

**MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY  
AIR QUALITY DIVISION**

February 8, 2023

**PERMIT TO INSTALL  
74-86C**

**ISSUED TO  
Central Asphalt, Inc.**

**LOCATED AT  
2290 May Street  
Mount Pleasant, Michigan 48858**

**IN THE COUNTY OF  
Isabella**

**STATE REGISTRATION NUMBER  
B1620**

The Air Quality Division has approved this Permit to Install, pursuant to the delegation of authority from the Michigan Department of Environment, Great Lakes, and Energy. This permit is hereby issued in accordance with and subject to Section 5505(1) of Article II, Chapter I, Part 55, Air Pollution Control, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended. Pursuant to Air Pollution Control Rule 336.1201(1), this permit constitutes the permittee's authority to install the identified emission unit(s) in accordance with all administrative rules of the Department and the attached conditions. Operation of the emission unit(s) identified in this Permit to Install is allowed pursuant to Rule 336.1201(6).

DATE OF RECEIPT OF ALL INFORMATION REQUIRED BY RULE 203: <b>January 24, 2023</b>	
DATE PERMIT TO INSTALL APPROVED: <b>February 8, 2023</b>	SIGNATURE:
DATE PERMIT VOIDED:	SIGNATURE:
DATE PERMIT REVOKED:	SIGNATURE:

**PERMIT TO INSTALL**

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## COMMON ACRONYMS

AQD	Air Quality Division
BACT	Best Available Control Technology
CAA	Clean Air Act
CAM	Compliance Assurance Monitoring
CEMS	Continuous Emission Monitoring System
CFR	Code of Federal Regulations
COMS	Continuous Opacity Monitoring System
Department/department/EGLE	Michigan Department of Environment, Great Lakes, and Energy
EU	Emission Unit
FG	Flexible Group
GACS	Gallons of Applied Coating Solids
GC	General Condition
GHGs	Greenhouse Gases
HVLP	High Volume Low Pressure*
ID	Identification
IRSL	Initial Risk Screening Level
ITSL	Initial Threshold Screening Level
LAER	Lowest Achievable Emission Rate
MACT	Maximum Achievable Control Technology
MAERS	Michigan Air Emissions Reporting System
MAP	Malfunction Abatement Plan
MSDS	Material Safety Data Sheet
NA	Not Applicable
NAAQS	National Ambient Air Quality Standards
NESHAP	National Emission Standard for Hazardous Air Pollutants
NSPS	New Source Performance Standards
NSR	New Source Review
PS	Performance Specification
PSD	Prevention of Significant Deterioration
PTE	Permanent Total Enclosure
PTI	Permit to Install
RACT	Reasonable Available Control Technology
ROP	Renewable Operating Permit
SC	Special Condition
SCR	Selective Catalytic Reduction
SNCR	Selective Non-Catalytic Reduction
SRN	State Registration Number
TBD	To Be Determined
TEQ	Toxicity Equivalence Quotient
USEPA/EPA	United States Environmental Protection Agency
VE	Visible Emissions

\*For HVLP applicators, the pressure measured at the gun air cap shall not exceed 10 psig.

### POLLUTANT / MEASUREMENT ABBREVIATIONS

acfm	Actual cubic feet per minute
BTU	British Thermal Unit
°C	Degrees Celsius
CO	Carbon Monoxide
CO <sub>2</sub> e	Carbon Dioxide Equivalent
dscf	Dry standard cubic foot
dscm	Dry standard cubic meter
°F	Degrees Fahrenheit
gr	Grains
HAP	Hazardous Air Pollutant
Hg	Mercury
hr	Hour
HP	Horsepower
H <sub>2</sub> S	Hydrogen Sulfide
kW	Kilowatt
lb	Pound
m	Meter
mg	Milligram
mm	Millimeter
MM	Million
MW	Megawatts
NMOC	Non-Methane Organic Compounds
NO <sub>x</sub>	Oxides of Nitrogen
ng	Nanogram
PM	Particulate Matter
PM10	Particulate Matter equal to or less than 10 microns in diameter
PM2.5	Particulate Matter equal to or less than 2.5 microns in diameter
pph	Pounds per hour
ppm	Parts per million
ppmv	Parts per million by volume
ppmw	Parts per million by weight
psia	Pounds per square inch absolute
psig	Pounds per square inch gauge
scf	Standard cubic feet
sec	Seconds
SO <sub>2</sub>	Sulfur Dioxide
TAC	Toxic Air Contaminant
Temp	Temperature
THC	Total Hydrocarbons
tpy	Tons per year
µg	Microgram
µm	Micrometer or Micron
VOC	Volatile Organic Compounds
yr	Year

## GENERAL CONDITIONS

1. The process or process equipment covered by this permit shall not be reconstructed, relocated, or modified, unless a Permit to Install authorizing such action is issued by the Department, except to the extent such action is exempt from the Permit to Install requirements by any applicable rule. **(R 336.1201(1))**
2. If the installation, construction, reconstruction, relocation, or modification of the equipment for which this permit has been approved has not commenced within 18 months, or has been interrupted for 18 months, this permit shall become void unless otherwise authorized by the Department. Furthermore, the permittee or the designated authorized agent shall notify the Department via the Supervisor, Permit Section, Air Quality Division, Michigan Department of Environment, Great Lakes, and Energy, P.O. Box 30260, Lansing, Michigan 48909-7760, if it is decided not to pursue the installation, construction, reconstruction, relocation, or modification of the equipment allowed by this Permit to Install. **(R 336.1201(4))**
3. If this Permit to Install is issued for a process or process equipment located at a stationary source that is not subject to the Renewable Operating Permit program requirements pursuant to Rule 210 (R 336.1210), operation of the process or process equipment is allowed by this permit if the equipment performs in accordance with the terms and conditions of this Permit to Install. **(R 336.1201(6)(b))**
4. The Department may, after notice and opportunity for a hearing, revoke this Permit to Install if evidence indicates the process or process equipment is not performing in accordance with the terms and conditions of this permit or is violating the Department's rules or the Clean Air Act. **(R 336.1201(8), Section 5510 of Act 451, PA 1994)**
5. The terms and conditions of this Permit to Install shall apply to any person or legal entity that now or hereafter owns or operates the process or process equipment at the location authorized by this Permit to Install. If the new owner or operator submits a written request to the Department pursuant to Rule 219 and the Department approves the request, this permit will be amended to reflect the change of ownership or operational control. The request must include all of the information required by subrules (1)(a), (b), and (c) of Rule 219 and shall be sent to the District Supervisor, Air Quality Division, Michigan Department of Environment, Great Lakes, and Energy. **(R 336.1219)**
6. Operation of this equipment shall not result in the emission of an air contaminant which causes injurious effects to human health or safety, animal life, plant life of significant economic value, or property, or which causes unreasonable interference with the comfortable enjoyment of life and property. **(R 336.1901)**
7. The permittee shall provide notice of an abnormal condition, start-up, shutdown, or malfunction that results in emissions of a hazardous or toxic air pollutant which continue for more than one hour in excess of any applicable standard or limitation, or emissions of any air contaminant continuing for more than two hours in excess of an applicable standard or limitation, as required in Rule 912, to the Department. The notice shall be provided not later than two business days after start-up, shutdown, or discovery of the abnormal condition or malfunction. Written reports, if required, must be filed with the Department within 10 days after the start-up or shutdown occurred, within 10 days after the abnormal condition or malfunction has been corrected, or within 30 days of discovery of the abnormal condition or malfunction, whichever is first. The written reports shall include all of the information required in Rule 912(5). **(R 336.1912)**
8. Approval of this permit does not exempt the permittee from complying with any future applicable requirements which may be promulgated under Part 55 of 1994 PA 451, as amended or the Federal Clean Air Act.
9. Approval of this permit does not obviate the necessity of obtaining such permits or approvals from other units of government as required by law.
10. Operation of this equipment may be subject to other requirements of Part 55 of 1994 PA 451, as amended and the rules promulgated thereunder.

11. Except as provided in subrules (2) and (3) or unless the special conditions of the Permit to Install include an alternate opacity limit established pursuant to subrule (4) of Rule 301, the permittee shall not cause or permit to be discharged into the outer air from a process or process equipment a visible emission of density greater than the most stringent of the following. The grading of visible emissions shall be determined in accordance with Rule 303 (R 336.1303). **(R 336.1301)**
  - a) A six-minute average of 20 percent opacity, except for one six-minute average per hour of not more than 27 percent opacity.
  - b) A visible emission limit specified by an applicable federal new source performance standard.
  - c) A visible emission limit specified as a condition of this Permit to Install.
12. Collected air contaminants shall be removed as necessary to maintain the equipment at the required operating efficiency. The collection and disposal of air contaminants shall be performed in a manner so as to minimize the introduction of contaminants to the outer air. Transport of collected air contaminants in Priority I and II areas requires the use of material handling methods specified in Rule 370(2). **(R 336.1370)**
13. The Department may require the permittee to conduct acceptable performance tests, at the permittee's expense, in accordance with Rule 1001 and Rule 1003, under any of the conditions listed in Rule 1001. **(R 336.2001)**

## EMISSION UNIT SPECIAL CONDITIONS

### EMISSION UNIT SUMMARY TABLE

The descriptions provided below are for informational purposes and do not constitute enforceable conditions.

<b>Emission Unit ID</b>	<b>Emission Unit Description (Including Process Equipment &amp; Control Device(s))</b>	<b>Installation Date / Modification Date</b>	<b>Flexible Group ID</b>
EUHMAPLANT	Hot mix asphalt (HMA) facility including: Aggregate conveyors, Drum Mixer, Fabric filter dust collector	01-15-1993	N/A
EUSILOS	Hot Mix Asphalt (HMA) paving material product storage silos	01-15-1993	N/A

Changes to the equipment described in this table are subject to the requirements of R 336.1201, except as allowed by R 336.1278 to R 336.1291.

**EUHMAPLANT  
 EMISSION UNIT CONDITIONS**

**DESCRIPTION**

Hot mix asphalt (HMA) facility including: Aggregate conveyors, Drum Mixer, Fabric filter dust collector.

**Flexible Group ID:** NA

**POLLUTION CONTROL EQUIPMENT**

Fabric Filter

**I. EMISSION LIMIT(S)**

<b>Pollutant</b>	<b>Limit</b>	<b>Time Period / Operating Scenario</b>	<b>Equipment</b>	<b>Monitoring / Testing Method</b>	<b>Underlying Applicable Requirements</b>
1. PM	0.04 gr/dscf	Hourly	EUHMAPLANT	SC V.2	40 CFR 60, Subparts A & I
2. SO <sub>2</sub> <sup>A</sup>	0.51 lb per MMBtu when burning Fuel Oil #2 or #4	Average over a 24-hour period	EUHMAPLANT	SC V.2	R 336.1205(3)
3. SO <sub>2</sub> <sup>B</sup>	1.58 lb per MMBtu when burning Fuel Oil #5	Hourly	EUHMAPLANT	SC V.2	R 336.1205(3)
4. NO <sub>x</sub>	0.14 lb per MMBtu	Hourly	EUHMAPLANT	SC V.2	R 336.1205(3)
5. Polycyclic Aromatic Hydrocarbon (PAH) <sup>C</sup>	1.2 mg/m <sup>3</sup> corrected to 70°F and 29.92 in. of Hg	Hourly	EUHMAPLANT	SC V.1	R 336.1224, R 336.1225

<sup>A</sup> Based upon 0.48% sulfur content and a heat value of 134,000 Btu/gal

<sup>B</sup> Based upon 1.5% sulfur content and a heat value of 150,000 Btu/gal

<sup>C</sup> Total PAH is defined as the sum of the following compounds: Acenaphthene, Acenaphthylene, Anthanthrene, Anthracene, Benz(a)anthracene, Benzo(a)fluorene, Benzo(b)fluorene, Benzo(c)fluorene, Benzo(a)pyrene, Benzo(e)pyrene, Benzo(b)fluoranthene, Benzo(j)fluoranthene, Benzo(k)fluoranthene, Benzo(ghi)perylene, Chrysene, Cornene, Dibenzo(ah)anthracene, Fluoranthene, Fluorene, Indo(1,2,3-cd)pyrene, perylene, Phenanthrene, Picene, Pyrene and Triphenylene

6. The visible emissions from EUHMAPLANT shall not exceed 5% opacity. **(R 336.1301)**

**II. MATERIAL LIMIT(S)**

1. The permittee shall not burn any Fuel Oil in EUHMAPLANT from December 15<sup>th</sup> through April 15<sup>th</sup>. **(R 336.1224, R 336.1225, R 336.1702)**

2. The permittee shall not burn more than 261,664 gallons per calendar month of fuel oil with 1.5 percent sulfur by weight in EUHMAPLANT. Applicant may burn 3.45 gallons of fuel oil with 0.48 percent sulfur by weight for every gallon of fuel oil with 1.5 percent by weight not burned. **(R 336.1205(3))**
3. The permittee shall not burn more than 8069 gallons per 24 hour period of fuel oil with 1.5 percent sulfur by weight. **(R 336.1205(3))**
4. The permittee shall limit the asphalt mixture process in EUHMAPLANT to a maximum of 50 percent RAP material based on a monthly average. **(R 336.1224, R 336.1225, R 336.1702)**

**III. PROCESS/OPERATIONAL RESTRICTION(S)**

NA

**IV. DESIGN/EQUIPMENT PARAMETER(S)**

1. The permittee shall not operate EUHMAPLANT unless the fabric filter dust collector is installed, maintained, and operated in a satisfactory manner. **(R 336.1205(3), R 336.1910)**
2. The permittee shall install, calibrate, maintain and operate in a satisfactory manner a device to monitor the virgin aggregate feed rate and the RAP feed rate to the EUHMAPLANT. **(R 336.1224, R 336.1225, R 336.1702)**

**V. TESTING/SAMPLING**

Records shall be maintained on file for a period of five years. **(R 336.1201(3))**

1. Verification of emission rates of PAH listed in SC I.5 may be required for continued operation, by testing at owner's expense, in accordance with Department requirements. If required, a complete test plan shall be submitted to the AQD and shall include an averaging time for each PAH. The final plan must be approved by the AQD prior to testing. Verification of emission rates includes the submittal of a complete report of the test results within 120 days of the written requirement for such verification. **(R 336.1225, R 336.2001, R 336.2003, R 336.2004)**
2. Upon the request of the AQD District Supervisor, the permittee shall verify PM, SO<sub>2</sub>, and NO<sub>x</sub> emission rates from EUHMAPLANT by testing at owner's expense, in accordance with Department requirements. Testing shall be performed using an approved EPA Method listed in.

<b>Pollutant</b>	<b>Test Method Reference</b>
PM	40 CFR Part 60, Appendix A; Part 10 of the Michigan Air Pollution Control Rules
NO <sub>x</sub>	40 CFR Part 60, Appendix A
SO <sub>2</sub>	40 CFR Part 60, Appendix A

The hourly emission rate shall be determined by the average of three test runs per the method requirements. An alternate method, or a modification to the approved EPA Method, may be specified in an AQD approved Test Protocol and must meet the requirements of the federal Clean Air Act, all applicable state and federal rules and regulations, and be within the authority of the AQD to make the change. No less than 30 days prior to testing, the permittee shall submit a complete test plan to the AQD Technical Programs Unit and District Office. The AQD must approve the final plan prior to testing, including any modifications to the method in the test protocol that are proposed after initial submittal. The permittee must submit a complete report of the test results to the AQD Technical Programs Unit and District Office within 60 days following the last date of the test. **(R 336.1205, R 336.1224, R 336.1225, R 336.1702, R 336.1902, R 336.2001, R 336.2003, R 336.2004, 40 CFR 52.21(c) & (d))**

**VI. MONITORING/RECORDKEEPING**

Records shall be maintained on file for a period of five years. **(R 336.1201(3))**

1. All required calculations shall be completed in a format acceptable to the AQD District Supervisor by the 15th day of the calendar month, for the previous calendar month, unless otherwise specified in any monitoring/recordkeeping special condition. **(R 336.1201, R 336.1205(3))**
2. The permittee shall monitor emissions and operating information for EUHMAPLANT in accordance with the federal Standards of Performance for New Stationary Sources as specified in 40 CFR Part 60 Subparts A and I. The permittee shall keep records of all source emissions data and operating information on file and make them available upon request. **(40 CFR Part 60 Subparts A & I)**
3. The permittee shall conduct all necessary maintenance and make all necessary attempts to keep all drum mixer/burner and fabric filter dust collector components of EUHMAPLANT maintained and operating in a satisfactory manner at all times. The owner or operator shall maintain a log of all significant maintenance activities conducted and all significant repairs made to EUHMAPLANT. All records shall be kept on file and made available to the Department upon request. **(R 336.1910, R 336.1911)**
4. The permittee shall keep the following records for each calendar month that EUHMAPLANT is operated:
  - a) Identification, type and the amounts (in gallons) of all fuel oils combusted.
  - b) Sulfur content (percent by weight) of all fuel oils being combusted.
  - c) The total amount of asphalt produced.
  - d) The amount of RAP used.
  - e) The calculated average percent of RAP per ton of hot mix asphalt produced.All records shall be kept on file and made available to the Department upon request. **(R 336.1205(3), R 336.1224, R 336.1225, R 336.1301, R 336.1402, R 336.1702)**
5. The permittee shall keep intermittent daily records of the following production information for EUHMAPLANT:
  - a) Identification, type and the amounts (in gallons) of all fuel oils combusted.
  - b) Sulfur content (percent by weight) of all fuel oils being combusted.**(R 336.1205(1)(a), R 336.1205(3), R 336.1224, R 336.1225, R 336.1702)**

**VII. REPORTING**

NA

**VIII. STACK/VENT RESTRICTION(S)**

The exhaust gases from the stacks listed in the table below shall be discharged unobstructed vertically upwards to the ambient air unless otherwise noted:

<b>Stack &amp; Vent ID</b>	<b>Maximum Exhaust Diameter / Dimensions (inches)</b>	<b>Minimum Height Above Ground (feet)</b>	<b>Underlying Applicable Requirements</b>
1. SVHMAPLANT	68 in diameter or 60 x 60	40	R 336.1225, 40 CFR 52.21(c) & (d)

**IX. OTHER REQUIREMENT(S)**

NA

**Footnotes:**

<sup>1</sup> This condition is state only enforceable and was established pursuant to Rule 201(1)(b).

<b>EUSILOS EMISSION UNIT CONDITIONS</b>
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**DESCRIPTION**

Hot Mix Asphalt (HMA) paving material product storage silos

**Flexible Group ID:** NA

**POLLUTION CONTROL EQUIPMENT**

Load-out Emission Controls

**I. EMISSION LIMIT(S)**

1. There shall be no visible emissions from the truck loading operation and storage silos. **(R 336.1301)**

**II. MATERIAL LIMIT(S)**

NA

**III. PROCESS/OPERATIONAL RESTRICTION(S)**

1. The permittee shall not operate EUSILOS unless the emission capture system for the top of each storage silo is installed, maintained, and operated in a satisfactory manner. **(R 336.1224)**
2. The permittee shall not operate EUSILOS unless emissions from the load-out area are properly captured and controlled. Unless otherwise specified by the District Supervisor, proper capture includes enclosing the truck load-out area with sides that extend to five feet above the top of the road grade at the entrance to the scale and, if appropriate, include wind blocking for entrance and exit points. If the load-out area inadequately captures and controls load-out emissions, the permittee shall modify the system or operation as requested by the District Supervisor. The permittee shall vent emissions collected from the truck load-out area into a filtering system or shall control the emissions by equivalent means. Any plans considered by the permittee as equivalent means shall be pre-approved in writing by the District Supervisor. The permittee shall not operate EUSILOS unless the silo load-out control system is installed, maintained and operated in a satisfactory manner. **(R 336.1224, R 336.1702, R 336.1901, R 336.1910)**

**IV. DESIGN/EQUIPMENT PARAMETER(S)**

NA

**V. TESTING/SAMPLING**

Records shall be maintained on file for a period of five years. **(R 336.1201(3))**

NA

**VI. MONITORING/RECORDKEEPING**

Records shall be maintained on file for a period of five years. **(R 336.1201(3))**

NA

**VII. REPORTING**

NA

**VIII. STACK/VENT RESTRICTION(S)**

NA

**IX. OTHER REQUIREMENT(S)**

NA

## FGFACILITY CONDITIONS

### DESCRIPTION

The following conditions apply source-wide to all process equipment including equipment covered by other permits, grand-fathered equipment, and exempt equipment.

### POLLUTION CONTROL EQUIPMENT

Fabric filter for drum mixer and load-out controls on silos

#### I. EMISSION LIMIT(S)

<b>Pollutant</b>	<b>Limit</b>	<b>Time Period / Operating Scenario</b>	<b>Equipment</b>	<b>Monitoring / Testing Method</b>	<b>Underlying Applicable Requirements</b>
1. CO	Less than 90.0 tpy	12-month rolling time period as determined at the end of each calendar month.	FGFACILITY	SC VI.2	R 336.1205(3)
2. SO <sub>2</sub>	85.6 tpy	12-month rolling time period as determined at the end of each calendar month.	FGFACILITY	SC VI.2	R 336.1205(3)

#### II. MATERIAL LIMIT(S)

1. The permittee shall not burn any fuel other than natural gas, Fuel Oil #2, #4, and #5 in FGFACILITY. **(R 336.1205(3))**
2. The permittee shall not process more than 895,000 tons of hot mix asphalt in FGFACILITY in any 12-month rolling time period. **(R 336.1205(3))**

#### III. PROCESS/OPERATIONAL RESTRICTION(S)

NA

#### IV. DESIGN/EQUIPMENT PARAMETER(S)

NA

#### V. TESTING/SAMPLING

Records shall be maintained on file for a period of five years. **(R 336.1201(3))**

NA

#### VI. MONITORING/RECORDKEEPING

Records shall be maintained on file for a period of five years. **(R 336.1201(3))**

1. All required calculations shall be completed in a format acceptable to the AQD District Supervisor and made available by the 15th day of the calendar month, for the previous calendar month, unless otherwise specified in any monitoring/recordkeeping special condition. **(R 336.1205(3))**

2. The permittee shall keep the following information on a monthly day basis for FG-FACILITY:
- a) A record of total tons of Hot Mix Asphalt produced using each fuel for the previous month and 12-month rolling time period
  - b) CO emission calculations determining the monthly emission rate in tons per calendar month.
  - c) CO emission calculations determining the annual emission rate in tons per 12-month rolling time period as determined at the end of each calendar month.
  - d) SOx emission calculations determining the monthly emission rate in tons per calendar month.
  - e) SOx emission calculations determining the annual emission rate in tons per 12-month rolling time period as determined at the end of each calendar month.

The permittee shall keep the records in a format acceptable to the AQD District Supervisor. The permittee shall keep all records on file and make them available to the Department upon request. **(R 336.1205(3))**

**VII. REPORTING**

NA

**VIII. STACK/VENT RESTRICTION(S)**

NA