

## 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>	Tom McMonigle	<b>Title</b>	Site Engineer
		<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>	06/28/2024 10:00 AM	<b>Inspection End Date</b>	06/28/2024 12:00 PM
<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.	273.214(a), (b)	13
No Violation	Adequate equipment on-site and stand-by equipment available. Remark: Chrin recorded 37 overweight vehicles in June 2024.	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 recorded seven nuisance loads in June 2024. 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 June 2024. There were no exceedances of the 2,000 ton daily limit. The greatest one-day tonnage in June was 670 tons on 6/10/24.	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 June: 22,121 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
<b>SPECIAL HANDLING AND RESIDUAL WASTES</b>			
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
<b>BONDING AND INSURANCE</b>			
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 June 28, 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"). Tom McMonigle provided a site tour and was interviewed on behalf of Chrin. See the 6/28/24 odor patrol log for weather details.

The following Department personnel entered the landfill since the last inspection on 5/29/24: A. Faulch on 5/29/24; R. Mullin on 6/17/24; M. Glogowski on 6/20/24; and A. Faulch on 6/28/24.

#### SITE TOUR:

Prior to entering Chrin, this inspector conducted an odor patrol in the surrounding area. A light, intermittent sewage odor was detected near the sewage treatment plant. A slight, intermittent landfill gas odor was detected along Industrial Dr. just east of the landfill entrance. No other odors were detected during this patrol. See the 6/28/24 odor patrol log for details.

Upon entry into the landfill, two trucks were dumping incoming waste in Cell 9B. Waste from the waste relocation project was also going to the working face in 9B. A moderate sludge odor was detected to the west of the working face from a recent incoming sludge load. Some landfill gas odor was also detected to the west of the working face entrance. A gas line was being relocated in this area and was offline at the time of this inspection. A spray bar mister was positioned to the west of the working face, and the perimeter line misters were in operation. A hose with neutralizer was employed at the working face.

MSE wall construction is ongoing in the former 501 building area. The Stage 10 Sedimentation Basin is being constructed, which will eventually replace the Tarragon Sedimentation Basin along the northeast access road. The North Sedimentation basin across industrial Drive is being cleaned out, and the sediment used as cover material. A truckwash was in operation along the north access road.

Flare 4 was in operation at 1750°F with a flow of 2150 cfm.

#### ODOR COMPLAINTS:

Since the last inspection report from 5/29/24 was issued on 6/6/24, the Department received four odor complaints. Odor patrols were conducted by the Department on 6/21/24 (efacts # 3782714) and 6/28/24 (efacts # 3787142).

### Check List Comments

**Line Item 14** - Adequate equipment on-site and stand-by equipment available.

**Remark:** Chrin recorded 37 overweight vehicles in June 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 logs and nuisance load logs were reviewed. Chrin recorded seven nuisance loads in June 2024. 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 June 2024. There were no exceedances of the 2,000 ton daily limit. The greatest one-day tonnage in June was 670 tons on 6/10/24.

**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 June: 22,121 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

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

<b>Inspector</b>		<b>Date</b>	07/02/2024
------------------	--	-------------	------------

Investigator: A. FaulchDate: 6/21/24CASE: Chrti LandfillWeather Conditions: Sunny, 76°F, wind SW @ 4mph

## 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)	
Freemansburg Ave	750	SL	1	O/G	"burnt" hair odor, slightly garbagy
King Ave	753	N			
Winfield Ter.	754	N			
Stender Dr.	758	N			
Freemansburg Ave	759	SL	1	O	very light "burnt" odor, less intense
335	802	N			
1-78 E	804	N			
MHR Industrial	808	SL	1	G	"fishy" garbage odor
Gedaru Industrial	809	SL	1	G	"fishy" garbage odor just near MHR
Morvale	811	N			
MHR	814	N			
Waltham Loop	816	N			
Mt. Top	816	N			
Spring Valley	817	N			
Clubhouse	820	N			
Turnberry	822	N			
Merion	823	N			
Clubhouse	826	N			

eFACTS # 3782714

CASE: Chrin Landfill

Investigator: A. Faulch Date: 6/21/24

**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)	
MHR	827	N			
MHR x Industrial	828	SL	I	G	very light "fishy" garbage odor
1-78 W	830	N			
33-N	835	N			
Freemansburg Ave	837	N			

Investigator: A. FaulchDate: 6/28/24CASE: Chrm LandfillWeather Conditions: Sunny, 71°F, wind NE @ 4mph, 42% 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	10 <sup>00</sup>	N			
MHRx Industrial	10 <sup>13</sup>	N			
Cedarville	10 <sup>14</sup>	N			
Knollwood	10 <sup>16</sup>	N			
Auburn	10 <sup>17</sup>	N			
Sewage Trt Plant	10 <sup>19</sup>	SL	I	S	light sewage odor
Congressional	10 <sup>22</sup>	N			
Clubhouse	10 <sup>23</sup>	N			
Turnberry	10 <sup>24</sup>	N			
Merton	10 <sup>25</sup>	N			
Water Tower	10 <sup>26</sup>	N			
Clubhouse	10 <sup>27</sup>	N			
Pinehurst	10 <sup>28</sup>	N			
Pine Valley	10 <sup>30</sup>	N			
Bethpage	10 <sup>31</sup>				
Watersford	10 <sup>32</sup>				
Prestwick	10 <sup>32</sup>				
Oldcourse	10 <sup>33</sup>				

eFACTS # 3787142

Investigator: A. FaulchDate: 6/28/24CASE: Chim 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	1033	N			
Oak Hill	1034	N			
Clubhouse	1036	N			
Spring Valley	1037	N			
Mt. Top	1041	N			
Wattman Loop	1041	N			
Morvale	1043	N			
Industrial	1047	<del>N</del> SL	I	LFG	light gas odor E of landfill entrance
MHR x Industrial	1050	N			
MHR	1050	N			
Morvale	1052	N			
Industrial	1056	SL	I	LFG	light gas odor E of landfill entrance
ENTER LANDFILL	1057				

## 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				unknown	Odor complaint called into Chrin. Chrin investigated on 6/10/24.						06/21/24	06/28/24
06/13/24	6:30	Merion Ln., Easton	1.744				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.						06/21/24	06/28/24
06/19/24	8:54	Winfield Terrace, Easton	2.530				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.						06/21/24	06/28/24
06/24/24	6:00	Spring Valley Rd., Easton	0.760				Residence	Smells like rotten garbage. Encountered at 6:00 AM, at home.						06/28/24	06/28/24





## 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	34,071	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	2,226,850	663,643	22,121	209	2,911,909	31,999	303
7/31/2023	JUL	0	-2,226,850	-71,834	-680			
8/31/2023	AUG	0	0	0	0			
9/30/2023	SEP	0	0	0	0	-2,226,850	-24,205	-229
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	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.

## Chrin Landfill Radiation Incident Log

Date	Company	Truck No.	Isotope	Reading FieldSpec μRem/Hr	Reading Scale Mon. kcpm	Status	Source
2/10/2020	Symons	306	I-131/Cr51	81	16.96	Disposed	Northampton MSW
12/30/2020	Chrin	513	Ga--67	47	20.5	Disposed	Lehigh Valley Hospital Cedar Crest
3/23/2021	Republic	2022	I-131	1.791mrem/hr	203	Disposed	Northampton County MSW
4/27/2021	Smale	5	I-131	126	24.25	Disposed	Northampton County MSW
5/5/2021	Republic	1201	I-131	298	46.45	Disposed	Northampton County MSW
4/27/2022	Berger	434	I-131	161	2440	Disposed	Lehigh County MSW
6/9/2023	Republic	3794	I-131	414	1652.5	Disposed	Northampton County MSW
6/21/2023	Republic	3794	I-131	300	251.6	Disposed	Northampton County MSW
<b>2/9/2024</b>	<b>Chrin</b>	<b>535</b>	<b>I-131</b>	<b>207</b>	<b>35.19</b>	<b>Disposed</b>	<b>Northampton County MSW</b>
<b>2/17/2024</b>	<b>Chrin</b>	<b>535</b>	<b>I-131</b>	<b>403</b>	<b>49.35</b>	<b>Disposed</b>	<b>Northampton County MSW</b>

Date (2024)	CH4 %	CO2%	O2%	BALANCE %	FLOW
Saturday, June 1, 2024	40.6	29.4	3.2	26.8	1880
Sunday June 2, 2024	41.6	31.1	3	24.3	1880
Monday June 3, 2024	40.7	30.5	3.1	25.7	1920
Tuesday June 4, 2024	41.1	29.8	4.1	25	1900
Wednesday June 5, 2024	41.6	31.1	3	24.3	1980
Thursday June 6, 2024	41.2	29.5	3.2	26.1	2000
Friday June 7, 2024	41.2	29.5	3.2	26.1	2000
Saturday June 8, 2024	40.8	30.2	3.1	25.9	2010
Sunday June 9, 2024	43.2	31.2	3.1	22.5	2100
Monday June 10, 2024	42.1	29.5	4.2	24.2	2100
Tuesday June 11, 2024	42.5	28.9	4.4	24.2	2050
Wednesday June 12, 2024	42.5	30.6	4.5	22.4	2100
Thursday June 13, 2024	42.2	28.1	4.4	25.3	2150
Friday June 14, 2024	42.5	29.4	4.1	24	2200
Saturday June 15, 2024	42.8	29.7	4.2	23.3	2200
Sunday June 16, 2024	41.1	29.8	4.1	25	2100
Monday June 17, 2024	41.8	29.3	4.6	24.3	2150
Tuesday June 18, 2024	42.5	29.8	4.4	23.3	2150
Wednesday June 19, 2024	42	29.3	4.6	24.1	2150
Thursday June 20, 2024	42.5	30.6	4.5	22.4	2100
Friday June 21, 2024	40.5	28.4	5	26.1	2050
Saturday June 22, 2024	41.6	31.1	3	24.3	2080
Sunday June 23, 2024	40.7	30.5	3.1	25.7	2100
Monday June 24, 2024	40.4	27.9	5	26.7	2200
Tuesday June 25, 2024	40.6	29.4	3.2	26.8	2500
Wednesday June 26, 2024	40.9	28.5	4.9	25.7	2500
Thursday June 27, 2024	43.2	31.2	3.1	22.5	2500
Friday June 28, 2024	38.9	27	5.8	28.3	2400
Saturday June 29, 2024	41.1	29.8	4.1	25	2510
Sunday June 30, 2024	41.8	29.3	4.6	24.3	2540



# CHRIN BROTHERS SANITARY LANDFILL

## ODOROUS LOAD REPORT FORM

Date	Time	Ticket #	Hauler	Truck #	Comments
12-10-21	8:02	852002	C Haul	508	Easton WWTP
4-27-22	10:44	865820	Berger	401	MSW - LC
6-13-22	10:35	870996	Berger ( <del>401</del> )	401	MSW - LC
5-15-23	9:12 A	904722	C Haul	513	MSW - LC
5-18-23	10:12	905181	C Haul	513	MSW - LC Grant 6074
5-24-23	7:22 A	905756	C Haul	502	MSW - BJ's #350
2-14-24	6:45 A	929395	Berger	446	Sludge #70
6-13-24	8:16 A	939710	Berger	446	Sludge #70
6-17-24	11:14 A	940018	C Haul	513	MSW - Bucks BJ #350
6-20-24	8:50 A	940351	C Haul	502	MSW - Weis #195 <sup>4 town</sup>
6-20-24	11:55 A	940395	C Haul	513	Weis #76 Emonaus
6-21-24	10:30 A	940497	C Haul	507	Sam's #6567 - Easton
6-21-24	2:03 P	940558	C Haul	513	Weis #39 - Madluther
6-25-24	11:40 A	940807	C Haul (inv @ 11:26)	513	Weis #182 Schneekire

## Faulch, Amy

---

**From:** Joe Klobusicky <jklobusicky@chrin.org>  
**Sent:** Monday, June 10, 2024 11:48 AM  
**To:** Faulch, Amy  
**Subject:** [External] FW: Odor Complaint  
**Attachments:** weather june 10 2024 chrin landfill.pdf

**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](#).

FYI

---

**From:** Tom McMonigle <tmcmonigle@chrin.org>  
**Sent:** Monday, June 10, 2024 11:47 AM  
**To:** 'Joe Black' (black.joe@rcn.com) <black.joe@rcn.com>  
**Cc:** Joe Klobusicky <jklobusicky@chrin.org>; Charlie R Chrin <charliec@chrin.org>  
**Subject:** Odor Complaint

Joe,

I received an odor complaint from you at 10:45 am today. You indicated that the complaint originated from the west end of Spring Valley Road. I drove up to the complaint area, and there were light garbage odors as I approached the western end of Spring Valley Road. I parked at the cell tower and remained there for approximately 5 minutes. Upon leaving the odors had dissipated, but I detected a faint scent from our mister lines. The wind was blowing out of the northwest in the direction of Spring Valley Road. See the attached weather report.

The misters lines were all running, and the working face was being sprayed. One of the portable mister trucks was down and needed mister product. I called the site superintendent, and he said that he would attend to the mister truck.

I will follow up with another odor patrol on Spring Valley Road in the early afternoon.

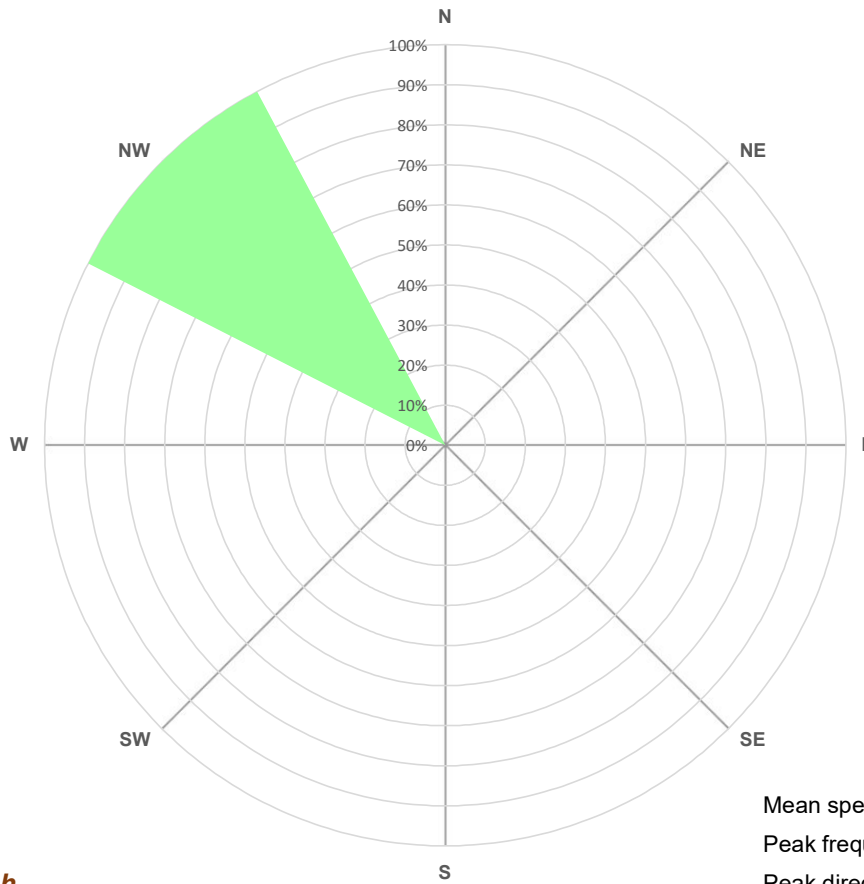
**Tom McMonigle, PE**  
Chrin Brothers, Inc.  
1225 Industrial Drive  
Easton, PA 18042

484-546-2579 (Office)  
215-983-2244 (Mobile)  
[tmcmonigle@chrin.org](mailto:tmcmonigle@chrin.org)



# Chrin Landfill

## Monday, June 10, 2024 - 10:45am



### Wind speed (m/s)

- 32.60 to 99.00
- 28.40 to 32.60
- 24.40 to 28.40
- 20.70 to 24.40
- 17.10 to 20.70
- 13.80 to 17.10
- 10.70 to 13.80
- 7.90 to 10.70
- 5.50 to 7.90
- 3.30 to 5.50
- 1.50 to 3.30
- 0.30 to 1.50

**Temp**  
**WS - 3-5mph**  
**WD - North / Northwest**  
**Bp - 29.70**  
**Rh - 20%**

Mean speed: 5.00  
Peak frequency: 100.00%  
Peak direction: NW  
Percent calm: 0.00%  
Calm defined as: < 0.30 m/s

## Faulch, Amy

---

**From:** Tom McMonigle <tmcmonigle@chrin.org>  
**Sent:** Monday, June 24, 2024 9:38 AM  
**To:** Melody Ernst  
**Cc:** 'Joe Black' (black.joe@rcn.com); Charlie R Chrin; Joe Klobusicky; Faulch, Amy  
**Subject:** [External] Spring Valley Road - Odor Complaint  
**Attachments:** weather 6 24 2024.pdf

**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](#).

Mel,

I followed up on the odor complaint that I received from you today at approximately 8:45 am. I confirmed intermittent odor on the western portion of Spring Valley Road from 8:50 am to 9:00 pm. Wind was blowing out of the northwest at approximately 15 mph (See attached weather printout) and the landfill working face was close to Spring Valley Road. Perimeter odor mister lines were operational as was a mister truck located between Spring Valley Road and the working face. Garbage was being actively sprayed at the working face.

2 loads of sludge were delivered to the landfill prior to the odor complaint which may have contributed to the offsite odor. Additional odor patrols will be run today to stay ahead of the situation.

**Tom McMonigle, PE**  
Chrin Brothers, Inc.  
1225 Industrial Drive  
Easton, PA 18042

484-546-2579 (Office)  
215-983-2244 (Mobile)  
[tmcmonigle@chrin.org](mailto:tmcmonigle@chrin.org)





# Chrin Landfill

Monday, June 24, 2024 - 8:30am



Wind speed (m/s)

- 32.60 to 99.00
- 28.40 to 32.60
- 24.40 to 28.40
- 20.70 to 24.40
- 17.10 to 20.70
- 13.80 to 17.10
- 10.70 to 13.80
- 7.90 to 10.70
- 5.50 to 7.90
- 3.30 to 5.50
- 1.50 to 3.30
- 0.30 to 1.50

**Temp - 74**  
**WS - 2-13 mph**  
**WD - West / Northwest**  
**Bp - 29.68**  
**Rh - 52%**

Mean speed: 13.00  
Peak frequency: 100.00%  
Peak direction: NW  
Percent calm: 0.00%  
Calm defined as: < 0.30 m/s

Electronic File Distribution:

Facility

Williams Township

R. Bellas/R. Miller

AQ: R. Mullin/ M. Bardzilouskas/C. Ostrowski

M. Glogowski

R. Malizia

A. Faulch

Chrin: Joseph Klobusicky

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

Williams Township: Melody Ernst

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