

## Administrative Hearing Request Checklist and Tracking Form

### I. Document Being Appealed

Name of the Facility	Facility ID Number	Permit Activity Number	Issuance Date
WELDON QUARRY CO LLC	83008	PCP220003	

### II. Contact Information

<b>Name of Person Requesting Hearing</b>	<b>Name of Attorney (if applicable)</b>
<b>Address:</b>	<b>Address:</b>
<b>Telephone:</b>	<b>Telephone:</b>

### 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

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**Signature**

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**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

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**Signature**

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**Date**

**AIR POLLUTION CONTROL PRECONSTRUCTION PERMIT**

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**Facility ID No.: 83008**

**Permit Activity No.: PCP220003**

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# **AIR POLLUTION CONTROL PRECONSTRUCTION PERMIT**

## **Section A**

**Facility Name: WELDON QUARRY CO LLC**

**Facility ID No.: 83008**

**Permit Activity No.: PCP220003**

## **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:** Batch hot mix asphalt plant

**Source Operation Description:** Rotary dryer and associated bins, conveyors and silos. Emissions controlled by cyclone and baghouse.

**Source Operation Details:** The sources authorized by this permit shall be operated within the parameters specified in the Equipment, Control Device, 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: WELDON QUARRY CO LLC**

**Facility ID No.: 83008**

**Permit Activity No.: PCP220003**

### **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 <sub>2</sub>	Sulfur Dioxide
TSP	Total Suspended Particulate Matter
VOC	Volatile Organic Compounds

## **AIR POLLUTION CONTROL PRECONSTRUCTION PERMIT**

### **Section C**

**Facility Name: WELDON QUARRY CO LLC**

**Facility ID No.: 83008**

**Permit Activity No.: PCP220003**

### **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: WELDON QUARRY CO LLC**

**Facility ID No.: 83008**

**Permit Activity No.: PCP220003**

**PERMIT INFORMATION**

FACILITY SPECIFIC REQUIREMENTS INDEX

FACILITY SPECIFIC REQUIREMENTS

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FACILITY PROFILE (GENERAL)

EQUIPMENT INVENTORY

CONTROL DEVICE INVENTORY

EMISSION POINT INVENTORY

EMISSION UNIT/BATCH PROCESS INVENTORY

**AIR POLLUTION CONTROL PRECONSTRUCTION PERMIT**

**Section D**

**Facility Name: WELDON QUARRY CO LLC**

**Facility ID No.: 83008**

**Permit Activity No.: PCP220003**

**FACILITY SPECIFIC REQUIREMENTS INDEX**

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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.

**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)]

**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: 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.



**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.

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

**Emission Unit:** U2000 Asphalt Batch Plant

**Subject Item:** CD2001 Baghouse for Asphalt Batch Plant

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Pressure Drop Across the Baghouse $\geq 1$ and Pressure Drop Across the Baghouse $\leq 8$ inches w.c.. [N.J.A.C. 7:27- 8.13(a)]	Pressure Drop Across the Baghouse: Monitored by pressure drop instrument continuously, based on an instantaneous determination. [N.J.A.C. 7:27- 8.13(d)2]	Pressure Drop Across the Baghouse: Recordkeeping by manual logging of parameter or storing data in a computer data system daily. [N.J.A.C. 7:27- 8]	None.
2	The permittee shall conduct bag replacement on a schedule necessary to achieve the required particulate outlet concentration and removal efficiency as specified by the manufacturer. [N.J.A.C. 7:27-8.13(a)].	Monitored by visual determination each month during operation. The applicant shall inspect the filter media for physical condition and structural integrity. [N.J.A.C. 7:27- 8]	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. The permittee shall record each instance of baghouse maintenance and bag replacement. [N.J.A.C. 7:27- 8.13(d)3]	None.

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

**Emission Unit:** U2000 Asphalt Batch Plant**Subject Item:** CD2002 Cyclone for Asphalt Batch Plant

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	The cyclone shall be operated and maintained in accordance with the manufacturer's recommendations to ensure the efficiency is maintained. [N.J.A.C. 7:27-8.13(a)]	None.	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. Each instance of cyclone maintenance or repair shall be recorded. [N.J.A.C. 7:27- 8.13(d)]	None.

## New Jersey Department of Environmental Protection Facility Specific Requirements

Emission Unit: U2000 Asphalt Batch Plant

Operating Scenario: OS Summary

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	<p>PERIODIC 5 YEAR STACK TESTING SUMMARY</p> <p>The permittee shall conduct a periodic stack test using a protocol approved by the Department to demonstrate compliance with emission limits for NO<sub>x</sub>, CO and VOC, for Equipment E2001, E2005, E2006, E2031 and E2032, for operating scenarios OS2001, OS2005, OS2006, OS2031 and OS2032 at maximum production rate.</p> <p>Testing must be conducted at worst-case permitted operating conditions with regard to meeting the applicable emission standards, but without creating an unsafe condition. [N.J.A.C. 7:27- 8.4(f)]</p>	Other: Monitoring as required under the applicable operating scenario(s).[N.J.A.C. 7:27- 8.13(d)].	Other: Recordkeeping as required under the applicable operating scenario(s).[N.J.A.C. 7:27- 8.13(d)].	<p>Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. Submit a stack test protocol to the Emission Measurement Section (EMS) at Mail Code: 09-01, PO Box 420, Trenton, NJ 08625 no later than 180 days prior to the testing due date or request from EMS, in writing, to use a previously approved protocol no later than 90 days prior to the testing due date. The protocol and test report must be prepared and submitted on a CD using the Electronic Reporting Tool (ERT) that is downloaded at: <a href="http://www.epa.gov/ttnchie1/ert">http://www.epa.gov/ttnchie1/ert</a> , unless another format is approved by EMS. Within 30 days of protocol approval or no less than 60 days prior to the testing deadline, whichever is later, the permittee must contact EMS at 609-984-3443 to schedule a mutually acceptable test date. A full stack test report must be submitted to EMS and a certified summary test report must be submitted to the Regional Enforcement Office within 30 days after performing the stack test. The test results must be certified by a licensed professional engineer or certified industrial hygienist. [N.J.A.C. 7:27- 8.4(f)]</p>
2	TSP <= 16.6 tons/yr Based on annual fuel and production limits. [N.J.A.C. 7:27- 8.13(h)]	None.	None.	None.
3	PM-10 (Total) <= 16.6 tons/yr Based on annual fuel and production limits. [N.J.A.C. 7:27- 8.13(h)]	None.	None.	None.
4	PM-2.5 (Total) <= 16.6 tons/yr Based on annual fuel and production limits. [N.J.A.C. 7:27- 8.13(h)]	None.	None.	None.

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
5	VOC (Total) <= 11.5 tons/yr Based on annual fuel and production limits. [N.J.A.C. 7:27- 8.13(h)]	None.	None.	None.
6	NOx (Total) <= 6.4 tons/yr Based on annual fuel and production limits. [N.J.A.C. 7:27- 8.13(h)]	None.	None.	None.
7	CO <= 26.1 tons/yr Based on annual fuel and production limits. [N.J.A.C. 7:27- 8.13(h)]	None.	None.	None.
8	Total Production Rate <= 400,000 tons/yr and during any consecutive 12 month period. [N.J.A.C. 7:27- 8.13(h)]	None.	Total Production Rate: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. The permittee shall maintain records of total production rate during each calendar month and each consecutive 12 month period. [N.J.A.C. 7:27- 8.13(h)]	None.
9	Propane usage <= 1,180,328 gal/yr [N.J.A.C. 7:27- 8.13(h)]	Monitored by fuel usage totalizing meter continuously. [N.J.A.C. 7:27- 8.13(d)]	Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. The permittee shall maintain records of total propane used during each calendar month and each consecutive 12 month period. [N.J.A.C. 7:27- 8.13(d)]	None.

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
10	No visible emissions, exclusive of condensed water vapor. [N.J.A.C. 7:27-8.13(a)]	Monitored by visual determination each week during operation, based on an instantaneous determination. For compliance with the opacity standard, the Permittee shall conduct visual opacity inspections during daylight hours while the source is operating. Visual inspections shall consist of a visual survey to identify if the stack has visible emissions, (other than condensed water vapor. If visible emissions are observed, the Permittee shall verify that the equipment and/or control device causing the emission is operating according to manufactures specifications and the air permit compliance plan. If the equipment or control device is not operating properly, the Permittee shall take corrective action immediately to eliminate the excess emissions. The Permittee must report any permit violations to NJDEP pursuant to N.J.A.C. 7:27-8.13(d). [N.J.A.C. 7:27- 8.13(d)]	Recordkeeping by manual logging of parameter or storing data in a computer data system each week during operation and retain the following records: (1) Date and time of inspection; (2) Emission Point number; (3) Operational status of equipment; (4) Observed results and conclusions; (5) Description of corrective action taken if needed; (6) Date and time opacity problem was solved, if applicable; and (7) Name of person(s) conducting inspection. [N.J.A.C. 7:27- 8.13(d)]	Notify by phone: As per the approved schedule. Upon occurrence of visible emissions, the Permittee shall notify the Department immediately of the event. Such notification shall be made by calling the Environmental Action Hotline at (877) 927-6337. If the corrective action to eliminate the visible emissions is not successful within 24 hours, the Permittee shall notify the Department immediately of the event. Such notification shall be made by calling the Environmental Action Hotline at (877) 927-6337. [N.J.A.C. 7:27- 8.13(a)]
11	HAPs (Total) <= 1.52 tons/yr Based on annual fuel and production limits. [N.J.A.C. 7:27- 8.13(h)]	None.	None.	None.
12	SO2 <= 13.3 tons/yr Based on annual fuel and production limits. [N.J.A.C. 7:27- 8.13(h)]	None.	None.	None.
13	Benzene <= 0.056 tons/yr. [N.J.A.C. 7:27- 8.13(h)]	None.	None.	None.
14	Polynuclear aromatic hydrocarbons (PAHs) <= 0.043 tons/yr Based on annual fuel and production limits. [N.J.A.C. 7:27- 8.13(h)]	None.	None.	None.
15	This asphalt plant is subject to the Federal New Source Performance Standards (NSPS) for Hot Mix Asphalt Facilities, 40CFR 60 Subpart I. Compliance with Subpart A and Subpart I is a requirement of this permit. [40 CFR 60]	None.	None.	None.

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

**Emission Unit:** U2000 Asphalt Batch Plant

**Operating Scenario:** OS2001 Rotary Dryer

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	TSP <= 8.2 lb/hr. [N.J.A.C. 7:27- 8.13(h)]	None.	None.	None.
2	TSP <= 0.02 gr/scf. [N.J.A.C. 7:27- 6.2]	None.	None.	None.
3	PM-10 (Total) <= 8.2 lb/hr. [N.J.A.C. 7:27- 8.13(h)]	None.	None.	None.
4	PM-2.5 (Total) <= 8.2 lb/hr. [N.J.A.C. 7:27- 8.13(h)]	None.	None.	None.
5	Particulate Matter <= 0.04 gr/dscf [40 CFR 60.92(a)(1)]	None.	None.	None.
6	VOC (Total) <= 17.2 lb/hr. [N.J.A.C. 7:27- 8.13(h)]	VOC (Total): Monitored by stack emission testing every 5 years (based on completion date of the last stack test), based on the average of three Department validated stack test runs. [N.J.A.C. 7:27- 8.13(d)]	VOC (Total): Recordkeeping by stack test results every 5 years (based on completion date of the last stack test). [N.J.A.C. 7:27- 8.13(d)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. Refer to stack testing requirements specified in this permit. [N.J.A.C. 7:27- 8.13]
7	CO <= 60.3 lb/hr. [N.J.A.C. 7:27- 8.13(h)]	CO: Monitored by stack emission testing every 5 years (based on completion date of the last stack test), based on the average of three Department validated stack test runs. [N.J.A.C. 7:27- 8.13(d)]	CO: Recordkeeping by stack test results every 5 years (based on completion date of the last stack test). [N.J.A.C. 7:27- 8.13(d)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. Refer to stack testing requirements specified in this permit. [N.J.A.C. 7:27- 8.13]
8	NOx (Total) <= 14.8 lb/hr. [N.J.A.C. 7:27- 8.13(h)]	NOx (Total): Monitored by stack emission testing every 5 years (based on completion date of the last stack test), based on the average of three Department validated stack test runs. [N.J.A.C. 7:27- 8.13(d)]	NOx (Total): Recordkeeping by stack test results every 5 years (based on completion date of the last stack test). [N.J.A.C. 7:27- 8.13(d)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. Refer to stack testing requirements specified in this permit. [N.J.A.C. 7:27- 8.13]
9	CO <= 500 ppmvd @ 7% O <sub>2</sub> . [N.J.A.C. 7:27- 8.12(e)5i]	CO: Monitored by stack emission testing every 5 years (based on completion date of the last stack test), based on the average of three Department validated stack test runs. [N.J.A.C. 7:27- 8.13(d)]	CO: Recordkeeping by stack test results every 5 years (based on completion date of the last stack test). [N.J.A.C. 7:27- 8.13(d)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. Refer to stack testing requirements specified in this permit. [N.J.A.C. 7:27- 8.13]
10	NOx (Total) <= 75 ppmvd @ 7% O <sub>2</sub> . [N.J.A.C. 7:27- 8.12(e)5i]	NOx (Total): Monitored by stack emission testing every 5 years (based on completion date of the last stack test), based on the average of three Department validated stack test runs. [N.J.A.C. 7:27- 8.13(d)]	NOx (Total): Recordkeeping by stack test results every 5 years (based on completion date of the last stack test). [N.J.A.C. 7:27- 8.13(d)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. Refer to stack testing requirements specified in this permit. [N.J.A.C. 7:27- 8.13(d)]
11	SO <sub>2</sub> <= 13.2 lb/hr. [N.J.A.C. 7:27- 8.13(a)]	None.	None.	None.

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
12	VOC (Total) <= 250 ppmvd corrected to 7% O2 concentration in the flue gas (as methane). [N.J.A.C. 7:27- 8.13(h)]	VOC (Total): Monitored by stack emission testing every 5 years (based on completion date of the last stack test), based on the average of three Department validated stack test runs. [N.J.A.C. 7:27- 8.13(d)]	VOC (Total): Recordkeeping by stack test results every 5 years (based on completion date of the last stack test). [N.J.A.C. 7:27- 8.13(d)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. Refer to stack testing requirements specified in this permit. [N.J.A.C. 7:27- 8.13]
13	Benzene <= 0.0882 lb/hr. [N.J.A.C. 7:27- 8.13(h)]	None.	None.	None.
14	Polynuclear aromatic hydrocarbons (PAHs) <= 0.068 lb/hr. [N.J.A.C. 7:27- 8.13(h)]	None.	None.	None.
15	Total Production Rate <= 315 tons/hr. [N.J.A.C. 7:27- 8.13(h)]	None.	Total Production Rate: Recordkeeping by manual logging of parameter or storing data in a computer data system each hour during operation. [N.J.A.C. 7:27- 8.13(h)]	None.



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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
16	<p>The permittee shall annually adjust combustion process the same quarter of each calendar year, as specified at N.J.A.C. 7:27-19.16.</p> <p>The permittee shall:</p> <ol style="list-style-type: none"> <li>1. Inspect the burner, and clean or replace any components of the burner as necessary;</li> <li>2. Inspect the flame pattern and make any adjustments to the burner necessary to optimize the flame pattern consistent with the manufacturer's specifications;</li> <li>3. Inspect the system controlling the air-to-fuel ratio, and ensure that it is correctly calibrated and functioning properly</li> <li>4. Minimize total emissions of NOx and CO consistent with the manufacturer's specifications;</li> </ol> <p>[N.J.A.C. 7:27-19.9(b)]</p>	<p>Monitored by periodic emission monitoring annually The permittee shall:</p> <ol style="list-style-type: none"> <li>1. Measure the concentrations in the effluent stream of NOx, CO and O2 in ppmvd, before and after the adjustment is made; and</li> <li>2. Convert the emission values of the NOx, CO and O2 concentrations to pounds per million BTU (lb/MM BTU) according to the following formula:  <math display="block">\text{lb/MM BTU} = \text{ppmvd} \times \text{MW} \times \text{F dry factor} \times \text{O2 correction factor} / 387,000,000</math> <p>Where:  ppmvd is the concentration in parts per million by volume, dry basis, of NOx or CO  MW is the Molecular Weight for: NOx = 46 lb/lb-mole; CO = 28 lb/lb-mole  F dry factor for: Natural gas = 8,710 dscf/MM BTU and Residual or fuel oil = 9,190 dscf/MM BTU  O2 correction factor: <math>(20.9\%) / (20.9\% - \text{O2 measured})</math>  O2 measured is percent oxygen on a dry basis. [N.J.A.C. 7:27- 8.13(d)]</p> </li> </ol>	<p>Recordkeeping by manual logging of parameter or storing data in a computer data system annually Records shall contain the following information for each adjustment:</p> <ol style="list-style-type: none"> <li>1. The date of the adjustment and the times at which it began and ended;</li> <li>2. The name, title and affiliation of the person who made the adjustment;</li> <li>3. The NOx and CO concentrations in the effluent stream, in ppmvd, before and after each actual adjustment was made;</li> <li>4. The concentration of O2 (in percent dry basis) at which the CO and NOx concentrations were measured;</li> <li>5. A description of any corrective action taken;</li> <li>6. Results from any subsequent tests performed after taking any corrective action, including concentrations and converted emission values in pounds per million BTU (lb/MM BTU);</li> <li>7. The type and amount of fuel used over the 12 months prior to the annual adjustment; and</li> </ol> <p>[N.J.A.C. 7:27-19.16(b)]</p>	None.

PCP220003

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

**Emission Unit:** U2000 Asphalt Batch Plant**Operating Scenario:** OS2002 Hot Elevator

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	TSP <= 0.63 lb/hr. [N.J.A.C. 7:27- 8.13(h)]	None.	None.	None.
2	PM-10 (Total) <= 0.63 lb/hr. [N.J.A.C. 7:27- 8.13(h)]	None.	None.	None.
3	PM-2.5 (Total) <= 0.63 lb/hr. [N.J.A.C. 7:27- 8.13(h)]	None.	None.	None.

PCP220003

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

**Emission Unit:** U2000 Asphalt Batch Plant**Operating Scenario:** OS2003 Screen Deck

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	TSP <= 1.26 lb/hr. [N.J.A.C. 7:27- 8.13(h)]	None.	None.	None.
2	PM-10 (Total) <= 1.26 lb/hr. [N.J.A.C. 7:27- 8.13(h)]	None.	None.	None.
3	PM-2.5 (Total) <= 1.26 lb/hr. [N.J.A.C. 7:27- 8.13(h)]	None.	None.	None.

PCP220003

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

**Emission Unit:** U2000 Asphalt Batch Plant**Operating Scenario:** OS2004 Hot Bins

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	TSP <= 0.63 lb/hr. [N.J.A.C. 7:27- 8.13(h)]	None.	None.	None.
2	PM-10 (Total) <= 0.63 lb/hr. [N.J.A.C. 7:27- 8.13(h)]	None.	None.	None.
3	PM-2.5 (Total) <= 0.63 lb/hr. [N.J.A.C. 7:27- 8.13(h)]	None.	None.	None.

PCP220003

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

**Emission Unit:** U2000 Asphalt Batch Plant**Operating Scenario:** OS2005 Weigh Hoppers

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	TSP <= 0.63 lb/hr. [N.J.A.C. 7:27- 8.13(h)]	None.	None.	None.
2	PM-10 (Total) <= 0.63 lb/hr. [N.J.A.C. 7:27- 8.13(h)]	None.	None.	None.
3	PM-2.5 (Total) <= 0.63 lb/hr. [N.J.A.C. 7:27- 8.13(h)]	None.	None.	None.

PCP220003

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

**Emission Unit:** U2000 Asphalt Batch Plant**Operating Scenario:** OS2006 Pugmill Mixer

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	TSP <= 1.26 lb/hr. [N.J.A.C. 7:27- 8.13(h)]	None.	None.	None.
2	PM-10 (Total) <= 1.26 lb/hr. [N.J.A.C. 7:27- 8.13(h)]	None.	None.	None.
3	PM-2.5 (Total) <= 1.26 lb/hr. [N.J.A.C. 7:27- 8.13(h)]	None.	None.	None.
4	VOC (Total) <= 0.42 lb/hr. [N.J.A.C. 7:27- 8.13(h)]	None.	None.	None.

PCP220003

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

**Emission Unit:** U2000 Asphalt Batch Plant**Operating Scenario:** OS2010 Four (4) Bin Cold Feeds with one (1) Conveyor

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	TSP <= 2.21 lb/hr. [N.J.A.C. 7:27- 8.13(h)]	None.	None.	None.
2	PM-10 (Total) <= 2.21 lb/hr. [N.J.A.C. 7:27- 8.13(h)]	None.	None.	None.
3	PM-2.5 (Total) <= 2.21 lb/hr. [N.J.A.C. 7:27- 8.13(h)]	None.	None.	None.

PCP220003

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

**Emission Unit:** U2000 Asphalt Batch Plant**Operating Scenario:** OS2011 Four (4) Tunnel Feeders with one (1) Conveyor

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	TSP <= 2.21 lb/hr. [N.J.A.C. 7:27- 8.13(h)]	None.	None.	None.
2	PM-10 (Total) <= 2.21 lb/hr. [N.J.A.C. 7:27- 8.13(h)]	None.	None.	None.
3	PM-2.5 (Total) <= 2.21 lb/hr. [N.J.A.C. 7:27- 8.13(h)]	None.	None.	None.



PCP220003

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

**Emission Unit:** U2000 Asphalt Batch Plant**Operating Scenario:** OS2020 RAP Bin & Incline Belt

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	TSP <= 0.28 lb/hr. [N.J.A.C. 7:27- 8.13(h)]	None.	None.	None.
2	PM-10 (Total) <= 0.28 lb/hr. [N.J.A.C. 7:27- 8.13(h)]	None.	None.	None.
3	PM-2.5 (Total) <= 0.28 lb/hr. [N.J.A.C. 7:27- 8.13(h)]	None.	None.	None.

PCP220003

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

**Emission Unit:** U2000 Asphalt Batch Plant**Operating Scenario:** OS2021 RAP Screen with one (1) Conveyor

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	TSP <= 0.54 lb/hr. [N.J.A.C. 7:27- 8.13(h)]	None.	None.	None.
2	PM-10 (Total) <= 0.54 lb/hr. [N.J.A.C. 7:27- 8.13(h)]	None.	None.	None.
3	PM-2.5 (Total) <= 0.54 lb/hr. [N.J.A.C. 7:27- 8.13(h)]	None.	None.	None.

PCP220003

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

**Emission Unit:** U2000 Asphalt Batch Plant**Operating Scenario:** OS2030 Dust Silo

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	TSP <= 0.13 lb/hr. [N.J.A.C. 7:27- 8.13(h)]	None.	None.	None.
2	PM-10 (Total) <= 0.13 lb/hr. [N.J.A.C. 7:27- 8.13(h)]	None.	None.	None.
3	PM-2.5 (Total) <= 0.13 lb/hr. [N.J.A.C. 7:27- 8.13(h)]	None.	None.	None.

PCP220003

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

**Emission Unit:** U2000 Asphalt Batch Plant**Operating Scenario:** OS2031 Dust Silo Elevator with three (3) Augers

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	TSP <= 0.25 lb/hr. [N.J.A.C. 7:27- 8.13(h)]	None.	None.	None.
2	PM-10 (Total) <= 0.25 lb/hr. [N.J.A.C. 7:27- 8.13(h)]	None.	None.	None.
3	PM-2.5 (Total) <= 0.25 lb/hr. [N.J.A.C. 7:27- 8.13(h)]	None.	None.	None.

PCP220003

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

**Emission Unit:** U2000 Asphalt Batch Plant**Operating Scenario:** OS2032 Dust Silo with one (1) Auger

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	TSP <= 0.19 lb/hr. [N.J.A.C. 7:27- 8.13(h)]	None.	None.	None.
2	PM-10 (Total) <= 0.19 lb/hr. [N.J.A.C. 7:27- 8.13(h)]	None.	None.	None.
3	PM-2.5 (Total) <= 0.19 lb/hr. [N.J.A.C. 7:27- 8.13(h)]	None.	None.	None.

New Jersey Department of Environmental Protection  
Facility Specific Requirements

Emission Unit: U2000 Asphalt Batch Plant  
Operating Scenario: OS2401 3671 Cubic Foot Hot Mix Silo, OS2402 3671 Cubic Foot Hot Mix Silo, OS2403 3671 Cubic Foot Hot Mix Silo

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	VOC (Total) <= 0.85 lb/hr. [N.J.A.C. 7:27-8.13(h)]	None.	None.	None.

New Jersey Department of Environmental Protection  
Facility Specific Requirements

Emission Unit: U2000 Asphalt Batch Plant

Operating Scenario: OS2410 Hot Mixture (HM) Slat Conveyor System consisting of two (2) HM traverse slat conveyors, one (1) main HM slat conveyor & one (1) slide out HM slat conveyor

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	VOC (Total) <= 3.39 lb/hr. [N.J.A.C. 7:27-8.13(h)]	None.	None.	None.

**WELDON QUARRY CO LLC (83008)**  
**PCP220003**

Date: 8/1/2023

**New Jersey Department of Environmental Protection**  
**Reason for Application**

**Permit Being Modified**

**Permit Class:**                      **Number:** 0

**Description**                      The asphalt plant at the Weldon Quarry Co. LLC facility in Lake Hopatcong is currently  
**of Modifications:** permitted under three (3) air permits identified as PCP960004, PCP960007, and  
PCP960008. By letter dated January 18, 2022, the NJDEP indicated that these permits will  
not be renewed upon their expiration dates, which range from August through October of  
2022.

As such, this application is being submitted to obtain a new air preconstruction permit for  
the existing asphalt plant.



**WELDON QUARRY CO LLC (83008)**  
**PCP220003**

Date: 8/1/2023

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

**Facility Name (AIMS):** Weldon Quarry Co. LLC

**Facility ID (AIMS):** 83008

**Street** 181 RT 181  
**Address:** LAKE HOPATCONG, NJ 07849

**Mailing** 181 RT 181  
**Address:** LAKE HOPATCONG, NJ 07849

**County:** Sussex  
**Location**  
**Description:**

**State Plane Coordinates:**  
**X-Coordinate:** 461,184  
**Y-Coordinate:** 785,017  
**Units:** New Jersey State Plane 8  
**Datum:** NAD83  
**Source Org.:** Address Match  
**Source Type:** Prop Loc - Dig Image

**Industry:**  
**Primary SIC:**  
**Secondary SIC:**  
**NAICS:** 212313

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

**Contact Type: Air Permit Information Contact**

**Organization:** Weldon Materials Inc.

**Org. Type:** Corporation

**Name:** Jeff Woods

**NJ EIN:** 93514000000

**Title:** Safety & Environmental Director

**Phone:** (908) 233-4444 x

**Mailing Address:** 181 Route 181

**Fax:** (908) 233-4215 x

Lake Hopatcong, NJ 07849

**Other:** ( ) - x

**Type:**

**Email:** jwoods@weldonmat.com

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**Contact Type: Consultant**

**Organization:** LAN Associates

**Org. Type:** Corporation

**Name:** Elizabeth Bouvier

**NJ EIN:**

**Title:** Environmental Engineer

**Phone:** (201) 447-6400 x

**Mailing Address:** 445 Godwin Avenue

**Fax:** ( ) - x

Suite 9

**Other:** ( ) - x

Midland Park, NJ 07432

**Type:**

**Email:** beth.bouvier@lanassociates.com

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**Contact Type: Fees/Billing Contact**

**Organization:** Weldon Materials Inc.

**Org. Type:** Corporation

**Name:** Jeff Woods

**NJ EIN:** 93514000000

**Title:** Safety & Environmental Director

**Phone:** (908) 233-4444 x

**Mailing Address:** 181 Route 181

**Fax:** (908) 233-4215 x

Lake Hopatcong, NJ 07849

**Other:** ( ) - x

**Type:**

**Email:** jwoods@weldonmat.com

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

**Contact Type:** General Contact

**Organization:**

**Name:** Domenic Mileto

**Title:**

**Phone:** ( ) - x

**Fax:** ( ) - x

**Other:** ( ) - x

**Type:**

**Email:** dmileto@weldonmat.com

**Org. Type:**

**NJ EIN:**

**Mailing Address:** 141 Central Avenue  
Westfield, NJ 07090

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**Contact Type:** Responsible Official

**Organization:** Weldon Materials Inc.

**Name:** Jeff Woods

**Title:** Safety & Environmental Director

**Phone:** (908) 233-4444 x

**Fax:** (908) 233-4215 x

**Other:** ( ) - x

**Type:**

**Email:** jwoods@weldonmat.com

**Org. Type:** Corporation

**NJ EIN:** 93514000000

**Mailing Address:** 181 Route 181  
Lake Hopatcong, NJ 07849

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

<b>Equip. NJID</b>	<b>Facility's Designation</b>	<b>Equipment Description</b>	<b>Equipment Type</b>	<b>Certificate Number</b>	<b>Install Date</b>	<b>Grand- Fathered</b>	<b>Last Mod. (Since 1968)</b>	<b>Equip. Set ID</b>
E2001	RotaryDryer	Rotary Dryer	Asphalt Manufacturing Dryer	PCP960004		No		
E2002	HotElevator	Hot Elevator	Manufacturing and Materials Handling Equipment			No		
E2003	ScreenDeck	Screen Deck	Manufacturing and Materials Handling Equipment			No		
E2004	HotBins	Hot Bins	Manufacturing and Materials Handling Equipment			No		
E2005	WeighHoppers	Weigh Hoppers	Manufacturing and Materials Handling Equipment			No		
E2006	Pugmill	Pugmill Mixer	Manufacturing and Materials Handling Equipment			No		
E2010	ColdFeedBins	Four (4) Bin Cold Feeds with one (1) Conveyor	Manufacturing and Materials Handling Equipment			No		
E2011	TunnelFeeder	Four (4) Tunnel Feeders with one (1) Conveyor	Manufacturing and Materials Handling Equipment			No		
E2020	RAPBin	RAP Bin & Incline Belt	Manufacturing and Materials Handling Equipment			No		

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

<b>Equip. NJID</b>	<b>Facility's Designation</b>	<b>Equipment Description</b>	<b>Equipment Type</b>	<b>Certificate Number</b>	<b>Install Date</b>	<b>Grand- Fathered</b>	<b>Last Mod. (Since 1968)</b>	<b>Equip. Set ID</b>
E2021	RAPScreen	RAP Screen with one (1) Conveyor	Manufacturing and Materials Handling Equipment			No		
E2030	DustSilo	Dust Silo	Manufacturing and Materials Handling Equipment			No		
E2031	DustElevator	Dust Silo Elevator with three (3) Augers	Manufacturing and Materials Handling Equipment			No		
E2032	DustSilo	Dust Silo with one (1) Auger	Manufacturing and Materials Handling Equipment			No		
E2401	HMASilo1	3671 Cubic Foot Hot Mix Silo	Manufacturing and Materials Handling Equipment	PCP960008		No		
E2402	HMASilo2	3671 Cubic Foot Hot Mix Silo	Manufacturing and Materials Handling Equipment	PCP960008		No		
E2403	HMASilo3	3671 Cubic Foot Hot Mix Silo	Manufacturing and Materials Handling Equipment	PCP960008		No		
E2410	HMASlatConv	Hot Mix (HM) Slat Conveyor System consisting of two (2) HM traverse slat conveyors, one (1) main HM slat conveyor & one (1) slide out HM slat conveyor	Manufacturing and Materials Handling Equipment			No		

83008 WELDON QUARRY CO LLC PCP220003 E2001 (Asphalt Manufacturing Dryer)  
Print Date: 3/1/2023

Constituents	Maximum %
Sand:	
Crushed Stone:	
Liquid Asphalt:	
Reclaimed Asphalt Pavement (RAP)	25.00
Other:	

83008 WELDON QUARRY CO LLC PCP220003 E2001 (Asphalt Manufacturing Dryer)  
Print Date: 3/1/2023

Make:	<input type="text"/>		
Manufacturer:	<a href="#">McCarter</a>		
Model:	<input type="text"/>		
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	<input type="text" value="125.00"/>		
Maximum Processing Capacity (lbs/hr):	<input type="text"/>		
Process Type:	<input type="text" value="Batch"/>	Description:	<input type="text"/>
Have you attached a diagram showing the location and/or the configuration of this equipment?	<input type="radio"/> Yes <input checked="" type="radio"/> No	Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	<input type="radio"/> Yes <input checked="" type="radio"/> No
Comments:	<a href="#">McCarter dryer with Hauck burner</a>		

Include Emission Rates on the Potential to Emit Screen for each contaminant in ppmvd @ 7%O2 in addition to lbs/hr and tons/yr.

83008 WELDON QUARRY CO LLC PCP220003 E2002 (Manufacturing and Materials Handling Equipment)  
Print Date: 3/1/2023

Make:	
Manufacturer:	McCarter
Model:	
Type of Manufacturing and Materials Handling Equipment:	Elevator
Capacity:	3.15E+02
Units:	other units
Description (if other):	tons/hour
Have you attached a diagram showing the location and/or the configuration of this equipment?	No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No
Comments:	



83008 WELDON QUARRY CO LLC PCP220003 E2003 (Manufacturing and Materials Handling Equipment)  
Print Date: 3/1/2023

Make:	
Manufacturer:	Simplicity
Model:	3616-HS140D-1832
Type of Manufacturing and Materials Handling Equipment:	Screen
Capacity:	3.15E+02
Units:	other units
Description (if other):	tons/hour
Have you attached a diagram showing the location and/or the configuration of this equipment?	No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No
Comments:	

83008 WELDON QUARRY CO LLC PCP220003 E2004 (Manufacturing and Materials Handling Equipment)  
Print Date: 3/1/2023

Make:	
Manufacturer:	McCarter
Model:	
Type of Manufacturing and Materials Handling Equipment:	Bins
Capacity:	3.15E+02
Units:	other units
Description (if other):	tons/hour
Have you attached a diagram showing the location and/or the configuration of this equipment?	No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No
Comments:	

83008 WELDON QUARRY CO LLC PCP220003 E2005 (Manufacturing and Materials Handling Equipment)  
Print Date: 3/1/2023

Make:	
Manufacturer:	McCarter/Meeker
Model:	
Type of Manufacturing and Materials Handling Equipment:	Weigh Hoppers
Capacity:	3.15E+02
Units:	other units
Description (if other):	tons/hour
Have you attached a diagram showing the location and/or the configuration of this equipment?	No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No
Comments:	10,000 pound aggregate weigh hopper (McCarter); 1,000 pound asphalt weigh hopper (McCarter); and 3,000 pound RAP weigh hopper (Meeker)

83008 WELDON QUARRY CO LLC PCP220003 E2006 (Manufacturing and Materials Handling Equipment)  
Print Date: 3/1/2023

Make:	
Manufacturer:	McCarter
Model:	
Type of Manufacturing and Materials Handling Equipment:	Mixer
Capacity:	3.15E+02
Units:	other units
Description (if other):	tons/hour
Have you attached a diagram showing the location and/or the configuration of this equipment?	No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No
Comments:	

83008 WELDON QUARRY CO LLC PCP220003 E2010 (Manufacturing and Materials Handling Equipment)  
Print Date: 3/1/2023

Make:	
Manufacturer:	McCarter
Model:	
Type of Manufacturing and Materials Handling Equipment:	Bins
Capacity:	3.15E+02
Units:	other units
Description (if other):	tons/hour
Have you attached a diagram showing the location and/or the configuration of this equipment?	No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No
Comments:	

83008 WELDON QUARRY CO LLC PCP220003 E2011 (Manufacturing and Materials Handling Equipment)  
Print Date: 3/1/2023

Make:	
Manufacturer:	FMC
Model:	6100-339D
Type of Manufacturing and Materials Handling Equipment:	Feeders
Capacity:	3.15E+02
Units:	other units
Description (if other):	tons/hour
Have you attached a diagram showing the location and/or the configuration of this equipment?	No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No
Comments:	

83008 WELDON QUARRY CO LLC PCP220003 E2020 (Manufacturing and Materials Handling Equipment)  
Print Date: 3/1/2023

Make:	
Manufacturer:	Meeker
Model:	401611
Type of Manufacturing and Materials Handling Equipment:	Bin
Capacity:	1.00E+02
Units:	other units
Description (if other):	tons/hour
Have you attached a diagram showing the location and/or the configuration of this equipment?	No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No
Comments:	

83008 WELDON QUARRY CO LLC PCP220003 E2021 (Manufacturing and Materials Handling Equipment)  
Print Date: 3/1/2023

Make:	
Manufacturer:	Deister
Model:	USM-148
Type of Manufacturing and Materials Handling Equipment:	Screen
Capacity:	1.00E+02
Units:	other units
Description (if other):	tons/hour
Have you attached a diagram showing the location and/or the configuration of this equipment?	No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No
Comments:	



83008 WELDON QUARRY CO LLC PCP220003 E2030 (Manufacturing and Materials Handling Equipment)  
Print Date: 3/1/2023

Make:	
Manufacturer:	McCarter
Model:	
Type of Manufacturing and Materials Handling Equipment:	Silo
Capacity:	1.50E+01
Units:	other units
Description (if other):	tons/hour
Have you attached a diagram showing the location and/or the configuration of this equipment?	No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No
Comments:	

83008 WELDON QUARRY CO LLC PCP220003 E2031 (Manufacturing and Materials Handling Equipment)  
Print Date: 3/1/2023

Make:	<input type="text"/>
Manufacturer:	<input type="text"/>
Model:	<input type="text"/>
Type of Manufacturing and Materials Handling Equipment:	<input type="text" value="Silo Elevator"/>
Capacity:	<input type="text" value="1.50E+01"/>
Units:	<input type="text" value="other units"/>
Description (if other):	<input type="text" value="tons/hour"/>
Have you attached a diagram showing the location and/or the configuration of this equipment?	<input type="text" value="No"/>
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	<input type="text" value="No"/>
Comments:	

83008 WELDON QUARRY CO LLC PCP220003 E2032 (Manufacturing and Materials Handling Equipment)  
Print Date: 3/1/2023

Make:	
Manufacturer:	McCarter
Model:	
Type of Manufacturing and Materials Handling Equipment:	
Capacity:	1.50E+01
Units:	other units
Description (if other):	tons/hour
Have you attached a diagram showing the location and/or the configuration of this equipment?	No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No
Comments:	

83008 WELDON QUARRY CO LLC PCP220003 E2401 (Manufacturing and Materials Handling Equipment)  
Print Date: 3/1/2023

Make:	
Manufacturer:	Standard Havens
Model:	K614-2279
Type of Manufacturing and Materials Handling Equipment:	Silo
Capacity:	3.67E+03
Units:	ft^3
Description (if other):	
Have you attached a diagram showing the location and/or the configuration of this equipment?	No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No
Comments:	

83008 WELDON QUARRY CO LLC PCP220003 E2402 (Manufacturing and Materials Handling Equipment)  
Print Date: 3/1/2023

Make:	
Manufacturer:	Standard Havens
Model:	K614-2279
Type of Manufacturing and Materials Handling Equipment:	Silo
Capacity:	3.67E+03
Units:	ft^3
Description (if other):	
Have you attached a diagram showing the location and/or the configuration of this equipment?	No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No
Comments:	

83008 WELDON QUARRY CO LLC PCP220003 E2403 (Manufacturing and Materials Handling Equipment)  
Print Date: 3/1/2023

Make:	
Manufacturer:	Standard Havens
Model:	K614-2279
Type of Manufacturing and Materials Handling Equipment:	Silo
Capacity:	3.67E+03
Units:	ft^3
Description (if other):	
Have you attached a diagram showing the location and/or the configuration of this equipment?	No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No
Comments:	

83008 WELDON QUARRY CO LLC PCP220003 E2410 (Manufacturing and Materials Handling Equipment)  
Print Date: 3/1/2023

Make:	
Manufacturer:	Standard Havens
Model:	
Type of Manufacturing and Materials Handling Equipment:	Conveyors
Capacity:	3.15E+02
Units:	other units
Description (if other):	tons/hour
Have you attached a diagram showing the location and/or the configuration of this equipment?	No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No
Comments:	

**WELDON QUARRY CO LLC (83008)**  
**PCP220003**

Date: 8/1/2023

**New Jersey Department of Environmental Protection**  
**Control Device Inventory**

<b>CD NJID</b>	<b>Facility's Designation</b>	<b>Description</b>	<b>CD Type</b>	<b>Install Date</b>	<b>Grand-Fathered</b>	<b>Last Mod. (Since 1968)</b>	<b>CD Set ID</b>
CD2001	Baghouse	Baghouse for Asphalt Batch Plant	Particulate Filter (Baghouse)		No		
CD2002	Cyclone	Cyclone for Asphalt Batch Plant	Cyclone		No		



83008 WELDON QUARRY CO LLC PCP220003 CD2002 (Cyclone)  
Print Date: 6/7/2023

Make:	
Manufacturer:	JT Systems
Model:	JTS-HE-AR-010
Unit Type:	SN
Description:	
Major Cylinder Diameter, Dc (ft):	9.50
Major Cylinder Length, Lc (ft):	11.00
Gas Outlet Diameter, De (ft):	5.00
Gas Inlet Height, He (ft):	5.00
Gas Inlet Width, Bc (ft):	5.00
Gas Outlet Length, Hc + Sc [usually 5/8 Dc] (ft):	
Cone Length, Zc (ft):	13.50
Dust Outlet, Jc (ft):	
Effective Number of Turns, Ne:	
Inlet Gas Velocity, Vi (ft/min):	
True Particle Density (lbs/ft³):	
Average Particle Size (micrometers):	
Gas Temperature (°F):	
Have you attached a Particle Size Distribution Analysis?	<input type="radio"/> Yes <input checked="" type="radio"/> No
Maximum Number of Sources Using this Apparatus as a Control Device (Include Permitted and Non-Permitted Sources):	
Alternative Method to Demonstrate Control Apparatus is Operating Properly:	
Have you attached data from recent performance testing?	<input type="radio"/> Yes <input checked="" type="radio"/> No
Have you attached any manufacturer's data or specifications in support of the feasibility and/or effectiveness of this control apparatus?	<input type="radio"/> Yes <input checked="" type="radio"/> No
Have you attached a diagram showing the location and/or configuration of this control apparatus?	<input type="radio"/> Yes <input checked="" type="radio"/> No
Comments:	

83008 WELDON QUARRY CO LLC PCP220003 CD2001 (Particulate Filter (Baghouse))  
Print Date: 6/7/2023

Make:	
Manufacturer:	Maxam
Model:	99082506
Number of Bags:	560
Size of Bags (ft²):	2.25
Total Bag Area (ft²):	1,260.0
Bag Fabric:	Nomex
Fabric Weight (oz/ft²):	16.00
Fabric Weave:	
Fabric Finish:	Singed
Maximum Design Temperature Capability (°F):	
Maximum Design Air Flow Rate (acfm):	80,000.0
Draft Type:	<input type="button" value="v"/>
Maximum Air Flow Rate to Cloth Area Ratio:	63.50
Minimum Operating Pressure Drop (in. H2O):	2.00
Maximum Operating Pressure Drop (in. H2O):	8.00
Method of Monitoring Pressure Drop:	Photohelic gauge
Maximum Inlet Temperature (°F):	400.0
Minimum Inlet Temperature (°F):	0.0
Dew Point of Gas Stream Maximum Inlet Temperature (°F):	
Maximum Operating Exhaust Gas Flow Rate (acfm):	
Maximum Inlet Gas Stream Moisture Content (%):	
Method for Determining When Bag Replacement is Required:	Visolite Leak Detection, Baghouse Pressure
Method for Determining When Cleaning is Required:	
Method of Bag Cleaning:	Pulse Jet <input type="button" value="v"/>
Description:	
Is Bag Cleaning Conducted On-Line?	<input checked="" type="radio"/> Yes <input type="radio"/> No
Maximum Number of Sources Using this Apparatus as a Control Device (Include Permitted and Non-Permitted Sources):	
Alternative Method to Demonstrate Control Apparatus is Operating Properly:	Opacity
Have you attached a Particle Size Distribution Analysis?	<input type="radio"/> Yes <input checked="" type="radio"/> No

83008 WELDON QUARRY CO LLC PCP220003 CD2001 (Particulate Filter (Baghouse))  
Print Date: 6/7/2023

Have you attached data from recent performance testing?

☐ Yes ☒ No

Have you attached any manufacturer's data or specifications in support of the feasibility and/or effectiveness of this control apparatus?

☐ Yes ☒ No

Have you attached a diagram showing the location and/or configuration of this control apparatus?

☐ Yes ☒ No

Comments:

**WELDON QUARRY CO LLC (83008)**  
**PCP220003**

Date: 8/1/2023

**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.		
PT2001	Baghouse	Batch Plant Baghouse	Square	68	35	400	230.0	180.0	300.0	60,000.0	35,000.0	80,000.0	Up	
PT2002	BatchFugitiv	Batch Plant Fugitive Emissions	Surface	0	0	325	65.0	0.0	100.0	0.0	0.0	0.0	Horizontal	

**WELDON QUARRY CO LLC (83008)**  
**PCP220003**

Date: 8/1/2023

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

**U 2000 AsphaltBatch Asphalt Batch Plant**

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.
OS2001	RotaryDryer	Rotary Dryer	Normal - Steady State	E2001	CD2001 (S) CD2002 (P)	PT2001	3-05-002-01	0.0	2,000.0		35,000.0	80,000.0	180.0	450.0
OS2002	HotElevator	Hot Elevator	Normal - Steady State	E2002		PT2002	3-05-002-02	0.0	2,000.0		0.0	0.0	32.0	450.0
OS2003	ScreenDeck	Screen Deck	Normal - Steady State	E2003		PT2002	3-05-002-02	0.0	2,000.0		0.0	0.0	32.0	450.0
OS2004	HotBins	Hot Bins	Normal - Steady State	E2004		PT2002	3-05-002-02	0.0	2,000.0		0.0	0.0	32.0	450.0
OS2005	WeighHoppers	Weigh Hoppers	Normal - Steady State	E2005	CD2001 (S) CD2002 (P)	PT2001	3-05-002-02	0.0	2,000.0		35,000.0	80,000.0	180.0	450.0
OS2006	Pugmill	Pugmill Mixer	Normal - Steady State	E2006	CD2001 (S) CD2002 (P)	PT2001	3-05-002-40	0.0	2,000.0		35,000.0	80,000.0	180.0	300.0
OS2010	ColdFeedBins	Four (4) Bin Cold Feeds with one (1) Conveyor	Normal - Steady State	E2010		PT2002	3-05-002-04	0.0	2,000.0		0.0	0.0	32.0	100.0
OS2011	TunnelFeeder	Four (4) Tunnel Feeders with one (1) Conveyor	Normal - Steady State	E2011		PT2002		0.0	2,000.0		0.0	0.0	32.0	100.0
OS2020	RAPBin	RAP Bin & Incline Belt	Normal - Steady State	E2020		PT2002	3-05-002-16	0.0	2,000.0		0.0	0.0	32.0	100.0
OS2021	RAPScreen	RAP Screen with one (1) Conveyor	Normal - Steady State	E2021		PT2002	3-05-002-17	0.0	2,000.0		0.0	0.0	32.0	100.0
OS2030	DustSilo	Dust Silo	Normal - Steady State	E2030	CD2001 (S) CD2002 (P)	PT2001	3-05-002-98	0.0	2,000.0		0.0	0.0	32.0	450.0
OS2031	DustElevator	Dust Silo Elevator with three (3) Augers	Normal - Steady State	E2031		PT2002	3-05-002-98	0.0	2,000.0		0.0	0.0	32.0	450.0
OS2032	DustSilo	Dust Silo with one (1) Auger	Normal - Steady State	E2032	CD2001 (S) CD2002 (P)	PT2001	3-05-002-98	0.0	2,000.0		0.0	0.0	32.0	450.0
OS2401	HMASilo1	3671 Cubic Foot Hot Mix Silo	Normal - Steady State	E2401		PT2002	3-05-002-98	0.0	2,000.0		0.0	0.0	180.0	350.0

WELDON QUARRY CO LLC (83008)  
PCP220003

Date: 8/1/2023

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

U 2000 AsphaltBatch Asphalt Batch Plant

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.
OS2402	HMASilo2	3671 Cubic Foot Hot Mix Silo	Normal - Steady State	E2402		PT2002	3-05-002-98	0.0	2,000.0		0.0	0.0	180.0	350.0
OS2403	HMASilo3	3671 Cubic Foot Hot Mix Silo	Normal - Steady State	E2403		PT2002	3-05-002-98	0.0	2,000.0		0.0	0.0	180.0	350.0
OS2410	HMASlatConv	Hot Mlx (HM) Slat Conveyor System consisting of two (2) HM traverse slat conveyors, one (1) main HM slat conveyor & one (1) slide out HM slat conveyor	Normal - Steady State	E2410		PT2002	3-05-002-98	0.0	2,000.0		0.0	0.0	32.0	350.0

83008 WELDON QUARRY CO LLC PCP220003 U2000 OS2001 (Efficiency Table - CD2001)  
 Print Date: 2/28/2023

Pollutant Category	Capture Efficiency (%)	Removal Efficiency (%)	Overall Efficiency (%)
CO			
HAP (Total)			
NOx			
Other (Total)			
PM-10	100	99	99
PM-2.5			
Pb			
SO2			
TSP	100	99	99
VOC (Total)			

83008 WELDON QUARRY CO LLC PCP220003 U2000 OS2001 (Efficiency Table - CD2002)  
 Print Date: 2/28/2023

Pollutant Category	Capture Efficiency (%)	Removal Efficiency (%)	Overall Efficiency (%)
CO			
HAP (Total)			
NOx			
Other (Total)			
PM-10	100	50	50
PM-2.5	100		
Pb			
SO2			
TSP	100	80	50
VOC (Total)			



83008 WELDON QUARRY CO LLC PCP220003 U2000 OS2002 (Raw Materials)

Print Date: 2/28/2023

Raw Material	CAS Number	Physical State	Molecular Weight (lbs/lbs-mole)	Does the Material Contain VOC?	Weight Fraction (%)	Vapor Pressure @ 70 deg F (mmHg)	Organic Density	Units
Aggregate		Solid		No				

83008 WELDON QUARRY CO LLC PCP220003 U2000 OS2001 (Fuel Information Table)

Print Date: 2/28/2023

Is this fuel a blend?	<input type="radio"/> Yes <input checked="" type="radio"/> No
Fuel Category:	Commercial
Fuel Type:	Other
Description (if other):	Propane
Amount of Sulfur in Fuel (%):	
Amount of Ash in Fuel (%):	
Fuel Heating Value:	91,500.00
Units:	BTU/gal
Estimated Maximum Amount of Fuel Burned Annually:	1,180,000.00
Units:	gal/yr
Estimated Actual Amount of Fuel Burned Annually:	
Units:	
Amount of Oxygen in Flue Gas (%):	
Amount of Moisture in Flue Gas (%):	
Comments:	

83008 WELDON QUARRY CO LLC PCP220003 U2000 OS2003 (Raw Materials)

Print Date: 2/28/2023

Raw Material	CAS Number	Physical State	Molecular Weight (lbs/lbs-mole)	Does the Material Contain VOC?	Weight Fraction (%)	Vapor Pressure @ 70 deg F (mmHg)	Organic Density	Units
Aggregate		Solid		No				

83008 WELDON QUARRY CO LLC PCP220003 U2000 OS2004 (Raw Materials)

Print Date: 2/28/2023

Raw Material	CAS Number	Physical State	Molecular Weight (lbs/lbs-mole)	Does the Material Contain VOC?	Weight Fraction (%)	Vapor Pressure @ 70 deg F (mmHg)	Organic Density	Units
Aggregate		Solid		No				

83008 WELDON QUARRY CO LLC PCP220003 U2000 OS2005 (Raw Materials)

Print Date: 2/28/2023

Raw Material	CAS Number	Physical State	Molecular Weight (lbs/lbs-mole)	Does the Material Contain VOC?	Weight Fraction (%)	Vapor Pressure @ 70 deg F (mmHg)	Organic Density	Units
Aggregate		Solid		No				

83008 WELDON QUARRY CO LLC PCP220003 U2000 OS2005 (Efficiency Table - CD2001)  
 Print Date: 2/28/2023

Pollutant Category	Capture Efficiency (%)	Removal Efficiency (%)	Overall Efficiency (%)
CO			
HAP (Total)			
NOx			
Other (Total)			
PM-10	100	99	99
PM-2.5	100	99	99
Pb			
SO2			
TSP	100	99	99
VOC (Total)			

83008 WELDON QUARRY CO LLC PCP220003 U2000 OS2005 (Efficiency Table - CD2002)  
 Print Date: 2/28/2023

Pollutant Category	Capture Efficiency (%)	Removal Efficiency (%)	Overall Efficiency (%)
CO			
HAP (Total)			
NOx			
Other (Total)			
PM-10	100	50	50
PM-2.5	100		
Pb			
SO2			
TSP	100	50	50
VOC (Total)			

## 83008 WELDON QUARRY CO LLC PCP220003 U2000 OS2006 (Raw Materials)

Print Date: 2/28/2023

Raw Material	CAS Number	Physical State	Molecular Weight (lbs/lbs-mole)	Does the Material Contain VOC?	Weight Fraction (%)	Vapor Pressure @ 70 deg F (mmHg)	Organic Density	Units
Aggregate		Solid		No				
Asphalt		Liquid		Yes				lb/gal



83008 WELDON QUARRY CO LLC PCP220003 U2000 OS2006 (Efficiency Table - CD2001)  
 Print Date: 2/28/2023

Pollutant Category	Capture Efficiency (%)	Removal Efficiency (%)	Overall Efficiency (%)
CO			
HAP (Total)			
NOx			
Other (Total)			
PM-10	100	99	99
PM-2.5	100	99	99
Pb			
SO2			
TSP	100	99	99
VOC (Total)			

83008 WELDON QUARRY CO LLC PCP220003 U2000 OS2006 (Efficiency Table - CD2002)  
 Print Date: 2/28/2023

Pollutant Category	Capture Efficiency (%)	Removal Efficiency (%)	Overall Efficiency (%)
CO			
HAP (Total)			
NOx			
Other (Total)			
PM-10	100	50	50
PM-2.5	100		
Pb			
SO2			
TSP	100	50	50
VOC (Total)			

83008 WELDON QUARRY CO LLC PCP220003 U2000 OS2010 (Raw Materials)

Print Date: 2/28/2023

Raw Material	CAS Number	Physical State	Molecular Weight (lbs/lbs-mole)	Does the Material Contain VOC?	Weight Fraction (%)	Vapor Pressure @ 70 deg F (mmHg)	Organic Density	Units
Aggregate		Solid		No				

83008 WELDON QUARRY CO LLC PCP220003 U2000 OS2011 (Raw Materials)

Print Date: 2/28/2023

Raw Material	CAS Number	Physical State	Molecular Weight (lbs/lbs-mole)	Does the Material Contain VOC?	Weight Fraction (%)	Vapor Pressure @ 70 deg F (mmHg)	Organic Density	Units
Aggregate		Solid		No				

83008 WELDON QUARRY CO LLC PCP220003 U2000 OS2020 (Raw Materials)

Print Date: 2/28/2023

Raw Material	CAS Number	Physical State	Molecular Weight (lbs/lbs-mole)	Does the Material Contain VOC?	Weight Fraction (%)	Vapor Pressure @ 70 deg F (mmHg)	Organic Density	Units
Aggregate		Solid		No				

83008 WELDON QUARRY CO LLC PCP220003 U2000 OS2021 (Raw Materials)

Print Date: 2/28/2023

Raw Material	CAS Number	Physical State	Molecular Weight (lbs/lbs-mole)	Does the Material Contain VOC?	Weight Fraction (%)	Vapor Pressure @ 70 deg F (mmHg)	Organic Density	Units
Aggregate		Solid		No				

83008 WELDON QUARRY CO LLC PCP220003 U2000 OS2030 (Raw Materials)

Print Date: 2/28/2023

Raw Material	CAS Number	Physical State	Molecular Weight (lbs/lbs-mole)	Does the Material Contain VOC?	Weight Fraction (%)	Vapor Pressure @ 70 deg F (mmHg)	Organic Density	Units
Non-Metallic Mineral Fines		Solid		No				

83008 WELDON QUARRY CO LLC PCP220003 U2000 OS2030 (Efficiency Table - CD2001)  
 Print Date: 2/28/2023

Pollutant Category	Capture Efficiency (%)	Removal Efficiency (%)	Overall Efficiency (%)
CO			
HAP (Total)			
NOx			
Other (Total)			
PM-10	100	99	99
PM-2.5	100	99	99
Pb			
SO2			
TSP	100	99	99
VOC (Total)			



83008 WELDON QUARRY CO LLC PCP220003 U2000 OS2030 (Efficiency Table - CD2002)  
 Print Date: 2/28/2023

Pollutant Category	Capture Efficiency (%)	Removal Efficiency (%)	Overall Efficiency (%)
CO			
HAP (Total)			
NOx			
Other (Total)			
PM-10	100	50	50
PM-2.5	100		
Pb			
SO2			
TSP	100	50	50
VOC (Total)			

83008 WELDON QUARRY CO LLC PCP220003 U2000 OS2031 (Raw Materials)

Print Date: 2/28/2023

Raw Material	CAS Number	Physical State	Molecular Weight (lbs/lbs-mole)	Does the Material Contain VOC?	Weight Fraction (%)	Vapor Pressure @ 70 deg F (mmHg)	Organic Density	Units
Non-Metallic Mineral Fines		Solid		No				

83008 WELDON QUARRY CO LLC PCP220003 U2000 OS2031 (Gas Flow)  
Print Date: 2/28/2023

Volume of Gas Discharged from  
this source (acfm):

83008 WELDON QUARRY CO LLC PCP220003 U2000 OS2032 (Raw Materials)

Print Date: 2/28/2023

Raw Material	CAS Number	Physical State	Molecular Weight (lbs/lbs-mole)	Does the Material Contain VOC?	Weight Fraction (%)	Vapor Pressure @ 70 deg F (mmHg)	Organic Density	Units
Non-Metallic Mineral Fines		Solid		No				

83008 WELDON QUARRY CO LLC PCP220003 U2000 OS2032 (Gas Flow)  
Print Date: 2/28/2023

Volume of Gas Discharged from  
this source (acfm):

83008 WELDON QUARRY CO LLC PCP220003 U2000 OS2032 (Efficiency Table - CD2001)  
 Print Date: 2/28/2023

Pollutant Category	Capture Efficiency (%)	Removal Efficiency (%)	Overall Efficiency (%)
CO			
HAP (Total)			
NOx			
Other (Total)			
PM-10	100	99	99
PM-2.5	100	99	99
Pb			
SO2			
TSP	100	99	99
VOC (Total)			

83008 WELDON QUARRY CO LLC PCP220003 U2000 OS2032 (Efficiency Table - CD2002)  
 Print Date: 2/28/2023

Pollutant Category	Capture Efficiency (%)	Removal Efficiency (%)	Overall Efficiency (%)
CO			
HAP (Total)			
NOx			
Other (Total)			
PM-10	100	50	50
PM-2.5	100		
Pb			
SO2			
TSP	100	50	50
VOC (Total)			

83008 WELDON QUARRY CO LLC PCP220003 U2000 OS2401 (Raw Materials)

Print Date: 2/28/2023

Raw Material	CAS Number	Physical State	Molecular Weight (lbs/lbs-mole)	Does the Material Contain VOC?	Weight Fraction (%)	Vapor Pressure @ 70 deg F (mmHg)	Organic Density	Units
Hot Mix Asphalt		Solid		Yes				lb/ft^3



83008 WELDON QUARRY CO LLC PCP220003 U2000 OS2402 (Raw Materials)

Print Date: 2/28/2023

Raw Material	CAS Number	Physical State	Molecular Weight (lbs/lbs-mole)	Does the Material Contain VOC?	Weight Fraction (%)	Vapor Pressure @ 70 deg F (mmHg)	Organic Density	Units
Hot Mix Asphalt		Solid		Yes				lb/ft^3

83008 WELDON QUARRY CO LLC PCP220003 U2000 OS2403 (Raw Materials)

Print Date: 2/28/2023

Raw Material	CAS Number	Physical State	Molecular Weight (lbs/lbs-mole)	Does the Material Contain VOC?	Weight Fraction (%)	Vapor Pressure @ 70 deg F (mmHg)	Organic Density	Units
Hot Mix Asphalt		Solid		Yes				lb/ft^3

83008 WELDON QUARRY CO LLC PCP220003 U2000 OS2410 (Raw Materials)

Print Date: 2/28/2023

Raw Material	CAS Number	Physical State	Molecular Weight (lbs/lbs-mole)	Does the Material Contain VOC?	Weight Fraction (%)	Vapor Pressure @ 70 deg F (mmHg)	Organic Density	Units
Hot Mix Asphalt		Solid		Yes				lb/ft^3