

West Virginia Department of Environmental Protection

*Austin Caperton
Cabinet Secretary*

Permit to Construct



R13-3395-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, Permission to Commence Construction, and Procedures for Evaluation. The permittee identified at the above-referenced facility is authorized to construct the stationary sources of air pollutants identified herein in accordance with all terms and conditions of this permit.

Issued to:

**Southern West Virginia Asphalt, Inc.
Ravenswood Plant #61
035-00065**

*William F. Durham
Director, Division of Air Quality*

*Issued: **DRAFT** • Effective: **DRAFT***

This permit will supercede and replace Permit R13-[#####]. *Not Applicable*

Facility Location: Ravenswood, Jackson County, West Virginia
Mailing Address: 2950 Charles Avenue, Dunbar, West Virginia 25064
Facility Description: Hot Mix Asphalt Plant
NAICS Codes: 324121
UTM Coordinates: 433.620 km Easting • 4,311.490 km Northing • Zone 17
Permit Type: Construction
Description of Change: Applicant proposes to construct and operate a Hot Mix Asphalt Plant to include a portable fractionated reclaimed asphalt pavement (FRAP) processing system.

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 and is classified as a deferred source.

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1.0. Emission Units

Equipment ID No.	Emission Point ID	Description	Installation / Modification Date	Maximum Capacity		Control Device ¹
FRAP System						
F-H1	F-H1	FRAP Feed Hopper	2018	200 tons/hr	50,000 tons/yr	PE
F-BC1	F-BC1	FRAP Belt Conveyor	2018	200 tons/hr	50,000 tons/yr	PE
F-S1	F-S1	FRAP Screen - ASTEC PEP	2018	200 tons/hr	50,000 tons/yr	FE
F-BC2	F-BC2	FRAP Belt Conveyor	2018	75 tons/hr	18,750 tons/yr	N
F-CR1	F-CR1	FRAP Crusher - KPI-JCI 3136	2018	75 tons/hr	18,750 tons/yr	FE
F-BC3	F-BC3	FRAP Belt Conveyor	2018	200 tons/hr	50,000 tons/yr	N
F-BC4	F-BC4	FRAP Belt Conveyor	2018	200 tons/hr	50,000 tons/yr	N
F-RS1	F-RS1	FRAP Radial Stacker	2018	200 tons/hr	50,000 tons/yr	N
F-ENG1	F-1E	FRAP Engine (John Deere 6068HFC93A-mfg. date 5/17/2013, EPA Interim Tier 4)	2018	9.28 gal/hr	173 hp @ 2,400 rpm	N
HMA System						
H1	H1	Aggregate Hopper - 200 Ton	2018	300 tons/hr	200,000 tons/yr	PE
OS1	OS1	Aggregate Stockpile - 5,000 Ton	2018	300 tons/hr	30,000 tons/yr	N
OS2	OS2	Aggregate Stockpile - 5,000 Ton	2018	300 tons/hr	4,000 tons/yr	N
OS3	OS3	Aggregate Stockpile - 20,000 Ton	2018	300 tons/hr	50,000 tons/yr	N
OS4	OS4	Aggregate Stockpile - 20,000 Ton	2018	300 tons/hr	50,000 tons/yr	N
OS5	OS5	Aggregate Stockpile - 20,000 Ton	2018	300 tons/hr	100,000 tons/yr	N
OS6	OS6	Aggregate Stockpile - 20,000 Ton	2018	300 tons/hr	50,000 tons/yr	N
OS7	OS7	Aggregate Stockpile - 50,000 Ton	2018	300 tons/hr	50,000 tons/yr	N
OS8	OS8	Aggregate Stockpile - 50,000 Ton	2018	300 tons/hr	50,000 tons/yr	N
OS9	OS9	Aggregate Stockpile - 50,000 Ton	2018	300 tons/hr		N
BC1	BC1	Conveyor Belt - Aggregates	2018	300 tons/hr	200,000 tons/yr	N
BC2	BC2	Conveyor Belt - Aggregates	2018	300 tons/hr	200,000 tons/yr	N
RS1	RS1	Radial Stacker - Aggregates	2018	300 tons/hr	200,000 tons/yr	N
B1	B1	Cold Feed Bin - 20 Ton	2018	300 tons/hr	200,000 tons/yr	PE
B2	B2	Cold Feed Bin - 20 Ton	2018	300 tons/hr		PE
B3	B3	Cold Feed Bin - 20 Ton	2018	300 tons/hr		PE
B4	B4	Cold Feed Bin - 20 Ton	2018	300 tons/hr		PE
B5	B5	Cold Feed Bin - 20 Ton	2018	300 tons/hr		PE
BC3	BC3	Collector Conveyor Belt	2018	300 tons/hr	200,000 tons/yr	N
S1	S1	Scalping Screen - ASTEC PSS-2412-60	2018	300 tons/hr	200,000 tons/yr	PE
BC4	BC4	Conveyor Belt - Aggregates	2018	300 tons/hr	200,000 tons/yr	N
SC1	SC1	Screw Conveyor - Baghouse Dust	2018	20 tons/hr	20,000 tons/yr	FE
CFDM1	1E	Counter Flow Drum Mixer - Dillman D-PUCF9050, ASTEC WJ-75-O Burner	2018	300 tons/hr	200 tons/yr	APCD1 & APCD2
B6	B6	RAP Bin - 20 Ton	2018	300 tons/hr	50,000 tons/yr	PE
B7	B7	RAP Bin - 20 Ton	2018	300 tons/hr		PE
BC5	BC5	RAP Conveyor Belt	2018	300 tons/hr	50,000 tons/yr	N
BC6	BC6	RAP Conveyor Belt	2018	300 tons/hr	50,000 tons/yr	N
DL1	DL1	Drag Link Conveyor	2018	300 tons/hr	200,000 tons/yr	FE
DL2	DL2	Drag Link Conveyor	2018	300 tons/hr	200,000 tons/yr	FE
BS1	BS1	HMA Storage Silo - 200 Ton	2018	200 tons	200,000 tons/yr	FE
BS2	BS2	HMA Storage Silo - 200 Ton	2018	200 tons		FE
Tanks						
T1	T1	Asphalt Storage Tank	2018	30,000 gal	2,800,000 gal/yr	N
T2	T2	Fuel Storage Tank – #2 fuel oil	2018	1,000 gal	20,400 gal/yr	N
AH1	2E	Asphalt Heater – Natural Gas	2018	1,350 scf/hr	7,560 hrs/yr	N

¹ FE - Full Enclosure; PE - Partial Enclosure; N – None; APCD1 – Inertial Separator; APCD2 – ASTEC PEBH-52

2.0. General Conditions

2.1. Definitions

- 2.1.1. 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.
- 2.1.2. The “Clean Air Act” means those provisions contained in 42 U.S.C. §§ 7401 to 7671q, and regulations promulgated thereunder.
- 2.1.3. “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.

2.2. Acronyms

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	PM₁₀	Particulate Matter less than 10μm in diameter
CO	Carbon Monoxide	Ppb	Pounds per Batch
C.S.R. or CSR	Codes of State Rules	Pph	Pounds per Hour
DAQ	Division of Air Quality	Ppm	Parts per Million
DEP	Department of Environmental Protection	Ppmv or ppmv	Parts per Million by Volume
dscm	Dry Standard Cubic Meter	PSD	Prevention of Significant Deterioration
FOIA	Freedom of Information Act	Psi	Pounds per Square Inch
HAP	Hazardous Air Pollutant	SIC	Standard Industrial Classification
HON	Hazardous Organic NESHAP	SIP	State Implementation Plan
HP	Horsepower	SO₂	Sulfur Dioxide
lbs/hr	Pounds per Hour	TAP	Toxic Air Pollutant
LDAR	Leak Detection and Repair	TPY	Tons per Year
M	Thousand	TRS	Total Reduced Sulfur
MACT	Maximum Achievable Control Technology	TSP	Total Suspended Particulate
MDHI	Maximum Design Heat Input	USEPA	United States Environmental Protection Agency
MM	Million	UTM	Universal Transverse Mercator
MMBtu/hr or mmbtu/hr	Million British Thermal Units per Hour	VEE	Visual Emissions Evaluation
MMCF/hr or mmcf/hr	Million Cubic Feet per Hour	VOC	Volatile Organic Compounds
NA	Not Applicable	VOL	Volatile Organic Liquids
NAAQS	National Ambient Air Quality Standards		
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:

- 2.3.1. 45CSR13 – *Permits for Construction, Modification, Relocation and Operation of Stationary Sources of Air Pollutants, Notification Requirements, Temporary Permits, General Permits and Procedures for Evaluation;*

2.4. Term and Renewal

- 2.4.1. This Permit shall remain 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

- 2.5.1. The permitted facility shall be constructed and operated in accordance with the plans and specifications filed in Permit Application R13-3395, 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.]
- 2.5.2. The permittee must comply with all conditions of this permit. Any permit noncompliance constitutes a violation of the West Virginia Code and the Clean Air Act and is grounds for enforcement action by the Secretary or USEPA;
- 2.5.3. Violations of any of the conditions contained in this permit, or incorporated herein by reference, 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;
- 2.5.4. Approval of this permit does not relieve the permittee herein of the responsibility to apply for and 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

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

- 2.12.2. Effect of any emergency. An emergency constitutes an affirmative defense to an action brought for noncompliance with such technology-based emission limitations if the conditions of Section 2.12.3 are met.
- 2.12.3. The affirmative defense of emergency shall be demonstrated through properly signed, 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.
- 2.12.4. In any enforcement proceeding, the permittee seeking to establish the occurrence of an emergency has the burden of proof.
- 2.12.5. The provisions of this section are in addition to any emergency or upset provision contained in any 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

3.1. Limitations and Standards

- 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.]

3.2. Monitoring Requirements

[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]

3.4. Recordkeeping Requirements

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

- 3.4.2. **Odors.** For the purposes of 45CSR4, the permittee shall maintain a record of all odor complaints received, any investigation performed in response to such a complaint, and any responsive action(s) taken.
[45CSR§4. State Enforceable Only.]

3.5. Reporting Requirements

- 3.5.1. **Responsible official.** Any application form, report, or compliance certification required by this permit 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.
- 3.5.2. **Confidential information.** A permittee may request confidential treatment for the submission of reporting required by this permit pursuant to the limitations and procedures of W.Va. Code § 22-5-10 and 45CSR31.
- 3.5.3. **Correspondence.** All notices, requests, demands, submissions and other communications required 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 or by private carrier with postage prepaid to the address(es), or submitted in electronic format by email as set forth below or to such other person or address as the Secretary of the Department of Environmental Protection may designate:

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

DAQ Compliance and Enforcement¹:
DEPAirQualityReports@wv.gov

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

¹For all self-monitoring reports (MACT, GACT, NSPS, etc.), stack tests and protocols, Notice of Compliance Status Reports, Initial Notifications, etc.

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.

- 3.5.4.2. In accordance with 45CSR30 – Operating Permit Program, enclosed with this permit is a Certified Emissions Statement (CES) Invoice, from the date of initial startup through the following June 30. Said invoice and the appropriate fee shall be submitted to this office no later than 30 days prior to the date of initial startup. For any startup date other than July 1, the permittee shall pay a fee or prorated fee in accordance with Section 4.5 of 45CSR22. A copy of this schedule may be found attached to the Certified Emissions Statement (CES) Invoice.
- 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. The facility shall operate one Dillman D-PUCF9050 hot mix asphalt plant, which includes associated stockpiles, bins, storage vessels, belt conveyors, counterflow drum dryer, and asphaltic cement heater. The operation of this plant shall not exceed the following maximum operational and emission limitations:
- a. The maximum production rate of hot mix asphalt (HMA) shall not exceed 200,000 tons per year, based on a 12 month rolling total;
 - b. The permissible fuels to be used for the burners (ASTEC WJ-75-O), associated with the plant dryer, shall be natural gas only;
 - c. The permissible fuels to be used for the burners (AH1), associated with the asphalt cement heater, shall be natural gas only;
 - d. The maximum amount of material processed by the double deck scalping screen (ASTEC PSS-2412-60) shall not exceed 200,000 tons per year, based on a 12 month rolling total;
 - e. Particulate matter emissions from the stack venting from the baghouse used to control particulate matter emissions from the dryer shall not exceed 17.91 pounds per hour or 0.04 grains per dry standard cubic feet, whichever is more stringent.
[45CSR§3-3.1. and 40CFR§60.92(a)(1)]
 - f. No gases discharged from the stack (Emission Point 1E) venting (the baghouse shall exhibit 20 percent opacity, or greater.
[45CSR§3-3.1 and 40CFR§60.92(a)(2)]
 - g. No gases discharged from the stack (Emission Point 2E) venting (the asphalt heater shall exhibit 10 percent opacity, or greater.
[45CSR§2-3.1]
 - h. Only during start-up or shut-down the CFDM1, visible emissions from Emission Point 1E shall be less than 40 percent for a period of six minutes per start-up or shutdown. Compliance shall be based on six minute averages using Method 9.
[45CSR§3-3.2]
 - i. Particulate emissions from the hot elevator, screen deck, hot bins, weigh box, and pugmill shall be controlled by appropriate hooding, enclosure, etc., and ducted such that generated emissions are directed to subject baghouse per Condition 4.1.1.f. of this permit.
[45CSR§3-4.5]
- 4.1.2. **Fractionated Relcained Asphalt Pavement.** The facility shall employ 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 FRAP plant shall not process more than 50,000 tons of RAP per year, based on a 12 month rolling total;
 - b. Particulate matter emissions discharged from the FRAP crushing and screening units shall not exceed 1.08 pounds per hour and 0.14 tons per year;

- c. The crusher shall not discharge fugitive emissions into the atmosphere greater than 12 percent opacity;
[40CFR§60.672(b)]
 - d. Fugitive emission from the transfer points on the belt conveyors shall not discharge fugitive emissions into the atmosphere greater than 7 percent opacity;
[40CFR§60.672(b)]
 - e. Partial enclosures shall be installed and maintained to minimize fugitive emissions from the associated transfer points; and
[45CSR§7-5.1]
 - f. A full enclosure shall be installed and maintained to minimize fugitive emission from the crusher.
[45CSR§7-5.1]
- 4.1.3. The permittee shall maintain a functional water truck and shall utilize the 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.

- 4.1.4. **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.
[40CFR§60.4204(b)]
- 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.]

4.2. Monitoring Requirements

- 4.2.1. For the purpose of determining compliance with counter-flow drum mixer maximum throughput and emission limits set forth in 4.1.1., 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.
- 4.2.2. For the purpose of determining compliance FRAP maximum throughput and emission limits set forth in 4.1.2., 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.

- 4.2.3. For the purpose of determining compliance with the counter-flow drum mixer fuel usage and emission limits set forth in 4.1.1.b., the permittee shall maintain monthly records of the natural gas 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 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
- 4.2.5. **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. Except as specified in paragraphs (a)(1),(a)(2), (a)(3), and (a)(4) of this section, within 60 days after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days after initial startup of such facility, or at such other times specified by this part, and at such other times as may be required by the Administrator under section 114 of the Act, the owner or operator of such facility shall conduct performance test(s) and furnish the Administrator a written report of the results of such performance test(s).
[40CFR§60.8(a)]
- (a) In conducting the performance tests required in §60.8, the owner or operator shall use as reference methods and procedures the test methods in appendix A of this part or other methods and procedures as specified in this section, except as provided in §60.8(b).

- (b) The owner or operator shall determine compliance with the particulate matter standards in §60.92 as follows:
 - (1) Method 5 shall be used to determine the particulate matter concentration. The sampling time and sample volume for each run shall be at least 60 minutes and 0.90 dscm (31.8 dscf).
 - (2) For the purposes of demonstrating initial compliance with opacity limitations in condition 4.1.1.e., 4.1.2.c. and 4.1.2.d., Method 9 and the procedures in §60.11 shall be used to determine opacity.

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 the maximum hot mix asphalt process rate design capacity limitation and maximum hot mix asphalt yearly production rate limitation of Condition 4.1.1., the permittee shall maintain daily records of hot mix asphalt production, hours of operation, utilizing copies of Attachment A - Daily Hot Mix Asphalt Production and Hours of Operation (or a similar form containing the same information). Such records shall be maintained in accordance with Condition 3.4.1. Compliance with the maximum hot mix asphalt yearly production rate limitation shall be determined using a rolling yearly total. A rolling yearly total shall mean the tonnage of hot mix asphalt produced at any given time for the previous twelve (12) consecutive calendar months.
- 4.4.5. The permittee shall maintain records of all monitoring data required by Section 4.2.1. and 4.2.2. 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 B. 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. 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.

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.
[40CFR§60.676(f)]

APPENDIX A

Certified Daily / Monthly HMA and FRAP Production¹
Southern West Virginia Asphalt, Inc. – Ravenswood Plant #61
COMPANY ID NO. 035-00065
PERMIT NO. R13-3395

Month _____ Year _____

Day of Month	Hours Operated	HMA processed (tons)	FRAP processed (tons)	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 Total²				

- (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 calendar months.
Maximum permitted 12-month rolling total throughput is 50,000 tons per year of FRAP and 200,000 tons per year of HMA.

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.

Signature¹ _____
(please use blue ink) Responsible Official or Authorized Representative Date

Name & 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 U.S. EPA); or
 - d. The designated representative delegated with such authority and approved in advance by the Director.