

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
		Telephone #	1
Lead Inspector	AMY E FAULCH	Title	SLD WSTE SUPV
Site ID	238053	Client ID	42952
PF ID	240650	SF ID	201820
Inspection Start Date	09/27/2024 10:30 AM	Inspection End Date	09/27/2024 01:00 PM
Inspection Type	RTNC - Routine/Complete Inspection	Inspection Result	No Violations Noted
Permit Expiration Date	01/06/2030	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) 12/01/2024		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
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 30 overweight vehicles in September 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 patrol and nuisance load logs were reviewed. Chrin was operating their perimeter line misters and spray bar misters near the working face. 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 for September 2024. The greatest one-day tonnage was 831 tons on 9/3/24.	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
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: August: 19,759 gallons per day September: 21,581 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 # GEC003617612		112A
	Insurer (company name) Greenwich Insurance Company		112B
	Expiration Date: 12/01/2024		112C

Comments

On September 27, 2024, the PA department of Environmental Protection (“Department”) conducted a routine complete inspection at Chrin Bros. Sanitary Landfill (“Chrin”). Joseph Klobusicky provided a site tour and was interviewed on behalf of Chrin. See the 9/27/24 odor patrol log for weather details.

The following department personnel have entered the landfill since the last inspection on 8/23/24: A. Faulch on 8/23/24; S. bene, D. Houck and M. Glogowski on 9/18/24; and A. Faulch on 9/27/24.

SITE TOUR:

Prior to entering Chrin, this inspector conducted an odor patrol in the surrounding area. A light, intermittent landfill gas odor was detected on the I-78 E exit. A moderate, intermittent sewage odor was detected near the sewage treatment plant. A very light landfill gas odor was detected along Industrial Dr. just near the landfill entrance. No other odors were detected during this patrol. See the 9/27/24 odor patrol log for details.

Upon entry to the landfill, this inspector observed the working face in Cell 9A. Two trucks were dumping at the working face, and a moderate garbage odor was observed just in the working face area. Two spray bar misters were in operation at the working face, and Chrin's perimeter line misters were running.

Chrin was not conducting any waste relocation activities during the week of this inspection. The 3E topslope has been graded for final capping. MSE wall construction is also continuing. Cleanout of the North sedimentation basin is continuing and is almost complete. The truckwash was observed in use along the north access road.

Flare 3 was in operation at 1700°F and 1645 cfm.

ODOR COMPLAINTS:

Since the last inspection report from 8/23/24 was issued on 9/6/24, Chrin has received no odor complaints. Odor patrols were conducted on 9/13/24 (efacts #3830424), 9/20/24 (efacts # 3836526), and 9/27/24 (efacts # 3848516).

Check List Comments

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

Remark: Chrin recorded 30 overweight vehicles in September 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 patrol and nuisance load logs were reviewed. Chrin was operating their perimeter line misters and spray bar misters near the working face. 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 for September 2024. The greatest one-day tonnage was 831 tons on 9/3/24.

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 rates: August: 19,759 gallons per day September: 21,581 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 Interviewed	Unable To Obtain Reason: Sent to facility via email.	Date	--/------
Inspector		Date	10/11/2024

Investigator: A. FaulchDate: 9/13/24CASE: Chrin LandfillWeather Conditions: Sunny, 80°F, Wind ENE @ 3mph, 43% 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)	
1-78	1315	N			eFACTS # 3830424
MHR Industrial	1319	N			
Cedarville	1319	N			
Sewage Trt Plant	1323	N			
Congressional	1325	N			
Clubhouse	1327	N			
Water Tower	1326	N			
Clubhouse	1329	N			
Pine Valley	1330	N			
Bethpage	1333	N			
Waterford	1334	N			
Prostwick	1334	N			
Old Course	1335	N			
St. Andrew	1335	N			
Oak Hill	1336	N			
Clubhouse	1336	N			
Spring Valley	1337	N			
Mt. Top	1341	N			

Investigator: A. Faulch

Date: 9/13/24

CASE: Chrin 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)	
Waltman Loop	1342	N			
Morgan Hill Rd	1343	SL	I	O	"pine/perfume" odor from landscaper spraying vegetation
Morvale	1343	N			
Industrial	1347	N			
MHR x Industrial	1350	N			
MHR	1350	N			

Investigator: A. Fawich Date: 9/20/24
 Weather Conditions: Sunny, 73°F, wind NE @ 6mph, 62% H

CASE: Chrin Landfill II
ODOR PATROL SURVEY

EFACTS # 3836526

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)	
1-78	10 ³⁴	N			
MHR Industrial	10 ³⁶	N			
Cedarville	10 ³⁷	N			
Sewage Trt. Plant	10 ⁴⁰	SL	1	S	light sewage odor
Congressional	10 ⁴³	N			
Clubhouse	10 ⁴⁴	N			
Water Tower	10 ⁴⁷	N			
Clubhouse	10 ⁵⁰	N			
Pine Valley	10 ⁵²	N			
St. Andrews	10 ⁵⁴	SL	1	O	very light "dead animal" odor
Waterford	10 ⁵⁴	N			
Prestwick	10 ⁵⁵	N			
Old Course	10 ⁵⁵	N			
Clubhouse	10 ⁵⁶	SL	1	O	very light "dead animal" odor
Spring Valley	10 ⁵⁸	N			
Morgan Hill Rd	11 ⁰¹	N			
MHR Industrial	11 ⁰³	N			
Industrial	11 ⁰³	N			

Investigator: A. Fawich

Date: 9/20/20

CASE: Chris 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)	
Morvale	1106	SL	I	O	light garbage odor just near Industrial
Morgan Hill Rd	1110	N			
Waltman Loop	1112	N			
Mt. Top	1113	N			
Spring Valley	1113	N			
Morgan Hill Rd	1116	N			
MHR x Industrial	1117	N			
En					

Investigator: A. FaulichDate: 9/27/24CASE: Chrin LadfillWeather Conditions: cloudy, 66°F, wind NE @ 6mph, 85% 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	10 ³⁰	SL	I	LFG	eFACTS # 3848516 light landfill gas odor near exit
MHRx Industrial	10 ³³	N			
Cedarville	10 ³⁴	N			
Knollwood	10 ³⁵	N			
Auburn	10 ³⁶	N			
Sewage/TRT Plant	10 ³⁹	M	I	S	sewage odor
Congressional	10 ⁴¹	N			
Clubhouse	10 ⁴³	N			
Turnberry	10 ⁴⁴	N			
Etobicoke Merion	10 ⁴⁴	N			
Water Tower	10 ⁴⁵	N			
Clubhouse	10 ⁴⁶	N			
Pinehurst	10 ⁴⁷	N			
Pine Valley	10 ⁴⁸	N			
Bethpage	10 ⁵¹	N			
Waterford	10 ⁵¹	N			
Preswick	10 ⁵²	N			
Old Course	10 ⁵²	N			

Investigator: A. FaulchDate: 9/27/24CASE: Chrin Landfill

Weather Conditions: _____

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)	
St Andrew	1053	N			
Oak Hill	1053	N			
Spring Valley	1054	N			
Mt. Top	1059	N			
Waltman Loop	1059	N			
Morgan Hill Rd	1101	N			
MHR + Industrial	1103	N			
Industrial	1103	N			
Morvale	1106	N			
Morgan Hill Rd	1109	N			
Belmont	1113	N			
Hilton	1114	N			
Morgan Hill Rd	1118	N			
MHR + Industrial	1118	N			
Industrial	1120	SL	I	LFG	very light landfill gas odor near LF entrance

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		70	Northwest 1-8 mph	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.		1790				1790	04/26/24	04/26/24
05/22/24	8:48	Pheasant Run Court	4.100		74	South / Southeast 1-3mph	Residence	Air smells horrible from local landfills. Occurs often.		1830				1830	05/29/24	05/29/24
05/24/24	18:41	Pine Valley Ter., Easton	1.297		82	West 1-5mph	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.		1810				1810	05/29/24	05/29/24
06/10/24	10:45	Spring Valley Rd.	unknown		67	North / Northwest 3-5mph	unknown	Odor complaint called into Chrin. Chrin investigated on 6/10/24.			2000			2000	06/21/24	06/28/24
06/13/24	6:30	Merion Ln., Easton	1.744		57	West / Northwest 0-1mph	Residence	Odor complaint for Chrin Landfill. I first detected the odor at my home at 6:30 this morning. I went out just a few minutes ago (9:47 AM). The odor is still there. Not nearly as bad, but it's still an odor.			2150			2150	06/21/24	06/28/24
06/19/24	8:54	Winfield Terrace, Easton	2.530		76	Southwest 0-2mph	Residence	Every single morning for the past month, between the hours between 4AM and 9AM is a horrible smell of burning garbage. It's every single day. It has now increased to the evening hours as well like 6PM through the night. This started in November, in the evenings prior to bedtime and it seemed to only be on Sundays and Thursdays and now it's constant. The smell is foul and can't be good for anyone's health. I am only assuming it's coming from Chrin, who had the garbage company in Williams Township. Please help as this problem is a daily concern.			2150			2150	06/21/24	06/28/24
06/24/24	6:00	Spring Valley Rd., Easton	0.760		72	Northeast 1-2mph	Residence	Smells like rotten garbage. Encountered at 6:00 AM, at home.			2200			2200	06/28/24	06/28/24
08/13/24	8:38	Waltman Loop Ln., Easton	0.943		69	West 0-1mph	Residence	Odor of wet cardboard garbage, very strong smell. Occurring now, at home.				1700		1700	08/23/24	08/23/24

2024	Daily	Total Week	Month Average	Day	Total Month	Total Quarter
September						
1	0.0	1,837.56			0.0	26,937.7
2	HOLIDAY		0.0	1	0.0	26,937.7
3	831.7		415.9	2	831.7	27,769.4
4	702.5		277.2	3	831.7	27,769.4
5	651.5		207.9	4	831.7	27,769.4
6	636.5		564.4	5	2,822.2	29,759.9
7	212.0		505.7	6	3,034.2	29,971.9
8		3,034.20			3,034.2	29,971.9
9	547.7		511.7	7	3,581.9	30,519.6
10	551.5		516.7	8	4,133.4	31,071.1
11	527.4		517.9	9	4,660.8	31,598.5
12	566.6		522.7	10	5,227.4	32,165.1
13	507.7		521.4	11	5,735.1	32,672.8
14	108.6		487.0	12	5,843.7	32,781.4
15		2,809.50			5,843.7	32,781.4
16	521.5		489.6	13	6,365.2	33,302.8
17	542.8		493.4	14	6,908.0	33,845.6
18	512.6		494.7	15	7,420.6	34,358.2
19	457.6		492.4	16	7,878.1	34,815.8
20	486.3		492.0	17	8,364.4	35,302.1
21	85.9		469.5	18	8,450.3	35,388.0
22		2,606.63			8,450.3	35,388.0
23	530.5		472.7	19	8,980.8	35,918.5
24	471.5		472.6	20	9,452.3	36,390.0
25	504.6		474.1	21	9,956.9	36,894.6
26	413.9		471.4	22	10,370.8	37,308.5
27	504.8		472.9	23	10,875.6	37,813.3
28	157.3		459.7	24	11,032.9	37,970.6
29		2,582.60			11,032.9	37,970.6
30	553.0		463.4	25	11,585.9	38,523.6
Month Total						
11,585.9						
Quarter Total						
38,523.6						

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					
1/31/2024	JAN	1,600,669	464,011	14,968	142			
2/28/2024	FEB	2,843,929	1,243,260	44,402	420			
3/31/2024	MAR	4,203,072	1,359,143	43,843	415	3,066,414	34,071	323
4/30/2024	APR	5,482,438	1,279,366	42,646	404			
5/31/2024	MAY	1,563,207	968,900	31,255	296			
6/30/2024	JUN	2,226,850	663,643	22,121	209	2,911,909	31,999	303
7/31/2024	JUL	764,407	663,137	21,392	203			
8/31/2024	AUG	616,312	612,528	19,759	187			
9/30/2024	SEP	1,263,731	647,419	21,581	204	1,923,084	20,903	198
10/31/2024	OCT	0	-1,263,731	-40,766	-386			
11/30/2024	NOV	0	0	0	0			
12/31/2024	DEC	0	0	0	0	-1,263,731	-13,736	-130
Total Yearly Flow			7,774,334	21,300	202			

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.

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