PERMIT NO. 2951-223-00025-S-03-0
ISSUANCE DATE:

GEORGIA
DEPARTMENT OF NATURAL RESOURCES

ENVIRONMENTAL PROTECTION DIVISION

Air Quality Permit

In accordance with the provisions of the Georgia Air Quality Act, O.C.G.A. Section 12-9-1, et seq and the Rules, Chapter 391-3-1, adopted pursuant to and in effect under that Act,

Facility Name:	**C.W. Matthews Contracting Co., Inc. Plant #CWM62**
Facility Address:	**3513 Mulberry Road** **Dallas, Georgia 30132 (Paulding County)**
Mailing Address:	**1600 Kenview Drive** **Marietta, Georgia 30061**
Facility AIRS Number:	**04-13-223-00025**

is issued a Permit for the following:

The construction and operation of a new asphalt plant to replace the existing plant. This Permit is issued for the purpose of establishing practically enforceable emission limitations such that the facility will not be considered a major source with respect to Title V of the Clean Air Act Amendments of 1990.

This Permit is conditioned upon compliance with all provisions of The Georgia Air Quality Act, O.C.G.A. Section 12-9-1, et seq, the Rules, Chapter 391-3-1, adopted and in effect under that Act, or any other condition of this Permit.

This Permit may be subject to revocation, suspension, modification or amendment by the Director for cause including evidence of noncompliance with any of the above; or for any misrepresentation made in Application No. 28697 dated January 25, 2023; any other applications upon which this Permit is based; supporting data entered therein or attached thereto; or any subsequent submittals or supporting data; or for any alterations affecting the emissions from this source.

This Permit is further subject to and conditioned upon the terms, conditions, limitations, standards, or schedules contained in or specified on the attached **8** pages.

STATE OF GEORGIA
CONSTITUTION
WISDOM
JUSTICE
MODERATION
1776

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Richard E. Dunn, Director
Environmental Protection Division

1. General Requirements

1.1 At all times, including periods of startup, shutdown, and malfunction, the Permittee shall maintain and operate this source, including associated air pollution control equipment, in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Division which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection or surveillance of the source.

1.2 The Permittee shall not build, erect, install or use any article, machine, equipment or process the use of which conceals an emission which would otherwise constitute a violation of an applicable emission standard. Such concealment includes, but is not limited to, the use of gaseous diluents to achieve compliance with an opacity standard or with a standard that is based on the concentration of a pollutant in the gases discharged into the atmosphere.

1.3 The Permittee shall submit a Georgia Air Quality Permit application to the Division prior to the commencement of any modification, as defined in 391-3-1-.01(pp), which may result in air pollution and which is not exempt under 391-3-1-.03(6). Such application shall be submitted sufficiently in advance of any critical date involved to allow adequate time for review, discussion, or revision of plans, if necessary. The application shall include, but not be limited to, information describing the precise nature of the change, modifications to any emission control system, production capacity and pollutant emission rates of the plant before and after the change, and the anticipated completion date of the change.

1.4 Unless otherwise specified, all records required to be maintained by this Permit shall be recorded in a permanent form suitable for inspection and submission to the Division and shall be retained for at least five (5) years following the date of entry.

1.5 In cases where conditions of this Permit conflict with each other for any particular source or operation, the most stringent condition shall prevail.

2. Allowable Emissions

2.1 The Permittee shall comply with all the applicable provisions of the New Source Performance Standards (NSPS), 40 CFR 60 Subpart A – "General Provisions" and 40 CFR 60 Subpart I – "Standards of Performance for Hot Mix Asphalt Facilities." Specifically, the Permittee shall not discharge or cause the discharge into the atmosphere from this source any emissions which: [40 CFR 60.92]

a. Contain particulate matter in excess of 90 mg/dscm (0.04 gr/dscf).

b. Exhibit 20 percent opacity, or greater.

2.2 The Permittee shall limit the firing of fuel oil such that the total uncontrolled emissions of sulfur dioxide (SO_2) could not equal or exceed 100 tons during any 12 consecutive months. This requirement shall be met by adhering to the following operational limits:
[Avoidance of 40 CFR Part 70]

a. The sulfur content of fuel oil, on-spec used oil or recycled fuel oil (RFO) burned in the facility shall not exceed 1.0 weight percent.

b. The total consumption of fuel oil, on-spec used oil or recycled fuel oil (RFO) shall not exceed 800,000 gallons during any 12 consecutive months.

2.3 The Permittee shall limit the production of asphalt to 600,000 tons during any 12 consecutive months.
[Avoidance of 40 CFR Part 70]

2.4 The Permittee shall only fire fuel oil including on-spec used oil or recycled fuel oil (RFO) in the drum burner.
[Avoidance of 40 CFR Part 70]

2.5 In accordance with the provisions of 40 CFR Part 279 – Standards for the Management of Used Oil, Subpart B – Applicability, Section 279.11 – Used oil specifications, the fuels produced from used oil by processing, blending, or other treatment may be used, provided the constituents and properties in the specification shown below are not exceeded:

Constituent	**Allowable Level**
Arsenic	5 ppm maximum
Cadmium	2 ppm maximum
Chromium	10 ppm maximum
Lead	100 ppm maximum
Total Halogens	1000 ppm maximum
Flash Point	100 degrees F minimum
PCBs	50 ppm maximum

Used oil, which does not meet these specifications, is considered "off-specification" used oil and **shall not be burned in the drum burner**. Off-specification used oil **may not be diluted or blended** in order to meet these specifications.

2.6 The Permittee shall not cause, let, suffer, permit or allow the emissions into the atmosphere from any stack, unless otherwise limited, including the hot oil heater stack, any gases the opacity of which is equal to or greater than 40 percent.
[391-3-1-.02(2)(b)1]

3. Fugitive Emissions

3.1 The Permittee shall take all reasonable precautions to prevent fugitive dust from becoming airborne from any operation, process, handling, and transportation or storage facility. The opacity from any fugitive dust source shall not equal or exceed twenty percent. Reasonable precautions that should be taken to prevent dust from becoming airborne include, but are not limited to, the following:
[391-3-1-.02(2)(n)]

a. Use, where possible, of water or chemicals for control of dust in the demolition of existing buildings or structures, construction operations, the grading of roads or the clearing of land.

b. Application of asphalt, water, or suitable chemicals on dirt roads, materials, stockpiles, and other surfaces that can give rise to airborne dusts;

c. Installation and use of hoods, fans, and fabric filters to enclose and vent the handling of dusty materials. Adequate containment methods can be employed during sandblasting or other similar operations;

d. Covering, at all times when in motion, open-bodied trucks, transporting materials likely to give rise to airborne dust; and

e. The prompt removal of earth or other material from paved streets onto which earth or other material has been deposited.

4. Process & Control Equipment

4.1 Routine maintenance shall be performed on all air pollution control equipment. Maintenance records shall be in a form suitable for inspection or submittal to the Division and shall be maintained for a period of five (5) years from date of entry.
[391-3-1-.02(6)(b)1 and 391-3-1-.03(2)(c)]

4.2 The Permittee shall maintain an inventory of filter bags such that an adequate supply of bags is on hand to replace any defective bags in the dryer baghouse and/or lime silo baghouse.
[391-3-1-.02(6)(b)1 and 391-3-1-.03(2)(c)]

4.3 The Permittee shall implement a Preventive Maintenance Program for the baghouses. At a minimum, the following operation and maintenance checks shall be made and a record of the findings and corrective actions taken shall be kept in a maintenance log:
[391-3-1-.02(6)(b)1]

a. Record the pressure drop across the dryer baghouse and ensure that it is within the filter manufacturer's recommended pressure drop to indicate compliance. This check shall occur at least once per operating day.

b. Check the baghouses for proper operation on a weekly basis.

i. For baghouses equipped with compressed air cleaning systems, check the system for proper operation. This may include checking for low pressure, leaks, proper lubrication, and proper operation of timer and valves.

ii. For baghouses equipped with reverse air cleaning systems, check the system for proper operation. This may include checking damper, bypass, and isolation valves for proper operation.

iii. For baghouses equipped with shaker cleaning systems, check the system for proper operation. This may include checking shaker mechanism for loose or worn bearings, drive components, mounting; proper operation of outlet/isolation valves; proper lubrication.

c. Check dust collector hoppers and conveying systems for proper operation, on a weekly basis.

d. For the lime silo bin vent baghouse, if any, the Permittee shall assure that no visible emissions are exhausting from the silo or a bin vent each time it is being filled.

5. Monitoring

5.1 Any monitoring system installed by the Permittee shall be in continuous operation except during calibration checks, zero, and span adjustments or repair. Maintenance or repair shall be conducted in the most expedient manner to minimize the period during which the system is out of service.
[391-3-1-.02(6)(b)1]

5.2 The Permittee shall install, calibrate, operate, and maintain pressure drop and temperature indicators on the dryer baghouse.
[391-3-1-.02(6)(b)1]

5.3 The Permittee shall read and record dryer baghouse temperature at least once per operating day. A logbook containing these records shall be available for inspection and/or submittal to the Division upon request.
[391-3-1-.02(6)(b)1 and 391-3-1-.03(2)(c)]

5.4 The Permittee shall verify that the sulfur content of each shipment of fuel oil received for combustion in the drum burner does not exceed the limit contained in Condition 2.2(a). Verification shall consist of either of the following:
[391-3-1-.02(6)(b)1(i)]

a. Fuel oil receipts obtained from the fuel supplier certifying the sulfur content of the oil is 1 percent or less by weight; or

b. Analysis of the fuel oil conducted by methods of sampling and analysis, which have been specified or approved by the Division. The sample(s) shall be obtained and analyzed using the following methods:

i. The procedures described in U.S. Environmental Protection Agency document EPA600/2-80-018 (Samplers and Sampling Procedures for Hazardous Waste Streams) shall be used to obtain the sample.

ii. Method 6010B, contained in the SW-846 methods manual of U.S. Environmental Protection Agency's Office of Solid Waste, shall be used to determine concentrations of arsenic, cadmium, chromium, and lead.

iii. SW-846 Method 9077 C shall be used to determine total halogens.

iv. ASTM D 93 shall be used to determine flash point.

v. Polychlorinated Biphenyls (PCB) shall be determined using the test method described in U.S. Environmental Protection Agency Document EPA-600/4-81-045 (The Determination of Polychlorinated Biphenyls in Transformer Fluid and Waste Oil).

6. Performance Testing

6.1 The Permittee shall cause to be conducted a performance test at any specified emission point when so directed by the Division. The following provisions shall apply with regard to such tests:

a. All tests shall be conducted, and data reduced in accordance with applicable procedures and methods specified in the Division's Procedures for Testing and Monitoring Sources of Air Pollutants.

b. All test results shall be submitted to the Division within sixty (60) days of the completion of testing.

c. The Permittee shall provide the Division thirty (30) days prior written notice of the date of any performance test(s) to afford the Division the opportunity to witness and/or audit the test and shall provide with the notification a test plan in accordance with Division guidelines.

d. All monitoring systems and/or monitoring devices required by the Division shall be installed, calibrated and operational prior to conducting any performance test(s). For any performance test, the Permittee shall, using the monitoring systems and/or monitoring devices, acquire data during each performance test run. All monitoring system and/or monitoring device data acquired during the performance testing shall be submitted with the performance test results.

6.2 In accordance with the provisions of 40 CFR 60.8, within 60 days after achieving the maximum production rate at which the source will be operating, but no later than 180 days after the initial startup, the Permittee shall conduct particulate matter and visible emissions performance tests on the emissions from the dryer baghouse, in order to demonstrate compliance with the emissions limits in Condition 2.1, and shall submit a written report of the results of the performance tests. The tests shall be conducted at the maximum anticipated production rate. Following the initial performance testing, the Permittee shall conduct PM and visible emissions tests on the dryer baghouse at 48-month intervals.
[40 CFR 60.8(a), 391-3-1-.02(3), and 391-3-1-.03(2)(c)]

6.3 Should production rates increase above the rates at which the acceptable performance tests were made, the Division may require that the dryer be re-tested for compliance at a higher production rate.
[391-3-1-.02(6)(b)1 and 391-3-1-.03(2)(c)]

7. Notification, Reporting and Record Keeping Requirements

7.1 The Permittee shall furnish the Division written notification of the actual date that the hot mix asphalt plant becomes operational, within 15 days after such date. For the purpose of this permit, "operational" shall mean that the source has been properly installed and is capable of proper operation for the purpose intended.
[391-3-1-.02(6)(b)]

7.2 The Permittee shall retain operational records on all fuel burning equipment for five years after the date and year of record. The records shall be available for inspection and/or submittal to the Division and contain:
[391-3-1-.02(6)(b)1 and 391-3-1-.03(2)(c)]

a. A log of the monthly total production of asphalt (in tons). The total asphalt production for the previous 11 consecutive months must be included in each month's log.

b. A log of the monthly total usage of fuel oil including on-spec used oil/recycled fuel oil (RFO). The total gallons of fuel oil used during the previous 11 consecutive months must be included in each month's log.

c. Fuel oil supplier certifications for each shipment of fuel oil verifying that the sulfur content of the oil does not exceed 1.0 percent by weight or

d. Analysis of the fuel oil burned. The analysis shall include such properties as heating value, sulfur content, and/other properties specified by the Division. Fuel sampling, analysis frequency and methods shall be approved by the Division.

e. Records of fuel analyses for each shipment of used oil delivered, showing it meets the specifications listed in Condition 2.5.

7.3 The Permittee shall maintain a file of all measurements, including continuous monitoring system, monitoring device, and performance testing measurements; all continuous monitoring system performance evaluations; all continuous monitoring system or monitoring device calibration checks; adjustments and maintenance performed on these systems or devices; and all other information required by this part recorded in a permanent form suitable for inspection. The file shall be retained for at least five years following the date of such measurements, maintenance, reports, and records.
[391-3-1-.02(6)(b)1]

7.4 The Permittee shall notify the Division in writing, within 15 days, if any of the limits in Conditions 2.2 or 2.3 are exceeded or if any off specification used oil is fired drum burner or hot oil heater.
[391-3-1-.02(6)(b)1 and 391-3-1-.03(2)(c)]

8. Special Conditions

8.1 At any time that the Division determines that additional control of emissions from the facility may reasonably be needed to provide for the continued protection of public health, safety and welfare, the Division reserves the right to amend the provisions of this Permit pursuant to the Division's authority as established in the Georgia Air Quality Act and the rules adopted pursuant to that Act.

8.2 The Permittee shall calculate and pay an annual Permit fee to the Division. The amount of the fee shall be determined each year in accordance with the "Procedures for Calculating Air Permit Application & Annual Permit Fees."

8.3 The Permittee shall keep at the permitted facility, the originals or complete copies of this Air Quality Permit, and any future Amendments to this Permit.
[391-3-1-.03(2)(c)]

8.4 All Georgia Air Quality Permits previously issued to this facility, including Air Quality Permit No. 2951-223-0025-S-02-0, are hereby revoked in their entirety.

8.5 The permittee shall not operate the existing plant permitted under permit number 2951-233-0025-S-02-0 upon starting operation of the new plant. The existing plant shall permanently cease operation. The permittee shall provide a written notification that the existing plant has ceased operations.