

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	Tom McMonigle	Title	Site Engineer
		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	07/05/2022 08:24 AM	Inspection End Date	07/05/2022 10:30 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) 12/01/2022		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.	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
Not Determined	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
Not Determined	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
Not Determined	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
Not Determined	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.	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.	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.	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
Not Determined	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
Not Determined	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
Not Determined	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.	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			
Not Determined	Gas venting and monitoring in accordance with approved plans.	273.292(a)-(d)	90
Not Determined	Combustible gas levels not exceeded.	273.292(e)	91
Not Determined	Forced gas venting if required.	273.292(f)	92
Not Determined	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 # GEC003617610		112A
	Insurer (company name) Greenwich Insurance Company		112B
	Expiration Date: 12/01/2022		112C

Comments

The PA Department of Environmental Protection (Department) conducted a routine complete inspection on July 5, 2022 at 0824 hours 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 7/5/2022 odor patrol log for weather details.

The following Department personnel have entered the landfill since the 5/6/22 inspection: A. Faulch and M. Vipond on 5/6/22; and A. Faulch on 7/5/22.

SITE TOUR:

Prior to entering the landfill, this inspector conducted an odor patrol in the areas surrounding the landfill. A very light, intermittent garbage odor was detected at the intersection of Morgan Hill Rd. and Industrial Dr. A light, intermittent sewage odor was detected near the sewage treatment plant. A light, intermittent "fishy" garbage odor was detected along Cedarville Rd. while following a roll-off hauling sewage sludge to the landfill, and also on Industrial Dr. while the same truck was exiting the landfill. A light, intermittent "soil"/"earthy" odor was detected along Clubhouse Dr. No other landfill-related odors were detected at the time of this inspection. See attached 7/5/22 odor patrol log for details.

This inspector entered the landfill at 0910 hours. One trucks was dumping at the working face in Cell 9A. The light "fishy" garbage odor from the recently dumped sewage sludge load was detected just to the east of the working face. A hose was spraying water and odor neutralizer on the working face. Perimeter line odor control misters were in operation. The waste flagging observed in an area on the top northeast slopes during the 5/6/22 inspection has been corrected, and these slopes have been recovered. Chrin has also completed some seep repairs in this area. The site access roads were dry, and a water truck was observed in use for dust suppression.

Chrin is continuing to relocate waste from the 3E area and prepare the Stage 3D area for final capping, however this work has been paused to focus on the lining of Stage 9B. Chrin has continued blasting in the expansion area, and the liner crew was on site to begin liner installation in Stage 9B. The site area on the north side of Industrial Drive has been cleared in preparation for the new maintenance building.

Chrin has terminated its partnership with EPP, and has ceased sending landfill gas to the landfill gas-to-energy plant. Chrin has communicated with the Department regarding their evaluation of future gas-to-energy options, however no plan is yet in place. Flares 3 was in operation at the time of this inspection at 1380 scam and 1785°F.

COMPLAINT INVESTIGATIONS:

The Department received one odor complaint since the last inspection on 5/6/22. See attached odor complaint log. Complaints were followed up with odor patrols conducted by the Department on 6/21/22 and 7/5/22.

Check List Comments

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

Remark: Chrin had 58 overweight trucks in May and 68 overweight trucks in June 2022.

Line Item 20 - Operator implements nuisance minimization and control plan.

Remark: Line item #20-23: Daily inspection logs were reviewed by at the time of this inspection. 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 tonnage records were reviewed. There did not appear to be any exceedances of the 2,000-ton daily limit. The greatest one-day tonnages to date are as follows: 5/31/22: 1093 tons 6/1/22: 957 tons 7/1/22: 708 tons to date

Line Item 25 - Operator implements radiation protection action plan.

Remark: Line item #25-31: Radiation source checks were reviewed on site. Chrin has had no radiation hits since the last inspection.

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

Remark: Leachate flow rates are as follows: May 2022: 80,296 gallons per day June 2022: 50,317 gallons per day

Line Item 90 - Gas venting and monitoring in accordance with approved plans.

Remark: Line item #90-93: Due to the termination of Chrin's relationship with EPP, the Department requested that Chrin provide an alternative plan for beneficial use for their landfill gas, in accordance with the approved plans included with the Eastern Expansion and Overlay application. As per Mr. McMonigle, Chrin has completed a gas study, and is working on some new engines for energy recovery.

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

Remark: Chrin published their Public Notice of Recycling in the Morning Call on 7/1/22.

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	07/07/2022

Investigator: A. Faulen Date: 5/23/22 CASE: Chirn Landfill
 Weather Conditions: Sunny, 63°F, wind NE @ 9mph, 54% H. ODOR PATROL SURVEY

SURVEY LOCATION	TIME	ODOR INTENSITY	ODOR DURATION	ODOR DESCRIPTION	EFFECTS # 3366394
		S = Strong M = Moderate SL = Slight N = None	P = Persistent I = Intermittent N = None	EG = Rotten Egg LFG = Landfill Gas G = Garbage S = Sewage D = Dredge O = Other (describe)	
1-78	929	N			
MHR Industrial	931	N			
Cedarville	932	N			
Kellwood	934	N			
Auburn	935	N			
Sewage Trt Plant	940	M	P	S	Sewage odor near STP.
Congressional	943	N			
Clubhouse	944	N			
Timberly	946	N			
Water Tower	946	N			
Clubhouse	949	N			
Pinehurst	951	N			
Bethpage	952	N			
Waterford	952	N			
Prestwick	953	N			
Old Course	953	N			
St. Andrews	954	N			
Oak Hill	955	N			

CASE: Chirn Landfill

ODOR PATROL SURVEY

[illegible]

Investigator: A. Fawcett Date: 6/21/22 CASE: China Landfill
 Weather Conditions: Fair, 76°F, wind WSW @ 4mph, 48% H. ODOR PATROL SURVEY

SURVEY LOCATION	TIME	ODOR INTENSITY S = Strong M = Moderate SL = Slight N = None	ODOR DURATION P = Persistent I = Intermittent N = None	ODOR DESCRIPTION EG = Rotten Egg LFG = Landfill Gas G = Garbage S = Sewage D = Dredge O = Other (describe)	COMMENTS & OBSERVATIONS
1-78	1240	SL	I	D	"dead animal" odor on exit ramp (dead deer on ramp)
MHR x Industrial	1243	N			
Cedarville	1243	N			
Krollwood	1244	N			
Auburn	1248	N			
Sewage Trt. Plant	1250	M	P	S	moderate sewage odor near STP
Congressional	1254	N			
Clubhouse	1255	N			
Merion	1256	N			
Wildcat Tunnel	1258	N			
Clubhouse	1259	N			
Pinehurst	1300	N			
Bethpage	1301	N			
Waterford	1301	N			
Pleasantville	1302	N			
Old Course	1302	N			
St. Andrews	1303	N			
Duke Hill	1304	N			

Investigator: A. Faulch Date: 6/21/22
Weather Conditions: _____

CASE: Chinn last 11

ODOR PATROL SURVEY

[illegible]

Investigator: A. Faulch Date: 7/5/22
 Weather Conditions: Sunny, 75°F, wind SSW @ 4mph, 65% H.

CASE: Chrin Landfill
 ODOR PATROL SURVEY

SURVEY LOCATION	TIME	ODOR INTENSITY S = Strong M = Moderate SL = Slight N = None	ODOR DURATION P = Persistent I = Intermittent N = None	ODOR DESCRIPTION EG = Rotten Egg LFG = Landfill Gas G = Garbage S = Sewage D = Dredge O = Other (describe)	COMMENTS & OBSERVATIONS
1-78	824	N			
MtRx Industrial	826	SL	1	G	very light garbage odor
Cedarville	827	N			
Kallowheel	829	N			
Auburn	830	N			
Sewage Trt. Plant	833	SL	1	S	light sewage odor
Cedarville	834	SL	1	G	light "fishy" garbage odor while following garbage truck.
Congressional	836	N			
Clubhouse	837	SL	1	O	light "soil"/"earthy" odor
Turnberry	838	N			
Water Tower	839	N			
Clubhouse	842	N			
Pinehurst	843	N			
Bethpage	845	N			
Wentworth	845	N			
Preswick	846	N			
Old Course	848	N			
St. Andrew	847	N			

EFAC TS 1D # 3388219

CASE: Chrin Landfill
ODOR PATROL SURVEY

[illegible]

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)		
01/23/22	9:47	Merion Ln., Easton	1.744		20	West 2-6mph	Residence	heavy gas odor & methane smell from the landfill on property.		521	674		1195	01/27/22	02/02/22
03/15/22	9:33	Merion Ln., Easton	NA		45	Northeast 0-1mph	Drive-by	Drive-by complaint. The entire length of the landfill is giving off a horrible gas odor.		1447			1447	03/25/22	05/06/22
06/08/22	10:15	unknown	unknown				unknown	Odor complaint called in to Chrin Landfill (not received by PADEP). Chrin followed-up on 6/8/22.						06/08/22	07/05/22

2022	Daily	Total Week	Month Average	Day	Total Month	Total Quarter
May						
1		4,324.11			0.0	17,775.6
2	889.4		889.4	1	889.4	18,665.0
3	859.6		874.5	2	1,749.0	19,524.6
4	782.7		843.9	3	2,531.7	20,307.3
5	873.3		851.3	4	3,405.0	21,180.6
6	711.8		823.4	5	4,116.8	21,892.4
7	100.9		703.0	6	4,217.7	21,993.3
8		4,217.70			4,217.7	21,993.3
9	914.6		733.2	7	5,132.3	22,907.9
10	871.4		750.5	8	6,003.7	23,779.3
11	777.2		753.4	9	6,780.9	24,556.5
12	870.4		765.1	10	7,651.3	25,426.9
13	756.4		764.3	11	8,407.7	26,183.3
14	135.7		712.0	12	8,543.4	26,319.0
15		4,325.70			8,543.4	26,319.0
16	933.1		729.0	13	9,476.5	27,252.1
17	845.4		737.3	14	10,321.9	28,097.5
18	765.3		739.1	15	11,087.2	28,862.8
19	820.2		744.2	16	11,907.4	29,683.0
20	749.8		744.5	17	12,657.2	30,432.8
21	131.6		710.5	18	12,788.8	30,564.4
22		4,245.40			12,788.8	30,564.4
23	892.6		720.1	19	13,681.4	31,457.0
24	926.3		730.4	20	14,607.7	32,383.3
25	794.5		733.4	21	15,402.2	33,177.8
26	922.3		742.0	22	16,324.5	34,100.1
27	799.4		744.5	23	17,123.9	34,899.5
28	139.4		719.3	24	17,263.3	35,038.9
29		4,474.50			17,263.3	35,038.9
30	Holiday		690.5	25	17,263.3	35,038.9
31	1,093.8		664.0	26	17,263.3	36,132.7
Month Total						
18,357.1						

2022	Daily	Total Week	Month Average	Day	Total Month	Total Quarter
June						
1	957.3		957.3	1	957.3	37,090.0
2	955.2		956.3	2	1,912.5	38,045.2
3	823.5		912.0	3	2,736.0	38,868.7
4	255.7		747.9	4	2,991.7	39,124.4
5		4,085.51			2,991.7	39,124.4
6	884.4		775.2	5	3,876.1	40,008.8
7	924.7		800.1	6	4,800.8	40,933.5
8	797.3		799.7	7	5,598.1	41,730.8
9	843.0		805.1	8	6,441.1	42,573.8
10	837.6		808.7	9	7,278.7	43,411.4
11	110.9		739.0	10	7,389.6	43,522.3
12		4,397.90			7,389.6	43,522.3
13	874.8		751.3	11	8,264.4	44,397.1
14	830.1		757.9	12	9,094.5	45,227.2
15	816.5		762.4	13	9,911.0	46,043.7
16	823.5		766.8	14	10,734.5	46,867.2
17	755.5		766.0	15	11,490.0	47,622.7
18	114.8		725.3	16	11,604.8	47,737.5
19		4,215.19			11,604.8	47,737.5
20	739.9		726.2	17	12,344.7	48,477.4
21	771.6		728.7	18	13,116.3	49,249.0
22	793.8		732.1	19	13,910.1	50,042.8
23	772.1		734.1	20	14,682.2	50,814.9
24	707.6		732.8	21	15,389.8	51,522.5
25	119.7		705.0	22	15,509.5	51,642.2
26		3,904.70			15,509.5	51,642.2
27	851.3		711.3	23	16,360.8	52,493.5
28	753.2		713.1	24	17,114.0	53,246.7
29	737.1		714.0	25	17,851.1	53,983.8
30	710.6		713.9	26	18,561.7	54,694.3
Month Total						
18,561.7						
Quarter Total						
54,694.3						

2022	Daily	Total Week	Month Average	Day	Total Month	
JULY						
1	708.3		708.3	1	708.3	708.3
2	129.8		419.1	2	838.1	838.1
3		838.10			838.1	838.1
4	Holiday					838.1
5			279.4	3	838.1	838.1
6			209.5	4	838.1	838.1
7			167.6	5	838.1	838.1
8			139.7	6	838.1	838.1
9			119.7	7	838.1	838.1
10		0.00			838.1	838.1
11			104.8	8	838.1	838.1
12			93.1	9	838.1	838.1
13			83.8	10	838.1	838.1
14			76.2	11	838.1	838.1
15			69.8	12	838.1	838.1
16			64.5	13	838.1	838.1
17		0.00			838.1	838.1
18			59.9	14	838.1	838.1
19			55.9	15	838.1	838.1
20			52.4	16	838.1	838.1
21			49.3	17	838.1	838.1
22			46.6	18	838.1	838.1
23			44.1	19	838.1	838.1
24		0.00			838.1	838.1
25			41.9	20	838.1	838.1
26			39.9	21	838.1	838.1
27			38.1	22	838.1	838.1

Chrin Brothers Sanitary Landfill

2022 Leachate Flow Summary

Leachate

Reading Date	Month	Reading	Monthly Flow	Gallons Per Day	GPD Per Acre	Quarterly Flows		
						Flow	Gal/Day	GPD/Ac
12/31/2021	DEC	18,970,844	1,205,254					
1/31/2022	JAN	327,946	913,112	29,455	279			
2/28/2022	FEB	2,010,076	1,682,130	60,076	569			
3/31/2022	MAR	4,003,208	1,993,132	64,295	609	4,588,374	50,982	483
4/30/2022	APR	6,449,176	2,445,968	81,532	772			
5/31/2022	MAY	8,938,336	2,489,161	80,296	760			
6/30/2022	JUN	10,447,837	1,509,501	50,317	476	6,444,629	70,820	671
7/31/2022	JUL	0	-10,447,837	-337,027	-3,192			
8/31/2022	AUG	0	0	0	0			
9/30/2022	SEP	0	0	0	0	-10,447,837	-113,563	-1,075
10/31/2022	OCT	0	0	0	0			
11/30/2022	NOV	0	0	0	0			
12/31/2022	DEC	0	0	0	0	0	0	0
Total Yearly Flow			1,790,420	4,905	46			

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

Faulch, Amy

From: Joe Klobusicky <jklobusicky@chrin.org>
Sent: Friday, May 20, 2022 8:48 AM
To: Faulch, Amy; Katie Faubert; Melody Ernst; Mikal Sabatine
Subject: [External] RE: leachate seep repairs Monday May 16th
Attachments: leacahte seep repair and slope recovering 5 20 2022.pdf

ATTENTION: This email message is from an external sender. Do not open links or attachments from unknown sources. To report suspicious email, forward the message as an attachment to CWOPA_SPAM@pa.gov.

FYI – leachate seep repairs are complete and the slopes are being re-covered. Photos attached.

From: Joe Klobusicky
Sent: Tuesday, May 17, 2022 5:54 AM
To: Faulch, Amy <afaulch@pa.gov>; Katie Faubert <kfaubert@williamstwp.org>; Melody Ernst <mernst@williamstwp.org>; Mikal Sabatine <MSabatine@williamstwp.org>
Subject: RE: leachate seep repairs Monday May 16th

Good Morning,

We were able to repair most areas yesterday. We will continue with this work today.

Sincerely,

Joe Klobusicky

From: Joe Klobusicky
Sent: Friday, May 13, 2022 1:21 PM
To: Faulch, Amy <afaulch@pa.gov>; Katie Faubert <kfaubert@williamstwp.org>; Melody Ernst <mernst@williamstwp.org>; Mikal Sabatine <MSabatine@williamstwp.org>
Subject: leachate seep repairs Monday May 16th

FYI

We will be starting repairs on leachate seeps that have occurred this week. The repairs will take place on Monday, May 16, 2022. There is potential for odor on Industrial Drive near the 501 Maintenance building. The slopes will be recovered upon completion of the work. Please let me know if you have any questions. Thank you.

Sincerely,

joe Klobusicky

Leachate Seep Repair Areas (Work to be done 5/16/2022)

(Eastern portion of the landfill – upper slope of stage 8)



Leachate seep repair / slope recovering 5/20/22







05/20/2022 08:17

Faulch, Amy

From: Joe Klobusicky <jklobusicky@chrin.org>
Sent: Wednesday, June 8, 2022 11:41 AM
To: Faulch, Amy; Mikal Sabatine; Katie Faubert; Melody Ernst
Cc: Charlie R Chrin; Tom McMonigle; Gregchrin@aol.com
Subject: [External] odor complaint
Attachments: Odor Complaint followup June 8 2022.pdf

ATTENTION: *This email message is from an external sender. Do not open links or attachments from unknown sources. To report suspicious email, forward the message as an attachment to CWOPA_SPAM@pa.gov.*

Hi Amy,

We received a compliant via phone call at approximately 10:15am. Charlie and I did a patrol of the areas around the landfill and did not get any landfill related odor. I did get a sewer type odor on Morgan Hill.....Mobile Dredging Company was cleaning out inlets along Morgan Hill.

We will continue to monitor. Report attached.

Sincerely,

Joe Klobusicky

Landfill Complaint/Incident Form

For Complaint ID:

Attn.: file

CONTACT INFORMATION:

Received via: **Phone Call** Visit o Letter

Name: Unknown – Caller would not identify

Date: 6/8/2022

Telephone No.: _____ Time: approx. 10:15AM

Address: Unknown – caller would not identify

Type / Description: Not identified -

Action to Confirm:

The complaint was received phone call. Caller would not identify type of odor or location. Charlie Chrin / Joe Klobusicky did followup patrol

Follow-Up:

10:35 – leave landfill site

10:40am – Morgan Hill curve – sewer type odor noted...Mobile Dredging company was cleaning out inlets along Morgan Hill.

10:50am – arrive at cell tower. No initial odor noted.

11:15pm – left cell tower and proceeded on Spring Valley Road. There was no odor on Spring Valley Road.

11:30pm -arrive at the working face. The water truck / sprayer was situated at the working face directly at the truck dumping area. There was odor directly at the working face.

Additional patrols will be done this afternoon.

Additional Information:

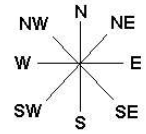
No nuisance loads at the time of complaints. Residential route trucks with MSW were dumping at the time.

Landfill Complaint/Incident Form

For Complaint ID: _____

Attn.: file

Location map – June 8, 2022



**Mobile
Dredging
inlet cleaning
operation**

**Working
Face**

Cell Tower

**Spring
Valley
Road**

Weather:

- Temp – 75 degrees
- WD – Southeast
- WS – 7mph
- Rh – 57%
- Bp – 29.92

File Distribution:

PA DEP NERO WM File-thru A. Faulch
Facility-sent via Email PDF
Williams Township- sent via Email PDF
R. Bellas/D. Ritter (email PDF)
AQ: C. Madden /M. Bardzilouskas (email PDF)
M. Glogowski (email PDF)
R. Malizia (email PDF)
A. Faulch (PDF)

Chrin: Joseph Klobusicky
jklobusicky@chrin.org

Williams Township: Melody Ernst
mernst@williamstwp.org