

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	09/29/2023 11:35 AM	SF ID	201820
Inspection Type	RTNC - Routine/Complete Inspection	Inspection End Date	09/29/2023 02:00 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's scale was calibrated on 7/28/23. Chrin had 118 overweight vehicles in August and 89 overweight vehicles in September 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: August 29- 770 tons; September 5- 776 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: 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. Remark: Chrin's stationary and handheld radiation meters were calibrated on 7/8/23 and 9/21/23, respectively.	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 if 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: August: 41,237 gallons per day; September: 56,647 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. Remark: Chrin's Public Notice of Recycling was published in the Morning Call on 7/1/23.	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) Greenwich Insurance Company NAIC 22322		112B
	Expiration Date: 12/01/2023		112C

Comments

On September 29, 2023, 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. Williams Township host municipality inspector Joseph Black was also present for this inspection. See the 9/29/23 odor patrol log for weather details.

The following Department personnel entered the landfill since the last inspection: A. Faulch and E. McNulty on 8/1/23; M. Glogowski on 8/16/23; C. Harding on 9/18/23; M. Glogowski on 9/20/23; M. Vipond on 9/20/23; R. Mullin on 9/21/23; and A. Faulch on 9/29/23.

SITE TOUR:

Prior to entering Chrin, this inspector conducted an odor patrol in the areas surrounding the facility. A moderate, persistent gas odor was detected along Morvale Rd. between Industrial Dr. and Wottrings Mill Rd. See the 9/29/23 odor patrol log for details.

During the site tour, this inspector observed the working face in 9B. One truck was unloading. A moderate trash odor was detected to the west of the working face, and a strong trash odor was detected to the SW of the working face. A crew was digging out around a gas line just east of the working face, which may have been contributing to the trash odors observed in this area. Two spray bar misters were in operation to the south of the working face, perimeter line misters were in operation and the water truck was being swapped out at the working face at the time of this inspection. The former working face area at the east end of 9B showed some waste flagging and needs additional cover. The slope above 9B was graded, and was awaiting seeding at the time of this inspection.

A gas odor was detected along the southwest access road at the time of this inspection. Mr. Klobusicky stated that a gas line was recently hit in an area above 3D and was being repaired. Flare 4 was also offline for a while yesterday, but was running at the time of this inspection. The 3E waste relocation project is continuing, and waste is still being relocated to the working face, however none was being sent at the time of this inspection. The bottom slopes of 3D/3E have been graded and were waiting for final cap and seeding. A truckwash was in operation on the north access road. The 501 building is being demolished and all maintenance operations have been moved to the new maintenance building across Industrial Dr.

Flare 4 was in operation during this inspection with a temperature of 1710°F and a flow of 1675 scfm. Flare 3 and the

candlestick flare were not in operation. Engines for the gas-to-energy plant were being refurbished, and Chrin is preparing to submit a permit application for the plant.

Check List Comments

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

Remark: Chrin's scale was calibrated on 7/28/23. Chrin had 118 overweight vehicles in August and 89 overweight vehicles in September 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: August 29- 770 tons; September 5- 776 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: Radiation source checks were reviewed. Chrin has had no radiation hits since the last inspection.

Line Item 30 - Monitoring equipment is calibrated at frequency specified by manufacturer, but not less than once a year.

Remark: Chrin's stationary and handheld radiation meters were calibrated on 7/8/23 and 9/21/23, respectively.

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

Remark: Leachate flow rates are as follows: August: 41,237 gallons per day; September: 56,647 gallons per day.


Line Item 100 - Approved public notice of availability of drop off center availability is provided.

Remark: Chrin's Public Notice of Recycling was published in the Morning Call on 7/1/23.

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	10/16/2023

Investigator: A. FaulchDate: 9/12/23CASE: Chrin LandfillWeather Conditions: Sunny, 75° F, Wind W @ 1mph, 67% 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 ³⁵	SL	1	O	light vehicle exhaust odor
MTR Industrial	10 ³⁸	SL	1	LFG/G	very light garbage/gas odor
Cedarville	10 ³⁹	N			
Knollwood	10 ⁴²	N			
Auburn	10 ⁴³	N			
Sewage Treat Plant	10 ⁴⁵	N			
Congressional	10 ⁴⁷	N			
Clubhouse	10 ⁴⁹	N			
Tumberly	10 ⁵⁰	N			
Merion	10 ⁵⁰	N			
Water Tower	10 ⁵¹	N			
Clubhouse	10 ⁵⁵	N			
Pinehurst	10 ⁵⁷	N			
Pine Valley	10 ⁵⁸	N			
Bethpage	11 ⁰⁰	N			
Waterford	11 ⁰⁰	N			
Prestwick	11 ⁰¹	N			
Old Course	11 ⁰¹	N			

EFACTS # 3613097

Investigator: A. FaulchDate: 9/12/23CASE: Chris Landry

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)	
Sch Andrews	1102	N			
Oak Hill	1105	N			
Club house	1105	N			
Morgan Hill Rd	1105	N			
Spring Valley	1106	N			
Mt. Top	1110	N			
Waltman Loop	1111	N			
MHR	1113	N			
MHO x Industrial	1114	N			
Industrial	1115	N			
Morrabe	1117	N			
MHR	1120	SL	I	G	light garbage odor @ hairpin turn

Investigator: A. FaulchDate: 9/29/23CASE: ChwinWeather Conditions: Cloudy, 63°F, wind NNE @ 8 mph, 84% 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	1135	N			
MITR x Industrial	1138	N			
Industrial	1139	N			
Monale	1200	M	1	LFG	gas odor near Industrial Dr.
Morgan Hill Rd	1203	N			
Waltman Loop	1205	N			
Mt. Top	1207	N			
Spring valley	1207	N			
Club house	1212	N			
Oak Hill	1213	N			
St. Andrew	1213	N			
Old Course	1214	N			
Prestwick	1214	N			
Waterford	1215	N			
Bethpage	1215	N			
Pine Valley	1216	N			
Pinehurst	1216	N			
Clubhouse	1219	N			

eFACTS # 3629055

Investigator: A. TawichDate: 9/29/23CASE: 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)	
Turnberry	1220	N			
Merion	1221	N			
Water Tower	1222	N			
Clubhouse	1223	N			
Congressional	1224	N			
Cedarville	1225	N			
Knollwood	1226	N			
Audurn	1227	N			
Sewage Trt. Plant	1229	N			
MHR x Industrial	1232	N			
Industrial	1233	N			
Maryvale	1235	M	P	LFG	Gas odor btwn Industrial & Wotting's Mill
MHR	1239	N			
MHR x Industrial	1241	N			
Industrial	1241	N			
ENTER LANDFILL	1244				

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)			
01/02/23	17:28	Pine Valley Ter., Easton	NA		53	West 0-1 mph	Drive-by	Calling regarding the Chrin 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 happend until we're supposed to cap it. It definately 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	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	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	04/03/23	05/04/23
04/14/23	10:27	Spring Valley Rd., Easton	unknown		79	North 1-2 mph	Residence	Odor complaint-submitted to Williams Twp.		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	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	05/08/23	05/04/23
5/7/23?	unknown	Spring Valley Rd., Easton	unknown		no time frame	no time frame	Residence	Odor complaint-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	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 Chrin 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

2023	Daily	Total Week	Month Average	Day	Total Month	Total Quarter
August						
1	696.9		696.9	1	696.9	15,567.6
2	631.0		664.0	2	1,327.9	16,198.6
3	704.6		677.5	3	2,032.5	16,903.2
4	521.0		638.4	4	2,553.5	17,424.2
5	73.3		525.4	5	2,626.8	17,497.5
6		3,388.60			2,626.8	17,497.5
7	632.5		543.2	6	3,259.3	18,130.0
8	718.1		568.2	7	3,977.4	18,848.1
9	544.5		565.2	8	4,521.9	19,392.6
10	610.1		570.2	9	5,132.0	20,002.7
11	672.5		580.5	10	5,804.5	20,675.2
12	127.2		539.2	11	5,931.7	20,802.4
13		3,304.90			5,931.7	20,802.4
14	645.0		548.1	12	6,576.7	21,447.4
15	633.8		554.7	13	7,210.5	22,081.2
16	618.1		559.2	14	7,828.6	22,699.3
17	664.1		566.2	15	8,492.7	23,363.4
18	636.5		570.6	16	9,129.2	23,999.9
19	95.2		542.6	17	9,224.4	24,095.1
20		3,292.70			9,224.4	24,095.1
21	591.2		545.3	18	9,815.6	24,686.3
22	612.7		548.9	19	10,428.3	25,299.0
23	651.0		554.0	20	11,079.3	25,950.0
24	630.5		557.6	21	11,709.8	26,580.5
25	584.5		558.8	22	12,294.3	27,165.0
26	102.8		539.0	23	12,397.1	27,267.8
27		3,172.70			12,397.1	27,267.8
28	655.7		543.9	24	13,052.8	27,923.5
29	770.3		552.9	25	13,823.1	28,693.8
30	728.7		559.7	26	14,551.8	29,422.5
31	676.9		564.0	27	15,228.7	30,099.4
Month Total						
15,228.7						

2023	Daily	Total Week	Month Average	Day	Total Month	Total Quarter
September						
1	584.5		584.5	1	584.5	30,683.9
2	132.5		358.5	2	716.9	30,816.3
3		3,548.54			716.9	30,816.3
4	HOLIDAY				716.9	30,816.3
5	776.6		239.0	3	716.9	30,816.3
6	703.5		549.3	4	2,197.0	32,296.4
7	547.8		549.0	5	2,744.8	32,844.2
8	616.5		560.2	6	3,361.3	33,460.7
9	242.3		514.8	7	3,603.6	33,703.0
10		2,886.70			3,603.6	33,703.0
11	628.2		529.0	8	4,231.8	34,331.2
12	575.6		534.2	9	4,807.4	34,906.8
13	608.7		541.6	10	5,416.1	35,515.5
14	526.6		540.2	11	5,942.7	36,042.1
15	626.3		547.4	12	6,569.0	36,668.4
16	118.5		514.4	13	6,687.5	36,786.9
17		3,083.90			6,687.5	36,786.9
18	658.1		524.7	14	7,345.6	37,445.0
19	642.7		532.6	15	7,988.3	38,087.7
20	671.4		541.2	16	8,659.7	38,759.1
21	662.8		548.4	17	9,322.5	39,421.9
22	607.3		551.7	18	9,929.8	40,029.2
23	93.1		527.5	19	10,022.9	40,122.3
24		3,335.40			10,022.9	40,122.3
25	682.5		535.3	20	10,705.4	40,804.8
26	650.3		540.7	21	11,355.7	41,455.1
27	561.4		541.7	22	11,917.1	42,016.5
28	572.9		543.0	23	12,490.0	42,589.4
29	510.3		541.7	24	13,000.3	43,099.7
30	85.3		523.4	25	13,085.6	43,185.0
		3,062.70				
Month Total						
13,085.6						
Quarter Total						
43,185.0						

Chrin Brothers Sanitary Landfill 2023 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	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	0	-2,515,075	-81,131	-768			
11/30/2023	NOV	0	0	0	0			
12/31/2023	DEC	0	0	0	0	-2,515,075	-27,338	-259
Total Yearly Flow			14,668,651	40,188	381			

meter reset

meter reset

meter reset - power outage

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: Wednesday, September 13, 2023 8:05 AM
To: Faulch, Amy
Subject: RE: [External] RE: Odor on Morgan Hill Rd

Your welcome.

Thanks – I didn't get anything over on Pine Valley terrace yesterday at all.

Joe k

From: Faulch, Amy <a Faulch@pa.gov>
Sent: Wednesday, September 13, 2023 8:04 AM
To: Joe Klobusicky <jklobusicky@chrin.org>
Subject: RE: [External] RE: Odor on Morgan Hill Rd

Thank you Joe!

Just FYI- we did get one odor complaint along Pine Valley that came in yesterday morning, but I didn't get it until this morning.

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: Wednesday, September 13, 2023 7:08 AM
To: Faulch, Amy <a Faulch@pa.gov>
Subject: RE: [External] RE: Odor on Morgan Hill Rd

Hi Amy,
Here is the patrol log from yesterday.

Joe k

From: Faulch, Amy <a Faulch@pa.gov>
Sent: Tuesday, September 12, 2023 1:09 PM
To: Joe Klobusicky <jklobusicky@chrin.org>
Subject: RE: [External] RE: Odor on Morgan Hill Rd

OK, thank you Joe for going out.

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

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From: Joe Klobusicky <jklobusicky@chrin.org>
Sent: Tuesday, September 12, 2023 1:07 PM
To: Faulch, Amy <afaulch@pa.gov>
Subject: [External] RE: Odor on Morgan Hill Rd

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Hi Amy,
I ran out to the hairpin turn on Morgan Hill Road and the intersection of Morgan Hill Rd & Industrial Drive. I had no odors at this time. I'll send along the end of day report from Tom when I get it.

Joe k

From: Faulch, Amy <afaulch@pa.gov>
Sent: Tuesday, September 12, 2023 12:25 PM
To: Joe Klobusicky <jklobusicky@chrin.org>
Subject: Odor on Morgan Hill Rd

Hi Joe,

I was over in the Chrin area about an hour ago and got some garbage odors on Morgan Hill Rd. at the hairpin turn, and at the intersection of Morgan Hill Rd. & Industrial. Could someone from Chrin please follow-up in these areas today?

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

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Faulch, Amy

From: Joe Klobusicky <jklobusicky@chrin.org>
Sent: Friday, October 6, 2023 8:06 AM
To: Faulch, Amy
Subject: [External] september 29 inspection followup
Attachments: Chrin Landfill Inspection follow up (9-29-2023 Inspection).pdf

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Hi Amy,

Attached are photos of areas that were seeded / prepped for seeding as a followup to the September 29 inspection. Also – gas wells that were off-line for the 3D cap prep were all hooked back up this week.

Joe k

Chrin Landfill Inspection follow-up





Seeded area
(East corner
9B)

10/04/2023 10:40



Regrading and
prep for
seeding (East
corner 9B)

10/04/2023 10:41

File Distribution:

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A. Faulch (PDF)

Chrin: Joseph Klobusicky
jklobusicky@chrin.org

Williams Township: Melody Ernst
mernst@williamstwp.org