Air Pollution Control Pre-Construction Permit

Permit Activity ID Number: PCP010001
Approval Date: 5/16/01

Facility ID Number: 61092
Expiration Date: 5/16/06

Mailing Address	Plant Location
John S. Campi Jr. NJDOT 1035 Parkway Ave Trenton, NJ 08625	NJDOT DUCK ISLAND LANDFILL RT 29 Hamilton Twp Mercer County

The New Jersey Department of Environmental Protection (Department) has reviewed the referenced air pollution control permit application. On the basis of the information available, the Department concludes that the application satisfies all applicable requirements of the New Jersey Air Pollution Control regulations codified at N.J.A.C. 7:27 et seq.. This Air Pollution Control Permit shall supercede any existing Air Pollution Control Permits issued for the specified source. This permit allows for inspection and evaluation of the equipment by the Department to assure conformance with all provisions of N.J.A.C. 7:27 et seq. and any other applicable federal requirements codified at 40 CFR 52, 60, 61 and 63.

The equipment that is authorized to be installed and operated under this approval is described in Section A, Source Operations. Equipment at the facility referenced by this Permit shall be operated in accordance with the Conditions of Approval set forth in the attached document titled "Facility Specific Requirements" in Section E which also includes the "General Provisions."

This Air Pollution Control Pre-Construction Permit and Certificate to Operate is being issued as a 5-year operating certificate.

If, in your judgement as an applicant for an air pollution control permit, the Department is imposing any unreasonable Condition of Approval, you may contest the Department's decision and request a contested case hearing pursuant to the Administrative Code at N.J.A.C. 1:1. All requests for contested case hearings must be received in writing by the Department within twenty (20) calendar days of the date you receive this permit approval and must contain the information specified in Section G (Permit Action Appeal Form).

If you have any questions on this matter, please call The Bureau of New Source Review at (609) 292-6716.

Approved by:

_____

Louis Mikolajczyk, Chief
Bureau of New Source Review

AIR POLLUTION CONTROL PRECONSTRUCTION PERMIT

Section A

Facility Name: NJDOT DUCK ISLAND LANDFILL
Facility ID No.: 61092
Activity ID No.: PCP010001

SOURCE OPERATIONS

This Preconstruction Permit and the Certificate to Operate for the following equipment is issued pursuant to N.J.A.C. 7:27-8.

Description of Source Activity

Source Operation Type:	Solid Waste Landfill
Source Operation Description:	Passive Gas Collection System
Source Operation Details:	The sources authorized by this permit shall be operated within the parameters specified in the detailed information attached to this section. Operation of the authorized sources within these parameters is required in addition to compliance with the conditions specified in Section D – Facility Specific Requirements of this permit.

AIR POLLUTION CONTROL PRECONSTRUCTION PERMIT

Section E

Facility Name: NJDOT DUCK ISLAND LANDFILL
Facility ID No.: 61092
Activity ID No.: PCP010001

FACILITY SPECIFIC REQUIREMENTS

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Not withstanding compliance with other provisions of N.J.A.C. 7:27-1 et seq., no person shall cause, suffer, allow or permit to be emitted into the outdoor atmosphere substances in quantities which shall result in air pollution as defined at N.J.A.C. 7:27-5.1 [N.J.A.C. 7:27- 5.2(a)]	Other: Observation of plant operations. [N.J.A.C. 7:27- 8.13(a)]	Other: Maintain a copy of all information submitted to the Department. [N.J.A.C. 7:27- 8.13(a)].	Notify by phone: Upon occurrence of event. A person who causes a release of air contaminants in a quantity or concentration which poses a potential threat to public health, welfare or the environment or which might reasonably result in citizen complaints shall immediately notify the Department. Such notification shall be made by calling the Environmental Action Hotline at (877) 927-6337. [N.J.S.A. 26:2C-19(c)]
2	The permittee shall not construct, reconstruct, install or modify a significant source without first obtaining a preconstruction permit under N.J.A.C. 7:27-8. This does not apply when conducting only normal repair or maintenance of control apparatus or equipment as defined at N.J.A.C. 7:27-8.1 and N.J.A.C. 7:27-8.3(i) [N.J.A.C. 7:27-8.3(a)]	None.	None.	Comply with requirement: Upon occurrence of event. [N.J.A.C. 7:27- 8.3(a)]
3	The permittee shall not operate (nor cause to be operated) a significant source without a valid operating certificate. This condition does not apply when conducting only normal repair or maintenance of control apparatus or equipment as defined at N.J.A.C. 7:27-8.1 and N.J.A.C. 7:27-8.3(i). [N.J.A.C. 7:27- 8.3(b)]	None.	None.	Comply with requirement: Upon occurrence of event. [N.J.A.C. 7:27- 8.3(b)]

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
4	The permittee shall not take any action which requires a permit revision, compliance plan change, seven-day-notice change, amendment, or change to a batch plant permit, under any applicable provision at N.J.A.C. 7:27-8.17 through 8.23, without complying with that applicable provision. This condition does not apply when conducting only normal repair or maintenance of control apparatus or equipment, as defined at N.J.A.C. 7:27-8.1 and N.J.A.C. 7:27-8.3(i). The permittee shall review the provisions of N.J.A.C 7:27-18 through 7:27-8.21 to determine the appropriate type of request to file. [N.J.A.C. 7:27- 8.3(c)]	None.	None.	Comply with requirement: Upon occurrence of event. [N.J.A.C. 7:27- 8.3(c)]
5	The permittee shall file a permit revision request and receive approval from the Department prior to increasing any maximum allowable emission limit, increasing actual emissions, to a rate or concentration greater than a maximum allowable emission limit, causing the emissions of a new air contaminant, using a new raw material, reconstructing equipment, changing the ground level concentration of an air contaminant in an area where the public has access, replacing the permitted source, or constructing or installing a new significant source. [N.J.A.C. 7:27- 8.18]	None.	None.	Comply with requirement: Upon occurrence of event. [N.J.A.C. 7:27- 8.18]

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
6	The permittee shall file a compliance plan change request and receive approval from the Department prior to decreasing the frequency of testing monitoring, recordkeeping or reporting; changing the monitoring method; changing a level, rate or limit of an operational parameter included in the conditions; or reducing a source's potential to emit. [N.J.A.C. 7:27- 8.19]	None.	None.	Comply with requirement: Upon occurrence of event. [N.J.A.C. 7:27- 8.19]
7	At least seven days prior to proceeding with a physical or operational change that is outside the scope of activities allowed by this permit, but will not increase emissions over the allowable emissions and will not alter the stack characteristics, the permittee shall file a seven-day-notice change. The permittee may proceed with the proposed changes seven days after such notice is filed with the Department. [N.J.A.C. 7:27- 8.20]	None.	None.	Comply with requirement: Upon occurrence of event. [N.J.A.C. 7:27- 8.20]
8	The permittee shall file an amendment within 120 days of making any change of the information contained within Section D of this permit (Facility Profile), changing the name, number or designation of any equipment or stack covered by this permit, changing the parameters of a stack in such a way to reduce the ground level concentration of an air contaminant, or correction of a typographical error that will not result in an increase of actual or allowable emissions. [N.J.A.C. 7:27- 8.21]	None.	None.	Comply with requirement: Upon occurrence of event. [N.J.A.C. 7:27- 8.21]
9	The permittee shall make this permit, together with any amendments, seven-day-notices, or other documents related to this permit, readily available for inspection on the operating premises. [N.J.A.C. 7:27- 8.3(d)]	None.	None.	Comply with requirement: Upon occurrence of event. [N.J.A.C. 7:27- 8.3(d)]

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Subject Item: **FC**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
10	The permittee shall not use or cause to be used the equipment or control apparatus specified in this permit unless all components connected or attached to, or serving, the equipment or control apparatus, are functioning properly and are in compliance with all provisions of this permit. [N.J.A.C. 7:27- 8.3(e)]	None.	None.	As indicated in this permit Comply with requirement: At no specified schedule. [N.J.A.C. 7:27- 8.3(e)]
11	This permits is not transferable either from the location authorized in this permit to another location, or from any one piece of control apparatus or equipment to another piece of control apparatus or equipment. [N.J.A.C. 7:27- 8.3(f)]	None.	None.	Comply with requirement: Upon occurrence of event. [N.J.A.C. 7:27- 8.3(f)]
12	The permute is fully responsible for compliance with N.J.A.C. 7:27-8 and with this permit and certificate, including adequate design, construction and operation of the source, even if employees, contractors, or others work on or operate the permitted source. If the Department issues any other requirement with the force of law, such as an order, which applies to the source, the permittee is also responsible for compliance with that requirement. [N.J.A.C. 7:27- 8.3(g)]	None.	None.	Comply with requirement: Upon occurrence of event. [N.J.A.C. 7:27- 8.3(g)]
13	This permit does not relieve the permittee from the obligation to obtain all necessary permits from other governmental agencies and to comply with all other applicable Federal State and local rules and regulations. [N.J.A.C. 7:27- 8.3(h)]	None.	None.	Comply with requirement: Upon occurrence of event. [N.J.A.C. 7:27- 8.3(h)]

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14	The permittee shall not suffer, allow, or permit any air contaminant detectable by the sense of smell to be present in the outdoor atmosphere in such quantity and duration which is, or tends to be, injurious to human health or welfare, animal or plant life or property, or would unreasonably interfere with the enjoyment of life or property. This shall not include an air contaminant which occurs only in areas over which the permittee has exclusive use or occupancy. In determining whether an odor unreasonably interferes with the enjoyment of life or property, the Department shall consider all of the relevant facts and circumstances, including, but not limited to, the character, severity, frequency and duration of the odor, and the number of persons affected thereby. In considering these and other relevant facts and circumstances, no one factor shall be dispositive, but each shall be considered relevant in determining whether and odor interferes with the enjoyment of life and property and, if so, whether such interference is unreasonable considering all of the circumstances. [N.J.A.C. 7:27- 8.3(j)]	Other: Observation of plant operations. [N.J.A.C. 7:27- 8.3(j)].	Other: Maintain a copy of all information submitted to the Department. [N.J.A.C. 7:27- 8.3(j)].	Notify by phone: Upon occurrence of event. The permittee shall report any operation of the equipment which may cause a release of air contaminants in a quantity which poses a potential threat to public health, welfare, or the environment or which might reasonably result in citizen complaints. The permittee shall immediately notify the Department of any non-compliance by calling the Environmental Action Hotline at (877)927-6337. [N.J.S.A. 26:2C-19(e)]
15	The Department and its representatives have the right to enter and inspect any facility or property in accordance with N.J.A.C. 7:27-1.31. [N.J.A.C. 7:27- 8.3(m)]	None.	None.	None.

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
16	There shall be an affirmative defense to liability for penalties for a violation of this permit occurring as a result of an equipment malfunction, an equipment start-up, an equipment shut-down, or during the performance of necessary maintenance. The affirmative defense shall be asserted and established as required pursuant to P.L. 1993. c. 89 (adding N.J.S.A. 26:2C-19.1 through 2C-19.5) and any rules the Department promulgates thereunder, and shall meet all of the requirements thereof. There shall also be an affirmative defense to liabilities for penalties or other sanctions for noncompliance with any technology based emission limitation in this permit, if the noncompliance was due to an emergency as defined in N.J.A.C. 7:27-22.1, provided that the affirmative defense is asserted and established in compliance with 40 CFR 70.6(g) and meets all requirements thereof. [N.J.A.C. 7:27- 8.3(n)]	None.	None.	Comply with requirement: Upon occurrence of event. [N.J.A.C. 7:27- 8.3(n)]
17	The permittee shall not cause or use the equipment specified in this permit in a manner that will result in the emission of any air contaminant not listed in the Conditions of Approval at a rate equal to or higher than the applicable reporting threshold set forth at N.J.A.C. 7:27-8 Appendix I, Table A or B. [N.J.A.C. 7:27-8.4(k)1]	None.	None.	As indicated in this permit Comply with requirement: At no specified schedule. [N.J.A.C. 7:27- 8.4(k)1]
18	No air contaminant, or category of air contaminant where accepted by the Department, shall be emitted other than those approved in the pre-construction permit. [N.J.A.C. 7:27- 8.13(a)]	None.	None.	As indicated in this permit Comply with requirement: At no specified schedule. [N.J.A.C. 7:27- 8.13(a)]

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
19	Any person to whom the Department has issued a preconstruction permit or certificate shall comply with all terms and conditions of any order related to the preconstruction permit or certificate. [N.J.A.C. 7:27-8.13(a)]	None.	None.	Comply with requirement: Upon occurrence of event. [N.J.A.C. 7:27- 8.13(a)]
20	The permittee shall maintain all records required in the Conditions of Approval for a period of five calendar years from the calendar year within which the record was generated. [N.J.A.C. 7:27- 8.13(a)]	None.	Other: Maintain records for a period of five calendar years [N.J.A.C. 7:27- 8.13(a)].	None.
21	The Department may change the conditions of approval of any approved certificate to operate at the time of renewal of a temporary operating certificate; at the time of approval or renewal of a five-year operating certificate; or at any time during the period a certificate is in effect, if the Department determines that such change is necessary to protect human health or welfare or the environment. [N.J.A.C. 7:27- 8.13(b)]	None.	None.	Comply with requirement: Upon occurrence of event. [N.J.A.C. 7:27- 8.13(a)]
22	Upon request of the Department, the permittee shall submit to the Department information relevant to the operation of equipment and control apparatus including all information specified at N.J.A.C. 7:27-8.13(c). [N.J.A.C. 7:27- 8.13(c)]	None.	None.	Demonstrate compliance: Upon occurrence of event. [N.J.A.C. 7:27- 8.13(c)]

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
23	If the conditions of this permit or certificate to operate require the Department to incur any of the following charges, the permittee shall reimburse the Department for the full amount of these charges: (1) The charges billed by any phone company for the maintenance of a dedicated telephone line required by this permit or the certificate to operate for the electronic transmission of data; or (2) The charges billed by any laboratory for performing the analysis of audit samples collected pursuant to testing or monitoring required by this permit or certificate to operate. [N.J.A.C. 7:27-8.13(g)]	None.	None.	Comply with requirement: Upon occurrence of event. [N.J.A.C. 7:27- 8.13(g)]
24	Any exceedance of the operating requirements or emission concentrations specified in this permit shall be reported within three (3) business days, by writing, to the Regional Enforcement Office. [N.J.A.C. 7:27- 8.13(h)]	Other: Conduct all measurements as indicated in this permit [N.J.A.C. 7:27-8.13(h)].	Other: Maintain a copy of all information submitted to the Department. [N.J.A.C. 7:27- 8.13(h)].	Comply with requirement: Upon occurrence of event. [N.J.A.C. 7:27- 8.13(h)]

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
25	The permittee shall, when requested by the Department, provide such testing facilities exclusive of instrumentation and sensing devices as may be necessary for the Department to determine the kind and amount of air contaminants emitted from the equipment or control apparatus. The testing facilities shall include the utilities, the structure to hold testing equipment and/or personnel, and any ports in stacks needed to carry out testing required by this permit. During testing by the Department, the equipment and control apparatus shall be operated under such conditions within their capacities as may be requested by the Department. The test facilities may be either permanent or temporary, at the discretion of the person responsible for their provision, and shall conform to all applicable laws, regulations, and rules concerning the safe construction and safe practice. Testing facilities which contain platforms and other means of personnel access shall conform to OSHA standards. [N.J.A.C. 7:27- 8.13(i)]	None.	None.	Comply with requirement: Upon occurrence of event. [N.J.A.C. 7:27- 8.13(i)]
26	Upon request of the Department, the permittee shall submit to the Department any record relevant to any permit or certificate. Such records shall be submitted to the Department within thirty (30) days of the request by the Department, or within a longer time period if approved in writing by the Department. [N.J.A.C. 7:27- 8.15(a)]	None.	Other: Maintain a copy of all information submitted to the Department. [N.J.A.C. 7:27- 8.15(a)].	Comply with requirement: Upon occurrence of event. [N.J.A.C. 7:27- 8.15(a)]

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
27	The permittee shall submit any required report in a format and on a schedule approved by the Department. Such a report shall be transmitted on paper, on computer disk, or electronically, at the discretion of the Department. Any report submitted to the Department, including but not limited to a report submitted as an amendment of the permit pursuant to N.J.A.C. 7:27-8.3(c), shall include as an integral part of the report, certifications complying with N.J.A.C. 7:27-1.39. [N.J.A.C. 7:27- 8.15(b)]	None.	Other: Maintain a copy of all information submitted to the Department. [N.J.A.C. 7:27- 8.15(b)].	Comply with requirement: Upon occurrence of event. [N.J.A.C. 7:27- 8.15(b)]
28	Any report submitted to the Department, including but not limited to, a report submitted as an amendment of this permit or the certificate to operate pursuant to N.J.A.C. 7:27-8.3(c) shall include, as an integral part of the report, certifications complying with N.J.A.C. 7:27-1.39. [N.J.A.C. 7:27- 8.15(c)]	None.	Other: Maintain a copy of all information submitted to the Department. [N.J.A.C. 7:27- 8.15(c)].	Comply with requirement: Upon occurrence of event. [N.J.A.C. 7:27- 8.15(c)]
29	Upon request of the Department, the permittee shall report, on forms obtained from the Department, the air contaminant actual emissions, and information relevant thereto, of any air contaminant or category of air contaminant emitted by the equipment, control apparatus, or source operation. [N.J.A.C. 7:27- 8.15(d)]	None.	Other: Maintain a copy of all information submitted to the Department. [N.J.A.C. 7:27- 8.15(d)].	Comply with requirement: Upon occurrence of event. [N.J.A.C. 7:27- 8.15(d)]
30	Any emission limit values in this permit shall be interpreted to be followed by inherent trailing zeros (0) in the decimal portion of the limit to three significant figures (e.g. a printed limit of "1 lb/hr" means a limit of "1.00 lb/hr"). [N.J.A.C. 7:27- 8.13(a)]	None.	None.	None.

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
31	The Department has included in this listing the state rules and regulations that apply to a majority of sources. The Department's failing to include a specific requirement in a rule or regulation that applies to a permittee does not relieve that permittee from the obligation to comply with that regulation. [N.J.A.C. 7:27- 8.13(a)]	None.	None.	None.
32	Please use the following address when submitting information to these offices: Bureau of Technical Services, P.O. Box 437, 380 Scotch Road, West Trenton, New Jersey 08625; Metro Regional Enforcement Office, 2 Babcock Place, West Orange, New Jersey 07052; Central Regional Enforcement Office, P.O. Box 407, Robbinsville, New Jersey 08625-0407; Southern Regional Enforcement Office, One Port Center, Suite 201, 2 Riverside Drive, Camden, New Jersey 08102; Northern Regional Enforcement Office, 1259 Route 46 Parsippany, New Jersey 07054. [N.J.A.C. 7:27- 8.13(a)]	None.	None.	None.
33	Any operation of equipment which may cause off-property effects, including odors, shall be immediately reported to the Department to the extent required by the Air Pollution Control Act, N.J.S.A. 26:2C-19(e). [N.J.S.A. 26:2C-19(e)]	Other: Observation of plant operations. [N.J.S.A. 26:2C-19(e)].	Other: Maintain a copy of all information submitted to the Department. [N.J.S.A. 26:2C-19(e)].	Notify by phone: Upon occurrence of event. A person who causes a release of air contaminants in a quantity or concentration which poses a potential threat to public health, welfare or the environment or which might reasonably result in citizen complaints shall immediately notify the Department. Such notification shall be made by calling the Environmental Action Hotline at (877) 927-6337. [N.J.S.A. 26:2C-19(e)]

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Subject Item: E1 PASSIVE GAS COLLECTION SYSTEM

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Maximum No. of Billable Compliance Inspections <= 4 inspections. The equipment covered by this permit will be subject to inspection fees for the maximum periodic compliance inspections (as defined in N.J.A.C. 7:27-8.1) over the life of the Certificate, after it receives final approval for a five year duration. The permittee will be invoiced for a $200 service fee per inspection pursuant to N.J.A.C. 7:27-8.6 after the periodic compliance inspection is conducted. [N.J.A.C. 7:27- 8.13(c)]			
2	No person shall use or cause to be used any equipment or control apparatus unless all components connected or attached to, or serving the equipment or control apparatus, are functioning properly and are in use in accordance with the preconstruction permit and certificate and all conditions and provisions thereto.			

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Subject Item: PT1 PASSIVE GAS VENTING SYSTEM. VENTS 1 THROUGH 45

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	No changes to the approved stack shall be made without prior approval from the Department, unless such change constitutes a seven-day-notice change pursuant to N.J.A.C. 7:27-8.20(b) and the permittee has complied with the appropriate seven-day-notice provisions of N.J.A.C. 7:27-8.20.[N.J.A.C. 7:27- 8.3(a)]			
2	Distance from Stack to Nearest Property Line >= 40 ft. [N.J.A.C. 7:27- 8.13(d)2ii]			
3	Stack Height Above Ground >= 3 ft. [N.J.A.C. 7:27- 8.13(d)2ii]			

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Subject Item: U1 LANDFILL WITH A PASSIVE GAS COLLECTION SYSTEM
Operating Scenario: OS Summary

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Methane <= 88.81 tons/yr. [N.J.A.C. 7:27-8.13(h)]	Methane: Monitored by calculations once initially, based on no averaging period. [N.J.A.C. 7:27- 8.13(d)2]	Methane: Recordkeeping by manual logging of parameter initial calculations only. [N.J.A.C. 7:27- 8.13(d)3]	
2	HAPs (Total) <= 0.12 tons/yr. [N.J.A.C. 7:27- 8.13(h)]	HAPs (Total): Monitored by calculations once initially, based on no averaging period. [N.J.A.C. 7:27- 8.13(d)2]	HAPs (Total): Recordkeeping by manual logging of parameter initial calculations only. [N.J.A.C. 7:27- 8.13(d)3]	
3	Hydrogen sulfide <= 0.14 tons/yr. [N.J.A.C. 7:27- 8.13(h)]	Hydrogen sulfide: Monitored by calculations once initially, based on no averaging period. [N.J.A.C. 7:27- 8.13(d)2]	Hydrogen sulfide: Recordkeeping by manual logging of parameter initial calculations only. [N.J.A.C. 7:27- 8.13(d)3]	
4	Methyl mercaptan <= 0.01 tons/yr. [N.J.A.C. 7:27- 8.13(h)]	Methyl mercaptan: Monitored by calculations once initially, based on no averaging period. [N.J.A.C. 7:27- 8.13(d)2]	Methyl mercaptan: Recordkeeping by manual logging of parameter initial calculations only. [N.J.A.C. 7:27- 8.13(d)3]	
5	Tetrachloroethylene <= 0.07 tons/yr. [N.J.A.C. 7:27- 8 13(h)]	Tetrachloroethylene: Monitored by calculations once initially, based on no averaging period. [N.J.A.C. 7:27- 8.13(d)2]	Tetrachloroethylene: Recordkeeping by manual logging of parameter initial calculations only. [N.J.A.C. 7:27- 8.13(d)3]	
6	VOC (Total) <= 0.13 tons/yr. [N.J.A.C. 7:27- 8.13(h)]	VOC (Total): Monitored by calculations once initially, based on no averaging period. [N.J.A.C. 7:27- 8.13(d)2]	VOC (Total): Recordkeeping by manual logging of parameter initial calculations only. [N.J.A.C. 7:27- 8.13(d)3]	

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Subject Item: U1 LANDFILL WITH A PASSIVE GAS COLLECTION SYSTEM
Operating Scenario: OS1 LANDFILL WITH A PASSIVE GAS COLLECTION SYSTEM

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Methyl mercaptan <= 0.0031 lb/hr. [N.J.A.C. 7:27- 8.13(h)]	Methyl mercaptan: Monitored by calculations once initially, based on no averaging period. [N.J.A.C. 7:27- 8.13(d)2]	Methyl mercaptan: Recordkeeping by manual logging of parameter initial calculations only. [N.J.A.C. 7:27- 8.13(d)3]	
2	Hydrogen sulfide <= 0.03 lb/hr. [N.J.A.C. 7:27- 8.13(h)]	Hydrogen sulfide: Monitored by calculations once initially, based on no averaging period. [N.J.A.C. 7:27- 8.13(d)2]	Hydrogen sulfide: Recordkeeping by manual logging of parameter initial calculations only. [N.J.A.C. 7:27- 8.13(d)3]	
3	The Permittee shall sample and analyze the landfill gas (including methane, non-methane hydrocarbons including toxic volatile organic substances) on a quarterly basis. [N.J.A.C. 7:27- 8.13(h)]	Monitored by gas sampling quarterly: once per quarter; quarters shall begin on January 1, April 1, July 1, and October 1 of each year, based on an instantaneous determination. The Department reserves the right to change the frequency of sampling based on a review of the analyses. The Permitee may petition the Deparment for a decrease in sampling requirements after one year (4 minimum samples). [N.J.A.C. 7:27-8.13(d)]	Recordkeeping by certified lab analysis results quarterly: once per quarter; quarters shall begin on January 1, April 1, July 1, and October 1 of each year. [N.J.A.C. 7:27-8.13(d)].	Submit a report: Within 60 days of sampling. [N.J.A.C. 7:27-8.13(d)].
4	VOC (Total) <= 0.03 lb/hr. [N.J.A.C. 7:27-8.13(h)]	VOC (Total): Monitored by calculations once initially, based on no averaging period. [N.J.A.C. 7:27- 8.13(d)2]	VOC (Total): Recordkeeping by manual logging of parameter initial calculations only. [N.J.A.C. 7:27- 8.13(d)3]	
5	Methane <= 20.28 lb/hr. [N.J.A.C. 7:27-8.13(h)]	Methane: Monitored by calculations once initially, based on no averaging period. [N.J.A.C. 7:27- 8.13(d)2]	Methane: Recordkeeping by manual logging of parameter initial calculations only. [N.J.A.C. 7:27- 8.13(d)3]	
6	Tetrachloroethylene <= 0.02 lb/hr. [N.J.A.C. 7:27- 8.13(h)]	Tetrachloroethylene: Monitored by calculations once initially, based on no averaging period. [N.J.A.C. 7:27- 8.13(d)2]	Tetrachloroethylene: Recordkeeping by manual logging of parameter initial calculations only. [N.J.A.C. 7:27- 8.13(d)3]	
7	HAPs (Total) <= 0.03 lb/hr. [N.J.A.C. 7:27-8.13(h)]	HAPs (Total): Monitored by calculations once initially, based on no averaging period. [N.J.A.C. 7:27- 8.13(d)2]	HAPs (Total): Recordkeeping by manual logging of parameter initial calculations only. [N.J.A.C. 7:27- 8.13(d)3]	