West Virginia Department of Environmental Protection
Division of Air Quality

Earl Ray Tomblin
Governor

Randy C. Huffman
Cabinet Secretary

Permit to Modify

R13-0280C-D-R-A-F-T

This permit is issued in accordance with the West Virginia Air Pollution Control Act (West Virginia Code §§ 22-5-1 et seq.) and 45 C.S.R. 13 — Permits for Construction, Modification, Relocation and Operation of Stationary Sources of Air Pollutants, Notification Requirements, Temporary Permits, General Permits and Procedures for Evaluation. The permittee identified at the facility listed below is authorized to construct the stationary sources of air pollutants identified herein in accordance with all terms and conditions of this permit.

Issued to:
Camden Materials, LLC
Parkersburg, West Virginia
107-00004

William F. Durham
Director

Issued: D-R-A-F-T • Effective: D-R-A-F-T

This permit will supercede and replace Permit R13-0280B approved on August 03, 2013.

Facility Location:	Parkersburg, Wood County, West Virginia
Mailing Address:	2950 Charles Avenue, Dunbar, West Virginia 25064
Facility Description:	Hot Mix Asphalt Plant
SIC Codes:	2951 (Petroleum Refining and Related Industries - Paving Mixtures and Blocks)
UTM Coordinates:	454.191 km Easting • 4344.743 km Northing • Zone 17
Permit Type:	Modification
Description of Change:	This permit is to add a portable fractionated reclaimed asphalt pavement (FRAP) processing system. In addition, the existing portable reclaimed asphalt pavement (RAP) system (B11, SCR4, CR2, C20, C21, C22, C23, C24 and ENG1) will be removed.

Any person whose interest may be affected, including, but not necessarily limited to, the applicant and any person who participated in the public comment process, by a permit issued, modified or denied by the Secretary may appeal such action of the Secretary to the Air Quality Board pursuant to article one [§§ 22B-1-1 et seq.], Chapter 22B of the Code of West Virginia. West Virginia Code §22-5-14.

As a result of this permit, the source is a nonmajor or area source subject to 45CSR30. Therefore, the facility is not subject to the permitting requirements of 45CSR30 and is classified as a deferred source.

Table of Contents

1.0 Emission Units

Equipment ID No.	Description	Date of Change	AMR[1]	Maximum Capacity		Control Equipment[2]
				TPH	TPY	
Equipment						
CFDM1	Counterflow Drum Mix Plant	2013	M	350	500,000	CYC1, BH1
SCR1	Screen	2013	M	350	500,000	PW
SCR2	Screen	2013	M	100	125,000	PW
SCR3	Screen	2013	M	100	187,500	PW
SCR4	Screen	2015	R	100		PW
CR1	Crusher	2013	M	100	62,500	FE
CR2	Crusher	2015	R	100		FE
AH1	Asphalt Heater –	2003	M	1,350 scf/h		N
Engine						
ENG1	Caterpillar 3306 Diesel Engine (Mfg. 1983)	2015	R	25gal/hr	550 hp	N
FRAP System						
F-H1	FRAP Feed Hopper	2015	A	200	75,000	PE
F-BC1	FRAP Belt Conveyor	2015	A	200	75,000	PE
F-S1	FRAP Screen	2015	A	200	75,000	FE
F-BC2	FRAP Belt Conveyor	2015	A	75	30,000	N
F-CR1	FRAP Crusher	2015	A	75	30,000	FE
F-BC3	FRAP Belt Conveyor	2015	A	200	75,000	N
F-BC4	FRAP Belt Conveyor	2015	A	200	75,000	N
F-RS1	FRAP Radial Stacker	2015	A	200	75,000	N
F-ENG1	FRAP Engine (John Deere 6068HFC93A-mfg. date 5/17/2013, EPA Interim Tier 4)	2015	A	9.28 gal/hr	173 hp	N
Conveyors						
C1	Belt Conveyor	2013	M	350	500,000	N
C2	Belt Conveyor	2013	M	350	500,000	N
C3	Belt Conveyor	2013	M	350	500,000	N
C4	Belt Conveyor	2003	M	350	500,000	N
C5	Belt Conveyor	2003	M	350	500,000	N
C6	Belt Conveyor	2003	M	350	500,000	N
C7	Belt Conveyor	2003	M	350	500,000	N
C8	Belt Conveyor	2003	M	350	500,000	N
C9	Belt Conveyor	2013	M	350	500,000	N
C10	Belt Conveyor	2013	M	350	500,000	N
C11	Belt Conveyor	2013	M	350	500,000	N
C12	Belt Conveyor	2013	M	350	500,000	N
C13	Belt Conveyor	2013	M	100	125,000	N
C14	Belt Conveyor	2013	M	100	125,000	N
C15	Belt Conveyor	2013	M	100	125,000	N
C16	Belt Conveyor	2013	M	100	187,500	N
C17	Belt Conveyor	2013	M	100	125,000	N
C18	Belt Conveyor	2013	M	100	62,500	N
C19	Belt Conveyor	2013	M	100	62,500	N
C20	Belt Conveyor	2015	R	100	187,500	N
C21	Belt Conveyor	2015	R	100	62,500	N

Equipment ID No.	Description	Date of Change	AMR[1]	Maximum Capacity		Control Equip-ment[2]
				TPH	TPY	
C22	Belt Conveyor	2015	R	100	62,500	N
C23	Belt Conveyor	2015	R	100	125,000	N
C24	Belt Conveyor	2015	R	100	125,000	N
SLC1	Slat Conveyor	2003	M	350	500,000	FE
SC1	Screw Conveyor	2013	M	10	12,500	FE
RS1	Radial Stacker	2013	M	350	500,000	N
RS2	Radial Stacker	2013	M	350	500,000	N
RS3	Radial Stacker	2013	M	350	500,000	N
Storage						
OS1	Aggregate/Limestone/Slag Stockpile	2013	M	80,000 tons	500,000	N
OS2	RAP Stockpile	2013	M	50,000 tons	125,000	N
T1	Storage Tank – #2 fuel/used oil	2013	M	25,000	1,000,000	N
T2	Storage Tank – Asphalt Cement	2003	M	30,000	7,000,000	N
T3	Storage Tank – Asphalt Cement	2013	M	30,000		N
T4	Storage Tank – Asphalt Cement	2013	M	30,000		N
T5	Storage Silo – Off Road Diesel	2003	M	24,500	50,000	N
H1	Hopper	2013	M	350	500,000	PE
B1	Aggregate Bin	2003	M	20 tons	500,000	PE
B2	Aggregate Bin	2003	M	20 tons		PE
B3	Aggregate Bin	2003	M	20 tons		PE
B4	Aggregate Bin	2003	M	20 tons		PE
B5	Aggregate Bin	2003	M	20 tons		PE
B6	Aggregate Bin	2013	M	20 tons		PE
B7	Aggregate Bin	2013	M	20 tons		PE
B8	RAP Bin	2013	M	20 tons	125,000	PE
B9	RAP Bin	2013	M	20 tons	125,000	PE
B10	RAP Bin	2013	M	20 tons	125,000	PE
B11	RAP Bin	2015	R	20 tons	125,000	PE
BS1	HMA Silo	2003	M	200 tons	500,000	FE
BS2	HMA Silo	2013	M	200 tons		FE
BS3	HMA Silo	2013	M	200 tons		FE
D1	Diverter	2013	M	350	500,000	N

[1] A - Addition; M - Modification; R - Removal (Existing unmodified equipment to be included in the permit is labeled with an M.)

[2] FE - Full Enclosure; PE - Partial Enclosure; PW - Partial Enclosure w/water spray; CYC1 - Inertial Separator; BH1 - Baghouse; N - None.

2.0 General Conditions

Definitions

2.1. All references to the "West Virginia Air Pollution Control Act" or the "Air Pollution Control Act" mean those provisions contained in W.Va. Code §§ 22-5-1 to 22-5-18.

2.1.1. The "Clean Air Act" means those provisions contained in 42 U.S.C. §§ 7401 to 7671q, and regulations promulgated thereunder.

2.1.2. "Secretary" means the Secretary of the Department of Environmental Protection or such other person to whom the Secretary has delegated authority or duties pursuant to W.Va. Code §§ 22-1-6 or 22-1-8 (45CSR§30-2.12.). The Director of the Division of Air Quality is the Secretary's designated representative for the purposes of this permit.

2.1.3.

Acronyms

2.2.

CAAA	Clean Air Act Amendments	**NO_X**	Nitrogen Oxides
CBI	Confidential Business Information	**NSPS**	New Source Performance Standards
CEM	Continuous Emission Monitor	**PM**	Particulate Matter
CES	Certified Emission Statement	**$PM_{2.5}$**	Particulate Matter less than 2.5 µm in diameter
C.F.R. *or* CFR	Code of Federal Regulations		
CO	Carbon Monoxide	**PM_{10}**	Particulate Matter less than 10µm in diameter
C.S.R. *or* CSR	Codes of State Rules		
DAQ	Division of Air Quality	**Ppb**	Pounds per Batch
DEP	Department of Environmental Protection	**Pph**	Pounds per Hour
		Ppm	Parts per Million
dscm	Dry Standard Cubic Meter	**Ppm_V or ppmv**	Parts per Million by Volume
FOIA	Freedom of Information Act		
HAP	Hazardous Air Pollutant	**PSD**	Prevention of Significant Deterioration
HON	Hazardous Organic NESHAP		
HP	Horsepower	**Psi**	Pounds per Square Inch
lbs/hr	Pounds per Hour	**SIC**	Standard Industrial Classification
LDAR	Leak Detection and Repair		
M	Thousand	**SIP**	State Implementation Plan
MACT	Maximum Achievable Control Technology	**SO_2**	Sulfur Dioxide
		TAP	Toxic Air Pollutant
MDHI	Maximum Design Heat Input	**TPY**	Tons per Year
MM	Million	**TRS**	Total Reduced Sulfur
MMBtu/hr *or* mmbtu/hr	Million British Thermal Units per Hour	**TSP**	Total Suspended Particulate
		USEPA	United States Environmental Protection Agency
MMCF/hr *or* mmcf/hr	Million Cubic Feet per Hour		
		UTM	Universal Transverse Mercator
NA	Not Applicable	**VEE**	Visual Emissions Evaluation
NAAQS	National Ambient Air Quality Standards	**VOC**	Volatile Organic Compounds
		VOL	Volatile Organic Liquids
NESHAPS	National Emissions Standards for Hazardous Air Pollutants		

2.3. Authority

This permit is issued in accordance with West Virginia Air Pollution Control Act W.Va. Code §§ 22-5-1. et seq. and the following Legislative Rules promulgated thereunder:

45CSR13 – *Permits for Construction, Modification, Relocation and Operation of Stationary Sources*

2.3.1.

of Air Pollutants, Notification Requirements, Temporary Permits, General Permits and Procedures for Evaluation;

2.4. Term and Renewal

This permit supersedes and replaces previously issued Permit R13-0280B. This Permit shall remain

2.4.1.

valid, continuous and in effect unless it is revised, suspended, revoked or otherwise changed under an applicable provision of 45CSR13 or any other applicable legislative rule;

2.5. Duty to Comply

The permitted facility shall be constructed and operated in accordance with the plans and

2.5.1.

specifications filed in Permit Application R13-20280C, and any modifications, administrative updates, or amendments thereto. The Secretary may suspend or revoke a permit if the plans and specifications upon which the approval was based are not adhered to;

[45CSR§§13-5.11 and 10.3.]

The permittee must comply with all conditions of this permit. Any permit noncompliance constitutes

2.5.2.

a violation of the West Virginia Code and the Clean Air Act and is grounds for enforcement action by the Secretary or USEPA;

Violations of any of the conditions contained in this permit, or incorporated herein by reference,

2.5.3.

may subject the permittee to civil and/or criminal penalties for each violation and further action or remedies as provided by West Virginia Code 22-5-6 and 22-5-7;

Approval of this permit does not relieve the permittee herein of the responsibility to apply for and

2.5.4.

obtain all other permits, licenses, and/or approvals from other agencies; i.e., local, state, and federal, which may have jurisdiction over the construction and/or operation of the source(s) and/or facility herein permitted.

2.6. Duty to Provide Information

The permittee shall furnish to the Secretary within a reasonable time any information the Secretary may request in writing to determine whether cause exists for administratively updating, modifying, revoking, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the Secretary copies of records to be kept by the permittee. For information claimed to be confidential, the permittee shall furnish such records to the Secretary along with a claim of confidentiality in accordance with 45CSR31. If confidential information is to be sent to USEPA, the permittee shall

directly provide such information to USEPA along with a claim of confidentiality in accordance with 40 C.F.R. Part 2.

2.7. Duty to Supplement and Correct Information

Upon becoming aware of a failure to submit any relevant facts or a submittal of incorrect information in any permit application, the permittee shall promptly submit to the Secretary such supplemental facts or corrected information.

2.8. Administrative Update

The permittee may request an administrative update to this permit as defined in and according to the procedures specified in 45CSR13.

[45CSR§13-4.]

2.9. Permit Modification

The permittee may request a minor modification to this permit as defined in and according to the procedures specified in 45CSR13.

[45CSR§13-5.4.]

2.10 Major Permit Modification

The permittee may request a major modification as defined in and according to the procedures specified in 45CSR14 or 45CSR19, as appropriate.

[45CSR§13-5.1]

2.11. Inspection and Entry

The permittee shall allow any authorized representative of the Secretary, upon the presentation of credentials and other documents as may be required by law, to perform the following:

a. At all reasonable times (including all times in which the facility is in operation) enter upon the permittee's premises where a source is located or emissions related activity is conducted, or where records must be kept under the conditions of this permit;

b. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;

c. Inspect at reasonable times (including all times in which the facility is in operation) any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit; and

d. Sample or monitor at reasonable times substances or parameters to determine compliance with the permit or applicable requirements or ascertain the amounts and types of air pollutants discharged.

2.12. Emergency

An "emergency" means any situation arising from sudden and reasonable unforeseeable events beyond

2.12.1.

the control of the source, including acts of God, which situation requires immediate corrective action to restore normal operation, and that causes the source to exceed a technology-based emission limitation under the permit, due to unavoidable increases in emissions attributable to the emergency. An emergency shall not include noncompliance to the extent caused by improperly designed equipment, lack of preventative maintenance, careless or improper operation, or operator error.

Effect of any emergency. An emergency constitutes an affirmative defense to an action brought for

2.12.2.

noncompliance with such technology-based emission limitations if the conditions of Section 2.12.3 are met.

The affirmative defense of emergency shall be demonstrated through properly signed,

2.12.3.

contemporaneous operating logs, or other relevant evidence that:

a. An emergency occurred and that the permittee can identify the cause(s) of the emergency;

b. The permitted facility was at the time being properly operated;

c. During the period of the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit; and

d. The permittee submitted notice of the emergency to the Secretary within one (1) working day of the time when emission limitations were exceeded due to the emergency and made a request for variance, and as applicable rules provide. This notice must contain a detailed description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.

In any enforcement proceeding, the permittee seeking to establish the occurrence of an emergency has

2.12.4.

the burden of proof.

The provisions of this section are in addition to any emergency or upset provision contained in any

2.12.5

applicable requirement.

2.13. Need to Halt or Reduce Activity Not a Defense

It shall not be a defense for a permittee in an enforcement action that it should have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. However, nothing in this paragraph shall be construed as precluding consideration of a need to halt or reduce activity as a mitigating factor in determining penalties for noncompliance if the health, safety, or environmental impacts of halting or reducing operations would be more serious than the impacts of continued operations.

2.14. Suspension of Activities

In the event the permittee should deem it necessary to suspend, for a period in excess of sixty (60) consecutive calendar days, the operations authorized by this permit, the permittee shall notify the Secretary, in writing, within two (2) calendar weeks of the passing of the sixtieth (60) day of the suspension period.

2.15. Property Rights

This permit does not convey any property rights of any sort or any exclusive privilege.

2.16. Severability

The provisions of this permit are severable and should any provision(s) be declared by a court of competent jurisdiction to be invalid or unenforceable, all other provisions shall remain in full force and effect.

2.17. Transferability

This permit is transferable in accordance with the requirements outlined in Section 10.1 of 45CSR13. **[45CSR§13-10.1.]**

2.18. Notification Requirements

The permittee shall notify the Secretary, in writing, no later than thirty (30) calendar days after the actual

startup of the operations authorized under this permit.

2.19. Credible Evidence

Nothing in this permit shall alter or affect the ability of any person to establish compliance with, or a violation of, any applicable requirement through the use of credible evidence to the extent authorized by law. Nothing in this permit shall be construed to waive any defense otherwise available to the permittee including, but not limited to, any challenge to the credible evidence rule in the context of any future proceeding.

3.0. Facility-Wide Requirements

Limitations and Standards

3.1.

3.1.1. **Open burning.** The open burning of refuse by any person, firm, corporation, association or public agency is prohibited except as noted in 45CSR§6-3.1.
[45CSR§6-3.1.]

3.1.2. **Open burning exemptions.** The exemptions listed in 45CSR§6-3.1 are subject to the following stipulation: Upon notification by the Secretary, no person shall cause, suffer, allow or permit any form of open burning during existing or predicted periods of atmospheric stagnation. Notification shall be made by such means as the Secretary may deem necessary and feasible.
[45CSR§6-3.2.]

3.1.3. **Asbestos.** The permittee is responsible for thoroughly inspecting the facility, or part of the facility, prior to commencement of demolition or renovation for the presence of asbestos and complying with 40 C.F.R. § 61.145, 40 C.F.R. § 61.148, and 40 C.F.R. § 61.150. The permittee, owner, or operator must notify the Secretary at least ten (10) working days prior to the commencement of any asbestos removal on the forms prescribed by the Secretary if the permittee is subject to the notification requirements of 40 C.F.R. § 61.145(b)(3)(i). The USEPA, the Division of Waste Management, and the Bureau for Public Health - Environmental Health require a copy of this notice to be sent to them.
[40CFR§61.145(b) and 45CSR§34]

3.1.4. **Odor.** No person shall cause, suffer, allow or permit the discharge of air pollutants which cause or contribute to an objectionable odor at any location occupied by the public.
[45CSR§4-3.1] ***[State Enforceable Only]***

3.1.5. **Permanent shutdown.** A source which has not operated at least 500 hours in one 12-month period within the previous five (5) year time period may be considered permanently shutdown, unless such source can provide to the Secretary, with reasonable specificity, information to the contrary. All permits may be modified or revoked and/or reapplication or application for new permits may be required for any source determined to be permanently shutdown.
[45CSR§13-10.5.]

3.1.6. **Standby plan for reducing emissions.** When requested by the Secretary, the permittee shall prepare standby plans for reducing the emissions of air pollutants in accordance with the objectives set forth in Tables I, II, and III of 45CSR11.
[45CSR§11-5.2.]

Monitoring Requirements

3.2.

[Reserved]

3.3. Testing Requirements

3.3.1. **Stack testing.** As per provisions set forth in this permit or as otherwise required by the Secretary, in accordance with the West Virginia Code, underlying regulations, permits and orders, the permittee shall conduct test(s) to determine compliance with the emission limitations set forth in this permit and/or established or set forth in underlying documents. The Secretary, or his duly authorized representative, may at his option witness or conduct such test(s). Should the Secretary exercise his option to conduct such test(s), the operator shall provide all necessary sampling connections and sampling ports to be located in such manner as the Secretary may require, power for test equipment and the required safety equipment, such as scaffolding, railings and ladders, to comply with generally accepted good safety practices. Such tests shall be conducted in accordance with the methods and procedures set forth in this permit or as otherwise approved or specified by the Secretary in accordance with the following:

a. The Secretary may on a source-specific basis approve or specify additional testing or alternative testing to the test methods specified in the permit for demonstrating compliance with 40 C.F.R. Parts 60, 61, and 63 in accordance with the Secretary's delegated authority and any established equivalency determination methods which are applicable. If a testing method is specified or approved which effectively replaces a test method specified in the permit, the permit may be revised in accordance with 45CSR§13-4. or 45CSR§13-5.4 as applicable.

b. The Secretary may on a source-specific basis approve or specify additional testing or alternative testing to the test methods specified in the permit for demonstrating compliance with applicable requirements which do not involve federal delegation. In specifying or approving such alternative testing to the test methods, the Secretary, to the extent possible, shall utilize the same equivalency criteria as would be used in approving such changes under Section 3.3.1.a. of this permit. If a testing method is specified or approved which effectively replaces a test method specified in the permit, the permit may be revised in accordance with 45CSR§13-4. or 45CSR§13-5.4 as applicable.

c. All periodic tests to determine mass emission limits from or air pollutant concentrations in discharge stacks and such other tests as specified in this permit shall be conducted in accordance with an approved test protocol. Unless previously approved, such protocols shall be submitted to the Secretary in writing at least thirty (30) days prior to any testing and shall contain the information set forth by the Secretary. In addition, the permittee shall notify the Secretary at least fifteen (15) days prior to any testing so the Secretary may have the opportunity to observe such tests. This notification shall include the actual date and time during which the test will be conducted and, if appropriate, verification that the tests will fully conform to a referenced protocol previously approved by the Secretary.

d. The permittee shall submit a report of the results of the stack test within sixty (60) days of completion of the test. The test report shall provide the information necessary to document the objectives of the test and to determine whether proper procedures were used to accomplish these objectives. The report shall include the following: the certification described in paragraph 3.5.1.; a statement of compliance status, also signed by a responsible official; and, a summary of conditions which form the basis for the compliance status evaluation. The summary of conditions shall include the following:

1. The permit or rule evaluated, with the citation number and language;

2. The result of the test for each permit or rule condition; and,
3. A statement of compliance or noncompliance with each permit or rule condition.

[WV Code § 22-5-4(a)(14-15) and 45CSR13]

Recordkeeping Requirements

3.4.

Retention of records. The permittee shall maintain records of all information (including monitoring

3.4.1.

data, support information, reports, and notifications) required by this permit recorded in a form suitable and readily available for expeditious inspection and review. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation. The files shall be maintained for at least five (5) years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. At a minimum, the most recent two (2) years of data shall be maintained on site. The remaining three (3) years of data may be maintained off site, but must remain accessible within a reasonable time. Where appropriate, the permittee may maintain records electronically (on a computer, on computer floppy disks, CDs, DVDs, or magnetic tape disks), on microfilm, or on microfiche.

Odors. For the purposes of 45CSR4, the permittee shall maintain a record of all odor complaints

3.4.2.

received, any investigation performed in response to such a complaint, and any responsive action(s) taken.

[45CSR§4. *State Enforceable Only.*]

Reporting Requirements

3.5.

Responsible official. Any application form, report, or compliance certification required by this permit

3.5.1.

to be submitted to the DAQ and/or USEPA shall contain a certification by the responsible official that states that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

Confidential information. A permittee may request confidential treatment for the submission of

3.5.2.

reporting required by this permit pursuant to the limitations and procedures of W.Va. Code § 22-5-10 and 45CSR31.

Correspondence. All notices, requests, demands, submissions and other communications required

3.5.3.

or permitted to be made to the Secretary of DEP and/or USEPA shall be made in writing and shall be deemed to have been duly given when delivered by hand, or mailed first class with postage prepaid to the address(es) set forth below or to such other person or address as the Secretary of the Department of Environmental Protection may designate:

If to the DAQ:
Director
WVDEP
Division of Air Quality
601 57th Street
Charleston, WV 25304-2345

If to the US EPA:
Associate Director
Office of Air Enforcement and Compliance Assistance
(3AP20)
U.S. Environmental Protection Agency
Region III
1650 Arch Street
Philadelphia, PA 19103-2029

3.5.4. **Operating Fee**

3.5.4.1. In accordance with 45CSR30 – Operating Permit Program, the permittee shall submit a certified emissions statement and pay fees on an annual basis in accordance with the submittal requirements of the Division of Air Quality. A receipt for the appropriate fee shall be maintained on the premises for which the receipt has been issued, and shall be made immediately available for inspection by the Secretary or his/her duly authorized representative.

3.5.5. **Emission inventory.** At such time(s) as the Secretary may designate, the permittee herein shall prepare and submit an emission inventory for the previous year, addressing the emissions from the facility and/or process(es) authorized herein, in accordance with the emission inventory submittal requirements of the Division of Air Quality. After the initial submittal, the Secretary may, based upon the type and quantity of the pollutants emitted, establish a frequency other than on an annual basis.

4.0. Source-Specific Requirements

4.1. Limitations and Standards

4.1.1. **Relcaimed Asphalt Pavement.** The facility shall employ an existing reclaimed asphalt pavement (RAP) crushing plant in addition to a FRAP system, which includes associated stockpile, hopper, conveyors, crusher, and scalping screen. The operation of this plant shall not exceed the following maximum operating and emission limitations:

a. The existing RAP and FRAP plants combined shall not process more than 250,000 tons (125,000 tons/each) of RAP per year, based on a 12 month rolling total;

b. Particulate matter emissions discharged from the non-FRAP crushing unit shall not exceed 0.04 pounds per hour and 0.02 tons per year;
[45CSR§7-4.1]

c. The crusher shall not discharge fugitive emissions into the atmosphere greater than 12 percent opacity;
[40 CFR § 60.672(b)]

d. Fugitive emission from the transfer points on the belt conveyors shall not discharge fugitive emissions into the atmosphere greater than 10 percent opacity;
[40 CFR § 60.672(b)]

e. Partial enclosures shall be installed and maintained to minimize fugitive emissions from the associated transfer points;
[45CSR§7-5.1]

f. A full enclosure shall be installed and maintained to minimize fugitive emission from the crusher.
[45CSR§7-5.1]

4.1.2. **Counterflow Drum Mix Asphalt Plant.** The facility shall operate one ASTEC Double Barrel counterflow drum mix asphalt plant, which includes associated stockpiles, bins, storage vessels, belt conveyors, counterflow drum mixer (Emission Point 1E). The operation of this plant shall not exceed the following maximum operating and emission limitations:

a. The maximum production rate of hot mix asphalt (HMA) shall not exceed 500,000 tons per year, based on a 12 month rolling total;

b. Maximum emissions discharged from counterflow drum mixer CFDM1 shall not exceed the following:

Source ID	Pollutant	Maximum Hourly Emissions (lb/hr)	Maximum Annual Emissions (tpy)
CFDM1	Nitrogen Oxides	19.25	13.75
	Carbon Monoxide	45.50	32.50
	Sulfur Dioxide	20.30	14.50
	Total Particulate Matter	21.91	15.65
	Particulate Matter less than 10 microns	5.04	3.60
	Volatile Organic Compounds	11.20	8.00
	Total HAPs	3.68	2.63

c. Emission point 1E shall not exhibit visible emissions greater than 20 percent opacity; **[45CSR§3-3.1. and 40CFR§60.92(a)(2)]**

d. Dryer burners may fire fuel oil, recycled or used oil or pipeline quality natural gas. Maximum sulfur content of fuel oil or recycled or used oil fired in any burner shall not exceed 0.5%. The registrant shall not fire the dryer with wood (or wood byproducts), coal, or fuel consisting of, processed or derived from used automotive or truck tires.

The quantity of fuel consumed by CFDM1 shall not exceed the following, base on a 12 month rolling total: 160,185 standard cubic feet per hour and 291.83 x 10^6 standard cubic feet per year of natural gas; 1,490 gallons per hour and 9.52 x 10^6 gallons per year of No. 2 fuel oil; or 1,556 gallons per hour and 9.94 x 10^6 gallons per year of used oil.

e. The permittee shall not receive, store, burn or fire any recycled or used oil which is considered a hazardous waste or does not meet the used oil specifications below (40 C.F.R. 279.11, Table 1). The burning of used or recycled oil which does not meet these specifications shall constitute a violation of 45CSR25, 33CSR20 and the requirements, provisions, standards and conditions of this permit.

Constituent or Property	Maximum Allowable Specification
Arsenic	5.0 ppm
Cadmium	2.0 ppm
Chromium	10.0 ppm
Lead	100.0 ppm
PCBs	2.0 ppm
Total Halogen	4000.0 ppm maximum
Mercury	0.20 ppm
Flash Point	100.0 /F minimum

f. Recycled or used oil with a Total Halogen content greater than 1000.0 ppm is presumed to be a hazardous waste under the rebuttable presumption provided in 40 C.F.R. 279.10(b)(1)(ii). Therefore, the permittee may receive, store and burn recycled or used oil exceeding 1000.0 ppm Total Halogen (but less than 4000.0 ppm maximum) only if the supplier or marketer has demonstrated that the recycled or used oil is not and does not contain hazardous waste.

g. The permittee shall use only the following materials in the production of hot mix asphalt: clay, silt, sand, gravel and crushed stone produced from natural geologic formations; recycled asphalt shingles, recycled asphalt pavement; portland cement concrete; recycled fines and/or sediments from asphalt plant air pollution control devices; asphaltic cement, hydrated lime.

h. An ASTEC RBH 64-15 pulse jet baghouse or equivalent shall be used to prevent the emission of particulate matter from the counterflow drum mixer. The baghouse shall be operated at all times when the counterflow drum mixer is in operation.

4.1.3. **Asphaltic Cement Heater**. The facility shall operate one natural gas fired asphaltic cement heater AH1 (Emission Point 2E).

a. The asphaltic cement heater shall not exceed a maximum design heat input of 1.43 MMBtu/hr;

b. Maximum emissions from the natural gas fired asphaltic cement heater AH1 shall not exceed the following limits:

Source ID	Pollutant	Maximum Hourly Emissions (lb/hr)	Maximum Annual Emissions (tpy)
AH1	Nitrogen Oxides	0.14	0.59
	Carbon Monoxide	0.11	0.50
	Sulfur Dioxide	0.001	0.01
	Total Particulate Matter	0.01	0.04
	Particulate Matter less than 10 microns	0.01	0.04
	Volatile Organic Compounds	0.007	0.03

c. The quantity of natural gas that shall be consumed by AH1 shall not exceed 1,400 standard cubic feet per hour and 11.826 x 10^6 standard cubic feet per year, based on a 12 month rolling total.

d. Emission point 2E shall not exhibit visible emission greater then 10 percent opacity based on a six minute block average;
[45CSR§2-3.1.]

e. No person shall cause, suffer, allow or permit the emission into the open air from any source operation an in-stack sulfur dioxide concentration exceeding 2,000 parts per million by volume from existing source operations.
[45CSR§10-4.1.]

4.1.4. The permittee shall maintain fixed water sprays and shall utilize same to apply water, or a mixture of water and an environmentally acceptable dust control additive, hereinafter referred to as solution, as often as is necessary in order to minimize the atmospheric entrainment of fugitive particulate emissions that may be generated from haulroads.

The sprayers shall be equipped with commercially available spray nozzles, of sufficient size and number, so as to provide adequate coverage to the area being treated.

The permittee shall properly install, operate and maintain designed winterization systems for all water trucks and/or water sprays in a manner that all such fugitive dust control systems remain functional during winter months and cold weather.

4.1.5. **Operation and Maintenance of Air Pollution Control Equipment.** The permittee shall, to the extent practicable, install, maintain, and operate all pollution control equipment listed in Section 1.0 and associated monitoring equipment in a manner consistent with safety and good air pollution control practices for minimizing emissions, or comply with any more stringent limits set forth in this permit or as set forth by any State rule, Federal regulation, or alternative control plan approved by the Secretary.
[45CSR§13-5.11.]

4.1.6. **Owners and Operators of Compression Ignition Internal Combustion Engines.** Owners and operators of 2007 model year and later non-emergency stationary CI ICE with a displacement of less than 30 liters per cylinder must comply with the emission standards for new CI engines in §60.4201 for their 2007 model year and later stationary CI ICE, as applicable. **[40 C.F.R. 60.4204(b)]**

4.2. Monitoring Requirements

4.2.1. For the purpose of determining compliance with RAP and FRAP maximum throughput and emission limits set forth in 4.1.1., the permittee shall monitor RAP throughput and maintain certified daily records. An example form is included as Appendix A. Such records shall be retained onsite by the permittee for at least five (5) years. Certified records shall be made available to the Director or his duly authorized representative upon request.

4.2.2. For the purpose of determining compliance with counterflow drum mixer maximum throughput and emission limits set forth in 4.1.2., the permittee shall monitor HMA throughput and maintain certified daily records. An example form is included as Appendix A. Such records shall be retained onsite by the permittee for at least five (5) years. Certified records shall be made available to the Director or his duly authorized representative upon request.

4.2.3. For the purpose of determining compliance with the counterflow drum mixer fuel usage and emission limits set forth in 4.1.3., the permittee shall maintain monthly records of the natural gas, No. 2 fuel oil, and used oil consumed in the dryer utilizing the form identified as Appendix B. Certified records shall be made available to the Director or his duly authorized representative upon request.

4.2.4. For the purpose of determining compliance with the asphaltic cement heater maximum natural gas usage and emission limits set forth in 4.1.3., the permittee shall maintain monthly records of the natural gas consumed in the 1.43 MMBTU/hr heater utilizing the form identified as Appendix C. Certified records shall be made available to the Director or his duly authorized representative upon request.

4.2.5. For the purpose of determining compliance with the opacity limits set forth in 4.1.1. and 4.1.2., the permittee shall conduct visible emission checks and / or opacity monitoring and recordkeeping for all emission sources subject to an opacity limit.

a. The visible emission check shall determine the presence or absence of visible emissions. At a minimum, the observer must be trained and knowledgeable regarding the effects of background contrast, ambient lighting, observer position relative to lighting, wind, and the presence of uncombined water (condensing water vapor) on the visibility of emissions. This training may be obtained from written materials found in the References 1 and 2 from 40CFR Part 60, Appendix A, Method 22 or from the lecture portion of the 40CFR Part 60, Appendix A, Method 9 certification course.

b. Visible emission checks shall be conducted at least once per calendar month with a maximum of forty-five (45) days between consecutive readings. These checks shall be performed at each source (stack, transfer point, fugitive emission source, etc.) for a sufficient time interval, but no less than one (1) minute, to determine if any visible emissions are present. Visible emission checks shall be performed during periods of facility operation and appropriate weather conditions.

c. If visible emissions are present at a source(s) for two (2) consecutive monthly checks, the permittee shall conduct an opacity reading at that source(s) using the procedures and requirements of Method 9 as soon as practicable, but within seventy-two (72) hours of the final visual emission check. A Method 9 observation at a source(s) restarts the count of the number of consecutive readings with the presence of visible emissions.

4.2.6. **Compliance Requirements for Owners and Operators of Compression Ignition Internal Combustion Engines**

(1) Operate and maintain the stationary CI internal combustion engine and control device according to the manufacturer's emission-related written instructions;

(2) Change only those emission-related settings that are permitted by the manufacturer;

(3) Meet the requirements of 40 CFR parts 89, 94 and/or 1068, as they apply to you.

4.3. Testing Requirements

4.3.1. For the purposes of demonstrating initial compliance with opacity limitations in condition 4.1.1., 40 CFR §§60.672(b) and 60.672(c), the permittee shall conduct performance testing of crusher (CR-1) and associated transfer point with conveyer belts BC-2 and B-3 within 180 days after start-up of the RAP crushing plant. Such testing shall be for determining compliance with the visible emission limits stated in conditions 4.1.1.c. and 4.1.1.d. Such testing shall be conducted in accordance with the following:

a. U.S. EPA Method 9 and the procedures of 40 CFR §60.11 with the following additions shall be used to determine the opacity of the emission units not enclosed in a building:

A. The minimum distance between the observer and the emission source shall be 15 feet;

B. When possible, the observer shall select a position that minimizes interference from other fugitive emissions sources. The required observer position relative to the sun (Method 9, Section 2.1) must be followed.

C. The duration of the observations may be reduce from 3 hours (thirty 6-minute averages) to 1 hour (ten 6-minute averages) only if the following conditions are met:

i. There are no individual reading greater than 10 percent opacity; and

ii. There are no more than 3 readings of 10 percent for the 1-hour period.

D. If the emissions from two or more units continuously interfere so that the opacity of fugitive emissions from an individual unit cannot be read, either of the following procedures may be used:

i. Use for the combined emission stream the highest fugitive opacity standard applicable to any of the individual affected unit(s) contributing to the emission stream; or

ii. Separate the emissions so that the opacity from each unit can be read.

b. Testing shall be conducted in accordance with condition 3.3.1. Records of such testing shall be maintained in accordances with condition 3.4.1. **[40CFR§§60.8 and 60.676(f)]**

4.4. Recordkeeping Requirements

4.4.1. **Record of Monitoring.** The permittee shall keep records of monitoring information that include the following:

a. The date, place as defined in this permit and time of sampling or measurements;
b. The date(s) analyses were performed;
c. The company or entity that performed the analyses;
d. The analytical techniques or methods used;
e. The results of the analyses; and
f. The operating conditions existing at the time of sampling or measurement.

4.4.2. **Record of Maintenance of Air Pollution Control Equipment.** For all pollution control equipment listed in Section 1.0, the permittee shall maintain accurate records of all required pollution control equipment inspection and/or preventative maintenance procedures.

4.4.3. **Record of Malfunctions of Air Pollution Control Equipment.** For all air pollution control equipment listed in Section 1.0, the permittee shall maintain records of the occurrence and duration of any malfunction or operational shutdown of the air pollution control equipment during which excess emissions occur. For each such case, the following information shall be recorded:

a. The equipment involved.
b. Steps taken to minimize emissions during the event.
c. The duration of the event.
d. The estimated increase in emissions during the event.

For each such case associated with an equipment malfunction, the additional information shall also be recorded:

e. The cause of the malfunction.
f. Steps taken to correct the malfunction.
g. Any changes or modifications to equipment or procedures that would help prevent future recurrences of the malfunction.

4.4.4. For the purpose of determining compliance with RAP and FRAP maximum throughput and operation limits set forth in 4.1.1., the applicant shall maintain certified daily and monthly records. An example form is included as Appendix A. Compliance will be determined on a 12 month rolling total. These records shall be maintained on-site for a period of five (5) years and be made available to the Director of the Division of Air Quality or his/her duly authorized representative upon request.

4.4.5. For the purpose of determining compliance with counterflow drum mixer maximum production throughput and operation limits set forth in 4.1.2., the applicant shall maintain certified daily and monthly records. An example form is included as Appendix A. Compliance will be determined on a 12 month rolling total. These records shall be maintained on-site for a period of five (5) years and be made available to the Director of the Division of Air Quality or his/her duly authorized representative upon request.

4.4.6. For the purpose of determining compliance with counterflow drum mixer dryer maximum operational limits set forth in 4.1.2., the applicant shall maintain certified monthly records of natural gas, No. 2 fuel oil, and used oil usage by the dryer. An example form is included as Appendix B. Compliance will be determined on a 12 month rolling total. These records shall be maintained on-site for a period of five (5) years and be made available to the Director of the Division of Air Quality or his/her duly authorized representative upon request.

4.4.7. For the purpose of determining compliance with maximum asphaltic cement heater operation limits set forth in 4.1.3., the applicant shall maintain certified monthly records of natural gas usage by the heater. An example form is included as Appendix C. Compliance will be determined on a

12 month rolling total. These records shall be maintained on-site for a period of five (5) years and be made available to the Director of the Division of Air Quality or his/her duly authorized representative upon request.

4.4.8. The permittee shall maintain records of all monitoring data required by Section 4.2.4. documenting the date and time of each visible emission check, the emission point or equipment / source identification number, the name or means of identification of the observer, the results of the check(s), whether the visible emissions are normal for the process, and, if applicable, all corrective measures taken or planned. The permittee shall also record the general weather conditions (i.e. sunny, approximately 80°F, 6-10 mph NE wind) during the visual emission check(s). An example form is supplied as Appendix C. Should a visible emission observation be required to be performed per the requirements specified in Method 9, the data records of each observation shall be maintained per the requirements of Method 9. For an emission unit out of service during the normal monthly evaluation, the record of observation may note "out of service" (O/S) or equivalent. An example form is included as Appendix D. These records shall be maintained on-site for a period of five (5) years and be made available to the Director of the Division of Air Quality or his/her duly authorized representative upon request.

4.5. Reporting Requirements

4.5.1. Any violation(s) of the allowable visible emission requirement for any emission source discovered during observation using 40CFR Part 60, Appendix A, Method 9 must be reported in writing to the Director of the Division of Air Quality as soon as practicable, but within ten (10) calendar days, of the occurrence and shall include, at a minimum, the following information: the results of the visible determination of opacity of emissions, the cause or suspected cause of the violation(s), and any corrective measures taken or planned.

4.5.2. The permittee shall submit a written report of the results of testing required in condition 4.3.1. before the close of business on the 60th day following the completion of such testing to the Director and U.S. EPA Administrator.
[40 CFR §60.676(f)]

APPENDIX A

Certified Daily / Monthly HMA and RAP/FRAP Production[1]
Camden Materials, LLC – Parkersburg Plant #31
COMPANY ID NO. 107-00004
PERMIT NO. R13-0280C

Month _____ Year _____

Day of Month	HMA processed (tons)	RAP processed	FRAP processed	Initials
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				
31				
Monthly Total				
12 Month Rolling Total[2]				

(1) The **CERTIFICATION OF DATA ACCURACY** statement appearing on the reverse side shall be completed and kept on site for a period of no less than five (5) years and shall be made available to the Director or his or her duly authorized representative upon request.

(2) The Twelve Month Rolling Total shall mean the sum of the amount of grout produced any given time during the previous twelve (12) consecutive calender months. **Maximum permitted 12-month rolling total throughput is 250,000 tons per year of RAP and 500,000 tons per year of HMA.**

APPENDIX B

Certified Fuel Consumption of Counterflow Drum Mix Dryer
Camden Materials, LLC – Parkersburg Plant #31
COMPANY ID NO. 107-00004
PERMIT NO. R13-0280C

Month _____ Year _____

Day of Month	Natural Gas Used by Counterflow Drum Mix Dryer	No. 2 Fuel Oil Used by Counterflow Drum Mix Dryer	Used Oil Used by Counterflow Drum Mix Dryer	Initials
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				
31				
Monthly Total				
12 Month Rolling Total[2]				

(1) The **CERTIFICATION OF DATA ACCURACY** statement appearing on the reverse side shall be completed and kept on site for a period of no less than five (5) years and shall be made available to the Director or his or her duly authorized representative upon request.

(2) The Twelve Month Rolling Total shall mean the sum of the amount of grout produced any given time during the previous twelve (12) consecutive calender months**. Maximum permitted 12-month rolling total of fuel used by the counterflow drum mixer burner: 291.83 x 10^6 standard cubic feet per year of natural gas, 9.52 x 10^6 gallons per year of No. 2 fuel oil; or 9.94 x 10^6 gallons per year of used oil.**

APPENDIX C

Certified Natural Gas Consumption of Asphalt Heater AH1
Camden Materials, LLC – Parkersburg Plant #31
COMPANY ID NO. 107-00004
PERMIT NO. R13-0280C

Month _____ Year _____

Day of Month	Natural Gas Used by Asphaltic Cement Heater AH1	Initials
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
Monthly Total		
12 Month Rolling Total[2]		

(1) The **CERTIFICATION OF DATA ACCURACY** statement appearing on the reverse side shall be completed and kept on site for a period of no less than five (5) years and shall be made available to the Director or his or her duly authorized representative upon request.

(2) The Twelve Month Rolling Total shall mean the sum of the amount of grout produced any given time during the previous twelve (12) consecutive calender months. **Maximum permitted 12-month rolling total natural gas usage by heater AH1 is 11.826 x 10^6 standard cubic feet per year.**

APPENDIX D

[Weekly/ Monthly/Quarterly] Opacity Record
Camden Materials, LLC – Parkersburg Plant #31
COMPANY ID NO. 107-00004
PERMIT NO. R13-0280C

Date of Observation:_____
Date Entered by:_____
Reviewed by: _____
Date Reviewed:_____
Describe the General Weather Conditions:_____

Emission Point ID	Description of Emission Point	Time of Observation	Visible Emissions (Yes/No)	Consecutive Months of Visible Emission	Comments

CERTIFICATION OF DATA ACCURACY

I, the undersigned, hereby certify that, based on information and belief formed after reasonable inquiry, all information contained in the attached _____, representing the period beginning _____ and ending _____, and any supporting documents appended hereto, is true, accurate, and complete.

Signature[1] ....
(please use blue ink) Responsible Official or Authorized Representative Date

Name and Title ....
(please print or type) Name Title

Telephone No. ..... Fax No. .....

[1] This form shall be signed by a "Responsible Official." "Responsible Official" means one of the following:

a. For a corporation: The president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision-making functions for the corporation, or a duly authorized representative of such person if the representative is responsible for the overall operation of one or more manufacturing, production, or operating facilities applying for or subject to a permit and either:

(i) the facilities employ more than 250 persons or have a gross annual sales or expenditures exceeding $25 million (in second quarter 1980 dollars), or

(ii) the delegation of authority to such representative is approved in advance by the Director;

b. For a partnership or sole proprietorship: a general partner or the proprietor, respectively;

c. For a municipality, State, Federal, or other public entity: either a principal executive officer or ranking elected official. For the purposes of this part, a principal executive officer of a Federal agency includes the chief executive officer having responsibility for the overall operations of a principal geographic unit of the agency (e.g., a Regional Administrator of USEPA); or

d. The designated representative delegated with such authority and approved in advance by the Director.