facility bond or longer if necessary.	273.311(d)	87
No Violation	Operator submits quarterly operation report.	273.312	88
No Violation	Operator submits annual operation report with fee.	273.313	89

MINERALS AND GAS		
No Violation	Gas venting and monitoring in accordance with approved plans.	273.292(a)-(d) 90
No Violation	Combustible gas levels not exceeded.	273.292(e) 91
No Violation	Forced gas venting if required.	273.292(f) 92
No Violation	Gas recovery conducted as per approved plan and §273.293, including annual analysis.	273.293(a), (b) 93
EMERGENCY PROCEDURES		
No Violation	Contingency plan implemented if there is an emergency.	273.303(a)-(c) 94
RECYCLING		
No Violation	Operator shall salvage and recycle waste in accord with recycling plan. (273.196)	273.331(a) 95
No Violation	Salvaging and recycling controlled by operator and prevents interference within operations and prevents health hazardous nuisance.	273.331(b) 96
No Violation	Salvaged materials stored in an approved area or transported offsite.	273.331(c) 97
No Violation	Drop off center established for at least three recyclables.	273.332(a) 98
No Violation	Drop off center properly located, contains bins or containers, open at least 8 hours per week and 4 hours during evenings or weekends.	273.332(b), (c) 99
No Violation	Approved public notice of availability of drop off center availability is provided.	273.332(d) 100
No Violation	On or before January 15 each year, operator informs municipality in writing of weight and type of materials recycled previous year.	273.332(e) 101
SPECIAL HANDLING AND RESIDUAL WASTES		
No Violation	Special handling and residual wastes disposed with prior Department approval, and in accordance with permit and Chapter 273.	273.501 102
Not Applicable	Infectious waste disposal restrictions adhered to.	273.511(a)-(d) 103

Not Applicable	Chemotherapeutic waste disposal restrictions adhered to.	273.512	104
No Violation	Sewage sludge co-disposal and monofill requirements followed.	273.513	105
No Violation	Sewage sludge sampling requirements adhered to and sludge meets standards for control of pathogens, vectors, and odors.	273.513(c)	106
Not Applicable	Disposal of municipal waste incineration ash in landfill or landfill cell that meets Chapter 273 requirements.	273.514(a)	107
Not Applicable	Ash residue disposal in dedicated landfill or landfill cell unless co-disposal in accordance with Chapter 273 (including leachability treatment).	273.514(b)	108
Not Applicable	Ash residue covered immediately or as approved by the Department.	273.514(c)	109
BONDING AND INSURANCE			
No Violation	Bond filed with Department.	271.312	110
No Violation	Bond maintained in an amount and with guarantees as required.	271.333(b)	111
	Bond amount \$		111A
	Phased deposit due date		111B
No Violation	Proof of a commercial policy of liability insurances submitted to the Department as specified by 271.374.	271.374	112
	Policy # GEC003617611		112A
	Insurer (company name) Greewich Insurance Company NAIC 22322		112B
	Expiration Date: 12/01/2023		112C

Comments

On November 16, 2023, the PA Department of Environmental Protection ("Department") conducted a routine complete inspection at Chrin Bros. Sanitary Landfill ("Chrin"). Amy Faulch ("this inspector") and Matthew Caccese of the Department's Emergency Response Team accompanied Robert Mullin of the Department's Air Quality Program for surface emission monitoring (SEM). Joseph Klobusicky, Doug Glick and Justin Souders provided a site tour and was interviewed on behalf of Chrin. See the 11/16/23 odor patrol log for weather details.

The following Department personnel entered the landfill since the last inspection: 9/29/23: A. Faulch; M. Glogowski and R. Albert on 10/18/23; and A. Faulch, R. Mullin and M. Caccese on 11/16/23.

SITE TOUR:

Prior to entering Chrin, this inspector conducted an odor patrol in the areas surrounding the facility. A light, intermittent gas odor was detected along I-78 just adjacent to the landfill. A very light, intermittent "fishy" garbage odor was detected along Morgan Hill Rd. A very light, brief garbage odor was detected along Industrial Dr. near the east side of the landfill. See the 11/16/23 odor patrol log for details.

During this site tour the working face was observed in 9B. Three trucks were unloading. A strong gas odor was detected at the access road entrance to the working face, and a light garbage odor was detected to the north of the working face. Perimeter line misters were in operation as well as spray bar misters to the south of the working face. A hose with neutralizer was employed at the working face. Less waste flagging was observed in the areas surrounding the current working in 9B. The slope above Stage 9 has some vegetative growth.

The 3E waste relocation project is continuing, and this waste is being relocated to the current working face. Final capping on the bottom slopes of 3D/3E has been completed and is awaiting final certification. Some dust was observed on the access roads, however roads were observed being watered during this inspection. A truckwash station was in operation on the north access road. The 501 building demolition is continuing.

Flare 3 was in operation at the time of this inspection with a temperature of 1758°F and a flow of 1830 scfm. Flare 4 and the candlestick flare were not in operation. Engines for the gas to energy plant are still being refurbished.

This inspector accompanied Robert Mullin and Matthew Caccese for SEM in primarily in the Stage 9A area and areas west of the working face. Gas readings over 500 parts per million (PPM) were detected at the following locations, with gas odors noted: HW-02 (gas odor), GW-148, DR-83, HW-44 (gas odor), and the area between HW-43 and HW-44 (gas odor). (Chrin conducted 10-day follow-ups on 11/22/23, see attached email with results.) Additional elevated readings of over 100 PPM but less than 500 PPM were detected at the following locations, with gas odors noted: GW-166 (gas odor), DR-100, HW-43, cover area west of HW-42 (gas odor), HW-15 (gas odor), HW-16 (gas odor), GW-177, area

between GW-68 and GW-80 (gas odor), GW-15 (gas odor), and GW-175 (gas odor). Gas odors were strongest while walking along the 9A anchor trench area. Some waste flagging was and odors were also observed in the intermediate cover area of the 9A south slope and in a low spot near the GW-068 well.

ODOR COMPLAINTS:

The Department received three odor complaints since the last inspection on 9/29/23. The Department conducted three odor patrols since the last inspection: 10/19/23 (efacts ID# 3632069); 11/3/23 (efacts ID# 3640258); and 11/16/23 (efacts ID# 3650621).

Check List Comments

Line Item 13 - Approved means of measuring and inspected waste utilized.

Remark: Chrin recorded 53 overweigh vehicles in October and 60 overweight vehicles in November 2023.

Line Item 23 - Operator implements nuisance minimization and control plan to minimize and control other conditions harmful to the environment or public health, or which create safety hazards, odors, dirt, noise, unsightliness and other public nuisances.

Remark: Chrin's daily odor patrol logs and nuisance load logs were reviewed. Chrin's odor patrols and odor control measures appear to be following their nuisance minimization and control plan.

Line Item 24 - Operator does not receive solid waste at a landfill in excess of the maximum or average daily volume approved in the permit.

Remark: Daily tonnages were reviewed since the last inspection. There were no exceedances of the 2,000 ton daily limit. The greatest one-day tonnages were as follows: October 3- 681 tons; November 13- 638 tons.

Line Item 26 - Operator monitors incoming waste in accordance with Department's guidance or in a manner at least as protective of the environment, facility staff and public health and safety.

Remark: Radiatio source checks were reviewed. Chrin has had no radiation hits since the last inspection.


Line Item 80 - Leachate flow rate measured daily; analyzed quarterly.

Remark: Leachate flow rates are as follows: October: 54,768 gallons per day; November: 41,140 gallons per day.

Inspection Report Signature Page

This inspection report is notice of the findings of an inspection conducted by a representative of the Department. This report is formal notification of any violations observed during the inspection. Additional notification of violations may be issued concerning either Violations noted herein, or other violations identified as a result of review of laboratory analyses. This report does not constitute an order or other appealable action of the Department. Nothing contained herein shall be deemed to grant or imply immunity from legal action for any violation noted herein. Signature by the persons interviewed does not necessarily imply concurrence with the findings of this report, but does acknowledge that the person was shown the report or that a copy was left with the person.

Signatures

Person		Date	
Interviewed	Unable To Obtain Reason: Sent to facility via email.		--/------
Inspector		Date	12/04/2023

Surface Methane Monitoring
Field Sheet



pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Landfill	Chrins	Inspection Date	11/16/23
Specialist	M.W.	Date Instrument was last calibrated	11/16/23
Background Location (Upwind of Facility)	Mountain Top Dr + Lighter Low LN	Background Value (FID Reading ppm)	2.8

Time	Location	FID Reading ppm	Comment
1041	GW 188	15.2	
"	GW 175	19.0	
1042	GW 167	8.4	
"	GW 166	176.0 176.0	Gas Odor
★ 1043	HW-02	2421.0	" "
★ 1045	GW-148	10K	
★ 1046	DR-83	3680.0	
1047	DR-100	122.0	
1048	HW-43	121.0	
★ 1049	HW-44	615.0	Cover area between test well & this well 1060
			←
S960			South Access Road Temp Cap
1103	HW-42	18.6	147.4
1105		142	Cover area west HW-42 147.4 , Gas odors

Gas odor too
R side as app.
Ⓢ side as approach

Surface Methane Monitoring
Field Sheet



pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Landfill	Chris	Inspection Date	11.16.22
Specialist	Mullin	Date Instrument was last calibrated	11/16/22
Background Location (Upwind of Facility)		Background Value (FID Reading ppm)	2.8

Time	Location	FID Reading ppm	Comment
1106	GW-159	11.1	
1106	HW-16	11.1	
1107	HW-15	424.0	Gas Odor
1108	HW-16	159.0	West of HW-15, HW-16 This is not HW-12
1110	DR-99	14.1	
1114	GW-117	58.0	
1116	GW-133	26.8	
1117	GW-131R	5.3	
1118	GW-177	130.2	
1120	GW-65	7.4	needs be remarked cap popped off; heard vacuum?
1121	GW-131R line	4.4	
1122	GW-130	7.4	
1122	GW-68	9.3	
1124		222	Gas odors; half way between GW-68 & GW80

This is still part of HW-16 as -12 marked in field

Surface Methane Monitoring
Field Sheet



pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Landfill	Chris	Inspection Date	11/16
Specialist	Mullis	Date Instrument was last calibrated	
Background Location (Upwind of Facility)	Mountain Top Dr + Waterloo Loop Dr	Background Value (FID Reading ppm)	2.8

Time	Location	FID Reading ppm	Comment
1125	GW-80	78.3	
1126	GW-15	309.0	Gas Odor
1127	GW-175	322.0	" "
1128	GW-106	60.7	
1129	GW-187	7.0	

Investigator: M. V. POND Date: 10/19/23 CASE: Christin LF

Weather Conditions: 63°F, part cloudy, 58 to 64, winds S 10 MPH ODOR PATROL SURVEY

SURVEY LOCATION	TIME	ODOR INTENSITY S = Strong M = Moderate SL = Slight N = None	ODOR DURATION P = Persistent I = Intermittent N = None	ODOR DESCRIPTION EG = Rotten Egg LFG = Landfill Gas G = Garbage S = Sewage D = Dredge O = Other (describe)	COMMENTS & OBSERVATIONS
Industrial Rd	110	SL	I	LFG	along land fill fence
611 S	114	SL	I	S	near DWTP
Industrial Rd	115	N			
Cedarville Rd	116	N			
Cedar Park Bl.	118	N			
Knollwood Dr	119	N			
Auburn Dr	120	N			
Cedar Park Rd	121	N			
Cedarville Rd	122	N			
Morgan Hill Rd	124	N			
Pine Valley Trst	127	N			
Morgan Hill Rd	128	N			
Junction Dr.	129	N			
Water Tower	131	N			
Clubhouse Dr	135	N			
Congressional Dr	136	N			
Chalchoma Dr.	137	N			
Morgan Hill Rd	139	N			

CASE: _____ ODOR PATROL SURVEY

Investigator: _____ Date: _____
Weather Conditions: _____

SURVEY LOCATION	TIME	ODOR INTENSITY S = Strong M = Moderate SL = Slight N = None	ODOR DURATION P = Persistent I = Intermittent N = None	ODOR DESCRIPTION EG = Rotten Egg LFG = Landfill Gas G = Garbage S = Sewage D = Dredge O = Other (describe)	COMMENTS & OBSERVATIONS
Morvale Rd.	140	N			
Benger Rd.	145	N			
Island Park Rd	148	N			

Investigator: A. Fawlich Date: 11/3/23 CASE: Chris Landfill
 Weather Conditions: Sunny, 54°F wind SSW @ 7, 40% H ODOR PATROL SURVEY

SURVEY LOCATION	TIME	ODOR INTENSITY S = Strong M = Moderate SL = Slight N = None	ODOR DURATION P = Persistent I = Intermittent N = None	ODOR DESCRIPTION EG = Rotten Egg LFG = Landfill Gas G = Garbage S = Sewage D = Dredge O = Other (describe)	COMMENTS & OBSERVATIONS
1-78	1256	N			eFACTS # 3640258
MHRx Industrial	1258	N			
Cedarnite	1259	N			
Sewage Trt Plant	1303	N			
Congressional	1306	N			
Clubhouse	1308	N			
Turnberry	1309	N			
Merion	1309	N			
Pine Valley	1312	N			
Spring Valley	1314	SL	1	O	wood burning odor
Mt. Top	1319	N			
Waltman Loop	1320	N			
Morvale	1321	N			
Industrial	1325	N			
MHRx Industrial	1328	N			
MHR	1328	N			
Morvale	1330	N			

Investigator: A. Faulstich / R. Mullin Date: 11/16/23
 Weather Conditions: Sunny, 43°F, Wind SW @ 2 mph, 65% H.

CASE: Chnn Landfill
ODOR PATROL SURVEY

SURVEY LOCATION	TIME	ODOR INTENSITY S = Strong M = Moderate SL = Slight N = None	ODOR DURATION P = Persistent I = Intermittent N = None	ODOR DESCRIPTION EG = Rotten Egg LFG = Landfill Gas G = Garbage S = Sewage D = Dredge O = Other (describe)	COMMENTS & OBSERVATIONS
1-78	920	SL	1	LFG	light gas odor next to landfill
MHR Industrial	923	N			
Cedarville	923	N			
MHP Industrial	925	N			
MHR	926	SL	1	G	very light "fishy" garbage odor
Clubhouse	927	N			
Pine Valley	928	N			
Clubhouse	930	N			
Turnberry	931	N			
Water Tower	932	N			
Merton	933	N			
Clubhouse	934	N			
Spring Valley	936	N			
MT. Top	939	N			
Waltham Loop	940	N			
Morvale	947	N			
Industrial	951	SL	1		very light, brief garbage odor near E side of landfill
ENTER LANDFILL	959				

CHRIN ODOR COMPLAINT LOG (1225 Industrial Dr., Easton, PA 18042)

Date	Time	Address	Distance from Landfill (miles)	Weather Data (Allentown MABE)		Temperature F	Wind (out of)	Residence / Drive-by	Description / Notes	Gas Management Data				Date of Initial Response	Addressed In Insp Report Dated
				Skies	www.windground.com					Flare 1 (scfm)	Flare 3 (scfm)	Flare 4 (scfm)	PPL (scfm)		
01/02/23	17:28	Pine Valley Ter., Easton	NA		53	West 0-1 mph	Drive-by	Calling regarding the Chirn Landfill in Williams Twp. It just stinks so bad on Industrial Dr. every time I drive by there. It's dangerous. It's not good to be breathing this or have my kids breathing it, it's just terrible. I don't bother filling out complaints anymore because nothing ever changes. You guys aren't ever going to tell the dump not to be there, you know, no matter what happen until we're supposed to cap it. It definitely smells worse on Industrial Dr. than it does at my house. There's not a day that it doesn't stink on Industrial Blvd. in the evening and that's when I'm usually driving there. I don't know if it's because once the air cools, something happens.	1672	1672			1672	01/04/23	01/06/23
01/09/23	16:29	Pine Valley Ter., Easton	NA		40	Northwest 0-1 mph	Drive-by	I live in Williams Twp. & I just wanted to let you guys know I smell it now. Today is a colder day. So I can smell it on the switchback coming down to town.	1428	1428			1428	01/26/23	02/09/23
03/31/23	19:33	Pine Valley Ter., Easton	1.348		57	South 5-6 mph	Residence	Odors of human waste have been on caller's property for w few hours.	1540	1540			1540	04/03/23	05/04/23
04/14/23	10:27	Spring Valley Rd., Easton	unknown		79	North 1-2 mph	Residence	Odor complaints-submitted to Williams Twp.	1213	1213			1213	04/17/23	05/04/23
05/06/23	1:46	Merion Ln., Easton	1.744		44	Southeast 0-1 mph	Residence	Heavy gas odor on property	1441	1441			1441	05/08/23	05/04/23
05/07/23	7:43	Merion Ln., Easton	1.744		54	Southeast 0-1mph	Residence	Landfill odor on property	1416	1416			1416	05/08/23	05/04/23
5/7/23?	unknown	Spring Valley Rd., Easton	unknown		no time frame	no time frame	Residence	Odor complaints-submitted to Williams Twp. Odor over the weekend at residence, comes & goes, but no odor at time of call. Smell of rotting fish in garage & car.	1416	1416			1416	05/08/23	05/04/23
06/05/23	6:27	Pine Valley Ter., Easton	1.297				Residence	Landfill associated gaseous smell on my property this morning.						06/09/23	06/09/23
07/21/23	0:17	Pine Valley Ter., Easton	1.297				Residence	I took my dog out at 12:15 AM today and the smell from the landfill made me sick to my stomach, the odor was so strong!						07/24/23	08/01/23
08/18/23	13:05	Waltman Loop Lane	0.943				Residence	Excessive odors from the Chirn landfill. I'm out working in my yard and it's enough to choke a horse!						08/18/23	08/01/23
09/12/23	8:05	Pine Valley Ter., Easton	1.297				Residence	Very strong landfill odor detectable on my property the second I walk outside.						09/12/23	09/29/23
10/18/23	evening	Spring Valley Rd., Easton	0.818				non-residence	calling on behalf of other residents reporting very bad landfill smells on evening of 10/18/23, and all week for the past week, & residents feel that odors are lasting a lot longer than they normally last.						10/19/23	11/16/23
10/29/23	1:00	Merion Ln., Easton	1.744				Residence	Odors from Chirn landfill. Smelled like gas. Also recently getting stronger than normal odors when driving by the landfill.						10/19/23	11/16/23
12/02/23	16:33	Merion Ln., Easton	NA				Drive-by	It smells like gas while driving by the landfill.							

2023	Daily	Total Week	Month Average	Day	Total Month	Total Quarter
October						
1		0.00	0.0		0.0	0.0
2	611.3			1	611.3	611.3
3	681.9		646.6	2	1,293.2	1,293.2
4	598.3		630.5	3	1,891.5	1,891.5
5	535.0		606.6	4	2,426.5	2,426.5
6	626.3		610.6	5	3,052.8	3,052.8
7	74.5		521.2	6	3,127.3	3,127.3
8		3,127.30			3,127.3	3,127.3
9	625.7		536.1	7	3,753.0	3,753.0
10	587.8		542.6	8	4,340.8	4,340.8
11	563.0		544.9	9	4,903.8	4,903.8
12	537.1		544.1	10	5,440.9	5,440.9
13	570.3		546.5	11	6,011.2	6,011.2
14	84.7		508.0	12	6,095.9	6,095.9
15		2,968.60			6,095.9	6,095.9
16	590.6		514.3	13	6,686.5	6,686.5
17	567.5		518.1	14	7,254.0	7,254.0
18	594.6		523.2	15	7,848.6	7,848.6
19	545.9		524.7	16	8,394.5	8,394.5
20	527.1		524.8	17	8,921.6	8,921.6
21	66.6		499.3	18	8,988.2	8,988.2
22		2,892.30			8,988.2	8,988.2
23	582.0		503.7	19	9,570.2	9,570.2
24	632.1		510.1	20	10,202.3	10,202.3
25	502.9		509.8	21	10,705.2	10,705.2
26	510.9		509.8	22	11,216.1	11,216.1
27	480.7		508.6	23	11,696.8	11,696.8
28	74.7		490.5	24	11,771.5	11,771.5
29		2,783.30			11,771.5	11,771.5
30	619.6		495.6	25	12,391.1	12,391.1
31	649.0		501.5	26	13,040.1	13,040.1
Month Total						
13,040.1						

2023	Daily	Total Week	Month Average	Day	Total Month	Total Quarter
November						
1	554.8		554.8	1	554.8	13,594.9
2	523.3		539.1	2	1,078.1	14,118.2
3	509.4		529.2	3	1,587.5	14,627.6
4	100.6		422.0	4	1,688.1	14,728.2
5		2,956.70			1,688.1	14,728.2
6	621.0		461.8	5	2,309.1	15,349.2
7	587.2		482.7	6	2,896.3	15,936.4
8	572.6		495.6	7	3,468.9	16,509.0
9	520.1		498.6	8	3,989.0	17,029.1
10	543.3		503.6	9	4,532.3	17,572.4
11	108.5		464.1	10	4,640.8	17,680.9
12		2,952.70			4,640.8	17,680.9
13	638.9		480.0	11	5,279.7	18,319.8
14	582.6		488.5	12	5,862.3	18,902.4
15	601.6		497.2	13	6,463.9	19,504.0
16	560.3		501.7	14	7,024.2	20,064.3
17	489.1		500.9	15	7,513.3	20,553.4
18	88.7		475.1	16	7,602.0	20,642.1
19		2,961.18			7,602.0	20,642.1
20	587.7		481.7	17	8,189.7	21,229.8
21	536.6		484.8	18	8,726.3	21,766.4
22	551.5		488.3	19	9,277.8	22,317.9
23	0.0	HOLIDAY			9,277.8	22,317.9
24	628.3		495.3	20	9,906.1	22,946.2
25	178.0		480.2	21	10,084.1	23,124.2
26		2,482.09			10,084.1	23,124.2
27	516.8		481.9	22	10,600.9	23,641.0
28	544.7		484.6	23	11,145.6	24,185.7
29	542.4		487.0	24	11,688.0	24,728.1
30	501.2		487.6	25	12,189.2	25,229.3
Month Total						
					12,189.2	

Chrin Brothers Sanitary Landfill 2023 Leachate Flow Summary

Leachate

Reading Date	Month	Reading	Monthly Flow	Gallons Per Day	GPD Per Acre	Quarterly Flows		
						Flow	GPD/Ac	
12/31/2023	DEC	19,492,444	1,957,786					
1/31/2023	JAN	798,604	2,103,354	67,850	643			
2/28/2023	FEB	2,600,852	1,802,248	64,366	610			
3/31/2023	MAR	4,562,869	1,962,017	63,291	599	5,867,619	65,196	617
4/30/2023	APR	5,790,300	1,227,431	40,914	387			
5/31/2023	MAY	7,581,380	1,791,081	57,777	547			
6/30/2023	JUN	8,959,755	1,378,375	45,946	435	4,396,886	48,317	458
7/31/2023	JUL	1,289,415	1,983,672	63,989	606			
8/31/2023	AUG	815,657	1,278,345	41,237	391			
9/30/2023	SEP	2,515,075	1,699,417	56,647	536	4,961,434	53,929	511
10/31/2023	OCT	4,212,890	1,697,815	54,768	519			
11/30/2023	NOV	5,447,091	1,234,202	41,140	390			
12/31/2023	DEC	0	-5,447,091	-175,713	-1,664	-2,515,075	-27,338	-259
Total Yearly Flow			14,668,651	40,188	381			

meter reset

meter reset
meter reset - power

1. There are 105.6 acres of area contributing to the leachate flows, 30 acres of the old unlined landfill and 75.6 acres of lined landfill.
2. Chrin changed flowmeters and the sewer discharge location to MH-2 on April 7, 2014.
3. Meter reset January 2023

Faulch, Amy

From: Joe Klobusicky <jklobusicky@chrin.org>
Sent: Thursday, October 19, 2023 9:47 AM
To: Faulch, Amy
Subject: [External] Re: Odor on Spring Valley Rd.

ATTENTION: This email message is from an external sender. Do not open links or attachments from unknown senders. To report suspicious email, use the [Report Phishing button in Outlook](#).

Hi Amy,
I'm out doing that now.....I spoke with George Washburn this morning.

Joe k

Sent from my Verizon, Samsung Galaxy smartphone
Get [Outlook for Android](#)

From: Faulch, Amy <afaulch@pa.gov>
Sent: Thursday, October 19, 2023 9:22:26 AM
To: Joe Klobusicky <jklobusicky@chrin.org>
Subject: Odor on Spring Valley Rd.

Hi Joe,
We received a call from the Williams Township Board of Supervisors saying they received several complaints this morning about "very bad landfill smells" last night odor, and they also described the odor has been present for the past week and that odors have been lasting longer than normal.

If not already completed, can someone from Chrin please conduct an odor patrol this morning, and let me know the findings? We have no one from DEP available to respond this morning.

Thank you,

Amy E. Faulch | Solid Waste Supervisor
Department of Environmental Protection | Waste Management
Bethlehem District Office
4530 Bath Pike | Bethlehem, PA 18017
Phone: 610.861.2063
www.depweb.state.pa.us

DEP is Going Paperless: To assist DEP in reaching this goal, the NERO Waste Management Program is requesting that ALL documents submitted to the Northeast Regional Office Waste Management Program, with the exception of documents submitted through the ePermitting or OnBase applications, be submitted by email as an attachment to this resource account ra-epwm-nero@pa.gov

Faulch, Amy

From: Joe Klobusicky <jklobusicky@chrin.org>
Sent: Thursday, October 19, 2023 10:41 AM
To: Faulch, Amy; George Washburn; Raymond Abert; Michael Bryant; Melody Ernst
Cc: Gregchrin@aol.com; Tom McMonigle; Charlie R Chrin
Subject: [External] complaint follow-up
Attachments: doc01001320231019093934.pdf

Importance: High

ATTENTION: This email message is from an external sender. Do not open links or attachments from unknown senders. To report suspicious email, use the [Report Phishing button in Outlook](#).

Complaint inspection follow-up:

Onsite

9:30 am - Working face odor noted in the western portion of the landfill on the haul road.
No odor noted outside of that onsite.

Site work – continuing with demolition of the old maintenance building (501 building).
Areas of 3D have been prepped and are ready for capping.

Offsite

9:55 – Arrive at cell tower at the end of Spring Valley Road – (no odor noted on Morgan Hill or Spring Valley Road)
No odor noted at the Cell Tower.....noise from back-up alarms and dump truck tail-gates was noted.
10:10 – leave cell tower – no odor noted at cell tower or on Spring Valley Road upon exiting.
10:30 – back at the landfill

- Our crews were mobilized to check the wellfield and any unusual findings.
- Daily patrol record attached for today and yesterday.

Weather (Morgan Hill Station)

- [Table](#)

October 19, 2023

Time	Temperature	Dew Point	Humidity	Wind	Speed	Gust	Pressure	Precip. Rate.	Precip.
12:04 AM	52.0 °F	0.0 °F	0 %	South	0.0 mph	1.0 mph	30.16 in	0.00 in	0.00 in
12:09 AM	51.9 °F	0.0 °F	0 %	South	0.2 mph	1.0 mph	30.16 in	0.00 in	0.00 in
12:14 AM	52.0 °F	0.0 °F	0 %	SW	0.1 mph	1.0 mph	30.17 in	0.00 in	0.00 in
12:19 AM	52.1 °F	0.0 °F	0 %	WSW	0.1 mph	1.0 mph	30.16 in	0.00 in	0.00 in

Time	Temperature	Dew Point	Humidity	Wind	Speed	Gust	Pressure	Precip. Rate.	Precip.
12:24 AM	52.2 °F	0.0 °F	0 %	WSW	0.2 mph	1.0 mph	30.17 in	0.00 in	0.00 in
12:29 AM	52.3 °F	0.0 °F	0 %	WSW	0.1 mph	1.0 mph	30.17 in	0.00 in	0.00 in
12:34 AM	52.3 °F	0.0 °F	0 %	West	0.2 mph	1.0 mph	30.17 in	0.00 in	0.00 in
12:39 AM	52.2 °F	0.0 °F	0 %	NW	0.3 mph	2.0 mph	30.17 in	0.00 in	0.00 in
12:44 AM	52.2 °F	0.0 °F	0 %	NW	0.3 mph	3.0 mph	30.17 in	0.00 in	0.00 in
12:49 AM	52.3 °F	0.0 °F	0 %	NW	0.1 mph	3.0 mph	30.17 in	0.00 in	0.00 in
12:54 AM	52.4 °F	0.0 °F	0 %	NW	0.4 mph	3.0 mph	30.17 in	0.00 in	0.00 in
12:59 AM	52.4 °F	0.0 °F	0 %	WNW	0.1 mph	3.0 mph	30.17 in	0.00 in	0.00 in
1:04 AM	52.4 °F	0.0 °F	0 %	WNW	0.1 mph	1.1 mph	30.17 in	0.00 in	0.00 in
1:09 AM	52.3 °F	0.0 °F	0 %	WNW	0.0 mph	1.0 mph	30.17 in	0.00 in	0.00 in
1:14 AM	52.0 °F	0.0 °F	0 %	WNW	0.1 mph	1.0 mph	30.17 in	0.00 in	0.00 in
1:19 AM	51.7 °F	0.0 °F	0 %	WNW	0.0 mph	1.0 mph	30.17 in	0.00 in	0.00 in
1:24 AM	51.3 °F	0.0 °F	0 %	WNW	0.0 mph	1.0 mph	30.17 in	0.00 in	0.00 in
1:29 AM	51.0 °F	0.0 °F	0 %	WNW	0.0 mph	1.0 mph	30.17 in	0.00 in	0.00 in
1:34 AM	50.7 °F	0.0 °F	0 %	WNW	0.0 mph	0.6 mph	30.17 in	0.00 in	0.00 in
1:39 AM	50.5 °F	0.0 °F	0 %	WSW	0.1 mph	1.6 mph	30.17 in	0.00 in	0.00 in
1:44 AM	50.5 °F	0.0 °F	0 %	WSW	0.0 mph	2.0 mph	30.17 in	0.00 in	0.00 in
1:49 AM	50.4 °F	0.0 °F	0 %	WSW	0.0 mph	2.0 mph	30.17 in	0.00 in	0.00 in
1:54 AM	50.3 °F	0.0 °F	0 %	WSW	0.0 mph	2.0 mph	30.17 in	0.00 in	0.00 in
1:59 AM	50.2 °F	0.0 °F	0 %	WSW	0.0 mph	2.0 mph	30.17 in	0.00 in	0.00 in
2:04 AM	50.1 °F	0.0 °F	0 %	WSW	0.0 mph	0.1 mph	30.17 in	0.00 in	0.00 in
2:09 AM	50.0 °F	0.0 °F	0 %	WSW	0.1 mph	0.1 mph	30.17 in	0.00 in	0.00 in
2:14 AM	49.8 °F	0.0 °F	0 %	WSW	0.2 mph	1.0 mph	30.17 in	0.00 in	0.00 in
2:19 AM	49.6 °F	0.0 °F	0 %	WSW	0.0 mph	1.0 mph	30.17 in	0.00 in	0.00 in

Time	Temperature	Dew Point	Humidity	Wind	Speed	Gust	Pressure	Precip. Rate.	Precip.
2:24 AM	49.4 °F	0.0 °F	0 %	WSW	0.0 mph	1.0 mph	30.17 in	0.00 in	0.00 in
2:29 AM	49.3 °F	0.0 °F	0 %	WSW	0.0 mph	1.0 mph	30.17 in	0.00 in	0.00 in
2:34 AM	49.2 °F	0.0 °F	0 %	WSW	0.0 mph	0.0 mph	30.17 in	0.00 in	0.00 in
2:39 AM	49.0 °F	0.0 °F	0 %	WSW	0.0 mph	0.0 mph	30.17 in	0.00 in	0.00 in
2:44 AM	48.8 °F	0.0 °F	0 %	WSW	0.0 mph	0.0 mph	30.17 in	0.00 in	0.00 in
2:49 AM	48.7 °F	0.0 °F	0 %	WSW	0.0 mph	0.0 mph	30.17 in	0.00 in	0.00 in
2:54 AM	48.6 °F	0.0 °F	0 %	WSW	0.0 mph	0.0 mph	30.17 in	0.00 in	0.00 in
2:59 AM	48.4 °F	0.0 °F	0 %	WSW	0.0 mph	0.0 mph	30.17 in	0.00 in	0.00 in
3:04 AM	48.3 °F	0.0 °F	0 %	WSW	0.0 mph	0.0 mph	30.17 in	0.00 in	0.00 in
3:09 AM	48.0 °F	0.0 °F	0 %	WSW	0.4 mph	0.8 mph	30.17 in	0.00 in	0.00 in
3:14 AM	47.9 °F	0.0 °F	0 %	WSW	0.4 mph	2.0 mph	30.16 in	0.00 in	0.00 in
3:19 AM	47.9 °F	0.0 °F	0 %	WSW	0.0 mph	2.0 mph	30.16 in	0.00 in	0.00 in
3:24 AM	47.8 °F	0.0 °F	0 %	WSW	0.0 mph	2.0 mph	30.16 in	0.00 in	0.00 in
3:29 AM	47.6 °F	0.0 °F	0 %	WSW	0.8 mph	2.0 mph	30.16 in	0.00 in	0.00 in
3:34 AM	47.4 °F	0.0 °F	0 %	SSW	0.7 mph	1.1 mph	30.16 in	0.00 in	0.00 in
3:39 AM	47.5 °F	0.0 °F	0 %	SSW	0.0 mph	1.0 mph	30.16 in	0.00 in	0.00 in
3:44 AM	47.4 °F	0.0 °F	0 %	SSW	0.0 mph	1.0 mph	30.16 in	0.00 in	0.00 in
3:49 AM	47.2 °F	0.0 °F	0 %	SSW	0.0 mph	1.0 mph	30.16 in	0.00 in	0.00 in
3:54 AM	47.3 °F	0.0 °F	0 %	SSW	0.7 mph	1.2 mph	30.16 in	0.00 in	0.00 in
3:59 AM	47.3 °F	0.0 °F	0 %	SSW	0.9 mph	2.0 mph	30.16 in	0.00 in	0.00 in
4:04 AM	47.0 °F	0.0 °F	0 %	SSW	1.0 mph	1.7 mph	30.16 in	0.00 in	0.00 in
4:09 AM	46.7 °F	0.0 °F	0 %	SSW	0.5 mph	2.0 mph	30.16 in	0.00 in	0.00 in
4:14 AM	46.5 °F	0.0 °F	0 %	SSW	0.8 mph	2.0 mph	30.16 in	0.00 in	0.00 in
4:19 AM	46.5 °F	0.0 °F	0 %	SSW	1.0 mph	2.0 mph	30.16 in	0.00 in	0.00 in

Time	Temperature	Dew Point	Humidity	Wind	Speed	Gust	Pressure	Precip. Rate.	Precip.
4:24 AM	46.5 °F	0.0 °F	0 %	South	1.0 mph	2.0 mph	30.16 in	0.00 in	0.00 in
4:29 AM	46.5 °F	0.0 °F	0 %	SSE	1.0 mph	2.0 mph	30.16 in	0.00 in	0.00 in
4:34 AM	46.4 °F	0.0 °F	0 %	SSE	0.5 mph	1.0 mph	30.16 in	0.00 in	0.00 in
4:39 AM	46.4 °F	0.0 °F	0 %	SSE	1.0 mph	1.7 mph	30.16 in	0.00 in	0.00 in
4:44 AM	46.3 °F	0.0 °F	0 %	South	0.9 mph	2.0 mph	30.16 in	0.00 in	0.00 in
4:49 AM	46.1 °F	0.0 °F	0 %	South	0.6 mph	2.0 mph	30.16 in	0.00 in	0.00 in
4:54 AM	45.9 °F	0.0 °F	0 %	South	0.1 mph	2.0 mph	30.17 in	0.00 in	0.00 in
4:59 AM	45.9 °F	0.0 °F	0 %	South	0.1 mph	2.0 mph	30.17 in	0.00 in	0.00 in
5:04 AM	46.2 °F	0.0 °F	0 %	South	0.3 mph	0.8 mph	30.17 in	0.00 in	0.00 in
5:09 AM	46.5 °F	0.0 °F	0 %	South	0.2 mph	2.0 mph	30.17 in	0.00 in	0.00 in
5:14 AM	46.5 °F	0.0 °F	0 %	South	0.0 mph	2.0 mph	30.17 in	0.00 in	0.00 in
5:19 AM	46.4 °F	0.0 °F	0 %	South	0.0 mph	2.0 mph	30.17 in	0.00 in	0.00 in
5:24 AM	46.3 °F	0.0 °F	0 %	South	0.0 mph	2.0 mph	30.17 in	0.00 in	0.00 in
5:29 AM	46.1 °F	0.0 °F	0 %	South	0.0 mph	2.0 mph	30.17 in	0.00 in	0.00 in
5:34 AM	46.0 °F	0.0 °F	0 %	South	0.0 mph	0.1 mph	30.17 in	0.00 in	0.00 in
5:39 AM	45.9 °F	0.0 °F	0 %	South	0.0 mph	0.0 mph	30.17 in	0.00 in	0.00 in
5:44 AM	45.8 °F	0.0 °F	0 %	South	0.0 mph	0.0 mph	30.17 in	0.00 in	0.00 in
5:49 AM	45.7 °F	0.0 °F	0 %	South	0.1 mph	0.2 mph	30.18 in	0.00 in	0.00 in
5:54 AM	45.3 °F	0.0 °F	0 %	South	0.5 mph	1.0 mph	30.18 in	0.00 in	0.00 in
5:59 AM	44.8 °F	0.0 °F	0 %	South	1.0 mph	1.2 mph	30.18 in	0.00 in	0.00 in
6:04 AM	44.5 °F	0.0 °F	0 %	South	0.3 mph	1.2 mph	30.18 in	0.00 in	0.00 in
6:09 AM	44.1 °F	0.0 °F	0 %	South	0.0 mph	2.0 mph	30.18 in	0.00 in	0.00 in
6:14 AM	44.0 °F	0.0 °F	0 %	South	0.0 mph	2.0 mph	30.18 in	0.00 in	0.00 in
6:19 AM	43.8 °F	0.0 °F	0 %	South	0.7 mph	2.0 mph	30.18 in	0.00 in	0.00 in

Time	Temperature	Dew Point	Humidity	Wind	Speed	Gust	Pressure	Precip. Rate.	Precip.
6:24 AM	43.5 °F	0.0 °F	0 %	SSE	0.8 mph	2.0 mph	30.18 in	0.00 in	0.00 in
6:29 AM	43.0 °F	0.0 °F	0 %	SSE	0.7 mph	2.0 mph	30.18 in	0.00 in	0.00 in
6:34 AM	42.6 °F	0.0 °F	0 %	SSE	1.0 mph	1.5 mph	30.18 in	0.00 in	0.00 in
6:39 AM	42.1 °F	0.0 °F	0 %	SSE	0.9 mph	2.0 mph	30.18 in	0.00 in	0.00 in
6:44 AM	41.9 °F	0.0 °F	0 %	SSE	0.5 mph	2.0 mph	30.18 in	0.00 in	0.00 in
6:49 AM	41.9 °F	0.0 °F	0 %	SSE	0.0 mph	2.0 mph	30.18 in	0.00 in	0.00 in
6:54 AM	42.4 °F	0.0 °F	0 %	SSE	0.0 mph	2.0 mph	30.18 in	0.01 in	0.01 in
6:59 AM	42.9 °F	0.0 °F	0 %	SSE	0.0 mph	2.0 mph	30.18 in	0.01 in	0.01 in
7:04 AM	43.1 °F	0.0 °F	0 %	SSE	0.0 mph	0.1 mph	30.18 in	0.01 in	0.01 in
7:09 AM	43.5 °F	0.0 °F	0 %	SSE	0.0 mph	0.0 mph	30.18 in	0.01 in	0.01 in
7:14 AM	43.8 °F	0.0 °F	0 %	SSE	0.0 mph	0.0 mph	30.18 in	0.01 in	0.01 in
7:19 AM	43.8 °F	0.0 °F	0 %	SSE	0.0 mph	0.0 mph	30.18 in	0.01 in	0.01 in
7:24 AM	43.7 °F	0.0 °F	0 %	SSE	0.0 mph	0.0 mph	30.18 in	0.01 in	0.01 in
7:29 AM	43.6 °F	0.0 °F	0 %	SSE	0.0 mph	0.0 mph	30.18 in	0.01 in	0.01 in
7:34 AM	43.5 °F	0.0 °F	0 %	SSE	0.0 mph	0.0 mph	30.18 in	0.01 in	0.01 in
7:39 AM	43.2 °F	0.0 °F	0 %	SSE	0.0 mph	0.0 mph	30.18 in	0.01 in	0.01 in
7:44 AM	42.9 °F	0.0 °F	0 %	SSE	1.0 mph	1.4 mph	30.18 in	0.01 in	0.01 in
7:49 AM	42.5 °F	0.0 °F	0 %	SSE	1.3 mph	2.0 mph	30.18 in	0.01 in	0.01 in
7:54 AM	41.9 °F	0.0 °F	0 %	SSE	1.0 mph	2.0 mph	30.18 in	0.01 in	0.01 in
7:59 AM	41.7 °F	0.0 °F	0 %	SSE	1.0 mph	2.0 mph	30.18 in	0.01 in	0.01 in
8:04 AM	41.6 °F	0.0 °F	0 %	SSE	1.0 mph	1.8 mph	30.18 in	0.01 in	0.01 in
8:09 AM	41.7 °F	0.0 °F	0 %	SSE	0.8 mph	2.0 mph	30.19 in	0.00 in	0.01 in
8:14 AM	42.1 °F	0.0 °F	0 %	SSE	0.0 mph	2.0 mph	30.19 in	0.00 in	0.01 in
8:19 AM	42.9 °F	0.0 °F	0 %	SSE	0.0 mph	2.0 mph	30.19 in	0.00 in	0.01 in

Time	Temperature	Dew Point	Humidity	Wind	Speed	Gust	Pressure	Precip. Rate.	Precip.
8:24 AM	43.3 °F	0.0 °F	0 %	SSE	0.7 mph	2.0 mph	30.19 in	0.00 in	0.01 in
8:29 AM	43.4 °F	0.0 °F	0 %	SSE	0.7 mph	2.0 mph	30.19 in	0.00 in	0.01 in
8:34 AM	43.7 °F	0.0 °F	0 %	SSE	0.5 mph	0.9 mph	30.19 in	0.00 in	0.01 in
8:39 AM	44.1 °F	0.0 °F	0 %	SSE	0.1 mph	1.0 mph	30.19 in	0.00 in	0.01 in
8:44 AM	44.6 °F	0.0 °F	0 %	SSE	0.2 mph	1.0 mph	30.19 in	0.00 in	0.01 in
8:49 AM	45.1 °F	0.0 °F	0 %	SSE	0.0 mph	1.0 mph	30.19 in	0.00 in	0.01 in
8:54 AM	45.7 °F	0.0 °F	0 %	SSE	0.0 mph	1.0 mph	30.19 in	0.00 in	0.01 in
8:59 AM	46.4 °F	0.0 °F	0 %	SSE	0.0 mph	1.0 mph	30.19 in	0.00 in	0.01 in
9:04 AM	47.0 °F	0.0 °F	0 %	SSE	0.5 mph	1.8 mph	30.19 in	0.00 in	0.01 in
9:09 AM	47.0 °F	0.0 °F	0 %	SSE	0.7 mph	2.0 mph	30.19 in	0.00 in	0.01 in
9:14 AM	46.9 °F	0.0 °F	0 %	SSE	1.0 mph	2.0 mph	30.19 in	0.00 in	0.01 in
9:19 AM	47.0 °F	0.0 °F	0 %	SSE	0.8 mph	2.0 mph	30.19 in	0.00 in	0.01 in
9:24 AM	47.2 °F	0.0 °F	0 %	SSE	0.6 mph	2.0 mph	30.19 in	0.00 in	0.01 in
9:29 AM	47.6 °F	0.0 °F	0 %	SSE	0.1 mph	2.0 mph	30.19 in	0.00 in	0.01 in
9:34 AM	47.8 °F	0.0 °F	0 %	SSE	0.3 mph	1.1 mph	30.19 in	0.00 in	0.01 in
9:39 AM	48.0 °F	0.0 °F	0 %	SSE	0.2 mph	1.6 mph	30.19 in	0.00 in	0.01 in
9:44 AM	48.1 °F	0.0 °F	0 %	SSE	0.2 mph	2.0 mph	30.19 in	0.00 in	0.01 in
9:49 AM	48.2 °F	0.0 °F	0 %	SSE	0.6 mph	2.0 mph	30.19 in	0.00 in	0.01 in
9:54 AM	48.2 °F	0.0 °F	0 %	SSE	0.1 mph	2.0 mph	30.19 in	0.00 in	0.01 in
9:59 AM	48.3 °F	0.0 °F	0 %	SSE	0.0 mph	2.0 mph	30.19 in	0.00 in	0.01 in
10:04 AM	48.5 °F	0.0 °F	0 %	SSE	0.1 mph	0.4 mph	30.19 in	0.00 in	0.01 in
10:09 AM	48.7 °F	0.0 °F	0 %	SSE	0.1 mph	1.0 mph	30.19 in	0.00 in	0.01 in
10:13 AM	48.9 °F	0.0 °F	0 %	SSE	0.1 mph	1.0 mph	30.19 in	0.00 in	0.01 in

Nuisance Inspection Log



Rev 9

Date: 10-19-2023

CHRIN BROTHERS, INC.

Initials: AW Time: _____

Start	6:00 Hrs	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
End	7:30 Hrs																			

Temperature: 41 °F Barometer: 30.16 Wind: NE @ 0-2 MPH Humidity: 90 %

Current Sky Condition: -FOG- *Comments / Notes: NO OFFSITE LAUNCH

RELATED ODOR/NUISANCES NOTED

Initials: AW Time: _____

Start	9:30 Hrs	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
End	10:30 Hrs																			

Temperature: 49 °F Barometer: 30.18 Wind: SSW @ 0-1 MPH Humidity: - %

Current Sky Condition: -FOG- *Comments / Notes: WALKING FANS OODR NOTED

IN "NARROWS" (HAWK LAAD) - EASTERN END OF UT: NO OFFSITE

ODOR NOTED. 2PT. ATTN CHSD.

Initials: _____ Time: _____

Start	_____ Hrs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
End	_____ Hrs																			

Temperature: _____ °F Barometer: _____ Wind: _____ @ _____ MPH Humidity: _____ %

Current Sky Condition: _____ *Comments / Notes: _____

Initials: _____ Time: _____

Start	_____ Hrs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
End	_____ Hrs																			

Temperature: _____ °F Barometer: _____ Wind: _____ @ _____ MPH Humidity: _____ %

Current Sky Condition: _____ *Comments / Notes: _____

Note: If further detail is needed under the Comments/Notes section, please use Nuisance Response Detail Log.



Nuisance Inspection Log

Rev 9

Date: 10-18-2023

CHRIN BROTHERS, INC.

Initials: [Signature] Time: _____
Start 6:00 Hrs
End 7:25 Hrs
Temperature: 49 °F Barometer: 30.16 Wind: NW @ 0-1 MPH Humidity: 88 %
Current Sky Condition: clear *Comments / Notes: No off-site landfill
RESISTO ODOR/NUISANCES NOTED.

Initials: TCM Time: _____
Start 1:00 Hrs
End 1:40 Hrs
Temperature: 63 °F Barometer: 30.14 Wind: W @ 4 MPH Humidity: 51 %
Current Sky Condition: Partly Cloudy *Comments / Notes: No off-site landfill
odors or nuisances were found.

Initials: _____ Time: _____
Start _____ Hrs
End _____ Hrs
Temperature: _____ °F Barometer: _____ Wind: _____ @ _____ MPH Humidity: _____ %
Current Sky Condition: _____ *Comments / Notes: _____

Initials: _____ Time: _____
Start _____ Hrs
End _____ Hrs
Temperature: _____ °F Barometer: _____ Wind: _____ @ _____ MPH Humidity: _____ %
Current Sky Condition: _____ *Comments / Notes: _____

Note: If further detail is needed under the Comments/Notes section, please use Nuisance Response Detail Log.

Faulch, Amy

From: Joe Klobusicky <jklobusicky@chrin.org>
Sent: Thursday, October 19, 2023 11:05 AM
To: Faulch, Amy; George Washburn; Melody Ernst; Raymond Abert; Michael Bryant
Subject: [External] FW: complaints

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FYI – additional follow-up today....

From: Justin Souders <jsouders@chrin.org>
Sent: Thursday, October 19, 2023 11:02 AM
To: Joe Klobusicky <jklobusicky@chrin.org>; Tom McMonigle <tmcmonigle@chrin.org>; Charlie R Chrin <charliec@chrin.org>; Willy Schneebeil <willys@chrin.org>
Cc: Gregchrin@aol.com
Subject: Re: complaints

Joe,

I took the surface monitoring device out this morning around the perimeter of the landfill and the only elevated readings I picked up were near the working face/active dumping area. I have been checking the wellfield daily to make sure everything is functioning properly and that nothing is disconnected/broken. I know Herc has been working on getting some of the disconnected wells hooked back into the system which should help with the odors as well as the gas concentrations/flow at Flare 3. I will open up some wells today to try and combat the odors and will continue monitoring the field for any possible disconnects/breaks.

Thanks,
Justin

Faulch, Amy

From: Joe Klobusicky <jklobusicky@chrin.org>
Sent: Monday, November 6, 2023 7:51 AM
To: Bellas, Roger; Faulch, Amy; Glogowski, Matthew; Melody Ernst
Subject: [External] Capping
Attachments: 20231106_071459.jpg

ATTENTION: *This email message is from an external sender. Do not open links or attachments from unknown senders. To report suspicious email, use the [Report Phishing button in Outlook](#).*

Good morning,

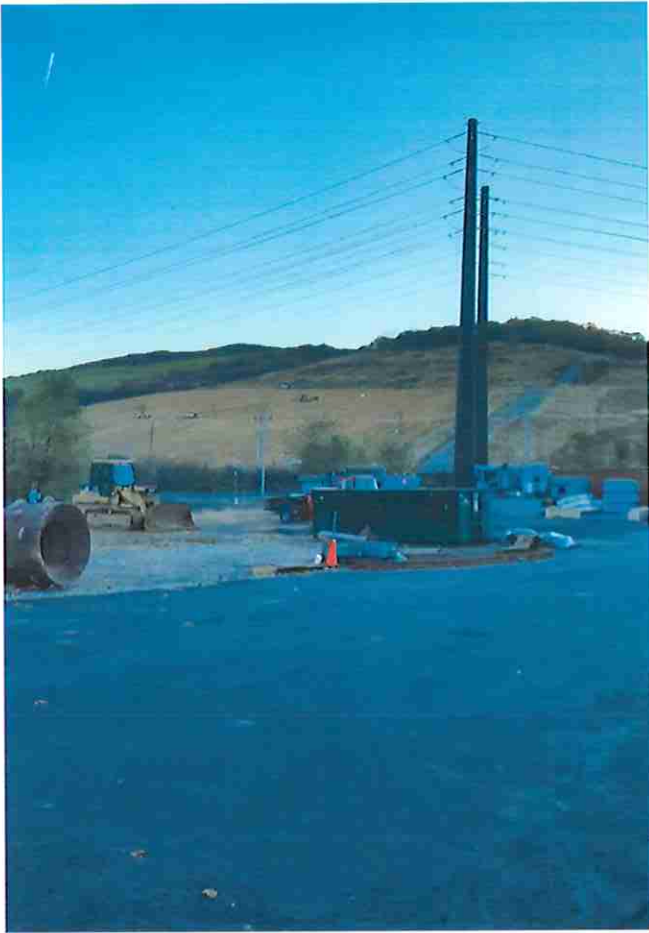
We are starting capping on benches for cell 3D today. The crew will be on-site around 8:00 am.

Sincerely,

Joe Klobusicky

Sent from my Verizon, Samsung Galaxy smartphone

Get [Outlook for Android](#)



Faulch, Amy

From: Joe Klobusicky <jklobusicky@chrin.org>
Sent: Wednesday, November 8, 2023 7:17 AM
To: Bellas, Roger; Faulch, Amy; Glogowski, Matthew; Melody Ernst
Subject: [External] RE: Capping
Attachments: 20231108_065507.jpg; 20231108_065352.jpg

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Attached are update photos.....

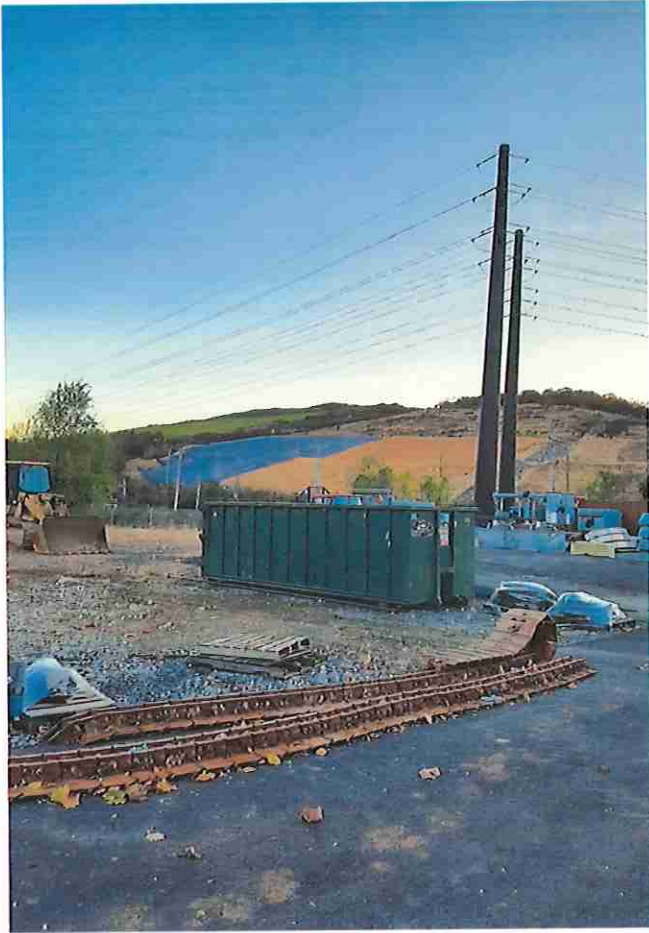
From: Joe Klobusicky
Sent: Monday, November 6, 2023 7:51 AM
To: Bellas, Roger <rbellas@pa.gov>; Faulch, Amy <afaulch@pa.gov>; Glogowski, Matthew <mglogowski@pa.gov>; Melody Ernst <mernst@williamstwp.org>
Subject: Capping

Good morning,
We are starting capping on benches for cell 3D today. The crew will be on-site around 8:00 am.

Sincerely,

Joe Klobusicky

Sent from my Verizon, Samsung Galaxy smartphone
Get [Outlook for Android](#)



Faulch, Amy

From: Joe Klobusicky <jklobusicky@chrin.org>
Sent: Monday, November 13, 2023 10:30 AM
To: Glogowski, Matthew; Faulch, Amy; Melody Ernst
Subject: [External] capping update
Attachments: 20231113_071821.jpg; 20231113_072444.jpg

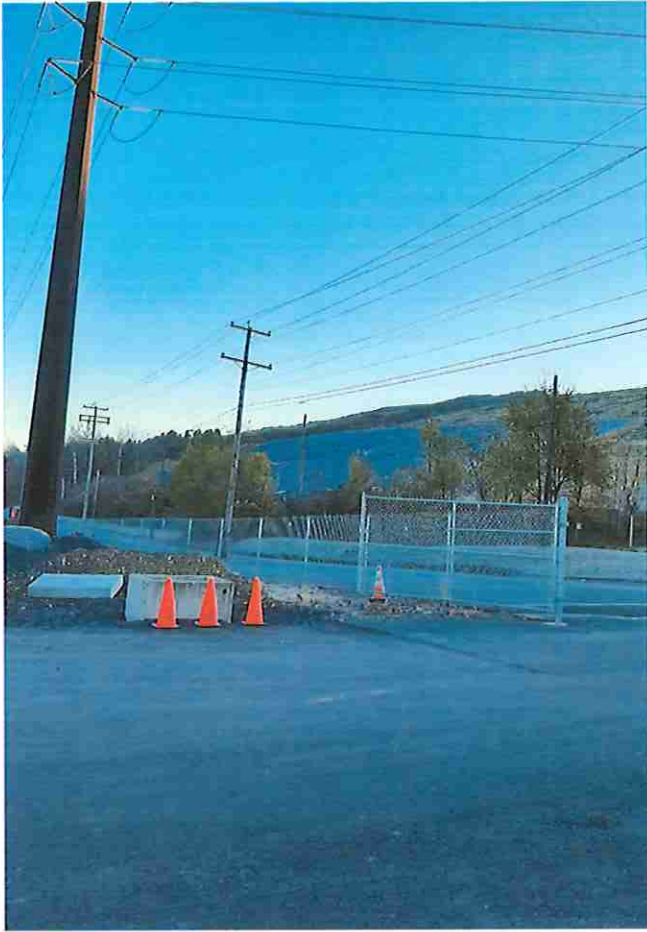
ATTENTION: This email message is from an external sender. Do not open links or attachments from unknown senders. To report suspicious email, use the [Report Phishing button in Outlook](#).

Hello,
The cap is all installed. Just finishing work at this point.

Joe k

From: Joe Klobusicky <jklobusicky@chrin.org>
Sent: Monday, November 13, 2023 10:27 AM
To: Joe Klobusicky <jklobusicky@chrin.org>
Subject:

Sent from my Verizon, Samsung Galaxy smartphone
Get [Outlook for Android](#)



Faulch, Amy

From: Faulch, Amy
Sent: Thursday, November 16, 2023 2:37 PM
To: Joe Klobusicky
Subject: RE: [External] inspection today
Attachments: PADEP Inspection Chrin Landfill 11 16 2023.pdf; [External] inspection today

Yes, these are the general areas that we were getting some odors and higher readings, although there were also some higher readings detected in some other areas detailed in Robert's SEM log sheet.

Also, I just saw your email about the anchor trench, attached. Thank you, that is good to know when describing this area.

Thank you Joe!

Amy E. Faulch | Solid Waste Supervisor
Department of Environmental Protection | Waste Management
Bethlehem District Office
4530 Bath Pike | Bethlehem, PA 18017
Phone: 610.861.2063
www.depweb.state.pa.us

DEP is Going Paperless: To assist DEP in reaching this goal, the NERO Waste Management Program is requesting that **ALL documents** submitted to the Northeast Regional Office Waste Management Program, with the exception of documents submitted through the ePermitting or OnBase applications, be submitted by email as an attachment to this resource account ra-epwm-nero@pa.gov

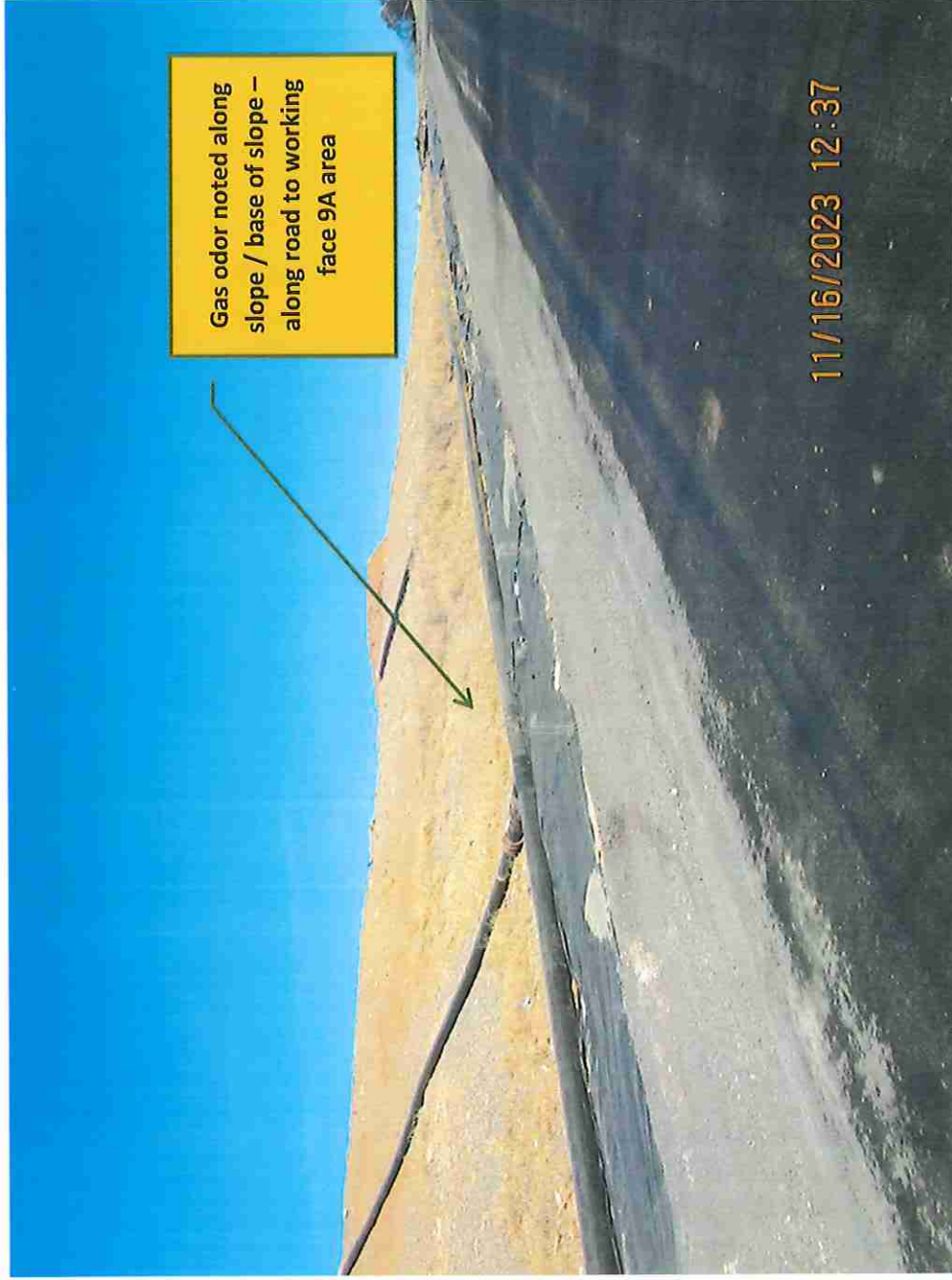
From: Joe Klobusicky <jklobusicky@chrin.org>
Sent: Thursday, November 16, 2023 12:34 PM
To: Faulch, Amy <afaulch@pa.gov>
Subject: [External] inspection today

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Hi Amy,
Do these look accurate?

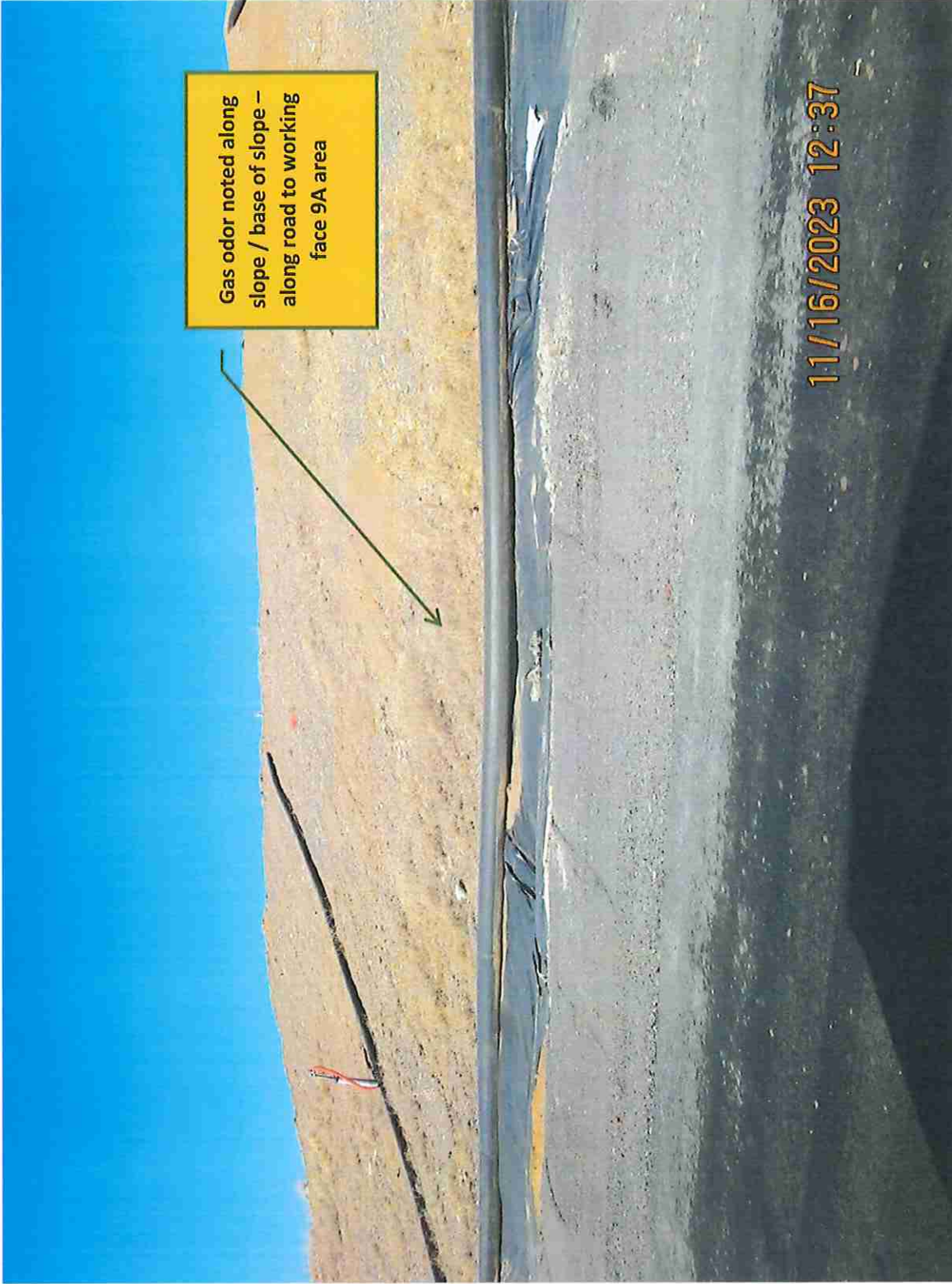
Joe k

Chrin Landfill – Thursday, November 16, 2023 – PADEP Solid Waste Inspection and AQ Surface Monitoring



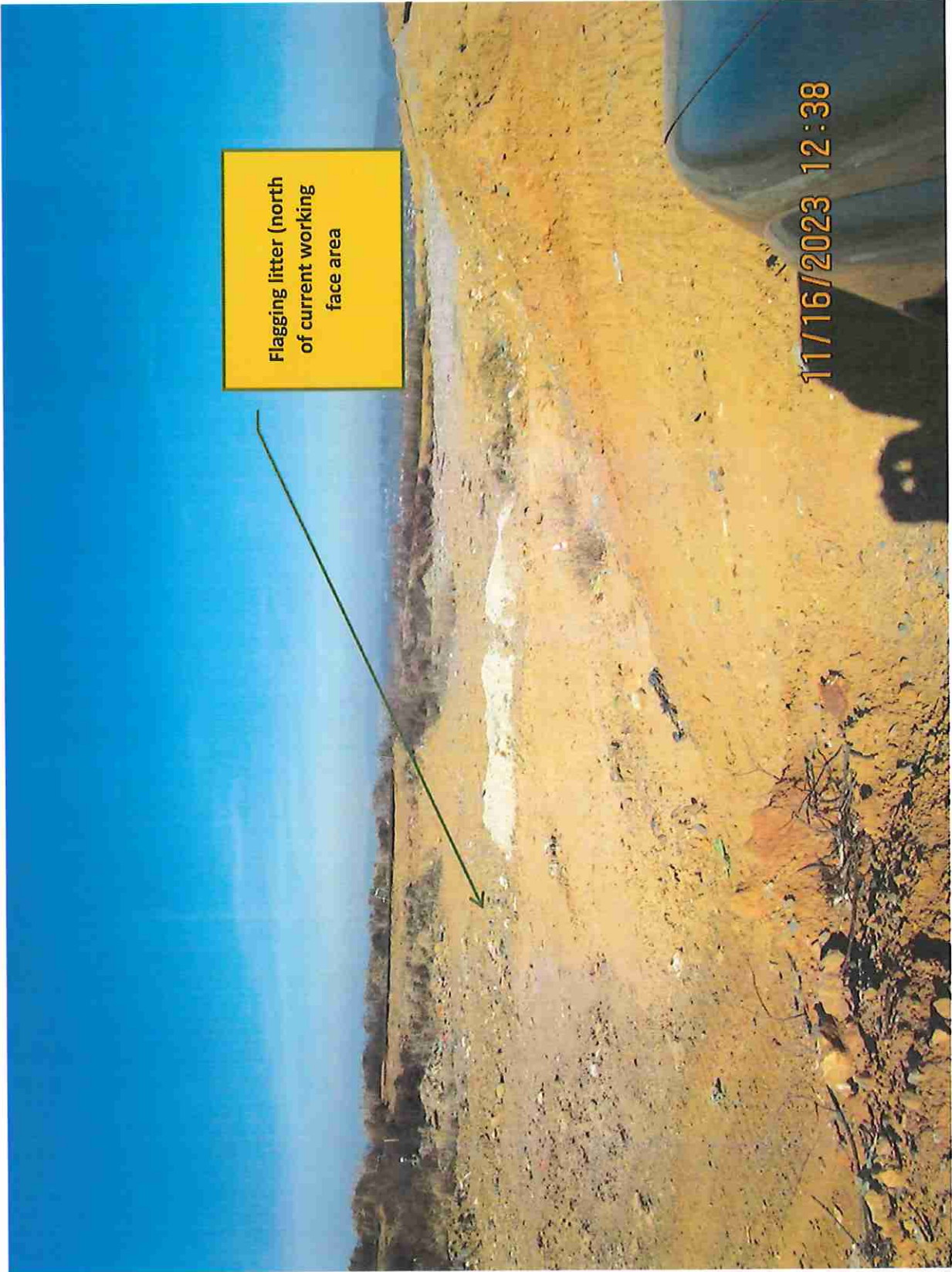
Gas odor noted along
slope / base of slope --
along road to working
face 9A area

11/16/2023 12:37



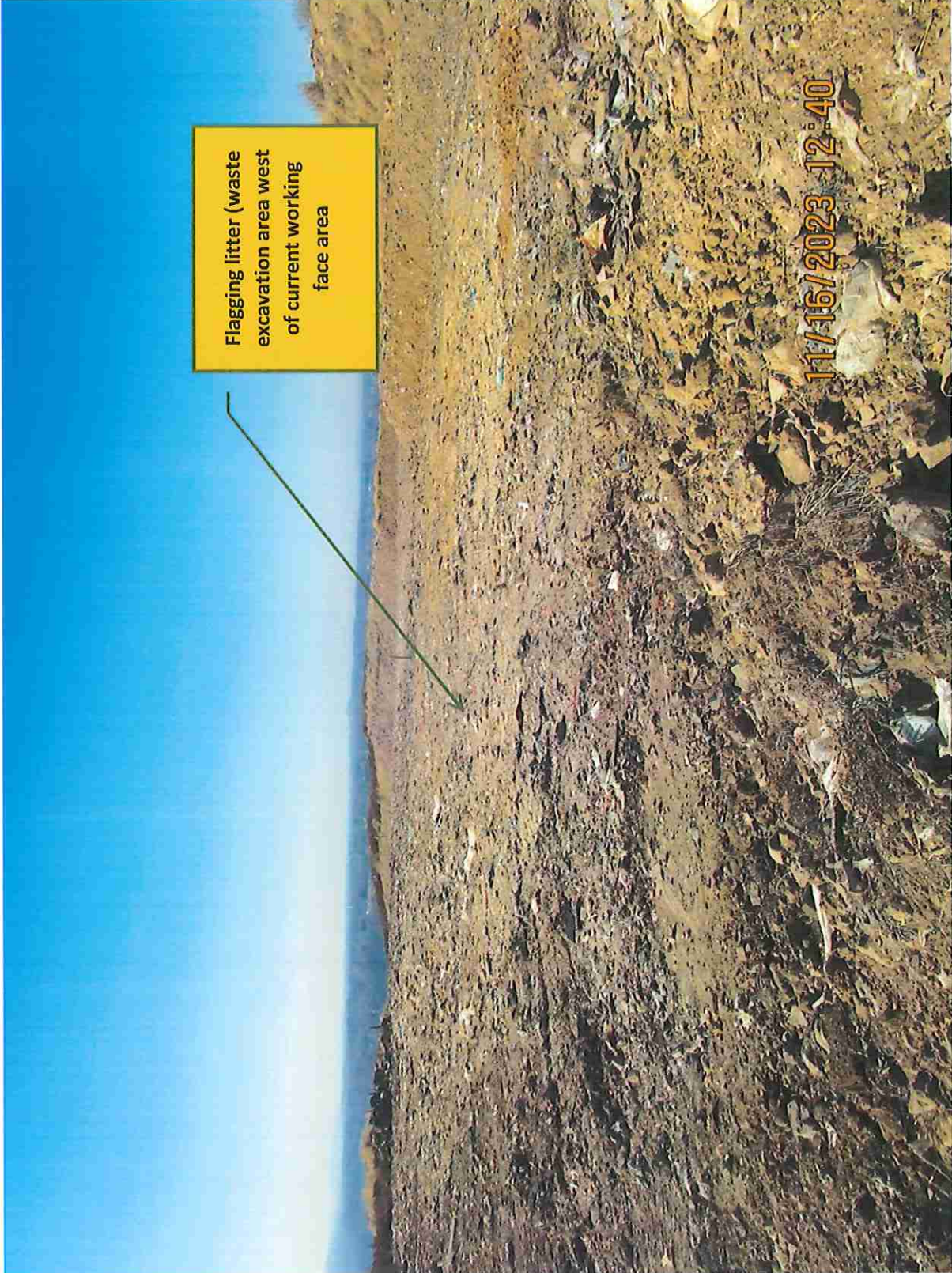
Flagging litter (north
of current working
face area

11/16/2023 12:38



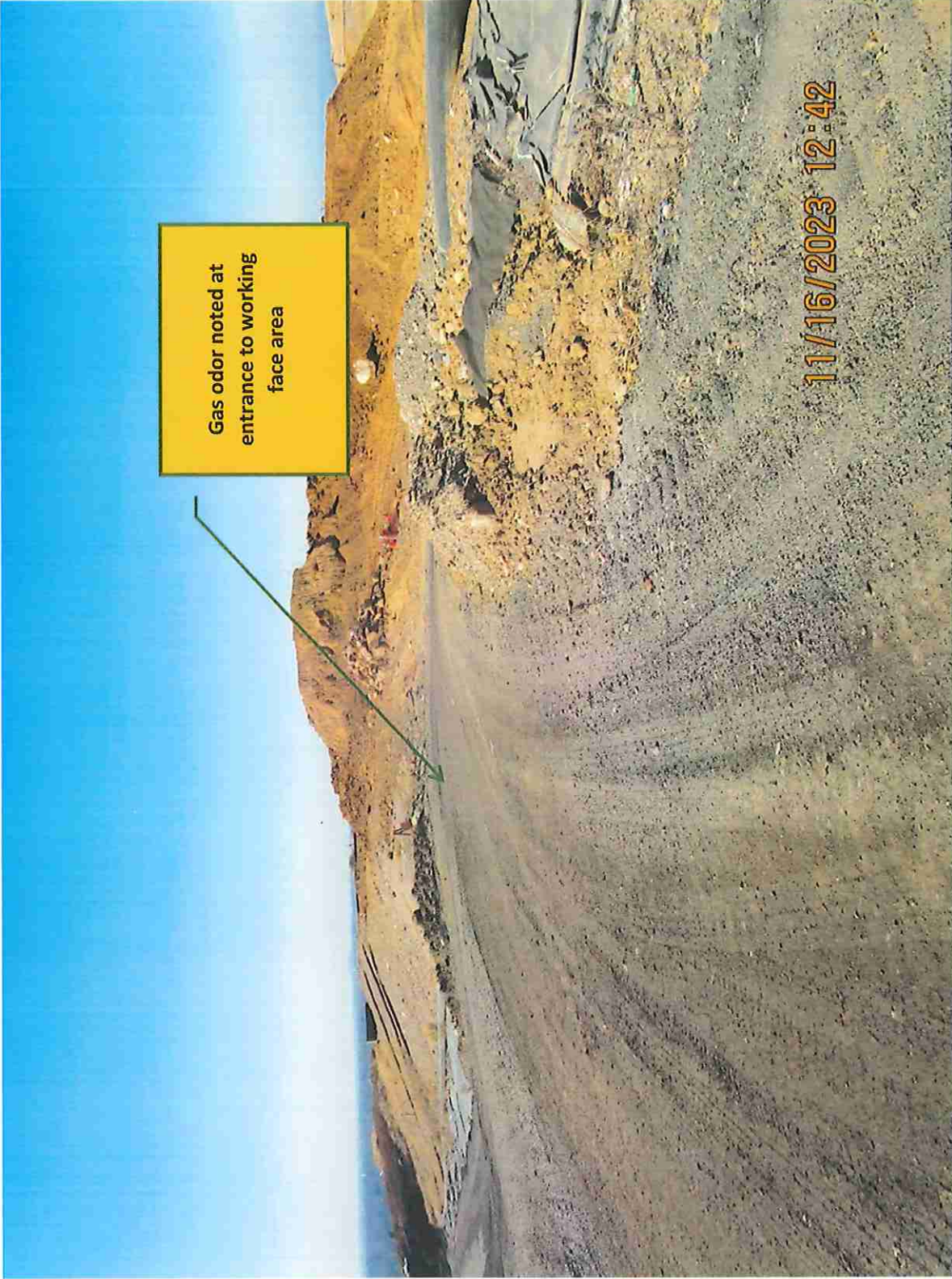
Flagging litter (waste
excavation area west
of current working
face area

11/16/2023 12:40



Gas odor noted at
entrance to working
face area

11/16/2023 12:42



Faulch, Amy

From: Joe Klobusicky <jklobusicky@chrin.org>
Sent: Thursday, November 16, 2023 2:33 PM
To: Faulch, Amy
Subject: [External] inpsection today

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Hi Amy,
The "temp cap" you were referring to was the excess liner from the 9A anchor trench.....

Joe k

Faulch, Amy

From: Joe Klobusicky <jklobusicky@chrin.org>
Sent: Wednesday, November 29, 2023 1:33 PM
To: Mullin, Robert
Cc: Faulch, Amy
Subject: [External] FW: November 16 DEP Inspection Follow Up
Attachments: November 2023 DEP Inspection Exceedance Sheet.xlsx

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Robert,
Hello,
Here is a follow-up from the November 16th inspection / field monitoring.

Sincerely,

Joe Klobusicky

From: Justin Souders <jsouders@chrin.org>
Sent: Wednesday, November 29, 2023 8:43 AM
To: Joe Klobusicky <jklobusicky@chrin.org>
Subject: November 16 DEP Inspection Follow Up

Joe,

There were no exceedances recorded when I did the 10-day follow-ups from the DEP Inspection a couple of weeks back. They were completed on November 22. I attached the Exceedance Sheet to this email and will provide an update when the 30-day follow-ups are completed.

Thanks,
Justin

Faulch, Amy

From: Joe Klobusicky <jklobusicky@chrin.org>
Sent: Friday, December 1, 2023 9:22 AM
To: Faulch, Amy
Subject: RE: [External] Chrin Nolvember 2023 Site Reports

Hi Amy,

Our electricians may have disconnected an antenna to the SCADA without knowing, causing some issues.

Also – we had some offsite gas odor this morningarea Morvale Road...western end of landfill. We have located a broken flex hose under the temp tarp and are currently repairing that. We are also going over the entire gas field for any additional issues.

Joe k

From: Faulch, Amy <afaulch@pa.gov>
Sent: Friday, December 1, 2023 8:47 AM
To: Joe Klobusicky <jklobusicky@chrin.org>
Subject: RE: [External] Chrin Nolvember 2023 Site Reports

Thank you Joe!

Amy E. Faulch | Solid Waste Supervisor
Department of Environmental Protection | Waste Management
Bethlehem District Office
4530 Bath Pike | Bethlehem, PA 18017
Phone: 610.861.2063
www.depweb.state.pa.us

DEP is Going Paperless: To assist DEP in reaching this goal, the NERO Waste Management Program is requesting that **ALL documents** submitted to the Northeast Regional Office Waste Management Program, with the exception of documents submitted through the ePermitting or OnBase applications, be submitted by email as an attachment to this resource account ra-epwm-nero@pa.gov

From: Joe Klobusicky <jklobusicky@chrin.org>
Sent: Friday, December 1, 2023 8:35 AM
To: Faulch, Amy <afaulch@pa.gov>
Subject: [External] Chrin Nolvember 2023 Site Reports

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Amy,
Hello,

Attached please find the following November 2023 reports:

- Tonnage Report
- Overweight Report

- Leachate Report
- Radiation Report
- Flare / EPP Reports – the scada system was down for the last two days...indicating zeros on the report. Reading were taken in the field and also the circle chart at the flare.
- Odorous Load Log

Please let me know if you have any questions. Thank you.

Sincerely,

Joe Klobusicky
1225 Industrial Drive
Easton, PA 18042
Phone: 610-258-8737 ext. 34
Cell: 484-221-4626

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jklobusicky@chrin.org

Williams Township: Melody Ernst

mernst@williamstwp.org