



State of New Jersey

PHILIP D. MURPHY
Governor

DEPARTMENT OF ENVIRONMENTAL PROTECTION

SHAWN M. LATOURETTE
Commissioner

SHEILA Y. OLIVER
Lt. Governor

AIR QUALITY, ENERGY AND SUSTAINABILITY
Division of Air Quality
Bureau of Stationary Sources
401 E. State Street, 2nd floor, P.O. Box 420, Mail Code 401-02
Trenton, NJ 08625-0420

Air Pollution Control Preconstruction Permit and Certificate to Operate Construction of a New Source

Permit Activity Number: PCP210001

Program Interest No: 78285

Mailing Address	Plant Location
ANTHONY AGLIATA DIR OF OCEAN CO DEPT OF SOLID WASTE OCEAN CNTY SOLID WASTE MANAGEMENT PO BOX 2191 - 129 HOOPER AVE Toms River, NJ 08754-2191	OCEAN CNTY NORTHERN REG RECYCLING CTR 601 New Hampshire Ave Lakewood Ocean County, New Jersey

Approval Date: <NO DATA FOUND>

Expiration Date: <NO DATA FOUND>

The New Jersey Department of Environmental Protection (Department) has reviewed the above referenced air pollution control permit application. On the basis of the information provided, 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 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 and Section D, Equipment Inventory. Equipment at the facility referenced by this Permit shall be operated in accordance with the Conditions of Approval set forth in Section D, Facility Specific Requirements.

The Department hereby issues this permit and certificate under the authority of chapter 106, P.L. 1967(N.J.S.A 26:2C-9.2). You may construct, reconstruct, install, or modify the above referenced equipment and/or control apparatus consistent with the approval.

The approved Permit is available for download in PDF format which contains the facility's specific requirements (compliance plan) at: <http://www.nj.gov/dep/aqpp>. After accessing the web site, click on "Approved PCP Permits" listed under "Reports" and then type in your Program Interest (PI) Number, 78285, as instructed on the screen. You will be able to view, print or electronically store your permit. If you have any questions regarding this permit approval, please contact the Department at the Preconstruction Permit Help Line available from 9:00 AM to 4:00 PM daily, where you may speak to

someone about any technical questions you may have. The Preconstruction Permit Technical Help Line number is 609-292-6716.

If, in your judgment 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. 7:27-1.32(a). 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 the Administrative Hearing Request Checklist and Tracking Form.

If you have any non technical questions please use the Bureau's number 609- 292-0834. If you have any questions when filing a General Permit please use the General Permit Help number 609-633-2829.

Approved by:

Fred Ballay
Preconstruction Permits

Administrative Hearing Request Checklist and Tracking Form

I. Document Being Appealed

Name of the Facility	Facility ID Number	Permit Activity Number	Issuance Date
OCEAN CNTY NORTHERN REG RECYCLING CTR	78285	PCP210001	

II. Contact Information

Name of Person Requesting Hearing	Name of Attorney (if applicable)
Address:	Address:
Telephone:	Telephone:

III. Please include the following information as part of your request:

- A. The date the permittee received the permit decision;
- B. Two printed copies of the document being appealed – for submitting to address 1 below;
A PDF copy of the document being appealed on a CD – for submitting to address 2 below
- C. The legal and factual questions you are appealing;
- D. A statement as to whether or not you raised each legal and factual issues during the permit application process;
- E. Suggested revised or alternative permit conditions;
- F. An estimate of the time required for the hearing;
- G. A request, if necessary, for a barrier-free hearing location for physically disabled persons;
- H. A clear indication of any willingness to negotiate a settlement with the Department prior to the Departments processing of your hearing request to the Office of Administrative Law;

Mail this form, completed, signed and dated with all of the information listed above, including attachment, to:

1. New Jersey Department of Environmental Protection
Office of Legal Affairs
Attention: Adjudicatory Hearing Requests
401 E. State Street, P.O. Box 402
Trenton, New Jersey 08625
2. Mail Code: 401-02
New Jersey Department of Environmental Protection
Air Quality Program
P.O. Box 420
Trenton, New Jersey 08625-0420
Phone: (609) 633-2829

Signature

Date

Administrative Hearing Request Checklist and Tracking Form

IV. If you are not the applicant but rather an interested person claiming to be aggrieved by the permit decision, please include the following information:

1. The date you or your agent received notice of the permit decision (include a copy of that permit decision with your hearing request);
2. Evidence that a copy of the request has been delivered to the applicant for the permit which is the subject of the permit decision;
3. A detailed statement of which findings of fact and/or conclusion of law you are challenging;
4. A description of your participation in any public hearings held in connection with the permit application and copies of any written comments you submitted;
5. Whether you claim a statutory or constitutional right to a hearing, and, if you claim such a right, a reference to the applicable statute or explanation of how your property interests are affected by the permit decision;
6. If the appeal request concerns a CAFRA permit decision, evidence that a copy of the request has been delivered to the clerks of the county and the municipality in which the project which is the subject of the permit decision is located;
7. Suggested revised or alternative permit conditions;
8. An estimate of the time required for the hearing;
9. A request, if necessary, for a barrier-free hearing location for physically disable persons;
10. A clear indication of any willingness to negotiate a settlement with the Department prior to the Department's transmittal of the hearing request to the Office of Administrative Law;

Mail this form, completed, signed and dated with all of the information listed above, including attachment, to:

New Jersey Department of Environmental Protection
Office of Legal Affairs
Attention: Adjudicatory Hearing Requests
401 East State Street, P.O. Box 402
Trenton, New Jersey 08625-0402

Mail Code: 401-02
New Jersey Department of Environmental Protection
Air Quality Program
P.O. Box 420
Trenton, New Jersey 08625-0420
Phone: (609) 633-2829

Signature

Date

AIR POLLUTION CONTROL PRECONSTRUCTION PERMIT

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Facility ID No.: 78285

Permit Activity No.: PCP210001

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AIR POLLUTION CONTROL PRECONSTRUCTION PERMIT

Section A

Facility Name: OCEAN CNTY NORTHERN REG RECYCLING CTR

Facility ID No.: 78285

Permit Activity No.: PCP210001

AUTHORIZED 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: Compost/ recycling center

Source Operation Description: Windrow turner

Source Operation Details: The sources authorized by this permit shall be operated within the parameters specified in the Equipment, and/or Emission Unit/Batch Process Operating Scenario Details of this permit. Operation of the authorized sources within these parameters is required in addition to compliance with the conditions specified in Section D– Facility Specific Requirements.

AIR POLLUTION CONTROL PRECONSTRUCTION PERMIT

Section B

Facility Name: OCEAN CNTY NORTHERN REG RECYCLING CTR

Facility ID No.: 78285

Permit Activity No.: PCP210001

ACRONYMS

CEMS	Continuous Emissions Monitor System
CFR	Code of Federal Regulations
CO	Carbon Monoxide
COMS	Continuous Opacity Monitor System
EPA	United States Environmental Protection Agency
EMS	Emission Measurement Section - NJDEP
HAP	Hazardous Air Pollutant
N.J.A.C.	New Jersey Administrative Code
NJDEP	New Jersey Department of Environmental Protection
NOx	Oxides of Nitrogen
PM-2.5	All particulate matter having an aerodynamic diameter less than or equal to a nominal 2.5 microns
PM-10	All particulate matter having an aerodynamic diameter less than or equal to a nominal 10 microns
PST	Performance Specification Test
REO	Regional Enforcement Office - NJDEP
SO ₂	Sulfur Dioxide
TSP	Total Suspended Particulate Matter
VOC	Volatile Organic Compounds

AIR POLLUTION CONTROL PRECONSTRUCTION PERMIT

Section C

Facility Name: OCEAN CNTY NORTHERN REG RECYCLING CTR

Facility ID No.: 78285

Permit Activity No.: PCP210001

GENERAL PROVISIONS AND AUTHORITIES Preconstruction Permits

1. The permittee shall not construct, reconstruct, install, or modify a significant source or control apparatus serving the significant source without first obtaining a preconstruction permit under N.J.A.C. 7:27-8. [N.J.A.C. 7:27-8.3(a)]
2. The permittee shall not operate (nor cause to be operated) a significant source or control apparatus serving the significant source without a valid operating certificate. [N.J.A.C. 7:27-8.3(b)]
3. Permit Revisions:

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.

The following summarize N.J.A.C. 7:27-8.18 through 8.21:

- a. 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, causing the emissions of a new air contaminant, use a new raw material, reconstructing equipment, change the ground level concentration of an air contaminant in an area where the public has access, replace the permitted source, or constructing or installing a new significant source. [N.J.A.C. 7:27-8.18]
- b. 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]
- c. 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].

- d. The permittee shall file an amendment within 120 days of making any change of the information which allows the Department to identify and contact the permittee, 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]
The permittee shall review the provisions of N.J.A.C. 7:27-8.18 through 7:27-8.21 to determine the appropriate type of request to file.
4. The permittee shall make the preconstruction permit or certificate, together with any amendments, seven-day-notices, or other documents related to the permit and certificate, readily available for Department inspection on the operating premises. [N.J.A.C. 7:27-8.3(d)]
5. The permittee shall not use or cause to be used the equipment or control apparatus unless all components connected or attached to, or serving, the equipment or control apparatus, are functioning properly and are in compliance with the preconstruction permit and certificate and all conditions and provisions thereto. [N.J.A.C. 7:27-8.3(e)]
6. A preconstruction permit is not transferable either from the location authorized in the preconstruction 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)]
7. Once a permit or certificate is issued, the permittee is fully responsible for compliance with N.J.A.C. 7:27-8 and with the 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)]
8. Preconstruction permits and certificates do not any way relieve the permittee from the obligation to obtain necessary permits from other government agencies and to comply with all other applicable Federal, State, and local rules and regulations. [N.J.A.C. 7:27-8.3(h)]
9. 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)]
10. There shall be an affirmative defense to liability for penalties for a violation of a preconstruction permit or certificate occurring as a result of an equipment malfunction, an equipment start-up, an equipment shutdown, 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 or certificate, if the noncompliance was due to an emergency as defined at 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)]
11. 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)]
 12. The permittee shall maintain all records required in the permit for a period of five (5) calendar years. [N.J.A.C. 7:27-8.13(a)]
 13. 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)]
 14. 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)]
 15. If the conditions of a preconstruction 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 the certificate to operate. [N.J.A.C. 7:27-8.13(g)]
 16. Any failure to comply with the operating requirements or exceedance of emission concentrations specified in a preconstruction permit shall be reported within three (3) business days by calling the Environmental Action Hotline at (877) 927-6337 AND in writing to the Regional Enforcement Office within 30 days of the failure or exceedance. [N.J.A.C. 7:27-8.13(h)]
 17. 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 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)]

18. 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)]
19. A permittee shall submit any required report in a format and on a schedule approved by the Department. Such report shall be transmitted on paper, by hand delivery, on computer disk, or electronically, at the discretion of the Department. [N.J.A.C. 7:27-8.15(b)]
20. 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.
21. 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)]
22. Any emission limit values in a preconstruction 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”).
23. This listing of requirements reflects the state rules and regulations that apply to a majority of sources. If a specific requirement in a rule or regulation that applies to a permittee is not included in this section or in the “Facility Specific Requirements” it does not relieve the permittee from the obligation to comply with that regulation.
24. The following Department offices may be referenced in a preconstruction permit. Please use the following addresses when submitting any correspondence to these offices:

Emission Measurement Section
Mail Code: 09-01, P.O. Box 420
Trenton, NJ 08625-0420

Central Regional Enforcement Office
Mail Code: 22-03A; P.O. Box 420
Trenton, NJ 08625-0420

Northern Regional Enforcement Office
7 Ridgedale Avenue
Cedar Knolls, NJ 07927

Southern Regional Enforcement Office
2 Riverside Drive – Suite 201
Camden, NJ 08103

25. In accordance with N.J.A.C. 7:27-8.13(e), facilities are subject to 4 billable compliance inspections over the life of the Operating Certificate. Facilities will be invoiced for a service fee per inspection pursuant to N.J.A.C. 7:27-8.6 after the periodic compliance inspection is conducted.
26. The permittee shall pay fees to the Department pursuant to N.J.A.C.7:27-8.

AIR POLLUTION CONTROL PRECONSTRUCTION PERMIT

Section D

Facility Name: OCEAN CNTY NORTHERN REG RECYCLING CTR

Facility ID No.: 78285

Permit Activity No.: PCP210001

PERMIT INFORMATION

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FACILITY SPECIFIC REQUIREMENTS

REASON FOR APPLICATION

FACILITY PROFILE (GENERAL)

EQUIPMENT INVENTORY

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AIR POLLUTION CONTROL PRECONSTRUCTION PERMIT

Section D

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**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Subject Item: FC

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	The Permittee shall not cause, suffer, or allow to emit 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]	None.	None.	None.
2	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 an 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)]	None.	None.	None.

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**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
3	Process monitors must be operated at all times when the associated process equipment is operating except during outage time allowed by Department guidelines/procedures or as outlined in Technical Manual 1005. [N.J.A.C. 7:27-8.13(a)]	None.	Other: Keep records of parameters monitored by the process monitor(s) as instructed by the Department's guidelines/procedures or as outlined in Technical Manual 1005. [N.J.A.C. 7:27-8.13(d)].	None.
4	The permittee shall meet all requirements of the approved source emissions testing and monitoring protocol during the term of the preconstruction permit. Whenever the permittee makes a replacement, modification, change or repair of a certified CEMS or COMS that may significantly affect the ability of the system to accurately measure or record data, the permittee must recertify the CEMS or COMS in accordance with Section V.B. and Appendix E of Technical Manual 1005. The permittee is responsible for contacting the Emission Measurement Section to determine the need for recertification and/or to initiate the recertification process. The permittee is responsible for any downtime associated with the replacement, modification, change or repair of the CEMS or COMS. [N.J.A.C. 7:27- 8.13(a)]	None.	None.	None.
5	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. A person who fails to so notify the department is liable to the penalties and procedures prescribed in this section. [N.J.S.A. 26: 2C-19(e)]	None.	None.	Notify by phone: Upon occurrence of event. 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)]

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**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
6	<p>The permittee is required to submit annual emission statements of their actual emissions if the Potential-to-emit for the entire facility equals to or exceeds any of the following thresholds (including all emissions from the facility, both permitted and unpermitted). Additional information about Emission Statement reports can be obtained by calling (609) 984-5483.</p> <p>Air Contaminant Threshold in Tons per Year:</p> <p>VOC: 10 tons per year NOx: 25 tons per year CO: 100 tons per year SO2: 100 tons per year TSP: 100 tons per year PM2.5: 100 tons per year PM10: 100 tons per year Ammonia (NH3): 100 tons per year Lead(Pb): 5 tons per year</p> <p>[N.J.A.C. 7:27-21]</p>	None.	None.	None.

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**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
7	<p>The permittee is required to submit a Title V Operating Permit application, within one year, if the potential-to-emit for the entire facility equal to or exceeds any of the following thresholds (including all emissions from the facility, both permitted and unpermitted). Additional information about Operating Permits can be obtained by calling the Operating Permit Hotline at (609) 633 - 8248.</p> <p>Air Contaminant Threshold in Tons per Year:</p> <p>CO: 100 tons per year PM10: 100 tons per year PM2.5: 100 tons per year TSP: 100 tons per year SO2: 100 tons per year SO2 (as a PM2.5 precursor): 100 tons per year NOx: 25 tons per year NOx (as a PM2.5 precursor): 100 tons per year VOC: 25 tons per year Lead: 10 tons per year Any HAP: 10 tons per year All HAPs collectively: 25 tons per year Any other air contaminant, except CO2: 100 tons per year [N.J.A.C. 7:27-22]</p>	None.	None.	None.
8	<p>Potential to Emit (PTE) of all other air contaminants, not listed in this permit, shall be below their respective reporting thresholds for contaminants listed as N.J.A.C. 7:27-8, Appendix I, Table A, and N.J.A.C. 7:27-17.9(a), as applicable. [N.J.A.C. 7:27- 8.13(h)]</p>	None.	None.	None.
9	<p>The Department and its authorized representatives shall have the right to enter and inspect any facility subject to N.J.A.C. 7:27-8, or portion thereof. [N.J.A.C. 7:27- 1.31]</p>	None.	None.	None.

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**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
10	Continuous recording for process monitors must be at a sufficient frequency and resolution to be able to document compliance or non-compliance in accordance with Technical Manual 1005 for CEMS (TM1005(B)(3)). [N.J.A.C. 7:27-8.13(a)]	None.	None.	None.
11	Consistent with EPA's National Stack Testing Guidance and Technical Manual 1004, a facility may not stop an ongoing stack test because it would have failed the test unless the facility also ceases operation of the equipment in question to correct the issue. Stopping an ongoing stack test in these instances will be considered credible evidence of emissions non-compliance. [N.J.A.C. 7:27- 8.13(a)]	None.	None.	None.
12	All information provided in the application as well as the information related to the application included as Attachments to the application shall be considered as a part of the permit and is subject to enforcement. [N.J.A.C. 7:27- 8.13(a)]	None.	None.	None.
13	Any information contained in an approved application and any condition of approval thereof, are subject to enforcement. This includes the following application information, which shall constitute maximum allowable limits, unless the Department establishes other limits in the conditions of approval: 1. Rates of emission of each air contaminant and each category of air contaminant listed; 2. Total hours of operation per time period; and 3. Any rate of production. [N.J.A.C. 7:27-8.13(h)]	None.	None.	None.

PCP210001

**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Emission Unit: U801 Windrow Composting Turner

Operating Scenario: OS Summary

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Opacity: no visible emissions, exclusive of visible condensed water vapor [N.J.A.C. 7:27- 8.13(a)]	Opacity: Monitored by visual determination each month during operation. Conduct visual inspections during daylight hours to determine if the stack has visible emissions, other than condensed water vapor. [N.J.A.C. 7:27- 8.13(d)]	Opacity: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. The permittee shall maintain the following records: 1) Date and time of each observation; 2) Emission point (PT) number; 3) Observed results and conclusions; 4) Description of corrective action taken, if needed; 5) Date and time opacity problem was solved, if applicable; 6) Results of opacity reading in accordance with N.J.A.C. 7:27B-2, if conducted; and 7) Name of person(s) conducting visual observations. [N.J.A.C. 7:27- 8.13(d)]	Comply with the requirement: Upon occurrence of event.If visible emissions are observed: (1) Verify the equipment and/or control device causing visible emissions is operating according to manufacturer's specifications. If it is not operating properly, take corrective action immediately to eliminate the excess emissions. (2) If the visible emissions problem is not corrected within 24 hours, a certified opacity reader shall perform an opacity observation, in accordance with N.J.A.C. 7:27B-2 each day until the opacity problem is successfully corrected. [N.J.A.C. 7:27- 8.13(d)]
2	TSP <= 2.4 tons/yr and over any consecutive 12 month period. [N.J.A.C. 7:27- 8.13(a)]	None.	None.	None.
3	PM-10 (Total) <= 2.4 tons/yr and over any consecutive 12 month period. [N.J.A.C. 7:27- 8.13(a)]	None.	None.	None.

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**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
4	<p>The portable equipment shall not remain at a single site for longer than ninety (90) total calendar days per calendar year, starting from the date of initial use. This "90 day clock" begins once the Portable Equipment commences operation at the site, and not when the Portable Equipment arrives at the site. The "90 day clock" ends once the Portable Equipment is moved off-site, or 90 consecutive days after initial startup, whichever comes first.</p> <p>This limit does not apply to the Northern Recycling, 601 New Hampshire Ave. Lakewood, NJ permitted location. [N.J.A.C. 7:27- 8.13(a)]</p>	None.	<p>Recordkeeping by manual logging of parameter or storing data in a computer data system at the approved frequency. For each site, Permittee shall record the following:</p> <ul style="list-style-type: none"> i) Site address; ii) Date of arrival at the site; iii) Date of actual equipment start-up at the site; iv) Date of departure from the site; v) The total number of days the equipment remained on-site during each event; and vi) The total number of days (year-to-date) the portable equipment has remained at the same site. [N.J.A.C. 7:27- 8.13(d)3] 	None.
5	The portable equipment shall be operated and maintained according to manufacturer specifications. [N.J.A.C. 7:27- 8]	None.	None.	None.
6	<p>RETENTION OF RECORDS:</p> <p>Records required by this permit shall be maintained at the permittee's office at 601 New Hampshire Ave., Lakewood, NJ in a manner approved by the REO and made available to the Department for a period of five years after the date of each record. [N.J.A.C. 7:27- 8.13(h)]</p>	None.	Other: All records must be maintained for at least five (5) years, and be readily available to the Department upon request.[N.J.A.C. 7:27- 8.13(d)3].	None.
7	The equipment covered by this mobile source permit shall not be operated at a major source unless this activity is allowed under the facility's effective Title V Permit or at a minor facility located in Environmental Justice area unless included in its solid waste permit. [N.J.A.C. 7:27- 8.13(a)]	None.	None.	None.

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**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Emission Unit: U801 Windrow Composting Turner**Operating Scenario:** OS801 Windrow Composting Turner (Option to use at 15 OC-NRRC / Recycling Centers).

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	TSP <= 2.4 lb/hr. [N.J.A.C. 7:27- 8.13(a)]	None.	None.	None.
2	PM-10 (Total) <= 2.4 lb/hr. [N.J.A.C. 7:27- 8.13(a)]	None.	None.	None.
3	Hours of Operation <= 2,000 hours during any consecutive 12 month period. [N.J.A.C. 7:27- 8.13(a)]	Hours of Operation: Monitored by hour/time monitor continuously. The equipment shall be equipped with a nonresettable hour meter. [N.J.A.C. 7:27- 8.13(d)2]	Hours of Operation: Recordkeeping by manual logging of parameter each month during operation. Hours of operation during any consecutive 12 month period shall be calculated by the sum of the hours of operation during any one month added to the sum of the hours of operation during the preceding 11 months. [N.J.A.C. 7:27- 8.13(d)3]	None.

New Jersey Department of Environmental Protection
Reason for Application

Permit Being Modified

Permit Class: **Number:** 0

Description of Modifications: Ocean County Northern Regional Recycling Center (OCNRRC) in Lakewood, NJ is regulated by NJDEP for various equipment/processes under Facility ID# 78285. The facility proposes to operate a new Windrow Turner compost turning machine. The Scarab Model 14, LL-450HP Windrow Turner uses diesel fuel and has an EPA Tier-4 certified Cummins engine (USEPA Certificate of Conformity attached). Cummins engine model number is QC-X15-450HP with the engine family# KCEXL15.0AAL. The engine has Diesel Oxidation Catalyst (DOC), Diesel Particular Filter (DPF), Select Catalytic Reduction (SCR) and Diesel Exhaust Fluid (DEF) system. See attached engine specifications and aftertreatment info on Cummins Engine QSX15.

The Windrow Turner is a mobile (self-propel) unit and may be used at the other OC-NRRC locations. The equipment will be garaged at OC-NRRC in Lakewood, NJ. As per other compositing equipment OC-NRRC PCP permits, this Windrow Turner application is prepared for use at: (1) Northern Recycling, 601 New Hampshire Avenue, Lakewood; (2) Southern Recycling, 379 Haywood Road, Manahawkin; (3) Plumsted, 32 Magnolia Road, New Egypt; (4) Beachwood, 1700 Pinewald Road, Beachwood; (5) Berkeley, 630 Pinewald-Keswick Road, Bayville; (6) Brick, 836 Ridge Road, Brick; (7) Lacey, 836 Ridge Road, Fork River; (8) Lakehurst, 800 Myrtle Street, Lakehurst; (9) Manchester, Sam Pitts Road, Whiting; (10) Little Egg Harbor, 1363 C.R. 539; (11) Ocean County Landfill, 2498 NJ 70, Manchester; (12) Ocean County Manchester Road Garage; (13) 334 Jackson Mills Road, Jackson; (14) Bea Lea Golf Course, Toms River; (15) Whitesville Road, Toms River. Total operating hours of 2,000 hours/year or less are based equipment use at all locations listed above. Locations 1 and 2 listed above will have most use of Windrow Turner (WT), and the remaining 13 locations have option to use Windrow Turner. The distance of 400 feet from the property line will vary based upon the site where the mobile unit is used. The total yearly use of Windrow Turner at all sites will be 2,000 hours/year or less.

EMISSION ESTIMATES: The Windrow Turner Cummins engine (QSX15) is Tier-4 certified (Certificate of Conformity attached). However, as per discussion and guidelines from NJDEP, the engine is considered mobile/self-propel engine, so emission estimates from the engine are not included in the permit.

For the Windrow-Turner composting turning process, no Source Classification Code (SSC) or other published emission factors are available from EPA/NJDEP. As suggested by NJDEP in the past, the PM10 emission factor from AP-42 Manual for the conveyor process for the stone crushing operation (Section 11.19.2) of 0.0012 lbs/ton is used here. The fresh trees and shrubs (composting materials) typically have 40%-60% or more moisture and does not generate dust particulates, so no water spray is used for dust control. Summary emission calculation table includes emission (PM) estimates for the windrow-turner compost turning process only. Emissions are listed as Surface emissions (not a point source), as the unit is mobile throughout the composting site.

Any emission testing for Windrow composting turner machine will be very difficult as it is an mobile operating unit, has surface (not point source) releases, the composting turning process is variable and rarely operate at the maximum design rate. Since the emissions are limited to PM, the NJDEP Level-1 Risk Assessment Form has not been included. Should

New Jersey Department of Environmental Protection
Reason for Application

NJDEP has any question or disagreement related to emission estimations, please advise.

Draft

New Jersey Department of Environmental Protection
Facility Profile (General)

Facility Name (AIMS): Ocean County Northern Regional Recycling C

Facility ID (AIMS): 78285

Street 601 NEW HAMPSHIRE AVE
Address: LAKEWOOD, NJ 08701

Mailing OCEAN COUNTY SOLID WASTE
Address: MANAGEMENT
P O BOX 2191
129 HOOPER AVE
TOMS RIVER, NJ 08754-2191

County: Ocean

Location 601 New Hampshire Avenue, Lakewood, New
Description: Jersey

State Plane Coordinates:

X-Coordinate: 578,318

Y-Coordinate: 448,010

Units: Feet

Datum: NAD83

Source Org.: DEP-GIS

Source Type: Digital Image

Industry:

Primary SIC:

Secondary SIC:

NAICS: 562219

New Jersey Department of Environmental Protection
Facility Profile (General)

Contact Type: Air Permit Information Contact

Organization: Mott MacDonald, LLC

Org. Type: LLC

Name: Richard Lulla

NJ EIN:

Title: Senior Project Manager

Phone: (973) 912-2570 x

Mailing Address: 111 Wood Avenue South
Iselin, NJ 08830

Fax: () - x

Other: () - x

Type:

Email: Richard.Lulla@MottMac.com

Contact Type: Fees/Billing Contact

Organization: Ocean County- Dept. of Solid Waste Management

Org. Type: Utility

Name: Robert Kuhne

NJ EIN:

Title: Division Manager - Ocean County DSWM

Phone: (732) 367-0802 x

Mailing Address: 601 New Hampshire Avenue
Lakewood, NJ 08701

Fax: () - x

Other: () - x

Type:

Email: RKuhne@co.ocean.nj.us

Contact Type: On-Site Manager

Organization: Ocean County- Dept. of Solid Waste Management

Org. Type: Utility

Name: Robert Kuhne

NJ EIN:

Title: Division Manager - Ocean County DSWM

Phone: (732) 367-0802 x

Mailing Address: 601 New Hampshire Avenue
Lakewood, NJ 08701

Fax: () - x

Other: () - x

Type:

Email: RKuhne@co.ocean.nj.us

**New Jersey Department of Environmental Protection
Facility Profile (General)**

Contact Type: Responsible Official

Organization: Ocean County- Dept. of Solid Waste Management

Org. Type: Utility

Name: Anthony Agliata

NJ EIN:

Title: Director - Ocean County DSWM

Phone: (732) 929-2054 x

Mailing Address: 129 Hooper Avenue

Fax: () - x

P. O. Box 2191

Other: () - x

Toms River, NJ 08754-2191

Type:

Email: TAgliata@co.ocean.nj.us

**New Jersey Department of Environmental Protection
Equipment Inventory**

Equip. NJID	Facility's Designation	Equipment Description	Equipment Type	Certificate Number	Install Date	Grand- Fathered	Last Mod. (Since 1968)	Equip. Set ID
E801	Windrow Turn	Windrow Turner (composting)	Manufacturing and Materials Handling Equipment	PCP210001	10/1/2019	No	10/1/2019	

78285 OCEAN CNTY NORTHERN REG RECYCLING CTR PCP210001 E801 (Manufacturing and Materials Handling Equipment)

Make:	SCARAB Windrow Composting Turner
Manufacturer:	SCARAB
Model:	Model 14-LL - 450 HP
Type of Manufacturing and Materials Handling Equipment:	Self-Propel Composting Turning Machine
Capacity:	2.00E+03
Units:	other units
Description (if other):	Tons/hour (Compost material)
Have you attached a diagram showing the location and/or the configuration of this equipment?	Yes
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	Yes
Comments:	The self-propel WT compost machine has Cummins QS-X15, 450 HP, Tier-4, Diesel engine (Mobile Source). WT may be used at 15 OC-NRRC recycling centers, as required.

OCEAN CNTY NORTHERN REG RECYCLING CTR (78285)
PCP210001

Date: 11/29/2022

New Jersey Department of Environmental Protection
Emission Points Inventory

PT NJID	Facility's Designation	Description	Config.	Equiv. Diam. (in.)	Height (ft.)	Dist. to Prop. Line (ft)	Exhaust Temp. (deg. F)			Exhaust Vol. (acfm)			Discharge Direction	PT Set ID
							Avg.	Min.	Max.	Avg.	Min.	Max.		
PT801	Windrow Turn	Windrow Composting Turner	Surface		9	400	70.0		100.0				Up	

OCEAN CNTY NORTHERN REG RECYCLING CTR (78285)
PCP210001

Date: 11/29/2022

New Jersey Department of Environmental Protection
Emission Unit/Batch Process Inventory

U 801 Windrow Turn Windrow Composting Turner

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours		VOC Range	Flow (acfm)		Temp. (deg F)	
								Min.	Max.		Min.	Max.	Min.	Max.
OS801	Windrow Turn	Windrow Composting Turner (Option to use at 15 OC-NRRC / Recycling Centers).	Normal - Steady State	E801		PT801			2,000.0				40.0	100.0