

## Municipal Waste Landfill Inspection Report

<b>Permit Number</b>	100022	<b>EPA ID Number</b>	----
<b>Facility Name</b>	CHRIN BROS SANI LDFL	<b>Operator Name</b>	CHRIN BROS INC
<b>Address</b>	1225 INDUSTRIAL DR	<b>Address</b>	1225 INDUSTRIAL DR
<b>City/State/Zip</b>	EASTON PA 18042-6829	<b>City/State/Zip</b>	EASTON PA 18042-6829
<b>Municipality</b>	Williams Township	<b>County</b>	Northampton
<b>Responsible Official</b>	Gregory Chrin	<b>Title</b>	Owner/ Operator
<b>Person Interviewed</b>	Joseph Klobusicky	<b>Title</b>	Environmental Manager
		<b>Telephone #</b>	1
<b>Lead Inspector</b>	AMY E FAULCH	<b>Title</b>	SLD WSTE SUPV
<b>Site ID</b>	238053	<b>Client ID</b>	42952
<b>PF ID</b>	240650	<b>SF ID</b>	201820
<b>Inspection Start Date</b>	05/29/2024 09:49 AM	<b>Inspection End Date</b>	05/29/2024 11:45 AM
<b>Inspection Type</b>	RTNC - Routine/Complete Inspection	<b>Inspection Result</b>	No Violations Noted
<b>Permit Expiration Date</b>	01/06/2030	<b>Days/Week Operated</b>	6
		<b>Max. Daily Volume</b>	2000 Tons/Day

### Check Lists

<b>Municipal Waste Landfill (0131)</b>			
Status	Requirement	Chapter Citation	Line Item
<b>GENERAL PROVISIONS</b>			
No Violation	Required insurance in effect	271.371	1
	(expiration date) 12/01/2024		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
<b>DAILY OPERATIONS</b>			
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 62 overweight vehicles in May 2024.	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 patrols and nuisance load logs were reviewed. Chrin was operating their perimeter line mister and spray bar misters near the working face area. 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 tonnage in May was 801 tons on 5/28/24.	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: Daily radiation 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
<b>COVER/SLOPES/REVEGETATION</b>			
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
<b>WATER QUALITY PROTECTION</b>			
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
<b>LINER SYSTEM</b>			
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
<b>LEACHATE TREATMENT</b>			
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 rate for May: 31,255 gallons per day.	273.276(a)-(b)	80
No Violation	Department notified when remedial action(s) required.	273.277(1)-(4)	81
<b>WATER QUALITY MONITORING</b>			
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
<b>RECORDKEEPING AND REPORTING</b>			
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
<b>MINERALS AND GAS</b>			
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
<b>EMERGENCY PROCEDURES</b>			
No Violation	Contingency plan implemented if there is an emergency.	273.303(a)-(c)	94
<b>RECYCLING</b>			
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 # GEC003617612		112A
	Insurer (company name) Greenwich Insurance Company		112B
	Expiration Date: 12/01/2024		112C

## Comments

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On May 29, 2024, the PA Department of Environmental Protection (“Department”) conducted a routine complete inspection at Chrin Bros. Sanitary Landfill (“Chrin”). Representing the Department was Amy Faulch (“this inspector”). Joseph Klobusicky provided a site tour and was interviewed on behalf of Chrin. See the 5/29/24 odor patrol log for weather details.

The following Department personnel entered the landfill since the last inspection on 4/26/24: A. Faulch and Margaret Thompson on 4/26/24; M. Glogowski on 5/22/24; and A. Faulch on 5/29/24.

### SITE TOUR:

Prior to entering Chrin, this inspector conducted an odor patrol in the area surrounding the facility. A very light, intermittent sewage odor was detected near the sewage treatment plant. No other odors were detected during this patrol. See the 5/29/24 odor patrol log for details.

Upon entry into the landfill, two trucks were dumping incoming waste in Cell 9B. A light garbage and gas odor was detected to the west of the working face, and a light gas odor was detected at the working face entrance road. Less gas odors were detected near the 9A side slope area than were noted during the previous inspection on 4/26/24. Chrin’s perimeter line misters were in operation and two spray bar misters were in operation to the west and east of the working face. Some flagging was observed in the area of the east edge of 9B; Chrin is reminded to add additional cover in this area.

The Cell 9 south side slope area has been seeded. Crin has also been rolling and grading the northern top slopes. The temporary cap installation in the former Stage E area has been completed. Some additional seeps identified in the eastern area of the landfill have been repaired. MSE wall construction is beginning in the former 501 building area, and a road crew was working on road improvements along Industrial Dr. Some dust was noticed within the landfill boundary from the recent dry weather. A truckwash was in use along the north access road.

Flare 3 was in operation at 1760°F with a flow of 1830 scfm. The engines for the gas-to-energy plant are still being refurbished.

### ODOR COMPLAINTS:

Since the last inspection from the 4/26/24 was issued on 5/7/24, the Department received two odor complaints. Odor patrols were conducted by the Department on 5/10/24 (efacts # 3765226) and 5/29/24 (efacts # 3771313).

## Check List Comments

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

**Remark:** Chrin recorded 62 overweight vehicles in May 2024.

**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 patrols and nuisance load logs were reviewed. Chrin was operating their perimeter line mister and spray bar misters near the working face area. 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 tonnage in May was 801 tons on 5/28/24.

**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:** Daily radiation 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 rate for May: 31,255 gallons per day.

### Inspection Report Signature Page

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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

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

Inspector            Date      06/06/2024

Investigator: A. FawcchDate: 5/10/24CASE: Chrin LandfillWeather Conditions: Rain, 49°F, Wind ENE @ 6mph, 90% 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	COMMENTS & OBSERVATIONS
				EG = Rotten Egg LFG = Landfill Gas G = Garbage S = Sewage D = Dredge O = Other (describe)	
I-78	1250	N			
MHR Industrial	1253	N			
Cedarville	1254	N			
Knollwood	1256	N			
Auburn	1257	N			
Sewage Trt. Plant	1259	M	1	S	moderate sewage odor
Congressional	1302	N			
Clubhouse	1303	N			
Turnberry	1304	N			
Merion	1304	N			
Water Tower	1306	N			
Clubhouse	1307	N			
Pinehurst	1308	N			
Pine Valley	1310	N			
Bethpage	1311	N			
Waterford	1311	N			
Prestwick	1312	N			
Old Course	1312	N			

EFACTS # 3765226

Investigator: A. FaulchDate: 5/10/24CASE: Chrm Landfill

## ODOR PATROL SURVEY

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	COMMENTS & OBSERVATIONS
				EG = Rotten Egg LFG = Landfill Gas G = Garbage S = Sewage D = Dredge O = Other (describe)	
St. Andrews	1313	N			
Oak Hill	1314	N			
Clubhouse	1314	N			
Spring Valley	1315	N			
Mt. Top	1321	N			
Waltman Loop	1322	N			
Morgan Hill Rd	1323	N			
Morvale	1324	SL	1	G	light garbage odor just near Industrial
Industrial	1328	SL	1	G	light garbage odor just near Morvale
MHR x Lakes	1330	N			
Morgan Hill Rd	1331	N			
Morvale	1334	SL	1	G	very light garbage odor just near Industrial
Industrial	1338	SL	1	G	light garbage odor just near Morvale
MHR x Industrial	1344	N			

Investigator: A. Faulstich Date: 5/29/24  
 Weather Conditions: Partly Cloudy, 67°F, wind N @ 7 mph, 61% H.

CASE: Cham 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)	EFACTS #	COMMENTS & OBSERVATIONS
1-78	949	N				
MHP Industrial	952	N				
Cedarville	952	N				
Sewage Treatment Plant	956	SL	1	S	3271313	very light sewage odor
Congressional	958	N				
Clubhouse	959	N				
Turnberry	1001	N				
Water Tower	1001	N				
Clubhouse	1002	N				
Pinehurst	1003	N				
Pine Valley	1005	N				
Bethpage	1005	N				
Watersford	1006	N				
Prestwick	1006	N				
Old Course	1007	N				
St. Andrews	1007	N				
Dak Hill	1008	N				
Spring Valley	1009	N				

Investigator: Ar Feulich Date: 5/29/24  
 Weather Conditions: \_\_\_\_\_

CASE: Chrin 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
Mt. Top	10/13	N			
Waltham Loop	10/14	N			
MHR	10/15	N			
MHR x Industrial	10/16	N			
Industrial	10/17	N			
Mercade	10/19	N			
MHR	10/22	N			
MHR x Industrial	10/24	N			
Industrial	10/25	N			
ENTER LANDFILL	10/27				



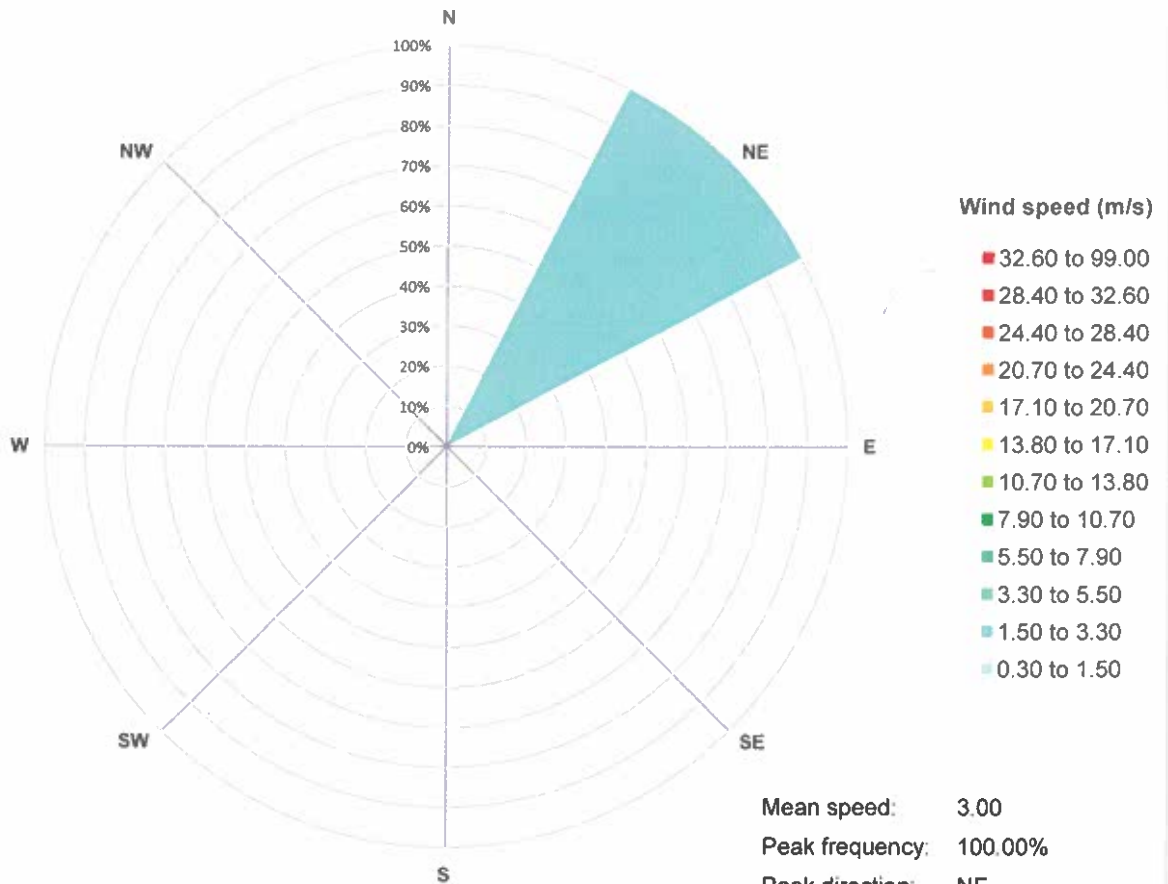
## CHRIN ODOR COMPLAINT LOG (1225 Industrial Dr., Easton, PA 18042)

Date	Time	Address	Distance from Landfill (miles)	Weather Data (Allentown KABE) www.wunderground.com			Residence / Drive-by	Description / Notes	Gas Management Data					Date of Initial Response	Addressed in Insp Report Dated
				Skies	Temperature °F	Wind (out of)			Flare 1 (scfm)	Flare 3 (scfm)	Flare 4 (scfm)	PPL (scfm)	Total (scfm)		
01/25/24	17:20	Spring Valley Rd., Easton	0.970		50	East / Northeast 0-2 mph	Residence	Landfill odor is disgusting today. Make this stop.		1742			1742	01/30/24	01/30/24
02/01/24	9:43	Merion Ln., Easton	1.744		32	South / Southeast 1-3 mph	Residence	Last evening driving home from work the odor was very strong, approx. 8 out of 10 in strength. Odor encountered at home and while driving, right now and also last night.		1763			1763	2/16/24	02/16/24
02/17/24	21:00	Drive-by	NA		26	Northwest 1-7mph	Drive-by	Exiting the I-78, odor from Chrin was persistent and strong until about the gas station		1860			1860	02/23/24	02/16/24
02/21/24	11:29	Morgan Hill Rd., Easton	1.390		37	South / Southeast 2-7 mph	Residence	Terrible smell coming from the Chrin Bros Sanitary Landfill. The odor has been getting increasingly worse the past year. It occurs mostly in the morning, throughout the morning.		1800			1800	02/23/24	02/16/24
02/23/24	17:22	Eagle's Creek Ct., Easton	1.080		47	North / Northwest 0-1mph	Residence	Methane odor. Just noticed. At home.		1780			1780	03/22/24	03/29/24
03/05/24	20:45	I-78/ Morgan Hill Rd. (Drive-by)	NA		46	North / Northeast 1-3mph	Drive-by	Strong persistent gas from the offramp until the 3-way stop past the gas station		1800			1800	03/22/24	03/29/24
03/19/24	21:30	I-78 (Drive-by)	NA		39	West 1-5mph	Drive-by	Old garbage odor while driving on I-78		1860			1860	03/22/24	03/29/24
03/20/24	9:22	Morgan Hill Rd., Easton	1.390		40	South 1-3mph	Residence	Old garbage odor at home.		1860			1860	03/22/24	03/29/24
03/27/24	22:27	Freemansburg Ave., Bethlehem (Drive-by)	NA		44	South / Southwest 0-2mph	Drive-by	Strong odor for the past few days. The odor is heaviest in the area of southmont shopping plaza off of freemansburg Ave by route 33. The odor smells odor smells like it is coming from the landfill.		1680			1680	03/29/24	03/29/24
04/04/24	8:03	Spring Valley Rd., Easton	0.970		38	Northwest 1-4mph	Residence	Obnoxious odor, going on for years. At home.		1694			1694	04/04/24	04/26/24
04/08/24	16:34	Pine Valley Ter., Easton	1.348		63	North / Northwest 1-3mph	Residence	It smells like the dump. Everyday. At home.		1816			1816	04/26/24	04/26/24
04/09/24	9:30	Chateau Ln., Easton	0.540		60	North / Northwest 1-5mph	Residence	Smells like hot garbage. Starting last night and currently this morning at 9:30 AM when opening the front door.		1824			1824	04/26/24	04/26/24
04/16/24	19:00	Pine Valley Ter., Easton	1.297				Residence	It is 7:00 PM and the Chrin landfill has stunk for the last 2 hours here, standing outside my home. The odor is really bad this evening.						04/26/24	04/26/24
05/22/24	8:48	Pheasant Run Court	4.100				Residence	Air smells horrible from local landfills. Occurs often.						05/29/24	05/29/24
05/24/24	18:41	Pine Valley Ter., Easton	1.297				Residence	It's Friday night at 6:40 PM out for a walk on my street and the landfill smell is totally obnoxious once again.						05/29/24	05/29/24



# Chrin Landfill

Wednesday, May 29, 2024 - 11:00am



Temp - 70  
WS - 3mph  
WD - Northeast  
Bp - 29.95  
Rh - 56%

2024	Daily	Total Week	Month Average	Day	Total Month	Total Quarter
May						
1	545.2		545.2	1	545.2	13,484.4
2	490.0		517.6	2	1,035.2	13,974.4
3	627.8		554.3	3	1,663.0	14,602.2
4	118.6		445.4	4	1,781.6	14,720.8
5		2,962.28			1,781.6	14,720.8
6	610.6		478.4	5	2,392.2	15,331.4
7	624.1		502.7	6	3,016.3	15,955.5
8	486.3		500.4	7	3,502.6	16,441.8
9	514.3		502.1	8	4,016.9	16,956.1
10	540.1		506.3	9	4,557.0	17,496.2
11	127.6		468.5	10	4,684.6	17,623.8
12		2,903.00			4,684.6	17,623.8
13	637.5		483.8	11	5,322.1	18,261.3
14	614.4		494.7	12	5,936.5	18,875.7
15	602.7		503.0	13	6,539.2	19,478.4
16	523.2		504.5	14	7,062.4	20,001.6
17	670.5		515.5	15	7,732.9	20,672.1
18	116.6		490.6	16	7,849.5	20,788.7
19		3,164.90			7,849.5	20,788.7
20	609.8		497.6	17	8,459.3	21,398.5
21	655.1		506.4	18	9,114.4	22,053.6
22	546.2		508.5	19	9,660.6	22,599.8
23	490.0		507.5	20	10,150.6	23,089.8
24	586.0		511.3	21	10,736.6	23,675.8
25	137.8		494.3	22	10,874.4	23,813.6
26		3,024.94			10,874.4	23,813.6
27	Holiday		472.8	23	10,874.4	23,813.6
28	801.6		486.5	24	11,676.0	24,615.2
29	698.9		495.0	25	12,374.9	25,314.1
30	680.0		476.0	26	12,374.9	25,314.1
31	658.7		507.9	27	13,713.6	26,652.8
Month Total						
	13,713.6					

# Chrin Brothers Sanitary Landfill 2024 Leachate Flow Summary

## Leachate

Reading Date	Month	Reading	Monthly Flow	Gallons Per Day	GPD Per Acre	Quarterly Flows	
						Flow	Gal/Day GPD/Ac
12/31/2023	DEC	1,136,658	1,136,658				
1/31/2023	JAN	1,600,669	464,011	14,968	142		
2/28/2023	FEB	2,843,929	1,243,260	44,402	420		
3/31/2023	MAR	4,203,072	1,359,143	43,843	415	3,066,414	323
4/30/2023	APR	5,482,438	1,279,366	42,646	404		
5/31/2023	MAY	1,563,207	968,900	31,255	296		
6/30/2023	JUN	0	-1,563,207	-52,107	-493	685,059	71
7/31/2023	JUL	0	0	0	0		
8/31/2023	AUG	0	0	0	0		
9/30/2023	SEP	0	0	0	0	0	0
10/31/2023	OCT	0	0	0	0		
11/30/2023	NOV	0	0	0	0		
12/31/2023	DEC	0	0	0	0	0	0
Total Yearly Flow			4,888,131	13,392	127		

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.

## Faulch, Amy

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**From:** Joe Klobusicky <jklobusicky@chrin.org>  
**Sent:** Friday, May 10, 2024 4:23 PM  
**To:** Faulch, Amy  
**Subject:** [External] Re: Odor on Morvale & Industrial

**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,  
Tom did not get any odor in that area during his patrol.  
When I left today, I went out that way and there was no odor.

Joe k

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

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**From:** Faulch, Amy <afaulch@pa.gov>  
**Sent:** Friday, May 10, 2024 1:37:15 PM  
**To:** Joe Klobusicky <jklobusicky@chrin.org>  
**Subject:** Odor on Morvale & Industrial

Hi Joe,  
I was doing an odor patrol this afternoon, and was getting some light garbage odors just in the area of the Morvale & Industrial intersection. Just FYI if you haven't already done the afternoon patrol.

Thank you,  
Amy Faulch

Electronic File Distribution:

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M. Glogowski

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A. Faulch

Chrin: Joseph Klobusicky

[jklobusicky@chrin.org](mailto:jklobusicky@chrin.org)

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[mernst@williamstwp.org](mailto:mernst@williamstwp.org)