

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	JEREMY T SCHEIVERT	Telephone #	(484) 221-4626
Additional Personnel	AMY E FAULCH	Title	SLD WSTE SPCST
Site ID	238053	Title	----
PF ID	240650	Client ID	42952
Inspection Start Date	10/25/2022 09:30 AM	SF ID	201820
Inspection Type	RTNC - Routine/Complete Inspection	Inspection End Date	10/25/2022 11:00 AM
Permit Expiration Date	01/06/2030	Inspection Result	No Violations Noted
		Days/Week Operated	----
		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

Not Determined	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

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
Not Determined	Litter controlled/collected and barriers/fences in place.	273.220(a)-(c)	51
COVER/SLOPES/REVEGETATION			
Not Determined	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.	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 25 October 2022 at Chrin Bros. Sanitary Landfill ("Chrin") Representing the Department was Amy Faulch and Jeremy Scheivert ("this inspector"). Joseph Klobusicky provided a site tour and was interviewed on behalf of Chrin. See the 10/25/22 odor patrol survey for weather details

No other Department personnel have entered the landfill since the partial inspection on 9/28/22.

SITE TOUR

Prior to entering Chrin, this inspector and Amy Faulch conducted an odor patrol survey in the areas surrounding the facility. A slight intermittent odor of landfill gas was detected on I-78E at 0833 hours. A slight intermittent odor of landfill gas was detected on Hilton St. at 0836 hours. A slight intermittent odor of landfill gas was detected at the intersection of Morgan Hill Rd. and Industrial Dr. at 0843 hours and at 0909 hours. A slight intermittent odor of both landfill gas and garbage was detected on

Congressional Dr. at 0907 hours. No other offsite odors associated with Chrin were detected during the survey.

This inspector and Amy Faulch entered the landfill at 0930 hours. During the site tour, this inspector viewed the recycling drop-off, small truck-drop-off area, scale, truck wash, Flare 3 and 4 (outside), new cell construction (9B), new maintenance building construction, leachate tanks, new pad for a leachate tank, 3D final capping, and the working face.

The working face was located at cell 9A. This inspector noted a light odor of garbage emanating from the working face. Four waste trucks were tipping or waiting to tip at the time of this inspection. Chrin was operating one compactor and one dozer. Near the working face a semi-permanent litter fence was in place. A watering truck was employed at the working face and the perimeter line misters were in operation. This inspector noted some trash along the approach road and considerable flagging in areas of cell 9A adjacent to the working face.

Flare 3 was in operation during the inspection with a temperature of 1748°F and a flow of 1810 scfm.

The final capping project in the 3D area is ongoing as is the preparation of the pad for relocation of one of the leachate tanks. Chrin is still blasting to the east in preparation for 9B cell construction.

ODOR COMPLAINTS

The Department received zero odor complaints since the last inspection. The Department conducted an odor patrol survey on 10/28/22.

Check List Comments

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

Remark: Chrin inbound and outbound scales were last calibrated on 1/26/22. Chrin had 35 overweight trucks in September 2022.

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

Remark: Daily odor patrol logs were reviewed since the last 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 tonnages were reviewed since the last inspection. There were no exceedances of the 2,000 ton limit. The greatest one day tonnages are as follows: 09/06/22 - 890 tons. 10/21/22 - 619 tons (as of 10/24/22).

Line Item 25 - Operator implements radiation protection action plan.

Remark: The stationary and handheld radiation monitors were last calibrated on 07/05/22 and 08/12/22, respectively. Radiation source checks were reviewed since the last inspection and appear to be complete. Chrin had zero radiation hits since the last inspection.

Line Item 51 - Litter controlled/collected and barriers/fences in place.

Remark: Some litter was observed along access roads, and along the southern landfill slopes.

Line Item 52 - Daily/intermediate cover meets performance and design requirements.

Remark: Line Item #32 & 52: Considerable waste flagging was observed in some areas adjacent to the working face in 9A and the access roads leading to the working face. Chrin is reminded that daily cover shall meet the performance standards outlined in 25 Pa. Code 272.232, and/or any intermediate cover must be applied within seven days and be at least 12 inches in thickness, in accordance with 25 Pa. Code 272.233.

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

Remark: The leachate flow rate for September was 51,837 gallons per day.

Inspection Report Signature Page

This inspection report is notice of the findings of an inspection conducted by a representative of the Department. This report is formal notification of any violations observed during the inspection. Additional notification of violations may be issued concerning either Violations noted herein, or other violations identified as a result of review of laboratory analyses. This report does not constitute an order or other appealable action of the Department. Nothing contained herein shall be deemed to grant or imply immunity from legal action for any violation noted herein. Signature by the persons interviewed does not necessarily imply concurrence with the findings of this report, but does acknowledge that the person was shown the report or that a copy was left with the person.

Signatures

Person Interviewed	Unable To Obtain Reason: Sent to facility via Email	Date	--/--
Inspector	<div style="border: 1px solid black; width: 100px; height: 80px; display: flex; align-items: center; justify-content: center;"> </div>	Date	27 Oct. 22

Investigator: J. Schriener, A. Faulk Date: 25 Oct 2022
 Weather Conditions: GDF Cloudy Drizzle East Zaph H=100%

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	COMMENTS & OBSERVATIONS	
				EG = Rotten Egg LFG = Landfill Gas G = Garbage S = Sewage D = Dredge O = Other (describe)		
78E	833	SL	I	LFG	eFACTS# 3445813	
Magan Hill Rd	835	N				
Belmont	835	/				
Industrial Drive N	835	N				
Hilton	836	SL	I	LFG		Near Apr packaging
Magan Hill Rd/Industrial	843	SL	I	LFG		
Cedarville Rd	844	N				
Cedar Park	845	/				
Knollwood Dr	845	/				
Arbun Dr.	846	/				
Cedar Park	847	/				
Sewage T. Plant	850	/				
Cedarville Rd	850	/				
Congressional Dr.	851	/				
Clubhouse	853	/				
Tunberry	854	/				
Merion	854	/				
Tunberry/water tower	855	N				

Investigator: J. Scheibert, A. Faulch Date: 25 OCT 2022

CASE: Chris 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 EG = Rotten Egg LFG = Landfill Gas G = Garbage S = Sewage D = Dredge O = Other (describe)	COMMENTS & OBSERVATIONS
Clubhouse Rd	858	N			
Pinehurst Dr.	859				
Bethpage terr.	900				
Wahafad Dr.	900				
Presnick Dr	901				
Old course Dr.	901				
St. Andrews Dr.	902				
OAK Hill CT	902				
clubhouse Dr.	903				
Pine Valley Trvr	903				
clubhouse Dr.	905	N			
Compressiaal	907	SL	I	G/LFG	Near jctnw of Cedarville rd
Cedarville rd	908	N			
Magan Hill / Indushol	909	SL	I	G	
Spring Valley Rd	910	SL	I	O	Lanndry / wood burning
Mountain Fox rd	918	N			
Waltham Loop	918				
Magan Hill Rd	919	N			

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: R. Mullin /M. Bardzilouskas (email PDF)
M. Glogowski (email PDF)
R. Malizia (email PDF)
J. Scheivert/ A. Faulch (PDF)

Chrin: Joseph Klobusicky
jklobusicky@chrin.org

Williams Township: Melody Ernst
mernst@williamstwp.org