



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WASTE MANAGEMENT
P.O. BOX 8472, HARRISBURG, PA 17105-8472

Inspection ID 3173698

Field Code _____

INSPECTION REPORT – MUNICIPAL WASTE LANDFILL

Site I.D. 100022Site Name Chrin Bros. Sani Ldfl.Address 1225 Industrial DriveEaston, PA 18042Municipality Williams TownshipResponsible Official Gregory ChrinPerson Interviewed Joseph KlobusickyInspector Amy FaulcheFACTS ID # PF 240650SF 201820Telephone # 610-253-6144Operator Name Chrin Bros. IncAddress 1225 Industrial DriveEaston, PA 18042County NorthamptonTitle Owner/OperatorTitle Environmental ManagerTitle Solid Waste SupervisorComment: Additional eFACTS # 317397, 3139402, 3158236Inspection Date: 01 / 13 / 2021 Type: RTNC Results: NOVIO Resolved: / /Permit Expiration Date: 01 / 06 / 2030 Days/Week Operated: 6 Max. Daily Volume: 2000

1 - No Violation Observed 2 - Not-Applicable 3 - Not-Determined 4 - Non-Compliance

STATUS				REVISION	COMMENTS ATTACHED	CHAPTER CITATION	LINE ITEM
1	2	3	4				
				GENERAL PROVISIONS			
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Required insurance in effect (expiration date <u>12/01/2021</u>)	<input type="checkbox"/>	271.371	1
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Operation in accordance with approved plans and permit.	<input type="checkbox"/>	273.201(c)(2)	2
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Operation within permit boundaries (vertical and horizontal).	<input type="checkbox"/>	273.201(c)(2)	3
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Disposal Timing and sequence as per Section 273.112(1).	<input type="checkbox"/>	273.201(c)(2)	4
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	No unapproved wastes or liquids.	<input type="checkbox"/>	273.201(d)-(m)	5
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Isolation distances are adhered to.	<input type="checkbox"/>	273.202(a)	6
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Facilities certification requirements followed.	<input type="checkbox"/>	273.203(a), (b)	7
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Written Department approval of new construction prior to waste disposal.	<input type="checkbox"/>	273.203(c)	8
				DAILY OPERATIONS			
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Proper signs posted.	<input type="checkbox"/>	273.211(a)	9
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Site perimeter clearly marked and grid coordinate system in use.	<input type="checkbox"/>	273.311(b)-(d)	10
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Proper barriers installed around site and access controlled when attendant not present.	<input type="checkbox"/>	273.212(a)-(i)	11
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Access roads maintained and negotiable by collection vehicles.	<input type="checkbox"/>	273.213(a)-(i)	12
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Approved means of measuring and inspected waste utilized.	<input checked="" type="checkbox"/>	273.214(a), (b)	13
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Adequate equipment on-site and stand-by equipment available.	<input type="checkbox"/>	273.215(a), (b)	14
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vehicles directed promptly to unloading area and promptly unloaded.	<input type="checkbox"/>	273.216(a), (b)	15
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Solid waste spread and compacted as approved by Department as part of permit.	<input type="checkbox"/>	273.216(c)	16
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	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.	<input type="checkbox"/>	273.217(a)	17
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Operator complies with Air Quality Plan approval and Air quality Operating Permit.	<input type="checkbox"/>	273.217(b)	18

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INSPECTION REPORT – MUNICIPAL WASTE LANDFILL (Cont'd)

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1	2	3	4				
				DAILY OPERATIONS (Cont'd)			
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Operator does not cause or allow attraction, harborage, or breeding of vector.	<input type="checkbox"/>	273.218(a)	19
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Operator implements nuisance minimization and control plan.	<input checked="" type="checkbox"/>	273.218(b)(1)	20
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Operator performs regular, frequent, and comprehensive site inspections to reduce potential for offsite odors.	<input checked="" type="checkbox"/>	273.218(b)(2)	21
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Operator promptly addresses and correct problems and deficiencies discovered during inspections.	<input checked="" type="checkbox"/>	273.218(b)(3)	22
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	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.	<input checked="" type="checkbox"/>	273.218(c)	23
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Operator does not receive solid waste at a landfill in excess of the maximum or average daily volume approved in the permit.	<input checked="" type="checkbox"/>	273.221(a)	24
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Operator implements radiation protection action plan.	<input checked="" type="checkbox"/>	273.223(a)	25
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	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.	<input checked="" type="checkbox"/>	273.223(b)	26
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Radiation detector elements shall be as close as practical to wasteload and in appropriate geometry to monitor the waste.	<input checked="" type="checkbox"/>	273.223(c)	27
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	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.	<input checked="" type="checkbox"/>	273.223(d)	28
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Operator notifies Department immediately and isolates vehicle when radiation dose rates are exceeded.	<input checked="" type="checkbox"/>	273.223(e)	29
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Monitoring equipment is calibrated at frequency specified by manufacturer, but not less than once a year.	<input checked="" type="checkbox"/>	273.223(f)	30
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	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.	<input checked="" type="checkbox"/>	273.223(g)	31
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	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.	<input type="checkbox"/>	273.232(a)	32
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	If intermediate cover requires revegetation, it is established within 30 days.	<input type="checkbox"/>	273.233(e)	33
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Slopes constructed during daily landfilling and intermediate cover activities may not exceed 50 percent.	<input type="checkbox"/>	273.233(f)	34
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Operator does not cause or allow waste pollution within or outside the site from operation of the facility.	<input type="checkbox"/>	273.241(a)-(c)	35
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Operator has restored or replaced adversely affected water supply with an alternative source of like quantity and quality.	<input type="checkbox"/>	273.245(a)	36
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Temporary water supply is provided within 48 hours.	<input type="checkbox"/>	273.245(b)	37
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Permanent water supply is provided within 90 days.	<input type="checkbox"/>	273.245(c)	38
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	No waste 15 feet of inside top of the lined perimeter berm.	<input type="checkbox"/>	273.252(e)	39

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1	2	3	4				
				DAILY OPERATIONS (Continued)			
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Lined perimeter berm 4 ft. high constructed and maintained along edge of the lined disposal area.	<input type="checkbox"/>	273.252(f)	40
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Edge of liner clearly marked.	<input type="checkbox"/>	273.252(g)	41
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Alternate leachate recirculation method may be used if approved if one of the liner systems is a composite liner.	<input type="checkbox"/>	273.274(b)	42
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Underground pipes used to transport leachate to leachate storage impoundments or tanks equipped with secondary containment or comply with 245.445.	<input type="checkbox"/>	273.275(g)	43
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Operator isolates coal seams, coal outcrops and coal refuse from waste deposits to prevent combustion of waste and damage to liner.	<input type="checkbox"/>	273.291(a)	44
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mine openings within site sealed as approved by Department.	<input type="checkbox"/>	273.291(b)	45
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Operator implements plan for controlling potential damage from subsidence submitted and approved under 273.120.	<input type="checkbox"/>	273.291(c)	46
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	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.	<input type="checkbox"/>	273.301	47
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	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.	<input type="checkbox"/>	273.302(a)	48
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Emergency equipment tested and maintained.	<input type="checkbox"/>	273.302(c)	49
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Adequate space maintained to allow unobstructed movement of emergency personnel and equipment.	<input type="checkbox"/>	273.302(d)	50
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Litter controlled/collected and barriers/fences in place.	<input type="checkbox"/>	273.220(a)-(c)	51
				COVER/SLOPES/REVEGETATION			
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Daily/intermediate cover meets performance and design requirements.	<input type="checkbox"/>	273.232(b), 273.233(b), (c)	52
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Minimum 5 day supply of daily and intermediate cover maintained on-site.	<input type="checkbox"/>	273.232(c) & 273.233(d)	53
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Intermediate cover applied within time limits.	<input type="checkbox"/>	273.233(a)	54
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Intermediate slopes do not exceed 50%.	<input type="checkbox"/>	273.232(d)	55
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cap placed over entire surface of final lift meets performance standards.	<input type="checkbox"/>	273.234(a)(1)	56
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Final cover meets performance and design requirements; applied within time limits.	<input type="checkbox"/>	273.234(b)-(e)	57
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Final slopes stable and erosion controlled.	<input type="checkbox"/>	273.234(f)	58
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Final slopes graded 3-15% or terraced to 33% as approved.	<input type="checkbox"/>	273.234(g)	59
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Minimum revegetation and successful revegetation requirements adhered to.	<input type="checkbox"/>	273.235(a)-(e) & 273.236(a), (b)	60
				WATER QUALITY PROTECTION			
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Surface and groundwater treatment facilities properly operated and maintained.	<input type="checkbox"/>	273.241(b)	61
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Surface water percolation minimized/prevented.	<input type="checkbox"/>	273.242(b)(1) & 273.234(e)(4)	62

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1	2	3	4				
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Soil erosion and sedimentation controls designed and implemented as per approved plans; gullies over nine inches repaired.	<input type="checkbox"/>	273.242(a)-(c)	63
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Sedimentation ponds and discharge structures designed, constructed, operated, and maintained in accordance with Chapters 273, 102, and 105.	<input type="checkbox"/>	273.243(a)-(g) & 273.244	64
				LINER SYSTEM			
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Liner system designed, constructed, operated, and maintained when required.	<input type="checkbox"/>	273.251(a), (b)	65
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	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).	<input type="checkbox"/>	273.252(d)	66
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Leachate detection zone monitored weekly.	<input type="checkbox"/>	273.255(c)	67
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Protective cover protects primary liner and leachate collection system and allows free flow of leachate into the collection system.	<input type="checkbox"/>	273.257(a)	68
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Protective cover meets minimum requirements and at least 18 inches thick.	<input type="checkbox"/>	273.257(b)	69
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Leachate collection system within protective cover meets minimum requirements.	<input type="checkbox"/>	273.258(a), (b)	70
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Barrier designed, constructed and maintained as required to prevent lateral migration of leachate off-site in surface mined areas.	<input type="checkbox"/>	273.259(a)-(d)	71
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8 feet of select waste placed over protective cover.	<input type="checkbox"/>	273.260	73
				LEACHATE TREATMENT			
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Leachate collected and handled through Department approved method(s).	<input type="checkbox"/>	273.272(a)-(c)	74
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Leachate transportation requirements adhered to.	<input type="checkbox"/>	273.273(a)-(c)	75
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cessation of site operation if alternate leachate handling not available.	<input type="checkbox"/>	273.273(d)	76
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Leachate treatment system permitted and fully operational at least 3 years before closure.	<input type="checkbox"/>	273.273(e)	77
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Leachate recirculation in accordance with regulations.	<input type="checkbox"/>	273.274(1)-(4)	78
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Leachate collection and storage systems on-site have capacity of 30 days or 250,000 gallons, whichever is greater.	<input type="checkbox"/>	273.275(a)-(f)	79
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Leachate flow rate measured daily; analyzed quarterly.	<input checked="" type="checkbox"/>	273.276(a)-(b)	80
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Department notified when remedial action(s) required.	<input type="checkbox"/>	273.277(1)-(4)	81
				WATER QUALITY MONITORING			
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Approved monitoring system installed and maintained.	<input type="checkbox"/>	273.281(a), (b) & 273.283	82
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Quarterly and annual monitoring requirements adhered to and results submitted Department within time constraints.	<input type="checkbox"/>	273.284 & 273.285	83
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Groundwater assessment plan submitted and implement as required.	<input type="checkbox"/>	273.286(a)-(g)	84
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Groundwater abatement plan submitted and implemented as required.	<input type="checkbox"/>	273.287(a)-(f)	85
				RECORDKEEPING AND REPORTING			
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Operational records maintained, available and submitted as required.	<input type="checkbox"/>	273.288 & 273.311-273.313	86
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Daily Operational Records kept in accordance with regulations for the life of the facility bond or longer if necessary.	<input type="checkbox"/>	273.311(d)	87

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<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Operator submits quarterly operation report.	<input type="checkbox"/>	273.312	88
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Operator submits annual operation report with fee.	<input type="checkbox"/>	273.313	89
				MINERALS AND GAS	<input type="checkbox"/>		
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Gas venting and monitoring in accordance with approved plans.	<input type="checkbox"/>	273.292(a)-(d)	90
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Combustible gas levels not exceeded.	<input type="checkbox"/>	273.292(e)	91
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Forced gas venting if required.	<input type="checkbox"/>	273.292(f)	92
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Gas recovery conducted as per approved plan and §273.293, including annual analysis.	<input type="checkbox"/>	273.293(a), (b)	93
				EMERGENCY PROCEDURES			
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Contingency plan implemented if there is an emergency.	<input type="checkbox"/>	273.303(a)-(c)	94
				RECYCLING			
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Operator shall salvage and recycle waste in accord with recycling plan. (273.196)	<input type="checkbox"/>	273.331(a)	95
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Salvaging and recycling controlled by operator and prevents interference within operations and prevents health hazardous nuisance.	<input type="checkbox"/>	273.331(b)	96
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Salvaged materials stored in an approved area or transported offsite.	<input type="checkbox"/>	273.331(c)	97
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Drop off center established for at least three recyclables.	<input type="checkbox"/>	273.332(a)	98
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Drop off center properly located, contains bins or containers, open at least 8 hours per week and 4 hours during evenings or weekends.	<input type="checkbox"/>	273.332(b), (c)	99
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Approved public notice of availability of drop off center availability is provided.	<input type="checkbox"/>	273.332(d)	100
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	On or before January 15 each year, operator informs municipality in writing of weight and type of materials recycled previous year.	<input type="checkbox"/>	273.332(e)	101
				SPECIAL HANDLING AND RESIDUAL WASTES			
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Special handling and residual wastes disposed with prior Department approval, and in accordance with permit and Chapter 273.	<input type="checkbox"/>	273.501	102
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Infectious waste disposal restrictions adhered to.	<input type="checkbox"/>	273.511(a)-(d)	103
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Chemotherapeutic waste disposal restrictions adhered to.	<input type="checkbox"/>	273.512	104
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Sewage sludge co-disposal and monofill requirements followed.	<input type="checkbox"/>	273.513	105
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Sewage sludge sampling requirements adhered to and sludge meets standards for control of pathogens, vectors, and odors.	<input type="checkbox"/>	273.513(c)	106
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Disposal of municipal waste incineration ash in landfill or landfill cell that meets Chapter 273 requirements.	<input type="checkbox"/>	273.514(a)	107
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Ash residue disposal in dedicated landfill or landfill cell unless co-disposal in accordance with Chapter 273 (including leachability treatment).	<input type="checkbox"/>	273.514(b)	108
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Ash residue covered immediately or as approved by the Department.	<input type="checkbox"/>	273.514(c)	109



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BUREAU OF WASTE MANAGEMENT

INSPECTION REPORT COMMENTS

Date of Inspection 3/31/2021

Identification Number 100022

Company/Facility/Site Name Chrin Bros. Sanitary Landfill

Comments:

The PA Department of Environmental Protection (Department) conducted a routine complete inspection on March 31, 2021 at 0902 hours at Chrin Bros. Sanitary Landfill (Chrin). Representing the Department was Amy Faulch (this inspector). Joseph Klobusicky provided a socially distanced site tour and was interviewed on behalf of Chrin. See the 3/31/21 odor patrol log for weather details.

SITE TOUR:

Prior to entering the landfill, this inspector conducted an odor patrol in the areas surrounding the landfill. A light, intermittent sewage odor was detected near the sewage treatment plant. A light, intermittent wood burning odor was detected along Morvale Rd. A moderate intermittent gas and light intermittent garbage odor were detected along Industrial Dr. between the landfill entrance and the MSE wall at 0949 hours. By 1003 hours, the garbage odor had dissipated, and the gas odor was light and intermittent along Industrial Dr. No other landfill-related odors were detected during this odor patrol. See attached 3/31/21 odor patrol log for details.

This inspector entered the landfill at 1005 hours. This inspection was modified to adhere to the Department's COVID-19 inspection procedures. This inspector wore a cloth face mask and stayed within this inspector's own work vehicle while following Mr. Klobusicky through the landfill. This inspector exited the vehicle to observe specific outdoor landfill features, and maintained social distance with Mr. Klobusicky.

Two trucks were dumping at the working face, located in cell 3E. A light garbage odor was detected to the west of the working face. A hose with neutralizer was in use at the working face. The perimeter line misters were observed in operation just south of the working face and at the bottom slope to the west of the working face. Intermediate cover in the working face area appeared adequate. Chrin was in the process of putting up litter fencing around the working face area. Some plastic bags were observed in the trees to the south of the landfill. Mr. Klobusicky stated that crews are working to remove the litter from the trees.

Roads were being watered at the time of this inspection. Chrin has installed some new bird controls in response to a recent complaint about crows on the landfill. Chrin has continued blasting in the new Cell 9 area, and has been preparing for liner installation. A slight gas odor was detected near GW 148, just across the south access road from the Cell 9 area. Some gas odor was also detected on the north slope of 3D, just west of some recently repaired leachate seeps in this area. Another smaller seep was observed just west of the repaired seeps, which Mr. Klobusicky stated will be addressed. Six new gas wells have been installed in Stage 3E, as well as one well in Stage 3C and one well in Cell E-1.

During a high wind event on 3/26/21, five temporary cap panels were blown off the northeastern slopes. Repairs to the panels had commenced by the time of this inspection, and 2-3 panels were still open. Mr. Klobusicky stated that the panels may have been affected by recent repairs to the damaged gas wells from sliding snow earlier in the month. No odors were detected in this area.

Flare 3 and EPP were in operation at the time of this inspection:

Flare	Temp	Flow
1	OFF	
3	1722°F	908 scfm
4	OFF	
EPP	NA	795 scfm

COMPLAINT INVESTIGATIONS:

The Department received nine odor complaints since the last inspection on 1/13/21. Complaints were followed up with odor patrols conducted by the Department on 1/27/21, 3/4/21 and 3/31/21. See attached odor patrol logs. Chrin's odor patrol logs and gas data were reviewed for the dates of complaints.

Line item #13: Chrin's scales were calibrated on 1/15/21. Chrin had 45 overweight trucks in January, 44 overweight trucks in February, and 92 overweight trucks in March 2021.

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: 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 are as follows:

1/5/21: 864 tons

2/23/21: 786 tons

3/2/21: 829 tons

Line item #25-31: Radiation source checks were reviewed on site. Chrin had one radiation hit since the last inspection: 3/23/21, I-131 from Northampton County MSW, disposed on site.

Line item #80: Leachate flow rates are as follows:

January 2021: 56,302 gallons per day

February 2021: 54,472 gallons per day

March 2021: 92,277 gallons per day

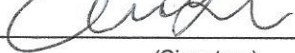
This concludes the inspection report.

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 or Department records.

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 on this report, but does acknowledge that the person was shown the report or that a copy was left with the person.

Person Interviewed Sent to Facility via email Date _____
(Signature)

Inspector  Date 4/8/21
(Signature)

Location: *Chrin Bros. Sanitary Landfill,
Williams Township, Northampton County*

Date/Time: *3/31/2021 10:30*

Photographer: *Amy Faulch*

Remarks: *Routine Inspection*

Initials: *AE 4/8/21*



Photo 1: View of cell 9 construction area from slope above south access road.



Photo 2: Wind damaged temporary cap on northern slope.



Photo 3: Wind damaged temporary cap on northern slope.



Photo 4: Repairs to far panel of temporary cap on northern slope.



Photo 5: Leachate seep repair on northern slope just east of the candlestick flare.



Photo 6: Two leachate seep repairs on northern slope just east of the candlestick flare.

Investigator: A. Faulstich Date: 3/31/21
 Weather Conditions: Cloudy, 54°F, wind ESE @ 3mph, 81% H.

CASE: Cham Load 5:11
 ODOR PATROL SURVEY

SURVEY LOCATION	TIME	ODOR		ODOR DESCRIPTION	COMMENTS & OBSERVATIONS
		INTENSITY S = Strong M = Moderate SL = Slight N = None	DURATION P = Persistent I = Intermittent N = None		
1-78	902	N			
Morgan Hill Rd	905	N			
Cedarville	908	N			
Knollwood	910	N			
Cedar Park Adams	911	N			
Sewage Tr. Plant	914	SL	I	S	light sewage odor near plant
Congressional	917	N			
Clubhouse	919	N			
Eagle's Creek	920	N			
Turnberry	920	N			
Merion	921	N			
Water Tower	922	N			
Clubhouse	924	N			
Pinehurst	925	N			
Bethpage	926	N			
Waterford	927	N			
Preswicke	928	N			
Eder	928	N			

EFAC TS # 3173697

Investigator: A. Faulich Date: 3/31/21

CASE: Chryin 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
St Andrews	929	N			
Oak Hill	930	N			
Pine Valley	931	N			
Clubhouse	933	N			
Congressional	934	N			
Cedarville	935	N			
MHE x Industrial	936	N			
Morgan Hill Rd.	937	N			
Spring Valley	938	N			
Mt. Top	942	N			
Waltham Loop	943	N			
Morvale	945	SL	1	O	wood burning odor
Industrial	949	M/SL	1	LFG/G	moderate gas & light garbage odor between landfill entrance & waste wall
Industrial	1003	SL	1	LFG	light gas odor, garbage odor gone
ENTER LANDFILL	1005				

CHIRIN ODOR COMPLAINT LOG (1225 Industrial Dr., Easton, PA 18042)

Weather Data (Allentown KAE)									
Date	Time	Address	Distance from Landfill (miles)	Skies	Temperature °F	Wind (out of)	Residence / Drive-by	Description / Notes	
www.wunderground.com									
01/21/21	21:00	Pine Valley Ter., Easton	NA		36	South/Southwest 0-1mph	Drive-by	Very bad odors again. Exit 75 & MHR. Still no updates from DEP. Is anyone reading these & looking into the odors? This landfill is scheduled to move closer to my home now that the DEP granted the permit!	
02/06/21	20:00	Pine Valley Ter., Easton	NA		28	South 0-1mph	Drive-by	Very bad landfill odor at I-78 exit 75	
02/07/21	18:33	Pine Valley Ter., Easton	NA		32	North/Northwest 0-2mph	Drive-by	Very bad landfill smell on 78E, MM 74.5	
02/08/21	21:53	Pine Valley Ter., Easton	NA		19	Southeast 0-1mph	Drive-by	Very bad landfill gas odor again, I-78 E at MM 74.8	
02/09/21	16:30	Pine Valley Ter., Easton	NA		30	East/Southeast 0-1 mph	Drive-by	Very bad landfill odor, intersection of Berger and Monrovia Rd.	
02/09/21	20:00	Pine Valley Ter., Easton	NA		26	South/Southeast 0-1mph	Drive-by	Once again still smells like Crap! Horrible landfill gas odors again. How many days in a row is this? I-78 at MM 74.6. DEP is allowing this to move closer to my home, the DEP needs to get on this more to control the odors before they are at my home every day in the future.	
02/20/21	22:00	Pine Valley Ter., Easton	1.297		23	Southwest 0-1mph	Residence	Very bad landfill odor present at my home tonight. My home, my back porch, stank really bad!	
02/27/21	11:50	Pine Valley Ter., Easton	NA		42	South 0-1mph	Drive-by	Very bad landfill gas odor today at the "S" curve on Morgan Hill Rd.	
02/28/21	22:34	Pine Valley Ter., Easton	NA		41	East/Northeast 0-2mph	Drive-by	Very bad landfill gas odor, I-78 E, MM 74.	
Gas Management Data									
Date of Initial Addressed in Insp Response Report Dated									
Flare 1 (scfm)	Flare 3 (scfm)	Flare 4 (scfm)	PPL (scfm)	Total (scfm)					

Investigator: J. SchervetDate: 27 Jan 21CASE: Chvin Landfill

ODOR PATROL SURVEY

Weather Conditions: 39°F Mostly Cloudy NW 2 mph H = 79%

SURVEY LOCATION	TIME	ODOR INTENSITY	ODOR DURATION	ODOR DESCRIPTION	COMMENTS & OBSERVATIONS
		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 = Drudge O = Other (describe)	
78E	847	N			E FACS # 3139402
Marginal Hill Rd	850				
Cedar Hill Rd	850				
Cedar Park Blvd	854				
Auburn Dr.	855				
Kanawood Dr.	856				
Cedar Park Blvd	857				
Cedarville Rd	857				
Trappes Road Dr.	902				
Chubbear Dr.	904				
East Road St	905				
Tombony Dr.	906				
Morris Ln	906				
Tombony Dr.	907				
Chubbear Dr.	909				
Pinehurst Ln	910				
Chubbear Dr.	911				
St Andrews Way	913	N			

Investigator: J. ScheinertDate: 27 Jan 21CASE: Cherry Landfill
ODOR PATROL SURVEY

Weather Conditions: _____

SURVEY LOCATION	TIME	ODOR INTENSITY	ODOR DURATION	ODOR DESCRIPTION	COMMENTS & OBSERVATIONS
		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)	
Waterford Trce	914	N			
Praviet Dr	914				
Eden Trce	915				
Old Coast Ln	916				
St Andrews Way	916				
Clubhouse Dr	917				
Pine Valley Trce	917				
Clubhouse Dr	920				
Macgibbon Rd	921	N			
Spring Valley Rd	921	SL	I	O	Wood burning
Macgibbon Trce	926	N			
Walton's Loop Ln	927				
Macgibbon Rd	928	N			
Macgibbon Rd	929	SL	I	G	New Industrial Dr. Tobacco
Industrial Dr.	933	N			
Macgibbon Rd	937				
Industrial Dr. No. 12	938				
Hillier St	938	N			

Industrial Dr N. 945
Belmont St 945
Macgibbon Rd 946

Investigator: T. Schriener Date: 4 March 21
 Weather Conditions: 38°F Mostly Cloudy NW 2 mph H=68"o

CASE: Cheryl Bros.
 ODOR PATROL SURVEY

SURVEY LOCATION	TIME	ODOR INTENSITY	ODOR DURATION	ODOR DESCRIPTION	COMMENTS & OBSERVATIONS
		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 = Drudge O = Other (describe)	
I 78	830	N			
Magee Rd	833	N			
Cedarvale Rd	834	SL	I	O	Wood Burning
Cedarvale Rd	836	N			
Arthur Dr.	837				
Hammond Dr.	839				
Cedarvale Rd.	840				
Cedarvale Rd.	841				
Compassional Dr.	845				
Chubb Dr.	847				
Fogel Creek	848				
Timberline Dr.	849				
Morris Ln	850				
Trask Dr.	851				
Chubb Dr.	852				
Proctor Ln	854				
Chubb Dr.	855				
6th Ave. Tacoma	856	N			

EFACT # 3158236

Investigator: J. SchmittDate: 4 March 21CASE: Churn Bros
ODOR PATROL SURVEY

SURVEY LOCATION	TIME	ODOR		ODOR DESCRIPTION	COMMENTS & OBSERVATIONS
		INTENSITY S = Strong M = Moderate SL = Slight N = None	DURATION P = Persistent I = Intermittent N = None		
Wahkiakum Ferry	8:57	N			
Providence Dr.	8:58				
Edna Ferry	8:59				
Old Coast Ln	9:00				
St. Andrews	9:01				
Chubbuck Dr.	9:01				
Pine Valley Ferry	9:07				
Chubbuck Dr.	9:05				
Margaret Hill Rd	9:05				
Spray Valley Rd	9:05				
Mandalay Top	9:10				
Wahkiakum Ferry	9:11				
Margaret Hill Rd	9:13	N			
Murphy Rd	9:14	SL	I	G	
Traskville Dr.	9:17	N			
Margaret Hill Rd	9:25				
Traskville Dr. North	9:27				
Hilltop St	9:29				

CFACS # 3158236

off and on over at rd, had acid

Traskville Dr. North
Belmont
Margaret Hill Rd934
934
935

N

2021	Daily	Total Week	Month Average	Day	Total Month	Total Quarter
January						
1	HOLIDAY					
2	554.8		554.8	1	554.8	554.8
3		554.80				554.8
4	854.5		704.7	2	1,409.3	1,409.3
5	864.6		758.0	3	2,273.9	2,273.9
6	782.9		764.2	4	3,056.8	3,056.8
7	756.8		762.7	5	3,813.6	3,813.6
8	675.6		748.2	6	4,489.2	4,489.2
9	76.4		652.2	7	4,565.6	4,565.6
10		4,010.30				4,565.6
11	763.1		666.1	8	5,328.7	5,328.7
12	710.9		671.1	9	6,039.6	6,039.6
13	705.6		674.5	10	6,745.2	6,745.2
14	687.4		675.7	11	7,432.6	7,432.6
15	652.2		673.7	12	8,084.8	8,084.8
16	95.4		629.2	13	8,180.2	8,180.2
17		3,614.60				8,180.2
18	637.5		629.8	14	8,817.7	8,817.7
19	646.0		630.9	15	9,463.7	9,463.7
20	638.3		631.4	16	10,102.0	10,102.0
21	605.3		629.8	17	10,707.3	10,707.3
22	592.3		627.8	18	11,299.6	11,299.6
23	70.5		598.4	19	11,370.1	11,370.1
24		3,119.40				11,370.1
25	639.6		600.5	20	12,009.7	12,009.7
26	700.8		605.3	21	12,710.5	12,710.5
27	675.9		608.5	22	13,386.4	13,386.4
28	699.1		612.4	23	14,085.5	14,085.5
29	524.4		608.7	24	14,609.9	14,609.9
30	119.4		589.2	25	14,729.3	14,729.3
31		1,342.90				14,729.3
Month Total 14,729.3						

Total

Month

Total

Total

WEEKLY DUMPING

2021	Daily	Total	Month	Day	Total	Total
2021	Daily	Week	Average	Day	Month	Quarter
February						
1	52.6		52.6	1	52.6	14,781.9
2			26.3	2	52.6	14,781.9
3	604.9		219.2	3	657.5	15,386.8
4	570.3		307.0	4	1,227.8	15,957.1
5	552.2		356.0	5	1,780.0	16,509.3
6	312.4		348.7	6	2,092.4	16,821.7
7		2,092.40				16,821.7
8	685.7		396.9	7	2,778.1	17,507.4
9	681.7		432.5	8	3,459.8	18,189.1
10	595.4		450.6	9	4,055.2	18,784.5
11	639.3		469.5	10	4,694.5	19,423.8
12	529.7		474.9	11	5,224.2	19,953.5
13	72.6		441.4	12	5,296.8	20,026.1
14		3,204.40				20,026.1
15	678.9		459.7	13	5,975.7	20,705.0
16	640.0		472.6	14	6,615.7	21,345.0
17	695.8		487.4	15	7,311.5	22,040.8
18	211.2		470.2	16	7,522.7	22,252.0
19	576.7		476.4	17	8,099.4	22,828.7
20	175.0		459.7	18	8,274.4	23,003.7
21		2,977.60				23,003.7
22	534.0		463.6	19	8,808.4	23,537.7
23	786.1		479.7	20	9,594.5	24,323.8
24	677.4		489.1	21	10,271.9	25,001.2
25	724.6		499.8	22	10,996.5	25,725.8
26	697.3		508.4	23	11,693.8	26,423.1
27	110.5		491.8	24	11,804.3	26,533.6
28		3,529.90				26,533.6
Month Total						
11,004.3						

2021	Daily	Total Week	Month Average	Day	Total Month	Total Quarter
2021	Daily	Total Week	Month Average	Day	Total Month	Total Quarter
March						
1	816.5		816.5	1	816.5	27,350.1
2	829.0		822.8	2	1,645.5	28,179.1
3	767.5		804.3	3	2,413.0	28,946.6
4	725.3		784.6	4	3,138.3	29,671.9
5	628.0		753.3	5	3,766.3	30,299.9
6	141.5		651.3	6	3,907.8	30,441.4
7		3,907.80				30,441.4
8	752.2		582.5	8	4,660.0	31,193.6
9	735.5		599.5	9	5,395.5	31,929.1
10	821.4		621.7	10	6,216.9	32,750.5
11	689.3		627.8	11	6,906.2	33,439.8
12	723.8		635.8	12	7,630.0	34,163.6
13	97.5		594.4	13	7,727.5	34,261.1
14		3,819.70				34,261.1
15	777.3		567.0	15	8,504.8	35,038.4
16	715.1		576.2	16	9,219.9	35,753.5
17	745.9		586.2	17	9,965.8	36,499.4
18	647.3		589.6	18	10,613.1	37,146.7
19	635.3		592.0	19	11,248.4	37,782.0
20	94.4		567.1	20	11,342.8	37,876.4
21		3,615.30				37,876.4
22	812.4		552.5	22	12,155.2	38,688.8
23	790.1		562.8	23	12,945.3	39,478.9
24	692.2		568.2	24	13,637.5	40,171.1
25	721.3		574.4	25	14,358.8	40,892.4
26	769.3		581.9	26	15,128.1	41,661.7
27	79.0		563.2	27	15,207.1	41,740.7
28		3,364.30				41,740.7
29	752.9		550.3	29	15,960.0	42,493.6
30	784.3		558.1	30	16,744.3	43,277.9
31	818.7		566.5	31	17,563.0	44,096.6
Month Total	17,563.0					
Quarter Total	61,659.6					

Chrin Brothers Sanitary Landfill 2021 Leachate Flow Summary

Leachate

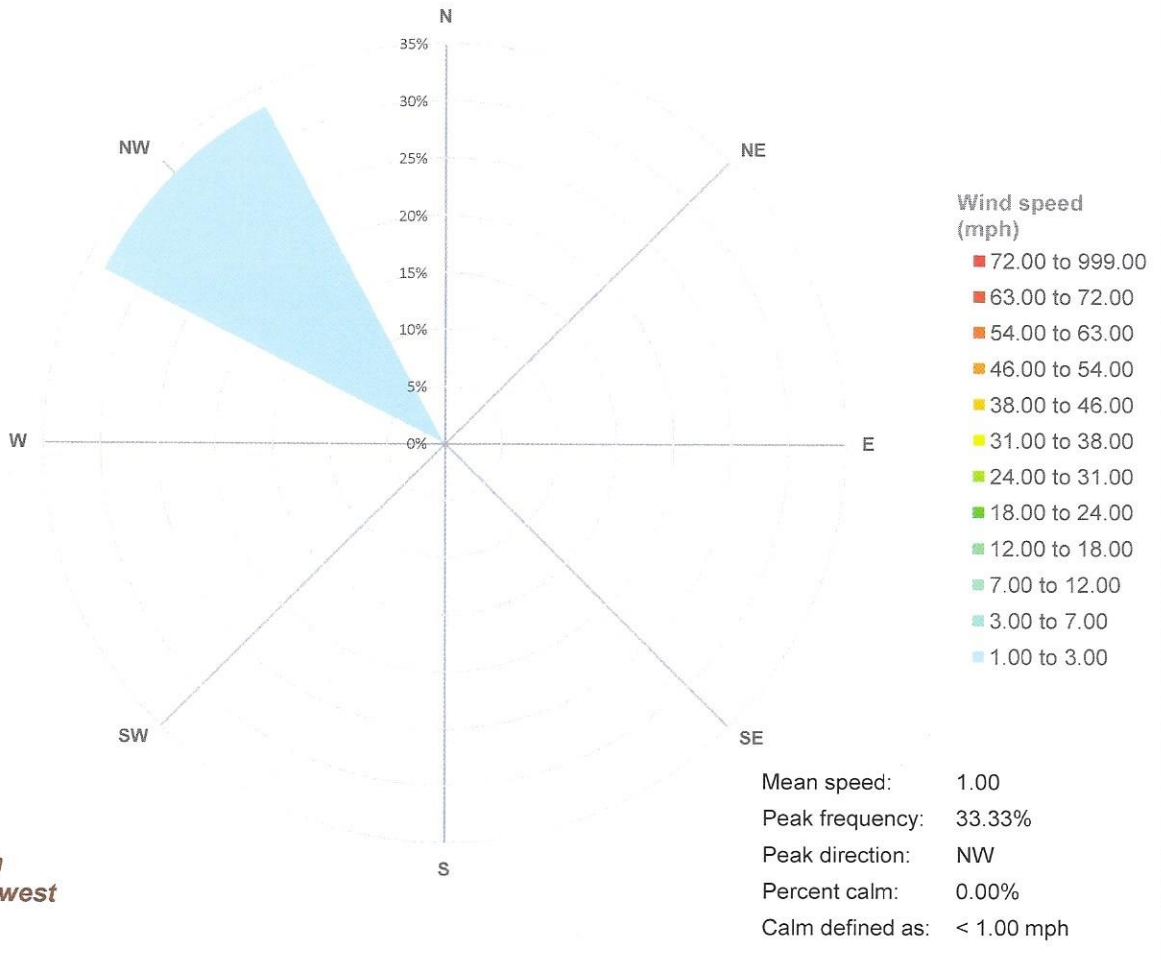
Reading Date	Month	Reading	Monthly Flow	Gallons Per Day	GPD Per Acre	Quarterly Flows		
						Flow	Gal/Day	GPD/Ac
1/31/2021	JAN	412,237	1,745,350	56,302	533			
2/28/2021	FEB	1,937,452	1,525,215	54,472	516			
3/31/2021	MAR	4,984,035	3,046,583	98,277	931	6,317,148	70,191	665
4/30/2021	APR	0	-4,984,035	-166,135	-1,573			
5/31/2021	MAY	0	0	0	0			
6/30/2021	JUN	0	0	0	0	-4,984,035	-54,770	-519
7/31/2021	JUL	0	0	0	0			
8/31/2021	AUG	0	0	0	0			
9/30/2021	SEP	0	0	0	0	0	0	0
10/31/2021	OCT	0	0	0	0			
11/30/2021	NOV	0	0	0	0			
12/31/2021	DEC	0	0	0	0	0	0	0
Total Yearly Flow			3,136,377	8,593	81			

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

Wednesday March 31, 2021 - 10:00am
Flare #3 - 887 scfm / temp - 1735 degrees
EPP - 803 scfm



Faulch, Amy

From: Joe Klobusicky <jklobusicky@chrin.org>
Sent: Friday, January 22, 2021 4:54 PM
To: Faulch, Amy
Subject: [External] Fwd: Monday 1/25/21 Drilling Info
Attachments: Chrin Landfill 2021 Gas System Gas Construction Project.pdf; Chrin LF 2021 Depth Schedule (IFC 20210113).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.

Get [Outlook for Android](#)

From: Chris Hutwelker <chutwelker@earthres.com>
Sent: Friday, January 22, 2021 4:51:00 PM
To: Charlie R Chrin <charliec@chrin.org>; Joe Klobusicky <jklobusicky@chrin.org>; bmgreen@ptd.net <bmgreen@ptd.net>
Cc: Tom McMonigle <tmcmonigle@chrin.org>; David Horvath <dhorvath@earthres.com>; John Bechtel <jbechtel@earthres.com>
Subject: Monday 1/25/21 Drilling Info

All,

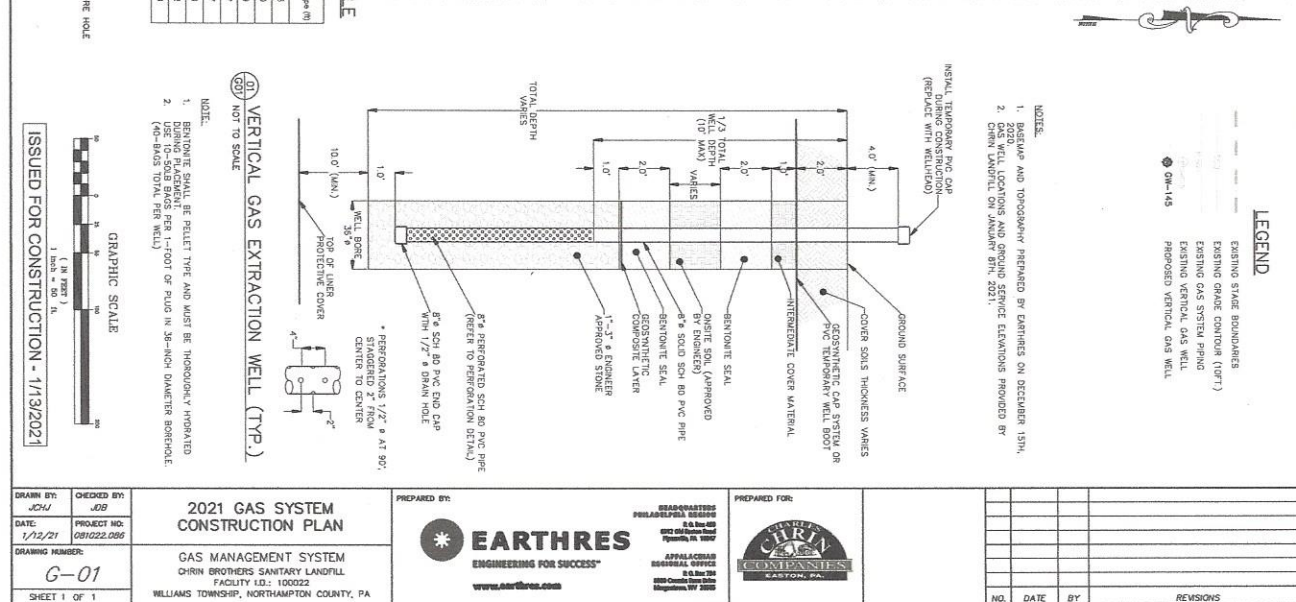
Please find attached the gas well drilling plan and depth schedule for Monday's drilling event, let us know if you have any questions/comments. Thanks and have a great weekend.

Best Regards,

J. Chris Hutwelker E.I.T | Assistant Project Manager
Earthres Group, Inc. | *Engineering for SuccessSM*

Headquarters / Philadelphia Region | P. O. Box 468, Pipersville, PA 18947
215-766-1211 office | 267-980-6706 mobile | 800-264-4553 toll free
chutwelker@earthres.com | www.earthres.com | [L](#) | [t](#) | [f](#)





Chrin Brothers Sanitary Landfill
Landfill Gas Management System
2021 Gas Well Schedule

Issued for Construction - 1/13/2021

Vertical Gas Well Schedule

Well ID	Northing (ft.)	Easting (ft.)	Surface Grade (ft.)	Surface Rounded Dn (ft.)	Subgrade Elevation (ft.)	Subgrade Rounded Up (ft.)	+ 1' = Top of Liner	+ 15' buffer = well bottom	Calculated Max. Well Depth (ft.)	Proposed Drill Depth (ft.)	Solid Pipe (ft.)	Perf Pipe (ft.)
GW139	10684.341	9671.171	356.6	358	281.80	282	283	298	60	60	15	45
GW145	10801.000	9888.500	403.0	402	320.31	321	322	337	65	65	15	50
GW146	10585.071	9857.830	408.3	408	338.00	338	339	354	54	54	15	39
GW147	10577.790	9714.556	368.9	368	309.47	310	311	326	42	42	15	27
PW-11	10873.704	9765.319	354.2	354	275.83	276	277	292	62	62	15	47
PW-24	11053.971	9948.792	368.2	368	320.14	321	322	337	31	31	15	16
PW-31	10878.380	11116.300	596.2	596	482.22	483	484	499	97	97	15	82
PW-32	11386.690	11508.690	564.6	564	446.19	447	448	463	101	101	15	86

Piping Quantity (includes 5' stick-up):

Total Drilled Feet: 512 160 392

- Notes:
1. Surface grade elevations were confirmed by aerial survey performed by Chrin Landfill personnel on personnel on 1/8/2021.
 2. Subgrade elevations were determined based upon ACAD drawings containing design and as-built survey elevations provided by Chrin Landfill.

Total:	512	160	392
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Depth Check Verification:



Proposed well depths were calculated using the latest topography and the subgrade drawings provided by Chrin. A minimum separation distance of 15 feet was used between the bottom of the drilled hole and the liner system grades. Depths presented herein have been checked and confirmed by EARTHRES, and are only approved for construction if signed below.

Limitation:

Data provided in the above table is valid only for the listed northing and easting locations provided at the current grade elevations. Relocation of the wells or changes in grade elevations will require additional field survey and depth check verification prior to drilling.

Based on the available data provided by Chrin Landfill and good engineering practices, we believe that the data presented in this table is suitable for construction.

EARTHRES Signatures / Date:

 1/13/2021
 1/13/21

Faulch, Amy

From: Joe Klobusicky <jklobusicky@chrin.org>
Sent: Monday, January 25, 2021 7:47 AM
To: Faulch, Amy; (kfaubert@williamstwp.org); Melody Ernst; Mikal Sabatine
Subject: [External] gas well drilling Chrin Landfill

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 – we have begun gas well drilling today. This should last most of this week. There is potential for intermittent gas odors associated with this work. Please let me know if you have any questions. Thank you.

Sincerely,

Joe Klobusicky
Chrin Brothers Landfill
1225 Industrial Drive
Easton, PA 18042
Phone: 610-258-8737 ext. 34
Cell: 484-221-4626
Cell: 610-653-0829

Faulch, Amy

From: Joe Klobusicky <jklobusicky@chtn.org>
Sent: Tuesday, February 2, 2021 8:04 AM
To: Faulch, Amy
Subject: RE: [External] TODAY

We are closing at 9

From: Faulch, Amy <afaulch@pa.gov>
Sent: Tuesday, February 2, 2021 7:45 AM
To: Joe Klobusicky <jklobusicky@chtn.org>
Subject: RE: [External] TODAY

OK, thank you Joe.

Amy E. Faulch | Solid Waste Supervisor
Department of Environmental Protection | Waste Management
Bethlehem District Office
4530 Bath Pike | Bethlehem, PA 18017
Phone: 610.861.2063 | Fax: 610.861.2072
www.depweb.state.pa.us

From: Joe Klobusicky <jklobusicky@chtn.org>
Sent: Tuesday, February 2, 2021 7:13 AM
To: Faulch, Amy <afaulch@pa.gov>
Subject: RE: [External] TODAY

Good Morning Amy,
We are currently opened.....not sure how long. I'll keep you posted.

Joe k

From: Faulch, Amy <afaulch@pa.gov>
Sent: Monday, February 1, 2021 9:06 AM
To: Joe Klobusicky <jklobusicky@chtn.org>
Subject: RE: [External] TODAY

OK, thanks Joe.

Amy E. Faulch | Solid Waste Supervisor
Department of Environmental Protection | Waste Management
Bethlehem District Office
4530 Bath Pike | Bethlehem, PA 18017
Phone: 610.861.2063 | Fax: 610.861.2072
www.depweb.state.pa.us

From: Joe Klobusicky <jklobusicky@chtn.org>
Sent: Monday, February 1, 2021 9:06 AM

To: Faulch, Amy <afaulch@pa.gov>
Subject: RE: [External] TODAY

We are now closed.

From: Faulch, Amy <afaulch@pa.gov>
Sent: Monday, February 1, 2021 7:24 AM
To: Joe Klobusicky <jklobusicky@chtn.org>
Subject: RE: [External] TODAY

Thank you Joe,

Please let me know if Chrin closes for the day, and stay safe.

Amy E. Faulch | Solid Waste Supervisor
Department of Environmental Protection | Waste Management
Bethlehem District Office
4530 Bath Pike | Bethlehem, PA 18017
Phone: 610.861.2063 | Fax: 610.861.2072
www.depweb.state.pa.us

From: Joe Klobusicky <jklobusicky@chtn.org>
Sent: Monday, February 1, 2021 6:39 AM
To: Faulch, Amy <afaulch@pa.gov>
Subject: [External] TODAY

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 CWCPA.SPAM@pa.gov.

Hi Amy,

We are open as of now (6:37am). I know Berger ran last night and will be here. Not sure how long we will be opened. Chrin Hauling did not send out any trucks last night. I'll keep you posted.

Joe k

Faulch, Amy

From: Joe Klobusicky <jklobusicky@chtn.org>
Sent: Tuesday, February 2, 2021 8:20 AM
To: Bellas, Roger; Melody Ernst
Cc: Faulch, Amy; Ritter, Dean; Mikal Sabatine; Katie Faubert
Subject: RE: [External] Saturday February 6

Thank you Roger.

From: Bellas, Roger <rbellas@pa.gov>
Sent: Tuesday, February 2, 2021 8:19 AM
To: Melody Ernst <mernst@willamstwp.org>; Joe Klobusicky <jklobusicky@chtn.org>
Cc: Faulch, Amy <afaulch@pa.gov>; Ritter, Dean <dearitter@pa.gov>; Mikal Sabatine <MSabatine@willamstwp.org>; Katie Faubert <kfaubert@willamstwp.org>
Subject: RE: [External] Saturday February 6

Joe,

As Williams Township has approved your request, the Department also approves your plan as detailed below, to expand operating this Saturday 2/6/21 to 6:00 a.m.- 3:00 p.m.

As your permitted site operating hours are from Monday-Friday 6:00 a.m. to 6:30 p.m., and Saturday 6:00 a.m. to 12:00 p.m., any additional activities planned outside of these hours will require additional approval.

Roger

Roger Bellas | Waste Management Program Manager
Department of Environmental Protection | Northeast Regional Office
2 Public Square | Wilkes-Barre, PA 18701-1915
Phone: 570.826.2201 | Fax: 570.826.5448
www.dep.pa.gov

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From: Melody Ernst <mernst@willamstwp.org>
Sent: Tuesday, February 2, 2021 8:08 AM
To: Bellas, Roger <rbellas@pa.gov>; Joe Klobusicky <jklobusicky@chtn.org>
Cc: Faulch, Amy <afaulch@pa.gov>; Ritter, Dean <dearitter@pa.gov>; Mikal Sabatine <MSabatine@willamstwp.org>; Katie Faubert <kfaubert@willamstwp.org>
Subject: Re: [External] Saturday February 6

Joe,

I checked with the Supervisors and they're fine with the extended hours.
Be safe.

1

Mel Ernst
Williams Township Asst. Manager

Sent from my Verizon, Samsung Galaxy smartphone
Get Outlook for Android

From: Joe Klobusicky <jklobusicky@chtn.org>
Sent: Tuesday, February 2, 2021 7:59:31 AM
To: Bellas, Roger <rbellas@pa.gov>
Cc: Faulch, Amy <afaulch@pa.gov>; Ritter, Dean <dearitter@pa.gov>; Mikal Sabatine <MSabatine@willamstwp.org>; Melody Ernst <mernst@willamstwp.org>; Katie Faubert <kfaubert@willamstwp.org>
Subject: RE: [External] Saturday February 6

Ok. I did copy Township personnel on this – Mike Sabatine, Melody Ernst, Katie Faubert.....

From: Bellas, Roger <rbellas@pa.gov>
Sent: Tuesday, February 2, 2021 7:56 AM
To: Joe Klobusicky <jklobusicky@chtn.org>
Cc: Faulch, Amy <afaulch@pa.gov>; Ritter, Dean <dearitter@pa.gov>; Mikal Sabatine <MSabatine@willamstwp.org>; Melody Ernst <mernst@willamstwp.org>; Katie Faubert <kfaubert@willamstwp.org>
Subject: RE: [External] Saturday February 6

Joe,

Completely understandable. Please seek Township approval for the extended hours on Saturday. If they are OK with it, we will be OK with it.

Thanks

Roger

Roger Bellas | Waste Management Program Manager
Department of Environmental Protection | Northeast Regional Office
2 Public Square | Wilkes-Barre, PA 18701-1915
Phone: 570.826.2201 | Fax: 570.826.5448
www.dep.pa.gov

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From: Joe Klobusicky <jklobusicky@chtn.org>
Sent: Tuesday, February 2, 2021 7:53 AM
To: Bellas, Roger <rbellas@pa.gov>
Cc: Faulch, Amy <afaulch@pa.gov>; Ritter, Dean <dearitter@pa.gov>; Mikal Sabatine <MSabatine@willamstwp.org>; Melody Ernst <mernst@willamstwp.org>; Katie Faubert <kfaubert@willamstwp.org>
Subject: [External] Saturday February 6
Importance: High

2

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.

Roger,

Given the weather the past two days. We are requesting to be open until 3:00pm this Saturday 2/6/2021. We closed around 9:00am yesterday and will close again today at 9:00am. Haulers in the Lehigh Valley have not been out the past two days collecting trash.

Sincerely,

Joe Klobusicky
Chrin Landfill

Faulch, Amy

From: Joe Klobusicky <jklobusicky@chirn.org>
Sent: Monday, February 8, 2021 10:18 AM
To: Faulch, Amy
Cc: Scheivert, Jeremy; Ritter, Dean
Subject: RE: [External] RE: Bird complaint

Thank you Amy.

Sounds similar to the migrating gulls. Great information. I am seeing more crows than in previous years that's for sure. I am going to order some additional items today for control here at the site.

From: Faulch, Amy <afulch@pa.gov>
Sent: Monday, February 8, 2021 9:40 AM
To: Joe Klobusicky <jklobusicky@chirn.org>
Cc: Scheivert, Jeremy <sjscheivert@pa.gov>; Ritter, Dean <dearitter@pa.gov>
Subject: RE: [External] RE: Bird complaint

Hi Joe,

Jeremy Scheivert (the lone waste inspector in our Bethlehem office), also happens to be an Avian Biologist, so I asked him about the crows, and he offered the following info. Just FYI in case Chirn gets any more inquiries about the crows:

"It sounds like Chirn has a winter crow roost. In the winter (non-breeding season), crows often roost in large numbers. These can be quite large. I use to observe a winter crow roost in Hagerstown, MD when I was in my twenties. There were around 10,000 crows in that roost. In the Midwestern US it's not unheard of to have crow roosts in excess of 100,000 birds.

During the day, crows would disperse to forage (maybe as far as 20-30 miles away) and then at dusk start to return to the communal roost in increasing large numbers until they all go to sleep at dark.

Kevin McGowan at Cornell has been studying crows for more than thirty years and he would tell you that WHY crows roost in large numbers together in the winter is a mystery not well understood.

It might be that at one time in their history that there was great evolutionary advantage to roosting in large numbers. I dunno.

But it seems that there is at least some advantages to crows choosing roosts in urban or suburban areas over rural ones. You've at least hit on one of them. In those large numbers, crows can communicate with one another about where and when the best food sources will be available, and well more humans means more potential food.

The reason I tried to look at was that urban/suburban areas often have fewer predators (in particular Great-horned Owls) to deal with than rural areas. So there is safety in numbers in a crow roost, but there is also greater safety from predators while your sleeping.

It's possible that in urban areas too in the winter, it's several degrees warmer and potential greater survivorship when the weather is really inhospitable.

1

Lights! You know that crows are really intelligent. And again an all-night light can deter predators and help crows feel more comfortable. Those street lights can be a giant night-light.

Also again, crows are really smart. Humans are typically not permitted to shoot crows inside of city limits and this too could be a learned crow adaptation.

So I know that winter crow roosts can be a nuisance for many municipalities. I'm not sure what to do about it. Turning of some lights might help. Or trying to find them an alternative site. When I watched them in Hagerstown it was on the edge of the town in an industrial area with lots of big lights but not too many people (so not a lot of white-washing of cars and homes, etc.)

I would think that once spring comes around again, the sheer number of crows will diminish as they go to look for their own territories for breeding. It's just the juvenile crows that might hang around.

It might be that another crow roost some distance away from Chirn was disrupted, and more crows moved into the Chirn roost as a result."

Amy E. Faulch | Solid Waste Supervisor
Department of Environmental Protection | Waste Management
Bethlehem District Office
4530 Bath Pike | Bethlehem, PA 18017
Phone: 610.861.2063 | Fax: 610.861.2072
www.depweb.state.pa.us

From: Joe Klobusicky <jklobusicky@chirn.org>
Sent: Friday, February 5, 2021 11:54 AM
To: Faulch, Amy <afulch@pa.gov>
Subject: RE: [External] RE: Bird complaint

That's possible.

From: Faulch, Amy <afulch@pa.gov>
Sent: Friday, February 5, 2021 11:53 AM
To: Joe Klobusicky <jklobusicky@chirn.org>
Subject: RE: [External] RE: Bird complaint

Bethlehem does have a large crow population around the Lehigh River, maybe they're migrating over towards Easton?

Amy E. Faulch | Solid Waste Supervisor
Department of Environmental Protection | Waste Management
Bethlehem District Office
4530 Bath Pike | Bethlehem, PA 18017
Phone: 610.861.2063 | Fax: 610.861.2072
www.depweb.state.pa.us

From: Joe Klobusicky <jklobusicky@chirn.org>
Sent: Friday, February 5, 2021 11:51 AM
To: Faulch, Amy <afulch@pa.gov>
Subject: RE: [External] RE: Bird complaint

Oddly enough I have noticed crows this year.....I never really noticed them before....it was pretty much the starlings and gulls.

2

From: Faulch, Amy <afaulch@pa.gov>
Sent: Friday, February 5, 2021 11:49 AM
To: Joe Klobusicky <jklobusicky@chrin.org>
Subject: RE: [External] RE: Bird complaint

OK, thank you Joe, yes, please keep me posted.

They mentioned it was mostly crows, and have just noticed them, and the sound of the screamers, for about a month (but have not noticed this many birds in previous years).

Amy E. Faulch | Solid Waste Supervisor
Department of Environmental Protection | Waste Management
Bethlehem District Office
4530 Bath Pike | Bethlehem, PA 18017
Phone: 610.861.2063 | Fax: 610.861.2072
www.depweb.state.pa.us

From: Joe Klobusicky <jklobusicky@chrin.org>
Sent: Friday, February 5, 2021 11:45 AM
To: Faulch, Amy <afaulch@pa.gov>
Subject: [External] RE: Bird complaint

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Hi Amy,
We use the bird screamers (they are shot from a handheld pistol). It is used right at the working face so the birds may scatter in any direction. I don't know how we can "direct" the birds since we use the screamer at the west end of the landfill.

We do not use this excessively and really try to use it as little as possible. Have they said when this has happened? We do have the seagulls from October to April.....

I will look into other methods also – I am in the process of re-ordering some items such as stuffed hawks, etc. to place on poles near the working face. They have worked pretty well in the past – you just have to keep switching things up because the birds will get used to one method. I expect to place an order on Monday. I'll keep you posted.

Joe K

From: Faulch, Amy <afaulch@pa.gov>
Sent: Friday, February 5, 2021 11:37 AM
To: Joe Klobusicky <jklobusicky@chrin.org>
Cc: Ritter, Dean <dearitter@pa.gov>
Subject: Bird complaint

Hello Joe,

I just want to make you aware that we have received a complaint about the use of the bird control horn/whistle (I think you use "screamers"?) at the landfill driving birds to the west of the landfill and causing excessive bird poop on the complainant's property to the west of the landfill. I don't know where on the landfill the bird control horn is located, or if you have the ability to change the direction of it, but the complainant suggested that moving the horn might drive the

birds in a different direction. If there is a reasonable remedy to this, I would appreciate any assistance that Chrin could provide in this matter. Please let me know what you think.

Thank you Joe,

Amy E. Faulch | Solid Waste Supervisor
Department of Environmental Protection | Waste Management
Bethlehem District Office
4530 Bath Pike | Bethlehem, PA 18017
Phone: 610.861.2063 | Fax: 610.861.2072
www.depweb.state.pa.us

Faulch, Amy

From: Faulch, Amy
Sent: Monday, February 8, 2021 2:15 PM
To: Joe Klobusicky
Subject: RE: [External] FW: Your Bird B Gone, Inc. Order Confirmation (#100089864)

Joe,
Thank you for the follow-up.

Amy E. Faulch | Solid Waste Supervisor
Department of Environmental Protection | Waste Management
Bethlehem District Office
4530 Bath Pike | Bethlehem, PA 18017
Phone: 610.861.2063 | Fax: 610.861.2072
www.depweb.state.pa.us

From: Joe Klobusicky <jklobusicky@chrn.org>
Sent: Monday, February 8, 2021 1:55 PM
To: Faulch, Amy <afauch@pa.gov>
Cc: Ritter, Dean <dearitter@pa.gov>
Subject: [External] FW: Your Bird B Gone, Inc. Order Confirmation (#100089864)

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Hi Amy,
I ordered some additional items today. We'll see how they work out. I'll let you know when they come in.

Joe K

From: Bird B Gone, Inc. <nobirds@birdbgone.com>
Sent: Monday, February 8, 2021 1:30 PM
To: Joe Klobusicky <jklobusicky@chrn.org>
Subject: Your Bird B Gone, Inc. Order Confirmation (#100089864)

Thanks for Your Order

☐ Your order ID is #100089864.

Shipping Address

Joseph Klobusicky
Chrn Landfill
1225 Industrial Drive
Easton, Pennsylvania 18042
United States
6106530829
Is this order for business or personal use?

Billing Address

Joseph Klobusicky
Chrn Landfill
1225 Industrial Drive
Easton, Pennsylvania 18042
United States
6106530829
Is this order for business or personal use?

Business

Business

Your Order Contains...

Cart Items	SKU	Qty	Item Price	Item Total
Flash Tape Visual Bird Deterrent 1" x 50' (3 pk)	MMFT050-3PACK	2	\$11.99 USD	\$23.98 USD
Hawk Decoy	RTH1	3	\$19.99 USD	\$59.97 USD
Solar Bird Repeller	RPR-SR1	1	\$94.00 USD	\$94.00 USD

Subtotal: \$177.96 USD
Shipping: \$18.66 USD
Tax: \$11.79 USD
Grand Total: \$208.30 USD
Payment Method: Authorize.net

Bird B Gone, Inc.
<https://www.birdbgone.com/>

Bird B Gone, Inc. is powered by BigCommerce. Launch your own store for free with BigCommerce.

Faulch, Amy

From: Joe Klobusicky <jklobusicky@chni.org>
Sent: Friday, February 19, 2021 10:43 AM
To: Belias, Roger
Cc: Faulch, Amy; Ritter, Dean; Mikal Sabatine; Melody Ernst (kfraubert@williamstwp.org)
Subject: RE: [External] Re: Saturday February 20th

Hi Roger,
Tomorrow we will be open until 12:00 (permitted hours). No need for additional hours.

Joe K

From: Belias, Roger <rbelias@pa.gov>
Sent: Thursday, February 18, 2021 11:03 AM
To: Joe Klobusicky <jklobusicky@chni.org>
Cc: Faulch, Amy <afaulch@pa.gov>; Ritter, Dean <dearitter@pa.gov>; Mikal Sabatine <MSabatine@williamstwp.org>; Melody Ernst <mernst@williamstwp.org>; (kfraubert@williamstwp.org) <kfraubert@williamstwp.org>
Subject: RE: [External] Re: Saturday February 20th

Thanks for the update Joe. Stay Safe!!

Roger Belias | Waste Management Program Manager
Department of Environmental Protection | Northeast Regional Office
2 Public Square | Wilkes-Barre, PA 18701-1915
Phone: 570.826.2201 | Fax: 570.826.5448
www.dep.pa.gov

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From: Joe Klobusicky <jklobusicky@chni.org>
Sent: Thursday, February 18, 2021 11:02 AM
To: Belias, Roger <rbelias@pa.gov>
Cc: Faulch, Amy <afaulch@pa.gov>; Ritter, Dean <dearitter@pa.gov>; Mikal Sabatine <MSabatine@williamstwp.org>; Melody Ernst <mernst@williamstwp.org>; (kfraubert@williamstwp.org) <kfraubert@williamstwp.org>
Subject: [External] Re: Saturday February 20th

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We are currently closed.

Get Outlook for Android

From: Joe Klobusicky
Sent: Thursday, February 18, 2021 9:50:12 AM

1

To: Roger Belias (rbelias@pa.gov) <rbelias@pa.gov>
Cc: Amy Faulch (afaulch@pa.gov) <afaulch@pa.gov>; Ritter, Dean <dearitter@pa.gov>; Mikal Sabatine <MSabatine@williamstwp.org>; Melody Ernst <mernst@williamstwp.org>; (kfraubert@williamstwp.org) <kfraubert@williamstwp.org>
Subject: Saturday February 20th

Roger,
Hello,
We are currently open but will more than likely close early today. Not sure on tomorrow morning yet. We may need extended hours for Saturday February 20th. We are requesting to be open until 2:00pm this Saturday 2/6/2021. Our current permit hours for Saturdays are 6:00am to 12:00pm.

Sincerely,

Joe Klobusicky
Chrin Landfill

2

Faulch, Amy

From: Joe Klobusicky <jklobusicky@chrn.org>
Sent: Thursday, March 4, 2021 6:21 AM
To: Wejksznier, Mark; Schweitzer, Andrew; Glogowski, Matthew; Faulch, Amy; Bellas, Roger; Madden, Christopher; Bardzilouskas, Matthew
Subject: [External] RE: Flare #3 weather issues
Attachments: 03-03-2021 ERG proposal JDB20210206.pdf

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FYI – additional follow-up:

Additional wellfield / flare work to be done in conjunction with ERG (signed proposal attached):

Field update
Feb. 17, 2021:
The pipe crew fixed 8 broken wells from the falling/sliding snow on the tarped slopes and we were able to bypass and fix one frozen header. The 8 new gas wells are now connected to the system and are continuing our investigation into wellfield/header issues.

Sincerely,

Joe Klobusicky

From: Joe Klobusicky
Sent: Thursday, February 25, 2021 12:38 PM
To: Mark Wejksznier (mwejksznier@pa.gov); GregChin@aol.com; 'Schweitzer, Andrew' <aschweitzer@state.pa.us>; Glogowski, Matthew <mlogowski@pa.gov>; Faulch, Amy <afulch@pa.gov>; Mikal Sabatine <MSabatine@willamstwp.org>; Roger Bellas (rbellas@pa.gov) <rbellas@pa.gov>; Charlie@chrn.org; Tom McMonigle <tmcmongle@chrn.org>; Madden, Christopher <chmadden@pa.gov>; Bardzilouskas, Matthew <mbardziou@pa.gov>
Subject: RE: Flare #3 weather issues

Hello,
As a follow-up to the notification below please see the attached event summary. Please let me know if you have any questions.

Sincerely,

Joe Klobusicky
Chrin Landfill
1225 Industrial Drive
Easton, PA 18042
Phone: 610-258-8737 ext. 34

1

Cell: 484-221-4626

From: Joe Klobusicky
Sent: Tuesday, February 9, 2021 7:34 AM
To: Mark Wejksznier (mwejksznier@pa.gov) <mwejksznier@pa.gov>; GregChin@aol.com; 'Schweitzer, Andrew' <aschweitzer@state.pa.us>; Glogowski, Matthew <mlogowski@pa.gov>; Faulch, Amy <afulch@pa.gov>; Mikal Sabatine <MSabatine@willamstwp.org>; Roger Bellas (rbellas@pa.gov) <rbellas@pa.gov>; Charlie@chrn.org; Tom McMonigle <tmcmongle@chrn.org>; Madden, Christopher <chmadden@pa.gov>; Bardzilouskas, Matthew <mbardziou@pa.gov>
Subject: Flare #3 weather issues

Importance: High

Mr. Mark Wejksznier, Program Manager
PA DEP Air Quality
2 Public Square
Wilkes-Barre, PA 18711-0790

Re: Notice of Flare shutdown
Chrin Brothers Sanitary Landfill

Dear Mr. Wejksznier:

Flare 3 has experienced numerous up and down issues since the snow storms last week. It is running more consistently since yesterday afternoon. We have ERG onsite going through the wellfield and flare issues. As we progress through the field issues and data review we will keep you up to date.
Please let me know if you have any questions. Thank you.

Joe Klobusicky
1225 Industrial Drive
Easton, PA 18042
Phone: 610-258-8737 ext. 34
Cell: 484-221-4626
Cell: 610-653-0829

2

Chrin Landfill
GCCS Reportable Event – Flare 3
Low Operating Temperature
January 27th to February 9th 2021

Event Summary

Flare temperatures are required to be monitored and recorded pursuant to federal NSPS requirements under 40 CFR Subpart WWW, Section 60.757(f)(1). Flare temperatures are monitored at the landfill using a computer database system which records 1-minute averages for flare operating temperature. Paper circular flare charts, which record temperature and flow rate, are kept on file as back-up. Based on a review of the data, Flare 3 operated for 199.02 hours (11,941 minutes) with a stack temperature approximately 28 degrees Celsius (50°F) below the Flare 3 stack test temperature of 1,709°F. A summary of the dates and durations of the temperature excursions is provided below:

Date	Total Time at Low Temperature (min)	Startup/Shutdown Events
1/27/2021	47	0
1/28/2021	832	0
1/29/2021	414	3
1/30/2021	659	2
1/31/2021	1,166	12
2/1/2021	1,413	1
2/2/2021	1,234	12
2/3/2021	1,038	24
2/4/2021	1,185	14
2/5/2021	1,085	21
2/6/2021	1,129	19
2/7/2021	1,101	16
2/8/2021	627	8
2/9/2021	11	0
Total	11,941	132

Operational Issues Identified

During the affected period of January 26th to February 9th, Flare 3 was running as designed and programmed until multiple snowfall/icing events which occurred on January 26th and 31st, and February 1st, 2nd, 5th, 7th and 9th resulted in damage to components of the landfill gas system collection at various locations in the landfill. On February 9th, 2021 the PADEP was notified of

those events. The following summary is intended to serve as an update to that notification and to provide a detailed explanation of the damage that occurred and the corrective actions taken.

1. Thirteen (13) gas wells / drains, identified as DR070, DR054, GW037, GW042, GW174, DR074, DR086, GW043, GW041, GW128, GW073, GW123, GW035, had vacuum connections that were severed and required repairs. Additionally, a six (6) inch main was broken due sliding snow, located between GW124 and GW038. Due to the location of these breakages and the snow covered ground conditions, it took an extended period of time to locate and repair these collection devices. The damage to these vacuum connections resulted in the intake of air into the system and led to a high oxygen condition in the landfill gas at Flare 3. The increased oxygen in the landfill gas contributed to the observed low stack temperatures.
 - Corrective Actions: Vacuum connections at the fourteen (14) locations were repaired and the wells were adjusted per NSPS requirements.
2. One (1) valve failure in the wellfield header piping was located on February 8th, 2021. The failure of this valve resulted in reduced gas collection from multiple gas collection devices and increased the vacuum at the break locations identified in Item 1 and contributed to an increased amount of air entering the system at those locations.
 - Corrective Actions – The valve was replaced on February 1st, 2021 and sufficient vacuum was restored to the affected devices.
3. On February 8th and 9th, 2021 Flare 3 was evaluated by EARTHRES personnel to identify any components that could be adjusted to resolve the low temperature conditions. This evaluation resulted in the identification of two (2) repairs/changes that were required. The first component identified was a restriction in the flare intake-air louver system that was not allowing the louvers to close properly. This was repaired when identified. The second item identified was a system control setting that is set to shut the flare down automatically when a low temperature condition occurs. This setting had been mistakenly changed by the operator.
 - Corrective Actions: On February 8th, 2021, the manual louver on the Flare was repaired and fully closed. Although this repair was successful in increasing the stack temperature, further modifications were required to maintain the minimum operating temperature. On February 9th, 2021, the low temperature setting was adjusted to the correct value of 1,659 °F and one of the automatic louvers was disconnected and the louver was closed. As a result of these changes, Flare 3 returned to fully automatic operation and there were no additional low temperature events.

Additional Planned Corrective Actions

As a result of the issues identified above, Chrin will be working with EARTHRES to fully evaluate the operational landfill gas collection system. It is planned that the evaluation will identify areas of the system that can be modified and/or expanded to provide more collection piping redundancy. Additionally, the site's existing header monitoring and isolation system will be modified to allow for faster identification of failed components and temporary isolation until repairs can be safely completed. Operational and system modifications will be incorporated into the site's GCCS plan that is currently undergoing updates for the recently approved landfill expansion.

Faulch, Amy

From: Joe Klobusicky <jklobusicky@chrin.org>
Sent: Wednesday, March 17, 2021 9:46 AM
To: Wejkszner, Mark; Gregchrin@aol.com; Schweitzer, Andrew; Glogowski, Matthew; Faulch, Amy; Mikal Sabatine; Bellas, Roger; Madden, Christopher; Bardzilouskas, Matthew
Subject: [External] RE: Flare shutdown - follow-up

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Follow-up:

The gas crew has been working on repairs that occurred due to the windstorm Sunday through Monday.

From: Joe Klobusicky
Sent: Tuesday, March 16, 2021 9:19 AM
To: Mark Wejkszner (mwejkszn@pa.gov) <mwejkszn@pa.gov>; Gregchrin@aol.com; 'Schweitzer, Andrew' <aschweitz@state.pa.us>; Glogowski, Matthew <mglogowski@pa.gov>; Faulch, Amy <afaulch@pa.gov>; Mikal Sabatine <MSabatine@williamstwp.org>; Roger Bellas (rbellas@pa.gov) <rbellas@pa.gov>; charliec@chrin.org; Tom McMonigle <tmcmonigle@chrin.org>; Madden, Christopher <chmadden@pa.gov>; Bardzilouskas, Matthew <mbardzilou@pa.gov>
Subject: Flare shutdown

Mr. Mark Wejkszner, Program Manager
PA DEP Air Quality
2 Public Square
Wilkes-Barre, PA 18711-0790

Re: Notice of Flare shutdown
Chrin Brothers Sanitary Landfill

Dear Mr. Wejkszner:

Flare 3 has experienced a shutdown last night. We have been performing well and header line work. I will update you as soon as I get more information.

Joe Klobusicky
12255 Industrial Drive
Easton, PA 18042
Phone: 610-258-8737 ext. 34
Cell: 484-221-4626
Cell: 610-653-0829

Faulch, Amy

From: Joe Klobusicky <jklobusicky@chrin.org>
Sent: Tuesday, March 23, 2021 12:43 PM
To: Faulch, Amy
Subject: [External] update
Attachments: Site photos March 23 2021.pdf

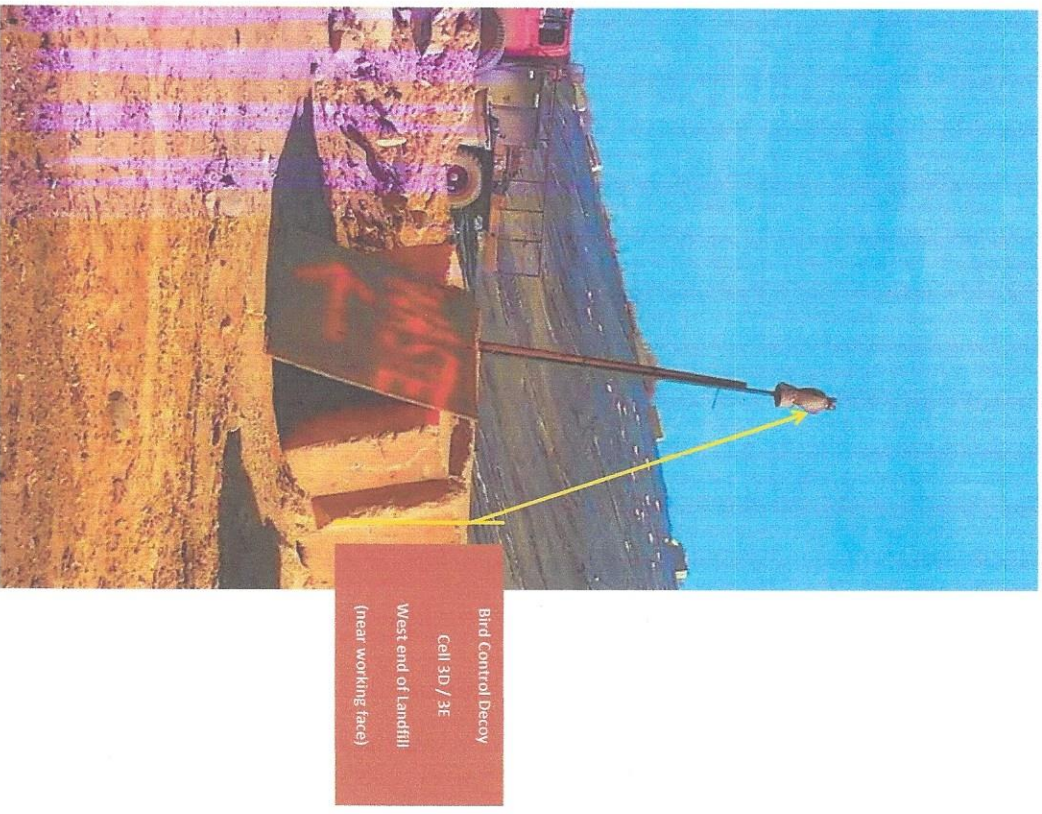
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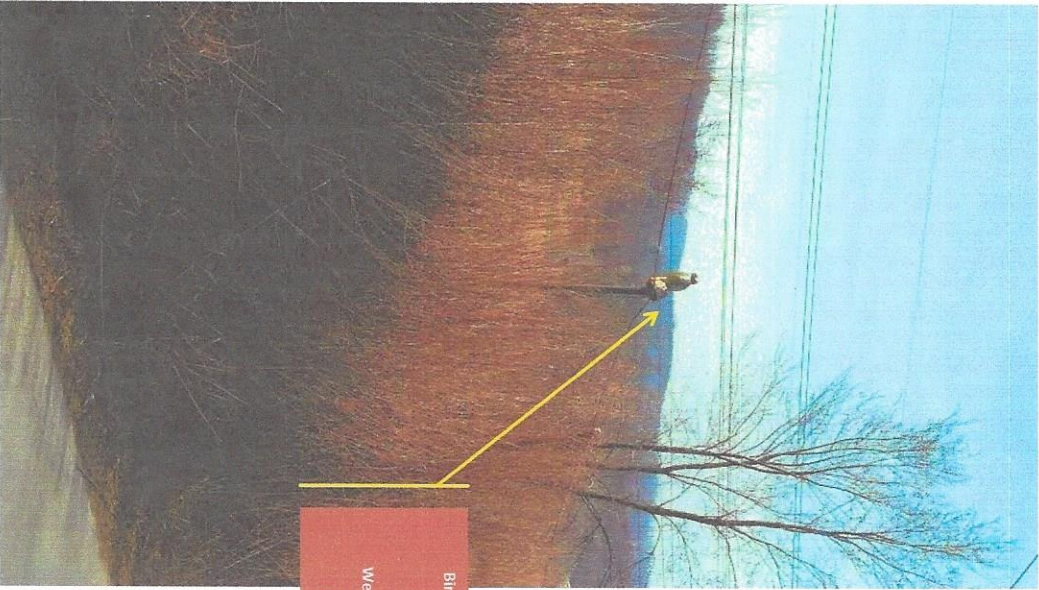
Hi Amy,

Attached are some site photos – bird control measures and leachate seep repair. Please let me know if you have any questions. Thanks.

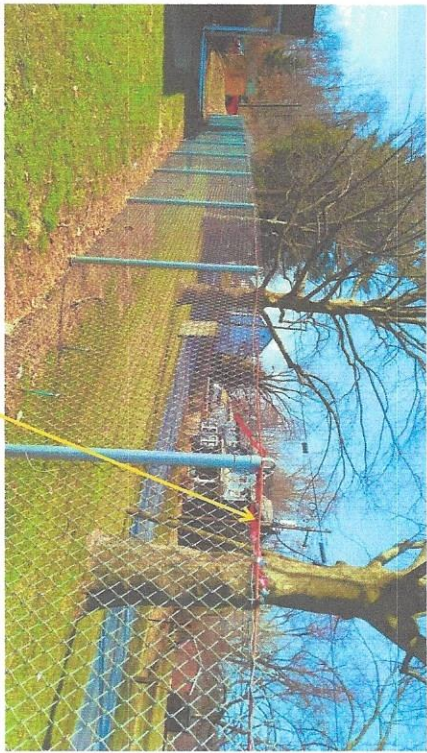
Joe k

March 23, 2021 – Chris Landfill





Bird Control Decoy
Cell 3D / 3E
West end of Landfill
(At fence line)



Bird Control Streamers
West end of Landfill
(Front fence line)

Faulch, Amy

From: Joe Klobusicky <jklobusicky@chrin.org>
Sent: Friday, March 26, 2021 3:08 PM
To: Faulch, Amy; Ritter, Dean
Subject: [External] Temp cap panels and high winds

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FYI.... Due to the high winds this afternoon, 4-5 panels blew off of the temp cap area. We gave the panels and will repair as soon as possible.

Sincerely,

Joe Klobusicky
484-221-4626

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Faulch, Amy

From: Joe Klobusicky <jklobusicky@chrin.org>
Sent: Tuesday, March 30, 2021 10:35 AM
To: Faulch, Amy; Mikal Sabatine; (kfaubert@williamstwp.org); Melody Ernst
Subject: [External] leachate seep repair

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FYI – we are continuing with leachate seep repairs and there may be the potential for offsite odor associated with this.

Faulch, Amy

From: Joe Klobusicky <jklobusicky@chrin.org>
Sent: Thursday, April 1, 2021 4:32 PM
To: Faulch, Amy
Subject: [External] Fwd: inspection follow-up

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Hi Amy,
Here's a follow-up to the two gas well odors during yesterday's inspection.

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From: Charlie R Chrin <charliec@chrin.org>
Sent: Thursday, April 1, 2021 3:06:46 PM
To: Joe Klobusicky <jklobusicky@chrin.org>; Justin Souders <jsouders@chrin.org>
Subject: RE: inspection follow-up

Joe,

We adjusted and tightened the boot of GW148, as well as replacing a valve, allowing more flow from the well, clearing up the odor immediately. As far as behind the candlestick, I believe what you smelled to be a leach which Will is working on. The leach is located on the second bench next one of the newly drilled gas wells.

Thanks,

Charles R Chrin

Chrin Brothers Landfill
Easton, PA 18042

(610) 258-8737 Office
(484) 544-9082 Cell

From: [Joe Klobusicky](#)
Sent: Thursday, April 1, 2021 11:03 AM
To: [Charlie R Chrin](#); [Justin Souders](#)
Subject: inspection follow-up

Charlie,
Any follow-up to the well issues from DEP inspection yesterday?

Joe k

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