



0316000 QKI
19 02 0007

MAT Asphalt, LLC

February 5, 2019

Reference No. 11140803

Mr. Raymond E. Pilapil
Manager, Permit Section
Division of Air Pollution Control
Illinois Environmental Protection Agency
1021 North Grand Avenue East
P. O. Box 19506
Springfield, Illinois 62794-9506

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Environmental Protection Agency
BUREAU OF AIR

Dear Mr. Pilapil:

Re: MAT Asphalt, LLC
General Federally Enforceable State Operating Permit (FESOP) G2951A2 Application
Chicago, Cook County, Illinois - I.D. #031600QKI

The purpose of this transmittal is to submit an application for General Federally Enforceable State Operating Permit (FESOP) G2951A2 for the above referenced source. The Facility currently operates under Construction Permit #17070024.

Please advise us which Permit Analyst has been assigned to review this project.

A summary of the results of the stack test, required by Condition #15 of Construction Permit #17070024, are included in this application as Appendix A.

If you have any questions, please feel free to contact me at 773-617-0789, or Charlie Gjersvik, with GHD, at 217-717-9007.

Yours truly,

MAT Asphalt, LLC

Joe Haughey
Plant Manager

JH/CG/jb/02
Enclosures



Drum Mix Asphalt Plant General FESOP G2951A2 Application

MAT Asphalt, LLC
2055 West Pershing Road
Chicago, Cook County, Illinois 60609
Facility I.D. #031600QKI

MAT Asphalt, LLC



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1. Introduction

MAT Asphalt, LLC (MAT), operates a counter-flow Drum Mix Asphalt Plant located at 2055 West Pershing Road, Chicago, Cook County, Illinois (Facility) under Construction Permit #17070024, issued on October 26, 2017. The purpose of this application is to request coverage to operate the Facility under General Federally Enforceable State Operating Permit (FESOP) G2951A2.

Stack testing has been completed as required by the New Source Performance Standards (NSPS) for Hot Mix Asphalt Facilities (40 CFR 60, Subparts A and I). The result page of the December 11, 2018 stack testing is included as Appendix A of this application. The stack test report was submitted to the Illinois EPA on January 11, 2019.

MAT acknowledges that asphalt production will be limited to the maximum amount allowable under the General FESOP for Drum-Mix Asphalt Plants subject to NSPS A and I, which is 148,333 tons per month and 890,000 tons per year. Recycled material crushing will be limited to 55,000 tons per month and 425,000 tons per year under the General FESOP. Tables 1-5 represent emission calculations for the maximum authorized equipment under the General FESOP at the maximum allowable throughput rates. MAT has included the 292-CAAPP fee determination form with emission rates based on these limits as listed in Attachment A of the General FESOP.

1.1 Regulatory Applicability Analysis

1.1.1 Applicable Regulations

- The Drum Mix Asphalt Plant is subject to the New Source Performance Standards (NSPS) for Hot Mix Asphalt Facilities, 40 CFR 60, Subparts A & I. Pursuant to the NSPS, the baghouse has been tested to verify compliance with the limitations in 40 CFR 60.92(a).
- Process emission sources at the Facility are subject to the particulate matter emission rate limitations of 35 IAC 212.321 (Process Weight Rate Rule).
- The Facility is subject to 35 IAC 123(a) & 123(b), which requires that no person shall cause or allow the emission of smoke or other particulate matter, with an opacity greater than 30 percent, into the atmosphere other than those emission units subject to 35 IAC 212.122. Pursuant to 35 IAC 212.123(b), the emission of smoke or other particulate matter from any such emission unit may have an opacity greater than 30 Percent but not greater than 60% for a period or periods aggregating 8 minutes in any 60 minute period provided that such opaque emissions permitted during any 60 minute period shall occur from only one such emission unit located within a 1000 foot radius from the center point of any other such emission unit owned or operated by such person, and provided further that such opaque emissions permitted from each such emission unit shall be limited to 3 times in any 24 hour period.
- Pursuant to 35 IAC 212.301, No person shall cause or allow the emission of fugitive particulate matter from any process, including any material handling or storage activity, that is visible by an observer looking generally toward the zenith at a point beyond the property line of the source.



- The Facility is subject to 35 IAC 218.301, which limits the emission of organic materials to less than 8 lbs/hr.
- The Facility is subject to 35 IAC 214.301, which requires that the emission of sulfur dioxide into the atmosphere must not exceed 2000 ppm from any process emission unit.
- The Asphalt Cement (AC) Storage Tanks are subject to the requirements of 35 IAC 218.122(b), which requires that the tanks are equipped with permanent submerged loading pipes or an equivalent device approved by the Agency according to the provisions of 35 Ill. Adm. Code 201, and further processed consistent with Section 218.108 of this Part, or unless such tank is a pressure tank as described in Section 218.121(a) of this Part or is fitted with a recovery system as described in Section 218.121(b)(2) of this Part.
- The Facility is required to have a fugitive dust plan pursuant to 35 IAC 212.302 because Asphalt Production falls under SIC 2951 and the plant is located in Cook County. The fugitive dust plan is on file with the Illinois EPA and a copy is included with this application as Exhibit 391-2.

1.1.2 Non-Applicable Regulations

- The Facility is not required to have an episode action plan pursuant to 35 IAC 244.142 because it does not meet any of the criteria listed in §244.142(a)-142(i).
- The Facility is not subject to the New Source Performance Standard (NSPS) for Nonmetallic Mineral Processing Plants, 40 CFR 60, Subparts A & OOO because the crushing plant is portable and is rated below 150 tons per hour.

MAT hereby requests that the Illinois EPA issue General FESOP G2951A2 for the Facility.



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Application for CAAP Permit

For Applicant's Use	
Revision # _____	Date _____
Page _____ of _____	
Source Designation _____	

For Agency Use Only	
ID Number	<u>031600QKI</u>
Permit Number	<u>19020007</u>
Date	_____

☒ Initial Application ☐ Renewal Application

Section One --- Source Information

- Source Name: MAT Asphalt, LLC
- Source I.D. Number: 031600QKI
- Date Form Prepared: 1/23/2019

Section Two --- Instructions in Brief

- Complete the following form when applying for an initial or renewal Clean Air Act Permit Program (CAAPP) permit.
- A request to modify a CAAPP permit should be completed using form 271-CAAPP "application for modification to a CAAPP permit".
- This form provides application and source contact information to the agency as well as acts as a worksheet for quickly assessing whether the CAAPP application is administratively and technically complete.
- FESOP requests should complete this form, marking section four appropriately.
- Refer to CAAPP 200 instructions for further guidance on completing this form.

Section Three --- Source and Contact Information

Source Information

- Source Name: MAT Asphalt, LLC
- Date Form Completed: 1/23/2019
- Source Address: 2055 West Pershing Road
- City: Chicago
- Zip Code: 60609
- Is the source located within city limits? ☒ Yes ☐ No
- Township Name: _____
- County: Cook
- Typical number of employees at the source: <100
- Illinois Air Pollution Source ID no. (if known): 031600QKI
- Federal Employer Identification No. (fein): 82-1607021
- Type of source and products produced: Hot Mix Asphalt Plant

Application Page _____

For Applicant's Use

This agency is authorized to require this information under Illinois revised statutes, 1991, as amended 1992, chapter 111 1/2, par. 1039.5. disclosure of this information is required under that section. failure to do so may prevent this form from being processed and could result in the application being denied. this form has been approved by the forms management center.

13. Primary Standard Industrial Classification (SIC) Category: Asphalt Paving Mixtures and Blocks
14. Primary SIC No.: 2951
15a. Latitude (DD:MM:SS): 41:49:15.99 15b. Longitude (DD:MM:SS): 87:40:37.83
16a. UTM Zone: 16 T
16b. UTM Vertical (KM): 4,630.1 16c. UTM Horizontal (KM): 443.8
17a. Coordinate Method: _____
17b. Reference Location: _____ 17c. Coordinate Accuracy: _____
18. Source Environmental Contact Person: Joe Haughey
19a. Phone: 773-617-0789 19b. E-mail: jhaughey@matasphalt.com

Owner Information

20. Name: MAT Asphalt, LLC
21. Address: 4450 South Morgan
22. City: Chicago 23. State IL 24. Zip Code: 60609
25. Owner's Agent (if applicable): _____

Operator Information

26. Name: MAT Asphalt, LLC
27. Address: 4450 South Morgan
28. City: Chicago 29. State IL 30. Zip Code: 60609

Billing Information

31. Name: MAT Asphalt, LLC
32. Address: 4450 South Morgan
33. City: Chicago 34. State IL 35. Zip Code: 60609
36. Contact Person: Joe Haughey
37. Contact Phone: 773-617-0789
38. Contact E-mail: jhaughey@matasphalt.com

Applicant Information

39. Who is the permit applicant? (check one): ☒ Owner ☐ Operator
40. All correspondence to: (check one) ☒ Owner ☐ Operator ☐ Source
41. Attention name and/or title for written correspondence: Joe Haughey
42. Technical contact person for application: Joe Haughey
43. Contact person's telephone no.: 773-617-0789
44. Contact person's e-mail address: jhaughey@matasphalt.com

Section Four --- Permit Status

Why is the Applicant Applying for a CAAPP Permit?

1. The potential to emit one or more criteria air pollutant for the source is 100 tons/year or greater? The potential to emit hazardous air pollutants for the source is more than 10 tons of a single hazardous air pollutant or 25 tons of combined hazardous air pollutants? Check all that apply.

☒ Carbon Monoxide (CO) ☐ Nitrogen Oxides (NOx)
☒ Particulate 10 Micrometers (PM10) ☒ Particulate Matter (PART)
☐ Particulate 2.5 Micrometers (PM2.5) ☐ Sulfur Dioxide (SO2)
☐ Volatile Organic Material (VOM) ☐ Single Hazardous Air Pollutant
☐ Combined Hazardous Air Pollutant ☐ Other (specify) _____

2. The source is an affected source for acid rain deposition. ☐ Yes ☒ No
3. The potential to emit an individual hazardous air pollutant is 10 tons/year or more of any single hazardous air pollutant. ☐ Yes ☒ No
4. The potential to emit all source wide hazardous air pollutants is 25 tons/year or more of combined hazardous air pollutants. ☐ Yes ☒ No
5. The potential to emit a hazardous air pollutant is more than an applicable lower threshold. ☐ Yes ☒ No
6. The source is an affected source for ozone depleting substances regulated under title 6 of the Clean Air Act. ☐ Yes ☒ No
7. The source contains equipment or operations subject to certain USEPA emission standards (NSPS and NESHAP) for which usepa requires a CAAPP permit. ☐ Yes ☒ No
8. Are actual emissions of the source below the applicability levels for a CAAPP permit? ☒ Yes ☐ No
9. Does the application contain proposed permit limitations that will constrain the emissions and production or operation of the source such that potential emissions of the source will fall below the levels for which a CAAPP permit is required? ☒ Yes ☐ No
10. Does the applicant hereby request a Federally Enforceable State Operating Permit (FESOP) constraining the emissions and production or operation of the source such that potential emissions would fall below applicability levels and thereby exclude the source from requiring a CAAPP permit? ☒ Yes ☐ No

Section Five --- Summary of Application Content Checklist

Complete the following table, answering yes, no, or n/a as appropriate. answering "no" to any of the below, except item 33 or 34, may result in the Illinois EPA requesting additional information, or possibly deeming the application to be incomplete. If the applicant chooses to incorporate by reference data previously submitted, select that column appropriately and include a completed "Incorporation by Reference" form 287-CAAPP.		Information Provided			Incorporate by Reference
		Yes	No	N/A	
1.	Does the application include a table of contents?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.	Does the application include a complete process description for the source?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3.	Does the application include a plot plan and/or map depicting the area within one-quarter mile of the source?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4.	Does the application include a process flow diagram(s) showing all emission units and control equipment, and their relationship?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
5.	Does the application include the appropriate, completed forms for all individual emission units and air pollution control equipment, listing all applicable requirements and proposed exemptions from otherwise applicable requirements?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6.	Does the application include calculations to the extent they are related to air emissions (e.g., for pollutant emission rates, fuels, raw materials usage, or control equipment efficiency)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7.	Does the application include a completed "listing of significant activities" form 299-CAAPP?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Section Five --- Summary of Application Content Checklist

<p>Complete the following table, answering yes, no, or n/a as appropriate. answering "no" to any of the below, except Item 33 or 34, may result in the Illinois EPA requesting additional information, or possibly deeming the application to be incomplete.</p> <p>If the applicant chooses to incorporate by reference data previously submitted, select that column appropriately and include a completed "Incorporation by Reference" form 287-CAAPP.</p>		Information Provided			Incorporate by Reference
		Yes	No	N/A	
8.	Does the application include a completed "Incorporation by Reference" form 287-CAAPP.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9.	Does the application include a completed "Hazardous Air Pollutant Emission Summary" form 215-CAAPP?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10.	Does the application include a completed "Fee Determination for CAAPP permit" form 292-CAAPP? (note: annual fees will be based upon information contained in this form.)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11.	Does the application include a completed "Compliance Plan/ Schedule of Compliance for CAAPP Permit" form 293-CAAPP?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12.	Does the application include a completed "Compliance Plan/ Schedule of Compliance-Addendum for Noncomplying Emission Units" form 294-CAAPP for one or more noncompliant emission units for which issuance of a CAAPP permit is requested?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
13.	Does the application include a completed "Compliance Certification" form 296-CAAP?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14.	Does the application include a completed "Listing of Insignificant Activities" form 297-CAAPP?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
15.	Does the application include a completed "Fugitive Emission" form 391-CAAPP?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16.	Does the application include a Compliance Assurance Monitoring Plan (Form 464-CAAPP) pursuant to 40 CFR Part 64?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
17.	Has the applicant registered a risk management program for accidental releases pursuant to Section 112(r) of the Clean Air Act as amended in 1990 or intends to comply with this requirement in accordance with its compliance plan/schedule of compliance?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
18.	Has the applicant submitted a fugitive particulate matter operating program pursuant to 35 IAC 212.309?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
19.	Has the applicant submitted a PM10 Contingency Measure Plan pursuant to 35 IAC 212.700?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
20.	Has the applicant submitted an Episode Action Plan pursuant to 35 IAC 244.141 for the facilities for which action plans are required (see 35 IAC 244.142)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
21a.	Has the applicant submitted a request for a permit shield for the entire source?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
21b.	If no, does the application contain a request for a permit shield for specific items only, in accordance with the instructions for a CAAPP permit?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Section Five --- Summary of Application Content Checklist

<p>Complete the following table, answering yes, no, or n/a as appropriate. answering "no" to any of the below, except Item 33 or 34, may result in the Illinois EPA requesting additional information, or possibly deeming the application to be incomplete.</p> <p>If the applicant chooses to incorporate by reference data previously submitted, select that column appropriately and include a completed "Incorporation by Reference" form 287-CAAPP.</p>		Information Provided			Incorporate by Reference
		Yes	No	N/A	
22.	If this is a renewal application, was the application submitted in a timely manner, i.e., not later than 9 months before the expiration date of the existing CAAPP permit pursuant to Section 39.5(5)(n) of the Illinois Environmental Protection Act and 35 IAC 270.301(d).	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
23.	Does the application include an early reduction demonstration for Hazardous Air Pollutants (HAP) pursuant to Section 112(i)(5) of the Clean Air Act as amended in 1990?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
24.	Does the application request to utilize the operational flexibility provisions and include the information required for such use?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
25.	Does the application address other modes of operation for which a permit is being sought?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
26.	Does the application include all reasonably anticipated operating scenarios for which a permit is being sought?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
27a.	Does the application contain trade secret information?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
27b.	If yes, has such information been marked and claimed, and two separate copies of the application suitable for public inspection been submitted in accordance with applicable regulations?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
28a.	Does the applicant hereby request operation during a malfunction, consistent with 35 IAC 201.149?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
28b.	Does the applicant hereby request operation during a breakdown, consistent with 35 IAC 201.149?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
28c.	Does the applicant hereby request operation during a startup, consistent with 35 IAC 201.149?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
28d.	If yes to any of 28a-c, does the application include information specified in 35 IAC 201.261 (contents of request for permission to operate during a malfunction, breakdown or startup)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
29.	Does the application include a proposed determination of Maximum Achievable Control Technology (MACT) for hazardous air pollutants pursuant to Section 112(g) or (j) of the Clean Air Act as amended in 1990?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
30.	Does the application address applicable rules and standards of 40 CFR 60 new source performance standard (NSPS)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
31.	Does the application address applicable rules and standards of 40 CFR 61 National Emission Standard for Hazardous Air Pollutants (NESHAP)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

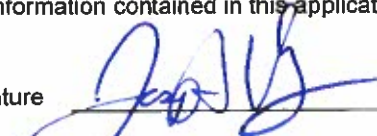
Section Five --- Summary of Application Content Checklist

Complete the following table, answering yes, no, or n/a as appropriate. answering "no" to any of the below, except item 33 or 34, may result in the Illinois EPA requesting additional information, or possibly deeming the application to be incomplete. If the applicant chooses to incorporate by reference data previously submitted, select that column appropriately and include a completed "Incorporation by Reference" form 287-CAAPP.		Information Provided			Incorporate by Reference
		Yes	No	N/A	
32.	Does the application address applicable rules and standards of 40 CFR 63 National Emission Standard for Hazardous Air Pollutants (NESHAP) for source categories?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
33.	Has the applicant retained a copy of this application at the source? (note: if trade secret information is not being submitted, then only the original application need be initially submitted, however, the Illinois EPA may request up to 4 copies of the final application prior to public notice.)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
34.	Does the application include an electronic file of the application (e.g., cd, dvd, etc.)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Note: this certification must be signed by a responsible official. applications without a signed certification will be deemed as incomplete.

I certify under penalty of law that, based on information and belief formed after reasonable inquiry, the statements and information contained in this application are true, accurate and complete.

Authorized Signature



Date

2/5/19

Typed Name Joe Haughey

Title Plant Manager

Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(h))



Illinois Environmental Protection Agency

Bureau of Air • 1021 North Grand Avenue East • P.O. Box 19506 • Springfield • Illinois • 62794-9506

Division of Air Pollution Control - Air Quality Planning Section

Hazardous Air Pollutant (HAP) Emission Summary

For Applicant's Use		For Agency Use Only	
Revision # _____	Date _____	ID Number _____	
Page _____ of _____		Permit Number _____	
Source Designation _____		Date _____	

Section One -- Source Information

Source Name: MAT Asphalt, LLC

Source ID No.: 031800QKI

Date Form Prepared: 1/23/2019

Section Two -- Instructions in Brief

1. Complete this form for hazardous air pollutant (HAP) information for the entire source. Sections four, five, and six may be copied as needed for additional emission units or if additional space is needed. Attach and label with the appropriate emission unit designation.
2. A natural minor source for HAPs is a source whose potential to emit hazardous air pollutants is less than the criteria for a major source of HAP emissions without requiring specific operational restrictions. The HAP major source criteria are listed in number one of section three below.
3. A synthetic minor source for HAPs is a source whose potential to emit hazardous air pollutants is greater than the criteria for a major source of HAP emissions, however the source is able to request operational restrictions which will limit the source emissions below the applicable criteria. The HAP major source criteria are listed in number one of section three below. A synthetic minor source status may be used to avoid certain rule applicability (e.g., NESHAP applicability).
4. A major source HAPs is a source whose potential to emit HAPs is greater than the criteria for a major source of HAP emissions and the source is unable or unwilling to request operational restrictions which will limit the source emissions below the applicable criteria. The HAP major source criteria are listed in number one of section three below. A major source of HAPs is required to obtain a CAAPP permit.
5. Natural or synthetic minor status must be established before the first regulatory compliance date of a regulation of concern in order to ensure the regulation will not be applicable. A source which is a major for HAPs past the compliance date for an applicable regulation must comply with the regulation.
6. Include emissions of HAPs at activities proposed to be insignificant pursuant to 35 IL. Adm. Code 201.210 and 201.211.
7. For the purposes of establishing whether an emission unit qualifies as an insignificant activity and providing emission data for an emission unit in a CAAPP application, an applicant may presume that an emission unit does not emit an air pollutant listed as hazardous pursuant to Section 112(b) of the Clean Air Act if it meets the requirements of 35 IAC 201.209. If utilizing this provision, the applicant will need to complete the supplemental form 215a-CAAPP, "emission unit which does not emit a hazardous air pollutant".
8. Refer to 215-CAAPP instructions for further guidance on completing this form.

This agency is authorized to require this information under 39.5 of the Illinois Environmental Protection Act, 415 ILCS 5/39.5. Further disclosure of this information is required under that section, moreover as also provided in that section, failure to provide this information may prevent this application from being processed and could result in the application being denied.

Section Three -- Hazardous Air Pollutant Status

1. Does the source have the potential to emit, in the aggregate, the following?
Check all that apply.

- I. 10 tons per year or more of any individual hazardous air pollutant. ☐ Yes ☒ No
- II. 25 tons per year or more of any combination of hazardous air pollutants. ☐ Yes ☒ No
- III. Such lesser quantity as established by rule which classifies the source as major for hazardous air pollutants. ☐ Yes ☒ No
- IV. Emissions of hazardous air pollutants which equal or exceed a pollutant specific CAAPP applicability level as established by USEPA rule such that the source is required to obtain a CAAPP permit solely for this reason (i.e., HAP emissions below the CAAPP applicability thresholds specified in Items (I), (II) & (III) above, but still required to obtain a CAAPP permit pursuant to a regulatory requirement, e.g., NESHAP)? ☐ Yes ☒ No

2. Choose one of the following five choices for the source's hazardous air pollutant status by selecting "Yes". Select "No" for all others.

- I. Is the source a natural minor source for hazardous air pollutants?
If "Yes" complete section 4 and attach a Potential To Emit Analysis for the source. The analysis must include calculations and any necessary supporting documentation and assumptions which justify the source's true minor status. ☒ Yes ☐ No
- II. Does the source request to be considered a synthetic minor source for hazardous air pollutants and accept that the emissions of HAPs from the source shall be less than 5 tons/year for each individual HAP and 12.5 tons/year for all HAPs combined?
If "Yes" complete sections 4, and provide as an attachment the most recent five (5) years of actual HAP emissions data. ☐ Yes ☒ No
- III. Does the source request to be considered a synthetic minor source for hazardous air pollutants and accept that the emissions of HAPs from the source shall be less than 5 tons/year for each individual hap and 20 tons/year for all HAPs combined?
If "Yes" complete sections 4 and section 5, and provide as an attachment the most recent five (5) years of actual HAP emissions data. ☐ Yes ☒ No
- IV. Does the source request to be considered a synthetic minor source for hazardous air pollutants and accept that the emissions of HAPs from the source shall be greater than 8 tons/year for each individual hap and 20 tons/year for all HAPs combined, but less than 10 tons/year for each individual HAP and 25 tons/year for all HAPs combined?
If "Yes" complete sections 4, 5, and 6, and provide as an attachment the most recent five (5) years of actual HAP emissions data. ☐ Yes ☒ No
- V. Does the source request to be considered a major source for hazardous air pollutants? If "Yes" complete section 4. ☐ Yes ☒ No
3. If "Yes" to the questions at section three question 2(II) or 2(III) or 2(IV) above, has the source provide as an attachment the most recent five (5) years of actual HAP emissions data. ☐ Yes ☒ No

Section Four – Hazardous Air Pollutant Emissions

Complete the following table for all HAPs. This table must also include emissions of HAPs at activities proposed to be exempt pursuant to 35 IAC 201.146 or insignificant pursuant to 35 IAC 201.210 or 201.211 unless those emission units do not emit a HAP pursuant to 35 IAC 201.209. If utilizing this provision, the applicant will need to complete form 215a-CAAPP, "emission unit which does not emit a hazardous air pollutant."

Emission Unit Designation	Name of HAP Emitted	Chemical Abstract Service (CAS) Number	Typical Emissions (tons/yr)	Maximum Emissions (tons/yr)	Potential Emissions (tons/yr)	Applicable Standard(s)
Drum Mixer/Dryer	Combined - See Exhibit 215-1.1 for Individual HAP Breakdown	N/A	1.62	2.38	2.38	
Silo Filling	Combined - See Exhibit 215-1.2 for Individual HAP Breakdown	N/A	0.03	0.10	0.03	
Silo Truck Loadout	Combined - See Exhibit 215-1.2 for Individual HAP Breakdown	N/A	0.03	0.05	0.03	
Facility Wide	Combined Total	N/A	1.68	2.53	2.44	

Section Five -- HAP Testing to Verify Minor Source Status

¹ Emission Unit Designation	² Name of Predominant HAPS Emitted	³ HAP Testing Methodology	⁴ HAP Testing Frequency	⁵ HAP Testing Rationale
N/A				

- 1 List those emission unit(s) at the source which contribute at least 1.0 tons/year for an individual HAP or 2.5 tons/year for all HAPs combined.
- 2 Predominant HAPs are those constituent HAP emissions which contribute greater than 25% of that emission unit's HAP contribution.
- 3 List the source's suggested HAP testing methodology: 1) stack test (list method), 2) standard test method (explain), 3) relevant NSPS or NESHAP test methodology which tests for HAPs (explain), 4) manufacture's HAP testing (explain), 5) other (explain)
- 4 List the source's suggested HAP testing frequency.
- 5 Explain the rationale and adequacy of the suggested testing.

Application Page _____

Section Six -- Process and emissions limitations for sources requesting HAP limits greater than 8/20 tons/year but less than 10/25 tons/year

Limitations shall be totaled such that the source HAP emissions will be limited to less than 10 tons/year for each individual hap and 25 tons/year for all HAPs combined.				
Emission Unit Designation	¹ Process Limitations	² HAP Calculation Methodology	³ HAP Emission Limitations	⁴ Recordkeeping
N/A				

- ¹ List the source's suggested process limitations which will constrain the process's HAP emissions. process. Limitations include production limits, fuel usage limits, operating restrictions, etc.
- ² List the source's suggested HAP calculation methodology: 1) stack test, 2) standard test method (explain), 3) manufacture's HAP testing, 4) material balance, 5) emission factor, 6) other (explain).
- ³ List the source's suggested HAP emission limitations which will limit the source to less than 10 tons/year for each individual HAP and 25 tons/year for all HAPs combined.
- ⁴ List the source's suggested record keeping needed to document the process and emission limitations.

Exhibit 215-1.1

Dryer Combustion HAP Emission Calculations
Drum Mix Asphalt Plant FESOP Application
MAT Asphalt, LLC

CAS No.	Pollutant	Emission Factors	Maximum Dryer Operation	
			400	ton/hr
		(lb/ton product) ^[1]	Emission Rate ^[2]	
			(lb/hr)	(ton/yr)
71-43-2	Benzene	0.00039	1.56E-01	0.1736
100-41-4	Ethylbenzene	0.00024	9.60E-02	0.1068
50-00-0	Formaldehyde	0.0031	1.24	1.3795
110-54-3	Hexane	0.00092	3.68E-01	0.4094
540-84-1	Isooctane (2,2,4-trimethylpentane)	4.00E-05	1.60E-02	0.0178
71-55-6	Methyl Chloroform	4.80E-05	1.92E-02	0.0214
108-88-3	Toluene	0.00015	6.00E-02	0.0668
1330-20-7	Xylene	0.0002	8.00E-02	0.0890
91-57-6	2-Methylnaphthalene	7.40E-05	2.96E-02	0.0329
83-32-9	Acenaphthene	1.40E-06	5.60E-04	0.0006
208-96-8	Acenaphthylene	8.60E-06	3.44E-03	0.0038
120-12-7	Anthracene	2.20E-07	8.80E-05	0.0001
56-55-3	Benzo(a)anthracene	2.10E-07	8.40E-05	0.0001
50-32-8	Benzo(a)pyrene	9.80E-09	3.92E-06	0.0000
205-99-2	Benzo(b)fluoranthene	1.00E-07	4.00E-05	0.0000
192-97-2	Benzo(e)pyrene	1.10E-07	4.40E-05	0.0000
191-24-2	Benzo(g,h,i)perylene	4.00E-08	1.60E-05	0.0000
207-08-9	Benzo(k)fluoranthene	4.10E-08	1.64E-05	0.0000
218-01-9	Chrysene	1.80E-07	7.20E-05	0.0001
206-44-0	Fluoranthene	6.10E-07	2.44E-04	0.0003
86-73-7	Fluorene	3.80E-06	1.52E-03	0.0017
193-39-5	Indeno(1,2,3-cd)pyrene	7.00E-09	2.80E-06	0.0000
91-20-3	Naphthalene	9.00E-05	3.60E-02	0.0401
198-55-0	Perylene	8.80E-09	3.52E-06	0.0000
85-01-8	Phenanthrene	7.60E-06	3.04E-03	0.0034
129-00-0	Pyrene	5.40E-07	2.16E-04	0.0002
7440-36-0	Antimony	1.80E-07	7.20E-05	0.0001
7440-38-2	Arsenic	5.60E-07	2.24E-04	0.0002
7440-41-7	Beryllium	0.00E+00	0.00E+00	0.0000
7440-43-9	Cadmium	4.10E-07	1.64E-04	0.0002
7440-47-3	Chromium	5.50E-06	2.20E-03	0.0024
7440-48-4	Cobalt	2.60E-08	1.04E-05	0.0000
7440-47-3	Hexavalent Chromium	4.50E-07	1.80E-04	0.0002
7439-92-1	Lead	6.20E-07	2.48E-04	0.0003
7439-96-5	Manganese	7.70E-06	3.08E-03	0.0034
7439-97-6	Mercury	2.40E-07	9.60E-05	0.0001
7440-02-0	Nickel	6.30E-05	2.52E-02	0.0280
7782-49-2	Selenium	3.50E-07	1.40E-04	0.0002
Totals>>>			2.14	2.38

^[1] Emissions Factors From AP-42, Section 11.1, Hot Mix Asphalt Plants, Table 11.1-10

^[2] Annual Rates Based on Hours of Operation of 8,760

Exhibit 215-1.2

Silo Filling and Loadout HAP Emission Calculations
Drum Mix Asphalt Plant FESOP Application
MAT Asphalt, LLC

Emission Source	Throughput		Emission Factor ⁽¹⁾					Emissions	
	(ton/mo)	(ton/yr)	Type	(lb/ton)	Pollutant ⁽²⁾	(%)	(lb/ton)	(ton/mo)	(ton/yr)
Silo Filling	148,333	890,000	Organic PM	0.0006	2-Methylnaphthalene	5.27%	3.09E-05	0.002	0.01
					Total HAP	11.40%	6.68E-05	0.005	0.03
			VOM	0.0122	Formaldehyde	0.69%	8.42E-05	0.01	0.04
					Total HAP	1.30%	1.59E-04	0.01	0.07
Silo Truck Load-out	148,333	890,000	Organic PM	0.0005	2-Methylnaphthalene	2.38%	1.24E-05	0.001	0.01
					Total HAP	7.11%	3.71E-05	0.003	0.02
			VOM	0.0042	Xylene	0.41%	1.71E-05	0.001	0.01
					Total HAP	1.50%	6.24E-05	0.005	0.03

⁽¹⁾Emission Factor Calculated From AP-42, Section 11.1, Tables 11.1-14, 15, & 16.

⁽²⁾Pollutant Listed Represents the Largest Single HAP



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF AIR POLLUTION CONTROL -- PERMIT SECTION
P.O. BOX 19506
SPRINGFIELD, ILLINOIS 62794-9506

FOR APPLICANT'S USE

Revision #: _____
Date: ____ / ____ / ____
Page ____ of ____
Source Designation: _____

**SINGLE SOURCE
DETERMINATION**

FOR AGENCY USE ONLY

ID NO.:

PERMIT NO.:

DATE:

SECTION ONE

SOURCE INFORMATION

1) SOURCE NAME: MAT Asphalt, LLC

2) SOURCE ID NO.: 031600QKI

3) DATE FORM PREPARED: 01 / 23 / 2019

SECTION TWO

INSTRUCTIONS IN BRIEF

- 1) COMPLETE SECTION FOUR FOR **EACH** SOURCE THAT THE PERMITTEE DETERMINES IS OPERATING AS A SINGLE SOURCE WITH THE PERMITTEE. THIS SECTION MAY BE COPIED AS NEEDED FOR ADDITIONAL SOURCES OR IF ADDITIONAL SPACE IS NEEDED. IF COMPLETING THIS SECTION THERE IS NO NEED TO COMPLETE SECTION FIVE OF THIS FORM AS THE SOURCE CONFIRMS A SINGLE SOURCE RELATIONSHIP.
- 2) COMPLETE SECTION FIVE FOR **EACH** SOURCE THAT THE PERMITTEE CONFIRMS IS **NOT** OPERATING AS A SINGLE SOURCE WITH THE PERMITTEE. CHECK ALL THAT APPLY AND PROVIDE AS AN ATTACHMENT TO THIS FORM A CONCISE BUT THOROUGH EXPLANATION OF EACH CHECKED SINGLE SOURCE FACTOR. REFERENCE THE ATTACHMENT(S) USING THE APPROPRIATE SINGLE SOURCE FACTOR CONDITION. THIS SECTION MAY BE COPIED AS NEEDED FOR ADDITIONAL SOURCES OR IF ADDITIONAL SPACE IS NEEDED.
- 3) REFER TO 286-CAAPP INSTRUCTIONS FOR FURTHER GUIDANCE ON COMPLETING THIS FORM.

SECTION THREE

SINGLE SOURCE STATUS

WHAT IS YOUR SOURCE STATUS (CHOOSE ONE OF THE FOLLOWING):

- 1) ☐ THE ABOVE MENTIONED SOURCE **IS** A SINGLE SOURCE WITH ANOTHER SOURCE.
- 2) ☐ THE ABOVE MENTIONED SOURCE **IS** A SINGLE SOURCE WITH MULTIPLE SOURCES.
- 3) ☒ THE ABOVE MENTIONED SOURCE **IS NOT** A SINGLE SOURCE WITH ANOTHER SOURCE.

SIGNATURE BLOCK

NOTE: THIS CERTIFICATION MUST BE SIGNED BY A RESPONSIBLE OFFICIAL. APPLICATIONS WITHOUT A SIGNED CERTIFICATION WILL BE RETURNED AS INCOMPLETE.

I CERTIFY UNDER PENALTY OF LAW THAT, BASED ON INFORMATION AND BELIEF FORMED AFTER REASONABLE INQUIRY, THE STATEMENTS AND INFORMATION CONTAINED IN THIS APPLICATION ARE TRUE, ACCURATE AND COMPLETE.

AUTHORIZED SIGNATURE:

BY:

AUTHORIZED SIGNATURE

Joe Haughey

TYPED OR PRINTED NAME OF SIGNATORY

Plant Manager

TITLE OF SIGNATORY

2 / 5 / 2019
DATE

THIS AGENCY IS AUTHORIZED TO REQUIRE THIS INFORMATION UNDER 39.5 OF THE ILLINOIS ENVIRONMENTAL PROTECTION ACT, 415 ILCS 5/39.5. FURTHER DISCLOSURE OF THIS INFORMATION IS REQUIRED UNDER THAT SECTION, MOREOVER AS ALSO PROVIDED IN THAT SECTION. FAILURE TO PROVIDE THIS INFORMATION MAY PREVENT THIS APPLICATION FROM BEING PROCESSED AND COULD RESULT IN THE APPLICATION BEING DENIED.

APPLICATION PAGE

APPLICATION PAGE 16
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286-CAAPP

Page 1 of 4

SECTION FOUR					
OPERATING AS A SINGLE SOURCE WITH THIS FACILITY					
COMPLETE THE FOLLOWING TABLE FOR ALL SOURCES WHICH ARE CONSIDERED SINGLE SOURCES WITH THIS SOURCE. FOR THE REQUESTED SINGLE SOURCE DESCRIPTION COLUMN, DESCRIBE THE FUNCTION AND PRODUCT/SERVICE PROVIDED BY THE SINGLE SOURCE. FOR THE REQUESTED SINGLE SOURCE RELATIONSHIP COLUMN, DESCRIBE THE INTERACTION(S) WITH THE SINGLE SOURCE BY CHOOSING FROM AMONG THE FOLLOWING REASONS LISTED BELOW, AND BRIEFLY EXPLAIN IF NECESSARY. USE ADDITIONAL PAGES OR ATTACHMENTS AS NECESSARY.					
#	SOURCE NAME	SOURCE ID#	ADDRESS	SINGLE SOURCE DESCRIPTION	SINGLE SOURCE RELATIONSHIP ^
1	N/A				
2					
3					
4					
5					

A CHOOSE OF THE FOLLOWING REASONS AND BRIEFLY EXPLAIN IF NECESSARY: 1) SAME SIC CODE, 2) SHARED COMPANY STRUCTURE (E.G., SAME PARENT COMPANY, SISTER COMPANIES, ETC.); 3) CONTRACTUAL RELATIONSHIP(S); 4) PROCESS/PRODUCTION CO-DEPENDENCY; 5) CONTIGUOUS OR ADJACENT PROPERTIES; 6) INTEGRATED FACILITIES; 7) SUPPORT FACILITY RELATIONSHIP (E.G., CONVEYS, STORES, OR OTHERWISE ASSISTS IN THE PRODUCTION OF A PRINCIPAL PRODUCT AT ANOTHER SOURCE), OR 8) OTHER (EXPLAIN).

SECTION FIVE NOT OPERATING AS A SINGLE SOURCE WITH THIS FACILITY	
1) SOURCE NAME: N/A	
2) SOURCE STREET ADDRESS:	
3) CITY:	
4) ZIP:	5) PRIMARY SIC NO.:
6) PRIMARY STANDARD INDUSTRIAL CLASSIFICATION (SIC) CATEGORY:	
7) LATITUDE (DD:MM:SS):	8) LONGITUDE (DD:MM:SS):

SINGLE SOURCE FACTORS: SINGLE MAJOR INDUSTRIAL GROUPING (SIC CODE)
9) THE ABOVE MENTIONED SOURCE IS A STATIONARY SOURCE BELONGING TO A <u>SINGLE MAJOR INDUSTRIAL GROUPING (SIC CODE)</u> : <input type="checkbox"/> YES <input type="checkbox"/> NO PRIMARY SIC NO. OF THE SINGLE SOURCE: _____

SINGLE SOURCE FACTORS: COMMON CONTROL	
10) THE ABOVE MENTIONED SOURCE IS A STATIONARY SOURCE UNDER <u>COMMON CONTROL</u> : <input type="checkbox"/> YES <input type="checkbox"/> NO IF "YES", CONTINUE TO QUESTION 11 AS THE SOURCE CONFIRMS A COMMON CONTROL RELATIONSHIP.	
A	<input type="checkbox"/> SAME "PARENT" COMPANY BETWEEN THE TWO (OR MORE) FACILITIES?
B	<input type="checkbox"/> CONTRACTUAL RELATIONSHIPS BETWEEN THE TWO (OR MORE) FACILITIES?
C	<input type="checkbox"/> A FINANCIAL CO-DEPENDENCY BETWEEN THE TWO (OR MORE) FACILITIES?
D	<input type="checkbox"/> JOINT OWNERSHIP BETWEEN THE TWO (OR MORE) FACILITIES?
E	<input type="checkbox"/> VOTING INTEREST BETWEEN THE TWO (OR MORE) FACILITIES?
F	<input type="checkbox"/> SHARED LIABILITY BETWEEN THE TWO (OR MORE) FACILITIES?
G	<input type="checkbox"/> SHARED MANAGERIAL HIERARCHY BETWEEN THE TWO (OR MORE) FACILITIES?
H	<input type="checkbox"/> CONTRACT-FOR-SERVICE RELATIONSHIP BETWEEN THE TWO (OR MORE) FACILITIES?
I	<input type="checkbox"/> PROCESS/PRODUCTION CO-DEPENDENCY BETWEEN THE TWO (OR MORE) FACILITIES?
J	<input type="checkbox"/> ADJACENT LOCATION BETWEEN THE TWO (OR MORE) FACILITIES?
K	<input type="checkbox"/> FINANCIAL INTEREST BETWEEN THE TWO (OR MORE) FACILITIES?
L	<input type="checkbox"/> COMMON EMPLOYEES BETWEEN THE TWO (OR MORE) FACILITIES?
M	<input type="checkbox"/> SHARED EQUIPMENT BETWEEN THE TWO (OR MORE) FACILITIES?
N	<input type="checkbox"/> LANDLORD-TENANT RELATIONSHIP BETWEEN THE TWO (OR MORE) FACILITIES?
O	<input type="checkbox"/> FUNDING RELATIONSHIP BETWEEN THE TWO (OR MORE) FACILITIES?
P	<input type="checkbox"/> SHARED PRODUCTS OR BY-PRODUCTS BETWEEN THE TWO (OR MORE) FACILITIES?
Q	<input type="checkbox"/> SHARED TRANSPORTATION/PROCESS LINE BETWEEN THE TWO (OR MORE) FACILITIES?
R	<input type="checkbox"/> SHARED PAYROLL ACTIVITY, EMPLOYEE BENEFITS, HEALTH PLANS, RETIREMENT FUNDS, INSURANCE COVERAGE, OR OTHER ADMINISTRATIVE FUNCTIONS BETWEEN THE TWO (OR MORE) FACILITIES?
S	<input type="checkbox"/> SHARED RESPONSIBILITY FOR COMPLIANCE WITH AIR QUALITY CONTROL REQUIREMENTS BETWEEN THE TWO (OR MORE) FACILITIES?
T	<input type="checkbox"/> OTHER (EXPLAIN):

N/A

SINGLE SOURCE FACTORS: CONTIGUOUS OR ADJACENT PROPERTIES	
11) THE ABOVE MENTIONED SOURCE IS A STATIONARY SOURCE LOCATED ON ONE OR MORE <u>CONTIGUOUS OR ADJACENT PROPERTIES</u> : <div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="display: flex; align-items: center;"> <input type="checkbox"/> YES <input type="checkbox"/> NO </div> <div style="text-align: right; padding-top: 5px;"> IF "YES", CONTINUE TO QUESTION 12 AS THE SOURCE CONFIRMS A CONTIGUOUS OR ADJACENT RELATIONSHIP. </div> </div>	
APPROXIMATE STRAIGHT LINE DISTANCE TO THE SOURCE (MILES): _____	
A	<input type="checkbox"/> WAS THE LOCATION CHOSEN DUE TO ITS PROXIMITY TO EXISTING FACILITY?
B	<input type="checkbox"/> ARE THE FACILITIES INTEGRATED SUCH THAT THEY SIGNIFICANTLY AFFECT THE DEGREE TO WHICH THEY MAY BE DEPENDANT ON EACH OTHER?
C	ARE MATERIALS ROUTINELY TRANSFERRED BETWEEN FACILITIES? <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <input type="checkbox"/> WATERWAY <input type="checkbox"/> OVER THE ROAD - PUBLIC ROAD <input type="checkbox"/> PIPELINE </div> <div style="width: 45%;"> <input type="checkbox"/> RAILWAY <input type="checkbox"/> OVER THE ROAD - SPECIAL-PURPOSE ROAD <input type="checkbox"/> OTHER (EXPLAIN): _____ </div> </div>
D	ARE EMPLOYEES SHUTTLED BETWEEN FACILITIES? <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <input type="checkbox"/> LINE WORKERS <input type="checkbox"/> ADMINISTRATIVE PERSONNEL <input type="checkbox"/> ENVIRONMENTAL STAFF </div> <div style="width: 45%;"> <input type="checkbox"/> MAINTENANCE AND/OR REPAIR CREWS <input type="checkbox"/> SECURITY <input type="checkbox"/> OTHER (EXPLAIN): _____ </div> </div>
E	ARE PRODUCTION PROCESSES SPLIT BETWEEN FACILITIES AND/OR IS THERE A FUNCTIONAL INTER-RELATIONSHIP: <input type="checkbox"/> COMPONENTS PROCESSED IN FACILITY #1 AND FINISHED IN FACILITY #2. <input type="checkbox"/> RAW MATERIAL PROCESSED IN FACILITY #1 AND FINISHED IN FACILITY #2. <input type="checkbox"/> A BYPRODUCT PRODUCED IN FACILITY #1 AND PROCESSED IN FACILITY #2. <input type="checkbox"/> OTHER (EXPLAIN): _____
F	<input type="checkbox"/> OTHER (EXPLAIN): _____

SINGLE SOURCE FACTORS: SUPPORT FACILITY RATIONALE	
12) THE ABOVE MENTIONED SOURCE IS A STATIONARY SOURCE OPERATING AS A <u>SUPPORT FACILITY</u> : <div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="display: flex; align-items: center;"> <input type="checkbox"/> YES <input type="checkbox"/> NO </div> <div style="text-align: right; padding-top: 5px;"> IF "YES", STOP AS THE SOURCE CONFIRMS A SUPPORT FACILITY RELATIONSHIP. </div> </div>	
A	<input type="checkbox"/> THE SOURCE CONVEYS, STORES, OR OTHERWISE ASSISTS IN THE PRODUCTION OF A PRINCIPAL PRODUCT AT ANOTHER STATIONARY SOURCE (OR GROUP OF STATIONARY SOURCES).
B	<input type="checkbox"/> THE SOURCE PROVIDES MORE THAN 50 PERCENT OF ITS OUTPUT OR SERVICE TO ANOTHER STATIONARY SOURCE (OR GROUP OF STATIONARY SOURCES)?
C	<input type="checkbox"/> THE SOURCE'S PROCESSES ARE SOLELY DERIVED/SUPPLIED FROM/TO ANOTHER STATIONARY SOURCE (OR GROUP OF STATIONARY SOURCES).
D	<input type="checkbox"/> THE SOURCE HAS THE "TECHNICAL CAPABILITY" TO PROVIDE OUTPUT OR SERVICE TO OTHER CUSTOMERS.
E	<input type="checkbox"/> THE SOURCE WOULD NOT EXIST AT THAT SITE BUT FOR ANOTHER STATIONARY SOURCE (OR GROUP OF STATIONARY SOURCES).
F	THE SOURCE HAS PRODUCTION PROCESS SPLIT BETWEEN ANOTHER STATIONARY SOURCE (OR GROUP OF STATIONARY SOURCES) AND/OR THERE IS FUNCTIONAL INTER-RELATIONSHIP: <input type="checkbox"/> COMPONENTS PROCESSED IN FACILITY #1 AND FINISHED IN FACILITY #2. <input type="checkbox"/> RAW MATERIAL PROCESSED IN FACILITY #1 AND FINISHED IN FACILITY #2. <input type="checkbox"/> A BYPRODUCT PRODUCED IN FACILITY #1 AND PROCESSED IN FACILITY #2. <input type="checkbox"/> OTHER (EXPLAIN): _____
G	<input type="checkbox"/> OTHER (EXPLAIN): _____



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF AIR POLLUTION CONTROL -- PERMIT SECTION
P.O. BOX 19506
SPRINGFIELD, ILLINOIS 62794-9506

FOR APPLICANT'S USE

Revision #: _____
Date: ____ / ____ / ____
Page ____ of ____
Source Designation: _____

**CAAPP APPLICATION
INCORPORATION BY REFERENCE**

FOR AGENCY USE ONLY

ID NO.:

PERMIT NO.:

DATE:

SECTION ONE

SOURCE INFORMATION

1) SOURCE NAME: MAT Asphalt, LLC

2) SOURCE ID NO.: 031600QKI

3) DATE FORM PREPARED: 01 / 23 / 2019

SECTION TWO

INSTRUCTIONS IN BRIEF

- 1) COMPLETE THIS FORM IF THE APPLICANT REQUESTS TO UTILIZE INFORMATION PROVIDED IN A PRIOR CAAPP APPLICATION. INCORPORATION BY REFERENCE MAY BE IN FULL OR IN PART OF THE APPLICATION. THE MATERIAL INCORPORATED MUST REMAIN CORRECT, CURRENT, AND COMPLETE.
- 2) COMPLETE SECTION THREE IF THE APPLICANT REQUESTS TO INCORPORATE AN ENTIRE APPLICATION. COMPLETE SECTION FOUR IF THE APPLICANT REQUESTS TO INCORPORATE ONLY PORTIONS OF AN APPLICATION. IN EITHER CASE, IDENTIFY AND DESCRIBE THE ITEM TO BE INCORPORATED (E.G., STEAM PLANT, NOX CONTROL SYSTEM, TANKS 32-38, ETC.) AND THE PAGE NUMBERS IN THIS APPLICATION WHERE THE INCORPORATED PAGES WILL BE PLACED, AND FOR PARTIAL INCORPORATIONS THE PAGE NUMBERS FROM THE APPLICATION TO INCORPORATE FROM.
- 3) UTILIZE A PLACEHOLDER IN THE APPLICATION NOTING THE INCORPORATION BY REFERENCE.
- 4) BE SURE THE PORTIONS OF THE 200-CAAPP WHICH ADDRESS INCORPORATIONS BY REFERENCE CORRECTLY REFLECT THE INFORMATION CONTAINED ON THIS FORM.
- 5) THE ILLINOIS EPA ENCOURAGES APPROPRIATE USE OF INCORPORATION BY REFERENCE, WHICH GENERALLY INCLUDES THOUGHTFULLY INCORPORATING LARGE GROUPS OF INFORMATION (E.G., STEAM PLANT) TO FACILITATE THE PERMITTING PROCESS FOR THE PERMITTEE AND THE ILLINOIS EPA.
- 6) REFER TO 287-CAAPP INSTRUCTIONS FOR FURTHER GUIDANCE ON COMPLETING THIS FORM.

SECTION THREE

INCORPORATE ALL MATERIAL FROM A PRIOR APPLICATION

IS THE APPLICANT REQUESTING TO INCORPORATE AN ENTIRE APPLICATION(S)?

☒ YES ☐ NO

IF YES, COMPLETE THE FOLLOWING:

	DESCRIPTION OF MATERIAL TO BE INCORPORATED	APPLICATION	PAGE NOS IN THIS APPLICATION
1	Drum Mix Asphalt Plant Construction Permit Application	NO.: 17070024 DATE: July 2017	All
2		NO.: DATE:	
3		NO.: DATE:	
4		NO.: DATE:	

THIS AGENCY IS AUTHORIZED TO REQUIRE THIS INFORMATION UNDER 39.5 OF THE ILLINOIS ENVIRONMENTAL PROTECTION ACT, 415 ILCS 5/39.5. FURTHER DISCLOSURE OF THIS INFORMATION IS REQUIRED UNDER THAT SECTION, MOREOVER AS ALSO PROVIDED IN THAT SECTION, FAILURE TO PROVIDE THIS INFORMATION MAY PREVENT THIS APPLICATION FROM BEING PROCESSED AND COULD RESULT IN THE APPLICATION BEING DENIED.

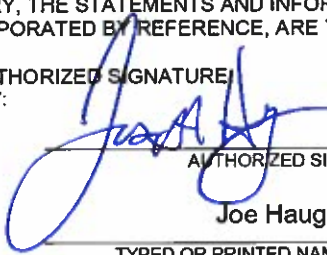
APPLICATION PAGE

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5		NO.:	
		DATE:	
6		NO.:	
		DATE:	
7		NO.:	
		DATE:	
8		NO.:	
		DATE:	

SECTION FOUR		INCORPORATE A PRIOR PARTIAL APPLICATION	
IS THE APPLICANT REQUESTING TO INCORPORATE A PARTIAL APPLICATION(S)?			
		<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
IF YES, COMPLETE THE FOLLOWING:			
DESCRIPTION OF ITEM TO BE INCORPORATED	APPLICATION	PAGE NOs TO INCORPORATE	PAGE NOs IN THIS APPLICATION
1	NO.:		
	DATE:		
2	NO.:		
	DATE:		
3	NO.:		
	DATE:		
4	NO.:		
	DATE:		
5	NO.:		
	DATE:		
6	NO.:		
	DATE:		
7	NO.:		
	DATE:		
8	NO.:		
	DATE:		

SECTION FIVE		SIGNATURE BLOCK	
I CERTIFY UNDER PENALTY OF LAW THAT, BASED ON INFORMATION AND BELIEF FORMED AFTER REASONABLE INQUIRY, THE STATEMENTS AND INFORMATION CONTAINED IN THIS APPLICATION, INCLUDING THOSE MATERIALS INCORPORATED BY REFERENCE, ARE TRUE, ACCURATE AND COMPLETE.			
AUTHORIZED SIGNATURE BY: 		Plant Manager TITLE OF SIGNATORY	
AUTHORIZED SIGNATURE Joe Haughey		2 / 5 / 2019 DATE	
TYPED OR PRINTED NAME OF SIGNATORY			

APPLICATION PAGE _____



Illinois Environmental Protection Agency

Bureau of Air • 1021 North Grand Avenue East • P.O. Box 19506 • Springfield • Illinois • 62794-9506

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STATE OF ILLINOIS
FEB 07 2019
Environmental Protection Agency
BUREAU OF AIR

Fee Determination

For Applicant's Use	
Revision # _____	Date _____
Page _____ of _____	
Source Designation _____	

For Agency Use Only	
ID Number _____	
Permit Number _____	
Date _____	

Section One --- Source Information

- Source Name: MAT Asphalt, LLC
- Source I.D. Number: 031600QKI
- Date Form Prepared: 01/23/2019

Section Two --- Instructions in Brief

- Complete this form to determine the annual permit fee that is applicable to a source under the Clean Air Act Permit Program (CAAPP).
- The emission levels stated in Section Four, which are only used for the purpose of permit fee determination, will become "state only" enforceable permit conditions in the CAAPP permit.
- The Illinois EPA does not require payment with this application. When you are billed make check or money order payable to the Illinois Environmental Protection Agency. Send to the address at the top of this form.
Do not send cash. On the check memo line, please list "ID no. xxxxxxxx". (replace the x's with your source ID number.)
Note: If you are asking for a reconsideration of your fee in accordance with 35 IAC 270.607 (CAAPP Procedures), please include form(s) 292a-CAAPP and 292b-CAAPP (if requesting refund).

Section Three --- Fee Rationale

- What is the application permit status at the time of this submittal? Check only one below.
☐ Initial CAAPP permit ☐ Renewal CAAPP permit ☐ Minor Modification ☒ Initial Title V FESOP**
☐ New CAAPP permit ☐ Significant Modification ☐ Administrative Amendment*
- Initial or new CAAPP or initial Title V FESOP fill out Section Four, otherwise.
- Complete the table below. If there is an increase/decrease in emissions, enter the amount of the emissions change. Attach a detailed description of any changes that impacted the emissions below

Pollutant	Increase	Decrease	No Change	Quantity of Change
Nitrogen Oxides (NO _x)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Particulate Matter (Part)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Sulfur Dioxide (SO ₂)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Volatile Organic Material (VOM)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Other (specify)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Other (specify)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

* Administrative amendments may be used to lower fees.

** Initial or new application for a FESOP so that a source would not be subject to the CAAPP, and thus the application must be submitted under the CAAPP.

This agency is authorized to require this information under 39.5 of the Illinois Environmental Protection Act, 415 ILCS 5/39.5. Further disclosure of this information is required under that section, moreover as also provided in that section, failure to provide this information may prevent this application from being processed and could result in the application being denied.

Section Four --- Fee Data

1. Will the CAAPP source pay the current maximum fee of \$294,000.00 per year?

☐ Yes ☒ No ☐ Not Applicable If "No", skip step #2 and indicate the allowable emissions in below table.

2. Please include the permitted fee allowable emissions in this table.

Emission Unit A, C	Nitrogen Oxides (NO _x) (tons/yr)	Particulate Matter (Part) (tons/yr)	Sulfur Dioxide (SO ₂) (tons/yr)	Volatile Organic Material (VOM) (tons/yr)	Other ^B (specify) <hr/> (tons/yr)
General FESOP G2951A2 Allowable Emissions	33.24	21.93	38.11	24.86	
Subtotal	33.24	21.93	38.11	24.86	
Fugitive ^D					
Total	33.24	21.93	38.11	24.86	
Grand total across pollutants (tons/yr):					118.14
Calculated permit fee: If this grand total is > 100 tons/yr the number is multiplied by \$21.50, otherwise the amount of \$2,150.00 is entered:					\$2,540.01
Minimum permit fee is \$2,150.00 per year. Maximum permit fee is \$294,000.00 per year. If the calculated permit fee is between these two fee amounts then that amount is entered here, otherwise the minimum or maximum permit fee is entered, whichever is applicable.					\$2,540.01

A Emission Unit - provide the name and flow diagram designation of the emission unit as it appears on the data and information forms. (i.e., CAAPP 240, CAAPP 260F)

B Other - any Hazardous Air Pollutant (HAP) not included as particulate matter or volatile organic material, e.g., chlorine, HCl, etc.

C. Insignificant Activity Emissions are not included for CAAPP sources.

D. Fugitives are required to be included for those categories listed in Section 39.5(2)(c)(ii) of the Act.



Illinois Environmental Protection Agency

Bureau of Air • 1021 North Grand Avenue East • P.O. Box 19506 • Springfield • Illinois • 62794-9506

Division of Air Pollution Control – Permit Section

Compliance Plan/Schedule of Compliance for CAAPP Permit

For Applicant's Use		For Agency Use Only	
Revision # _____	Date _____	ID Number _____	
Page _____ of _____		Permit Number _____	
Source Designation _____		Date _____	

The Clean Air Act Permit Program (CAAPP) requires that the applicant submit a compliance plan/schedule of compliance for all emission units at the CAAPP source, regardless of the compliance status of each individual emission unit. This form requires that the compliance status be stated for each emission unit. Application form 294-CAAPP, "Compliance Plan/Schedule of Compliance - Addendum for Non Complying Emission Units," must be submitted for each emission unit not in compliance with all applicable requirements at the time of submittal.

Source Information

1. Source Name: MAT Asphalt, LLC
2. Date Form Prepared: 01/23/2019
3. Source ID No.: 031600QKI

Source Compliance Information

4. Describe the compliance status of the source with all applicable requirements (e.g., "source is in compliance with all applicable requirements"):

The source is in compliance with all applicable requirements.

5. If in compliance, will the source continue to comply with all applicable requirements? ☒ Yes ☐ No

If No, explain:

6. Will the source meet, on a timely basis, applicable requirements which become effective during the permit term? ☒ Yes ☐ No

If No, explain:

This agency is authorized to require this information under Illinois Revised Statutes, 1991, as amended 1992, chapter 111 1/2, par. 1039.5. Disclosure of this information is required under that section. Failure to do so may prevent this form from being processed and could result in the application being denied. This form has been approved by the forms management center.

7. Emission units in compliance

[illegible]

Application Page: _____

Emission Units Compliance Information (continued)

Designation ID Number	Emission Unit

8. Emission units subject to future compliance dates

The following emission units, which are currently in compliance with all applicable requirements, will achieve on a timely basis, and maintain compliance with, future compliance dates as they become applicable during the permit term. If additional space is needed, attach and label as exhibit 293-2:

Designation ID Number	Emission Unit	Future Compliance Date (Month/Day/Year)		
N/A				

9a. Emission units not in compliance - compliance to be achieved prior to permit issuance

The following emission units are not in compliance with all applicable requirements at the time of permit application. However, these emission units will achieve compliance with all applicable requirements prior to permit issuance and will continue to comply with such requirements during the permit term. If additional space is needed, attach and label as exhibit 293-3:

Designation ID Number	Emission Unit	Future Compliance Date (Month/Day/Year)		
N/A				

9b. The following is a narrative description of the means by which compliance will be achieved for each of the emission units listed in 9a) above. If additional space is needed, attach and label as exhibit 293-4:

N/A

10. Emission units not in compliance - compliance will not be achieved prior to permit issuance

The following emission units will not be in compliance with all applicable requirements at the time of permit issuance. A form 294-CAAPP, "Compliance Plan/Schedule of Compliance - Addendum for Non Complying Emission Units," must be submitted for emission units not in compliance with all applicable requirements at the time of permit issuance. A form 294-CAAPP is submitted for the following emission units. If additional space is needed, attach and label as Exhibit 293-5:

Designation ID Number	Emission Unit	Date Compliance Scheduled to be Achieved (Month/Day/Year)		
N/A				



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF AIR POLLUTION CONTROL – PERMIT SECTION
P.O. BOX 19506
SPRINGFIELD, ILLINOIS 62794-9506

FOR APPLICANT'S USE

Revision #: _____
Date: ____ / ____ / ____
Page ____ of ____
Source Designation:
MAT Asphalt, LLC

COMPLIANCE CERTIFICATION

FOR AGENCY USE ONLY

ID NUMBER:

PERMIT #:

DATE:

AN APPLICATION FOR A CAAPP PERMIT MUST CONTAIN A CERTIFICATION OF COMPLIANCE SIGNED BY A RESPONSIBLE OFFICIAL. THIS FORM MUST BE SUBMITTED WITH THE ORIGINAL CAAPP PERMIT APPLICATION AND UPDATED ON AN ANNUAL BASIS.

SOURCE INFORMATION

1) SOURCE NAME: MAT Asphalt, LLC	
2) DATE FORM PREPARED: 1/30/2019	3) SOURCE ID NO. (IF KNOWN): 031600QKI
4) CAAPP PERMIT NUMBER (IF KNOWN): N/A	
5) IS THIS THE FIRST SUBMITTAL OF THIS FORM? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
IF NO, WHAT IS THE REPORTING PERIOD COVERED BY THIS FORM? ____ / ____ / ____ TO: ____ / ____ / ____	

SOURCE COMPLIANCE INFORMATION

6) DOES THE SIGNATORY OF THIS FORM HEREBY CERTIFY THAT THE SOURCE IS IN COMPLIANCE WITH ALL APPLICABLE REQUIREMENTS? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
IF NO, EXPLAIN:
7) PROVIDE THE SCHEDULE FOR SUBMISSION OF COMPLIANCE CERTIFICATION DURING THE PERMIT TERM, E.G., ONCE ANNUALLY IN JANUARY (NOTE THAT SUCH CERTIFICATION MUST BE SUBMITTED NO LESS FREQUENTLY THAN ANNUALLY): N/A - FESOP Source
8) INDICATE THE COMPLIANCE STATUS OF THE SOURCE WITH ANY APPLICABLE ENHANCED MONITORING AND COMPLIANCE CERTIFICATION REQUIREMENTS OF THE CLEAN AIR ACT, E.G., NO ENHANCED MONITORING REQUIRED AND IN COMPLIANCE WITH COMPLIANCE CERTIFICATION REQUIREMENTS: No enhanced monitoring is required.

THIS AGENCY IS AUTHORIZED TO REQUIRE THIS INFORMATION UNDER ILLINOIS REVISED STATUTES, 1991, AS AMENDED 1992, CHAPTER 111 1/2, PAR. 1039.5. DISCLOSURE OF THIS INFORMATION IS REQUIRED UNDER THAT SECTION. FAILURE TO DO SO MAY PREVENT THIS FORM FROM BEING PROCESSED AND COULD RESULT IN THE APPLICATION BEING DENIED. THIS FORM HAS BEEN APPROVED BY THE FORMS MANAGEMENT CENTER.

APPLICATION PAGE

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AP-100-CAAPP-28
286-CAAPP

FOR APPLICANT'S USE

9b) LIST THE EMISSION UNITS THAT WERE NOT IN CONTINUOUS COMPLIANCE SINCE THE LAST REPORTING PERIOD, AND THE REASON(S) FOR NONCOMPLIANCE (IF ADDITIONAL SPACE IS NEEDED, ATTACH AND LABEL AS EXHIBIT 296-2.):

EMISSION UNIT	REASON(S) FOR NONCOMPLIANCE
N/A	

COMPLIANCE INFORMATION

10) SUMMARY OF METHODS USED TO DETERMINE COMPLIANCE:

a) DESCRIPTION OF TESTING METHODS USED TO DEMONSTRATE COMPLIANCE (IF ADDITIONAL SPACE IS NEEDED, ATTACH AND LABEL AS EXHIBIT 296-3.):

N/A

10b) DESCRIPTION OF MONITORING PROCEDURES USED TO DEMONSTRATE COMPLIANCE, INCLUDING ANY ENHANCED MONITORING REQUIREMENTS OF THE ACT (IF ADDITIONAL SPACE IS NEEDED, ATTACH AND LABEL AS EXHIBIT 296-4.):

Throughput and Operation Recordkeeping.

c) DESCRIPTION OF RECORDKEEPING USED TO DEMONSTRATE COMPLIANCE (IF ADDITIONAL SPACE IS NEEDED, ATTACH AND LABEL AS EXHIBIT 296-5.):

Material throughput and unit operation logs.

10d) DESCRIPTION OF REPORTING USED TO DEMONSTRATE COMPLIANCE (IF ADDITIONAL SPACE IS NEEDED, ATTACH AND LABEL AS EXHIBIT 296-6.):

Annual Emissions Report (AER), to be submitted by May 1, for previous calendar year.


SIGNATURE BLOCK

NOTE: THIS CERTIFICATION MUST BE SIGNED BY A RESPONSIBLE OFFICIAL. APPLICATIONS WITHOUT A SIGNED CERTIFICATION WILL BE RETURNED AS INCOMPLETE.

11) I CERTIFY UNDER PENALTY OF LAW THAT, BASED ON INFORMATION AND BELIEF FORMED AFTER REASONABLE INQUIRY, THE STATEMENTS AND INFORMATION CONTAINED IN THIS APPLICATION ARE TRUE, ACCURATE AND COMPLETE.

AUTHORIZED SIGNATURE:

BY:



AUTHORIZED SIGNATURE

Joe Haughey

TYPED OR PRINTED NAME OF SIGNATORY

Plant Manager

TITLE OF SIGNATORY

2 / 5 / 2019

DATE

FOR APPLICANT'S USE

Revision #: _____
Date: ____ / ____ / ____
Page _____ of _____
Source Designation: _____

LISTING OF SIGNIFICANT ACTIVITIES	FOR AGENCY USE ONLY
	ID NO.:
	PERMIT NO.:
	DATE:

SECTION ONE		SOURCE INFORMATION	
1) SOURCE NAME: MAT Asphalt, LLC			
2) SOURCE ID NO.: 031600QKI		3) DATE FORM PREPARED: 1 / 23 / 2019	

SECTION TWO	INSTRUCTIONS IN BRIEF
1)	COMPLETE THE LISTING OF SIGNIFICANT ACTIVITIES AT THIS SOURCE. PROVIDE THE LISTING IN THE ORDER IN WHICH THE EMISSION UNIT(S) OR PROCESS(ES) ARE FOUND IN THE APPLICATION.
2)	EMISSION UNITS MAY BE GROUPED BY ACTIVITY RATHER THAN INDIVIDUALLY LISTED (E.G., TANKS 1-5).
3)	DO NOT INCLUDE INSIGNIFICANT ACTIVITIES IN THIS LISTING; PROVIDE THOSE ACTIVITIES IN THE 297-CAAPP-LISTING OF INSIGNIFICANT ACTIVITIES.

[illegible]



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF AIR POLLUTION CONTROL -- PERMIT SECTION
P.O. BOX 19506
SPRINGFIELD, ILLINOIS 62794-9506

FOR APPLICANT'S USE

Revision #: _____
Date: ____ / ____ / ____
Page ____ of ____
Source Designation: _____

FUGITIVE EMISSIONS DATA AND INFORMATION	FOR AGENCY USE ONLY
	ID NUMBER: _____
	EMISSION POINT #: _____
	DATE: _____

THIS FORM MAY BE COMPLETED FOR FUGITIVE EMISSION ACTIVITIES RATHER THAN COMPLETING AN EMISSION UNIT OR STAND ALONE FORM. FUGITIVE EMISSIONS ARE DEFINED AS THOSE EMISSIONS WHICH COULD NOT REASONABLY PASS THROUGH A STACK, CHIMNEY, VENT OR OTHER FUNCTIONALLY EQUIVALENT OPENING. NOTE THAT UNCAPTURED PROCESS EMISSION UNIT EMISSIONS ARE TYPICALLY NOT CONSIDERED FUGITIVE AND MUST BE ACCOUNTED FOR ON THE APPROPRIATE EMISSION UNIT OR STAND ALONE FORM. ANY EMISSIONS AT THE SOURCE NOT PREVIOUSLY ACCOUNTED FOR ON AN EMISSION UNIT OR STAND ALONE FORM MUST BE ACCOUNTED FOR ON THIS FORM.

SOME EXAMPLES OF EMISSIONS WHICH ARE TYPICALLY CONSIDERED FUGITIVE ARE;

- ROAD DUST EMISSIONS (PAVED ROADS, UNPAVED ROADS, AND LOTS)
- STORAGE PILE EMISSIONS (WIND EROSION, VEHICLE DUMP AND LOAD)
- LOADING/UNLOADING OPERATION EMISSION
- EMISSIONS FROM MATERIAL BEING TRANSPORTED IN A VEHICLE
- EMISSIONS OCCURRING FROM THE UNLOADING AND TRANSPORTING OF MATERIALS COLLECTED BY POLLUTION CONTROL EQUIPMENT
- EQUIPMENT LEAKS (E.G., LEAKS FROM PUMPS, COMPRESSORS, IN-LINE PROCESS VALVES, PRESSURE RELIEF DEVICES, OPEN-ENDED VALVES, SAMPLING CONNECTIONS, FLANGES, AGITATORS, COOLING TOWERS, ETC.)
- GENERAL CLEAN-UP VOM EMISSIONS

NOTE THAT TOTAL EMISSIONS FROM THE SOURCE (TS) ARE EQUAL TO SOURCE-WIDE TOTAL EMISSION UNIT EMISSIONS (PT) PLUS TOTAL FUGITIVE EMISSIONS (FT), E.G., $TS = PT + FT$.

SOURCE INFORMATION	
1) SOURCE NAME: MAT Asphalt, LLC	
2) DATE FORM PREPARED: 01/23/2019	3) SOURCE ID NO. (IF KNOWN): 031600QKI

THIS AGENCY IS AUTHORIZED TO REQUIRE THIS INFORMATION UNDER ILLINOIS REVISED STATUTES, 1991, AS AMENDED 1992, CHAPTER 111 1/2, PAR. 1039.5. DISCLOSURE OF THIS INFORMATION IS REQUIRED UNDER THAT SECTION. FAILURE TO DO SO MAY PREVENT THIS FORM FROM BEING PROCESSED AND COULD RESULT IN THE APPLICATION BEING DENIED. THIS FORM HAS BEEN APPROVED BY THE FORMS MANAGEMENT CENTER.

FOR APPLICANT'S USE

[illegible]

PRINCE GEORGE REGIONAL DISTRICT
391-CAAPP

See Section 1.1, Regulatory Applicability Analysis

APPLICABLE RULES (CONT)

8) PROVIDE ANY SPECIFIC REPORTING RULE(S) WHICH ARE APPLICABLE:

FUGITIVE POINTS(S)	REGULATED AIR POLLUTANT(S)	EMISSION STANDARD(S)	REQUIREMENT(S)

9) PROVIDE ANY SPECIFIC MONITORING RULE(S) WHICH ARE APPLICABLE:

FUGITIVE POINTS(S)	REGULATED AIR POLLUTANT(S)	EMISSION STANDARD(S)	REQUIREMENT(S)

10) PROVIDE ANY SPECIFIC TESTING RULES AND/OR PROCEDURES WHICH ARE APPLICABLE:

FUGITIVE POINTS(S)	REGULATED AIR POLLUTANT(S)	EMISSION STANDARD(S)	REQUIREMENT(S)

IF ADDITIONAL SPACE IS NEEDED, ATTACH AND LABEL AS 391-3.

COMPLIANCE INFORMATION

11) IS EACH FUGITIVE POINT IN COMPLIANCE WITH ALL APPLICABLE REQUIREMENTS?

☒ YES☐ NO

IF NO, THEN FORM 294-CAAPP "COMPLIANCE PLAN/SCHEDULE OF COMPLIANCE -- ADDENDUM FOR NON COMPLYING EMISSION UNITS" MUST BE COMPLETED AND SUBMITTED WITH THIS APPLICATION.

12) EXPLANATION OF HOW INITIAL COMPLIANCE IS TO BE, OR WAS PREVIOUSLY, DEMONSTRATED:

AP-42 emission calculations with the permitted maximum facility throughput.

13) EXPLANATION OF HOW ONGOING COMPLIANCE WILL BE DEMONSTRATED:

AP-42 emission calculations with the actual facility throughput.

TESTING, MONITORING, RECORDKEEPING AND REPORTING

14a) LIST THE PARAMETERS THAT RELATE TO AIR EMISSIONS FOR WHICH RECORDS ARE BEING MAINTAINED TO DETERMINE FEES, RULE APPLICABILITY OR COMPLIANCE. INCLUDE THE UNIT OF MEASUREMENT, THE METHOD OF MEASUREMENT, AND THE FREQUENCY OF SUCH RECORDS (E.G., HOURLY, DAILY, WEEKLY):

PARAMETER	FUGITIVE POINT	METHOD OF MEASUREMENT	FREQUENCY
Throughput	All	Log	Monthly

b) BRIEFLY DESCRIBE THE METHOD BY WHICH RECORDS WILL BE CREATED AND MAINTAINED. FOR EACH RECORDED PARAMETER INCLUDE THE METHOD OF RECORDKEEPING, TITLE OF PERSON RESPONSIBLE FOR RECORDKEEPING, AND TITLE OF PERSON TO CONTACT FOR REVIEW OF RECORDS:

PARAMETER	METHOD OF RECORDKEEPING	TITLE OF PERSON RESPONSIBLE	TITLE OF CONTACT PERSON
Throughput	Log	VP of Production	VP of Production

c) IS COMPLIANCE OF THE EMISSION UNIT READILY DEMONSTRATED BY REVIEW OF THE RECORDS?

☒ YES ☐ NO

IF NO, EXPLAIN:

d) ARE ALL RECORDS READILY AVAILABLE FOR INSPECTION, COPYING AND/OR SUBMITTAL TO THE AGENCY UPON REQUEST?

☒ YES ☐ NO

IF NO, EXPLAIN:

15a) DESCRIBE ANY MONITORS OR MONITORING ACTIVITIES USED TO DETERMINE FEES, RULE APPLICABILITY OR COMPLIANCE:

Throughput Recordkeeping

b) WHAT PARAMETER(S) IS(ARE) BEING MONITORED?

Throughput

c) DESCRIBE THE LOCATION OF EACH MONITOR AND/OR MONITORING PROCEDURES:

Monthly Log

d) IS EACH MONITOR EQUIPPED WITH A RECORDING DEVICE?

☐ YES ☐ NO

IF NO, LIST ALL MONITORS WITHOUT A RECORDING DEVICE:

N/A

e) IS EACH MONITOR REVIEWED FOR ACCURACY ON AT LEAST A QUARTERLY BASIS? <input type="checkbox"/> YES <input type="checkbox"/> NO IF NO, EXPLAIN: N/A					
f) IS EACH MONITOR OPERATED AT ALL TIMES THAT FUGITIVE EMISSIONS MAY OCCUR? <input type="checkbox"/> YES <input type="checkbox"/> NO IF NO, EXPLAIN: N/A					
16) PROVIDE INFORMATION ON THE MOST RECENT TESTS, IF ANY, IN WHICH THE RESULTS ARE USED FOR PURPOSES OF THE DETERMINATION OF FEES, RULE APPLICABILITY OR COMPLIANCE. INCLUDE THE TEST DATE, TEST METHOD USED, TESTING COMPANY, OPERATING CONDITIONS EXISTING DURING THE TEST AND A SUMMARY OF RESULTS. IF ADDITIONAL SPACE IS NEEDED, ATTACH AND LABEL AS EXHIBIT 391-4:					
FUGITIVE POINT(S)	TEST DATE	TEST METHOD	TESTING FIRM	OPERATING CONDITIONS	SUMMARY OF RESULTS
N/A					
17) DESCRIBE ALL REPORTING REQUIREMENTS AND PROVIDE THE TITLE AND FREQUENCY OF REPORT SUBMITTALS TO THE AGENCY:					
FUGITIVE POINT(S)	REPORTING REQUIREMENTS	TITLE OF REPORT	FREQUENCY		
All	Emissions	Annual Emissions Report	Annually		

FUGITIVE DUST (complete if applicable)	
18a) ARE OPACITY READINGS REQUIRED TO BE TAKEN? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO IF YES, SPECIFY THE RELEVANT FUGITIVE POINT(S): i) _____ ii) _____ iii) _____	
b) SPECIFY THE FREQUENCY OF OPACITY READINGS:	

c) IS USEPA METHOD 9 USED TO READ ALL VISIBLE EMISSIONS? ☐ YES ☐ NO

IF NO, EXPLAIN AND SPECIFY THE METHOD USED:

N/A - No fugitive emission opacity readings required.

19) IS AN OPERATING PROGRAM FOR FUGITIVE PARTICULATE MATTER AND/OR PM10 CONTROL REQUIRED PURSUANT TO 35 ILL. ADM. CODE 212.309? ☒ YES ☐ NO

IF YES, HAS SUCH A PROGRAM PREVIOUSLY BEEN SUBMITTED TO THE AGENCY? ☒ YES ☐ NO

IF SUCH A PROGRAM HAS NOT BEEN SUBMITTED, IT SHOULD BE ATTACHED TO THIS FORM UPON SUBMITTAL AND LABELED AS 391-5.

20) IS THE SOURCE IN COMPLIANCE WITH 35 ILL. ADM. CODE 212.301 WHICH STATES THAT NO EMISSIONS SHALL BE VISIBLE BEYOND THE PROPERTY LINE OF THE SOURCE? ☒ YES ☐ NO

IF NO, EXPLAIN:

FUGITIVE VOM FROM EQUIPMENT LEAKS (complete if applicable) - N/A

21) INDICATE WHICH OF THE FOLLOWING METHODS WAS USED TO ESTIMATE FUGITIVE EMISSIONS OF VOM FROM EQUIPMENT LEAKS:

☐ AVERAGE EMISSION FACTOR ☐ LEAK/NO LEAK EMISSION FACTOR ☐ STRATIFIED EMISSION FACTOR ☐ LEAK RATE/SCREENING VALUE CORRELATION

☐ OTHER; (SPECIFY): _____

ATTACH A COPY OF THE FINAL REPORT FOR ANY OF THE ABOVE TESTS THAT HAVE BEEN PERFORMED. THIS REPORT SHOULD SUMMARIZE THE TEST PROCEDURES AND RESULTS. LABEL AS 391-6.

22) IS THERE AN ACTIVE INSPECTION AND MONITORING PROGRAM OF EQUIPMENT LEAKS? ☐ YES ☐ NO

IF YES, PROVIDE A DESCRIPTION OF SUCH PROGRAM OR ATTACH THE INSPECTION PROGRAM TO THIS FORM AND LABEL AS 391-7:

N/A - No fugitive VOM.

FUGITIVE VOM FROM CLEANUP OPERATIONS (complete if applicable)

23) COMPLETE THE FOLLOWING FOR EACH VOM CONTAINING MATERIAL USED FOR CLEANUP FOR WHICH THE EMISSIONS ARE FUGITIVE AND HAVE NOT BEEN ACCOUNTED FOR ELSEWHERE IN THIS APPLICATION:

ANNUAL USAGE
(GAL/YEAR) _____

	GENERIC NAME OF CLEANUP MATERIAL	DENSITY (LB/GAL)	VOM CONTENT (WEIGHT %)	MAX	TYPICAL
a)					
b)					
c)					

24) EXPLAIN THE MEANS BY WHICH THESE MATERIALS ARE USED AND WHAT EQUIPMENT OR ITEMS ARE BEING CLEANED:

25a) ARE ALL VOM USED IN CLEANUP OPERATIONS CONSIDERED TO BE EMITTED?

☐ YES☐ NO

IF NO, EXPLAIN:

b) IF APPLICABLE, COMPLETE ITEMS i, ii, AND iii BELOW:

i) PROVIDE THE MAXIMUM AND TYPICAL AMOUNT OF VOM RECLAIMED AND/OR SHIPPED OFF-SITE AND HENCE, NOT EMITTED:

(GALSYR)

(TONS/YR)

MAX

TYP

II) EXPLAIN THE MEANS BY WHICH VOM IS COLLECTED FOR RECLAMATION AND/OR DISPOSAL:

iii) EXPLAIN THE MEANS BY WHICH THE AMOUNT OF VOM COLLECTED IS MEASURED OR DETERMINED:

FUGITIVE CONTROL

26) COMPLETE THE FOLLOWING, INCLUDING THE MINIMUM AND TYPICAL REDUCTION EFFICIENCY FOR EACH CONTROL MEASURE UTILIZED:

	CONTROL MEASURES	REGULATED AIR POLLUTANT	FUGITIVE POINT(S) CONTROLLED	REDUCTION EFF. (%)		FREQUENCY OF CONTROL APPLICATION
				MIN	TYP	
a)	Wet Supression	PM/PM10	All	80	80	As Needed
b)						
c)						
d)						
e)						

NOTE: IF ADDITIONAL SPACE IS NEEDED, ATTACH AND LABEL AS 391-8.

27) PROVIDE A DESCRIPTION OF EACH OF THE CONTROL MEASURES INDICATED IN ITEM 32. IF ADDITIONAL SPACE IS NEEDED, ATTACH AND LABEL AS 391-9.

	CONTROL MEASURE(S)	DESCRIPTION
a)	N/A	
b)		

27) (CONTINUED) PROVIDE A DESCRIPTION OF EACH OF THE CONTROL MEASURES INDICATED IN ITEM 26. IF ADDITIONAL SPACE IS NEEDED, ATTACH AND LABEL AS 391-9.

	CONTROL MEASURE(S)	DESCRIPTION
c)	N/A	
d)		
e)		
f)		
g)		
h)		

Exhibit 391-1.1

Paved Road Traffic Fugitive Emission Calculations
Drum Mix Asphalt Plant FESOP Application
MAT Asphalt, LLC

Emission Source	Average Vehicle Weight (W)	Total Miles Traveled (VMT)	Uncontrolled Emission Factors ^[1]		Emissions	
	(ton)	(mi/yr)	(lb/VMT)		Uncontrolled	Controlled
					(ton/yr)	
Paved Road Truck Traffic	32.5	189,125	PM	2.60	245.93	226.55
			PM ₁₀	0.52	49.19	45.31
			PM _{2.5}	0.13	12.07	11.12

^[1]Emission factors calculated following Equation 1 of AP-42 Section 13.2.1.3, as demonstrated below.

$$E \left(\frac{lb}{VMT} \right) = k * (sL)^{0.91} * (W)^{1.02}$$

k = Constant (lb/VMT)

sL = Silt Loading Value (g/m²)

a = Dimensionless Constant

W = Mean Vehicle Weight (ton) = (20 tons/empty truck + 45 tons/full truck)/2 = 32.5 tons

b = Dimensionless Constant

VMT Calculation

Parameter	Trucks		Loaders		Units
	In	Out	To Piles	To Bins	
Mean Weight Per Load:	25		2		tons/load
Weight In/Out Annually:	890,000	890,000	890,000	890,000	tons/yr
Total Loads:	35,600	35,600	445,000	445,000	load/yr
Distance Load:	0.47	0.47	0.20	0.15	mi/load produced
Total Loadout Distance:	33,375		155,750		mi/yr

Emission Factor Determination

Pollutant	Parameter	
	k	sL
PM	0.011	8.2
PM ₁₀	0.0022	
PM _{2.5}	0.00054	

Material	Load Size		Weight (ton)		% of Traffic	W (tons)
	Value	Units	Empty	Full		
Asphalt	25	tons	20.00	45.00	7.41%	16.30
Aggregate	2	tons	14.00	16.00	92.59%	

Exhibit 391-1.2

Unpaved Road Traffic Fugitive Emission Calculations
Drum Mix Asphalt Plant FESOP Application
MAT Asphalt, LLC

Emission Source	Average Weight (W)	Miles Traveled (VMT)	Emission Factors ⁽¹⁾		Emissions	
	(ton)	(mi/yr)	(lb/VMT)		Uncontrolled	Controlled
					(ton/yr)	
Unpaved Plant Haul Roads Traffic	15	3,560	PM	5.32	9.48	6.49
			PM ₁₀	1.36	2.41	1.65
			PM _{2.5}	0.14	0.24	0.17

⁽¹⁾Emission factors calculated following Equation 1a of AP-42 Section 13.2.2, as demonstrated below.

$$E \left(\frac{lb}{VMT} \right) = k * \left(\frac{s}{12} \right)^a * \left(\frac{W}{3} \right)^b$$

k = Constant (lb/VMT)

s = Surface Silt Content (%)

a = Dimensionless Constant

W = Mean Vehicle Weight (ton)

b = Dimensionless Constant

Pollutant	Parameter			
	k	s	a	b
PM	4.9	4.8	0.7	0.45
PM ₁₀	1.5		0.9	0.45
PM _{2.5}	0.15		0.9	0.45

VMT Calculation

Parameter	Maximum		Units
	To Pile	To Bins	
Mean Weight Per Load:	25		tons/load
Weight Moved:	890,000	890,000	tons/yr
Total Loads:	35,600	35,600	load/yr
Distance Load:	0.05	0.05	mi/load moved
Total Loadout Distance:	3,560		mi/yr

Exhibit 391-1.3

Storage Pile Loading Fugitive Emission Calculations
Drum Mix Asphalt Plant FESOP Application
MAT Asphalt, LLC

Description	Throughput	Emission Factors ^[1]		Emissions	
				Uncontrolled	Controlled ^[2]
	(ton/yr)	(lb/ton)		(ton/yr)	
Loading Material Onto Storage Piles	890,000	PM	8.14E-03	3.62	0.72
		PM ₁₀	3.85E-03	1.71	0.34
		PM _{2.5}	5.83E-04	0.26	0.05

^[1]Emission factors are calculated using the drop equation from AP-42 Section 13.2.4-4, using the parameters below. $E(\text{lb/ton}) = 0.0032 * k * (U/5)^{1.3} / (M/2)^{1.4}$

^[2]Control through wetting of 80%.

Where:

k = Dimensionless Multiplier Based on Particle Size

U = Mean Wind Speed (mph)

M = Average Moisture Content (%)

Pollutant	Multiplier	Wind	Moisture	Emission Factors "E" (lb/ton)
	k	U	M	
		(mph)	(%)	
PM	0.74	20	3.0	0.0081
PM ₁₀	0.35			0.0038
PM _{2.5}	0.053			0.0006

EXHIBIT 391-2



Page ____ of ____

OPERATING PROGRAM FOR
FUGITIVE PARTICULATE CONTROL

1. THIS FORM IS USED TO APPLY FOR A FUGITIVE DUST OPERATING PROGRAM AS REQUIRED BY 35 IAC 212.309. COMPLETE THE FORM, KEEP ONE COPY FOR YOUR RECORDS, AND RETURN TWO COPIES TO THE ATTENTION OF BUREAU OF AIR PERMIT SECTION MANAGER AT THE ADDRESS LISTED ABOVE.

2a. NAME OF OWNER: MAT Asphalt, LLC		3a. NAME OF OPERATOR: Same as Owner	
2b. STREET ADDRESS OF OWNER: 4450 South Morgan		3b. STREET ADDRESS OF OPERATOR:	
2c. CITY OF OWNER: Chicago		3c. CITY OF OPERATOR:	
2d. STATE OF OWNER: Illinois	2e. ZIP CODE: 60609	3d. STATE OF OPERATOR:	3e. ZIP CODE:

4a. NAME OF CORPORATE DIVISION OR PLANT: MAT Asphalt, LLC		4b. STREET ADDRESS OF EMISSION SOURCE: 2055 West Pershing	
4c. CITY OF EMISSION SOURCE: Chicago	4d. LOCATED WITHIN CITY LIMITS: <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	4e. TOWNSHIP: Chicago	4f. COUNTY: Cook
		4g. ZIP CODE: 60609	

5. SUBMIT A SCALE MAP SHOWING ALL STORAGE PILES, CONVEYOR LOADING OPERATIONS, STORAGE PILE ACCESS ROADS, NORMAL TRAFFIC ROADS, PARKING FACILITIES, LOCATION OF UNLOADING AND TRANSPORTING OPERATIONS WITH POLLUTION CONTROL EQUIPMENT.

6a. DO STORAGE PILES CONTAIN A TOTAL OF MORE THAN 260,000 TONS OF MATERIAL IN A CALENDER YEAR? ☐ YES ☒ NO

6b. IF THE ANSWER TO 6a WAS YES, PLEASE SUBMIT THE FOLLOWING INFORMATION.

TOTAL AMOUNT OF MATERIAL IN THE STORAGE PILES: _____ TONS/YEAR

AND SUBMIT AN ATTACHED SHEET DESCRIBING:

- I) DETAILED OPERATING PROCEDURES AND CONTROL METHODS BY WHICH FUGITIVE PARTICULATES FROM THESE STORAGE PILES WILL BE MINIMIZED DURING LOADING, UNLOADING, PILE MAINTENANCE, AND WIND EROSION. HOW OFTEN WILL THESE PILES BE TREATED WITH SURFACTING AGENT? NAME THE TYPE AND CONCENTRATION OF SURFACTANT THAT WILL BE USED.
- II) TYPE OF CONTROL METHODS USED FOR FUGITIVE PARTICULATE EMISSIONS FROM CONVEYOR LOADING OPERATIONS AND NORMAL TRAFFIC PATTERN ROADS SERVING THESE STORAGE PILES. IF SURFACTING AGENT IS USED STATE TYPE AND CONCENTRATION OF SURFACTING AGENT AND FREQUENCY OF ITS USE.
- III) TYPE OF CONTROL METHODS USED FOR FUGITIVE PARTICULATE EMISSIONS FROM ALL PAVED OR UNPAVED PARKING LOTS AND NORMAL TRAFFIC PATTERN ROADS AT THIS FACILITY. IF ROADS ARE PAVED INDICATE FOOTAGE OF ROADS THAT WILL BE PAVED AND HOW FREQUENTLY THESE ROADS WILL BE CLEANED.

7. DOES THIS FACILITY HAVE ANY OF THE FOLLOWING SOURCES?

a.) CRUSHERS	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
b.) GRINDING MILLS	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
c.) SCREENING OPERATIONS	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
d.) BUCKET ELEVATORS	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
e.) CONVEYORS	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
f.) CONVEYOR TRANSFER POINTS	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

EXHIBIT 391-2

g.) BAGGING OPERATIONS	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
h.) STORAGE BINS	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
i.) FINE PRODUCT TRUCK AND TRAILER LOADING OPERATIONS	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
j.) UNLOADING AND TRANSPORTING OPERATIONS OF MATERIAL COLLECTED BY POLLUTION CONTROL EQUIPMENT	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
k.) UNPAVED NORMAL TRAFFIC ROADS	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
l.) PAVED NORMAL TRAFFIC ROADS	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
m.) INPAVED PARKING LOTS	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
n.) PAVED PARKING LOTS	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO

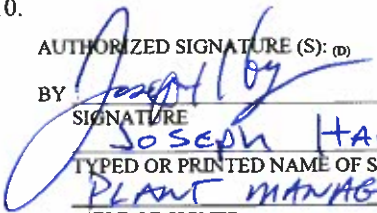
7b. FOR EACH SOURCE MARKED YES, ATTACH AN ADDITIONAL SHEET DESCRIBING THE TYPE OF CONTROL METHODS THAT WILL BE USED TO CONTROL FUGITIVE PARTICULATE EMISSIONS. IF SURFACTANT IS USED, STATE THE TYPE AND CONCENTRATION OF SURFACTANT AND FREQUENCY OF ITS APPLICATION. IF THE ROADS AND PARKING LOTS ARE PAVED, STATE THE FREQUENCY OF CLEANING.

8. VEHICULAR MILES TRAVEL INFORMATION:
THIS INFORMATION IS TO BE DETERMINED BY THE NUMBER OF CARS MULTIPLIED BY THE DISTANCE TRAVELED FOR THE FOLLOWING ROADS.

I) TRAFFIC ON UNPAVED NORMAL TRAFFIC ROADS IN	3,600 MILES PER YEAR
II) TRAFFIC ON PAVED NORMAL TRAFFIC ROADS IN	189,000 MILES PER YEAR
III) TRAFFIC ON UNPAVED PARKING LOTS IN	0 MILES PER YEAR
IV) TRAFFIC ON PAVED PARKING LOTS IN	0 MILES PER YEAR

9. IS THIS FUGITIVE PARTICULATE CONTROL PROGRAM IMPLEMENTED AT THE PRESENT? ☐ YES ☒ NO

10.

AUTHORIZED SIGNATURE (S): (v)	
BY 	DATE 2/5/19
SIGNATURE	SIGNATURE
TYPED OR PRINTED NAME OF SIGNER	TYPED OR PRINTED NAME OF SIGNER
TITLE OF SIGNER	TITLE OF SIGNER

This Agency is authorized to require this information under Illinois Revised Statutes, 1979, Chapter 111 1/2, Section 1039. Disclosure of this information is required under that Section. Failure to do so may prevent this form from being processed and could result in your application being denied. This form has been approved by the Forms Management Center.

MAT Asphalt, LLC
2055 West Pershing Rd, Chicago, Illinois 60609
FUGITIVE DUST CONTROL PROGRAM

In order to achieve a goal, we are providing the following mandatory program guidelines, to be followed by all plant personnel. This program has been established to coordinate all available means of eliminating or controlling fugitive dust associated with the operation of an asphalt plant.

This plan addresses the regulatory requirements contained in 35 IAC Section 212.301, 212.304 through 212.310, 212.312, and 212.313.

The site layout with normal traffic patterns is included as Attachment 1 to this plan.

All storage piles are less than 260,000 tons and the Facility has applied for a Federally Enforceable State Operating Permit limiting its "Potential-to-Emit" particulate matter to less than 100 tons/year.

The baghouse control for the plant has been tested to demonstrate compliance with PM emission standard of the NSPS for Hot Mix Asphalt Plants (40 CFR 60, Subparts A & I) of 0.04 gr/dscf or less. The material collected by the baghouse is returned to the asphalt plant as part of the mix through enclosed augers.

EXHIBIT 391-2

PROGRAM OBJECTIVES

The effectiveness of this fugitive dust control program will depend upon the active participation and sincere cooperation of all supervisors and employees, and the coordination of their efforts in carrying out the following basic responsibilities.

- A. Plan and supervise all work to reduce possibilities of fugitive dust from leaving the property.
- B. Maintain a system of prompt detection and elimination of fugitive dust episodes.
- C. Provide for the prevention from fugitive dust impacting adjacent public and private property and all persons.
- D. Establish and conduct an educational program to stimulate and maintain interest and participation of all employees.
- E. This plan will be updated to address any changes to the Facility.

EXHIBIT 391-2

Wetting is the primary method of dust suppression on site. Wetting is utilized to minimize fugitive dust at least weekly.

1. Program Management and Recordkeeping

- a. The plant manager is responsible for ensuring that the plan is followed and updated in response to any change in operation.
- b. Records of dust control measures are recorded by plant personnel, as delegated by the plant manager, on the fugitive dust control log document created by the IEPA.
- c. Records are kept on site, readily available for review, and are maintained for no less than 5 years.

2. Summary of Control Practices Utilized During the Operating Season

- a. All paved or unpaved surfaces where material handling is conducted are watered at least once per week and all other paved plant roads and surfaces are cleaned once per week.
- b. Observations are conducted throughout the day. If dust conditions are noted, additional water is applied until the dust is no longer observed.
- c. No watering is required if snow covers the area.

EXHIBIT 391-2

- d. End Loader access areas around storage piles and bins are watered at least once per week, or more frequently, if dust conditions are observed.
- e. All paved surfaces are cleaned by brooming on a weekly basis by an outside contractor.

3. Roads

- a. Plant speed limits are 10 MPH. Signs are prominently displayed.
- b. Speed limit are strictly enforced by plant supervisor and safety patrol.

4. Storage Piles, Screens, Conveyors and Transfer Points

- a. Spraying with water at a rate equivalent to 0.1 inch of rainfall per operating day unless,
 - 1. measure moisture content exceeds 1.5%*.
 - 2. rainfall of 0.1 inch has occurred within the last 24 hours.
 - 3. the storage pile is frozen.
 - 4. the storage pile is covered with snow.*Moisture content is measured and recorded each operating day.
- b. If visible dust at transfer points is observed, water spray is increased until dust is no longer observed.
- c. Material drop heights are minimized to reduce potential dust.

5. Storage Bins

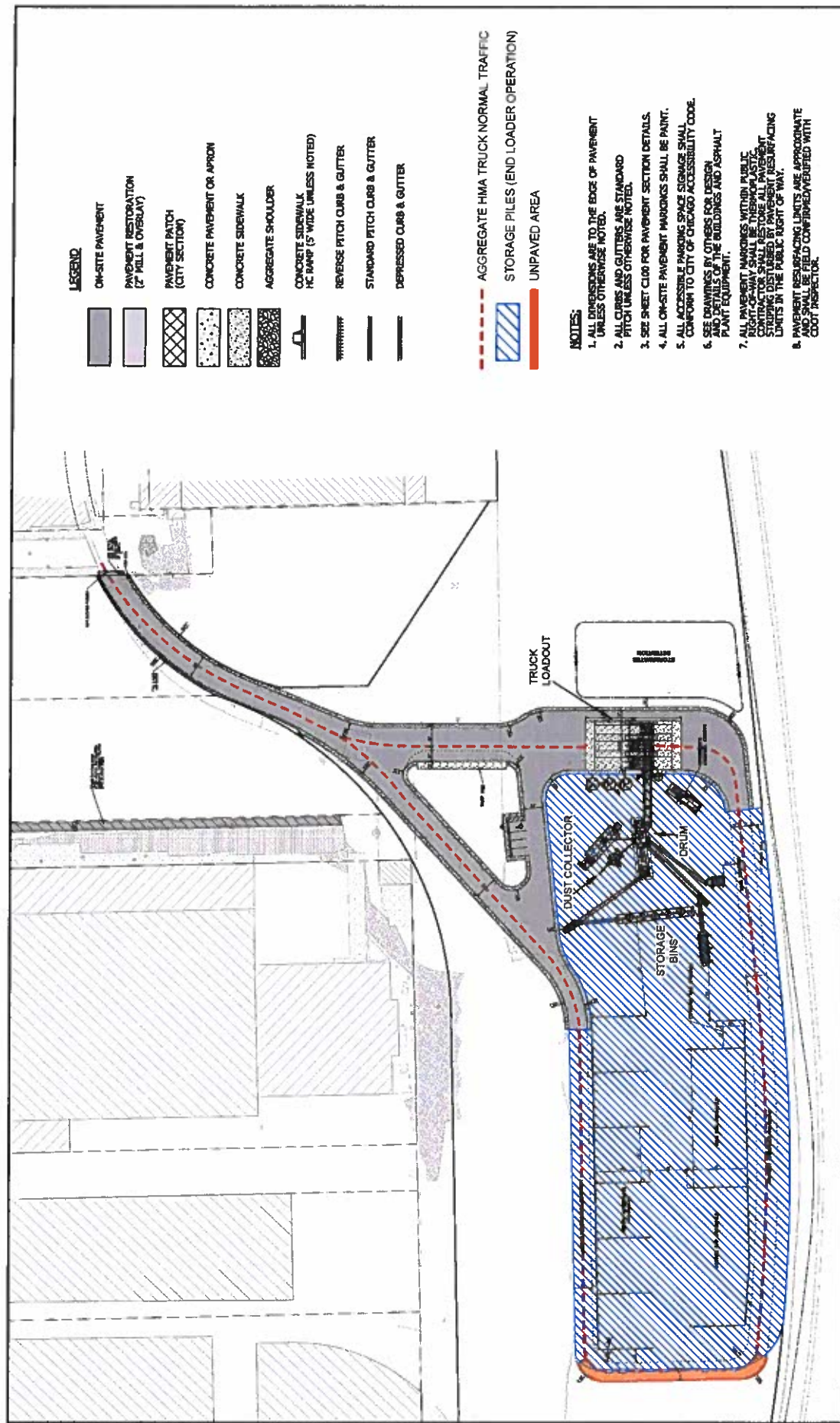
EXHIBIT 391-2

Storage bins inherently provide control against fugitive dust.

- a. Loader operators are instructed to not overfill bins to eliminate exposure of material to winds.

6. Portable Crusher

Spray bar and crusher operation are interlocked; the crusher cannot operate without operation of the spray bars.



Source: SPACECO, INC. CONSULTING ENGINEERS

MAT ASPHALT CORPORATION
2055 W PERSHING ROAD
CHICAGO, ILLINOIS



11140803-01
Aug 29, 2018

HOT MIX ASPHALT PLANT CONSTRUCTION SITE PLAN

Attachment 1

IEPA - FUGITIVE DUST CONTROL LOG

[illegible]

Table 1

Summary of Emissions
Drum Mix Asphalt Plant FESOP Application
MAT Asphalt, LLC

Emission Source	Throughput				Annual Emission					
					NOx	CO	PM	PM ₁₀	SO ₂	VOM
	Material	(unit/mo)	(unit/yr)	(unit)	(ton/yr)					
Crush Plant	Aggregate & RAP	55,000	425,000	tons	--	--	5.87	2.05	--	--
Drum	Aggregate	148,333	890,000	tons	24.48	57.85	14.69	10.24	25.81	14.24
Truck Loadout	Asphalt Product	148,333	890,000	tons	--	0.60	0.23	0.23	--	1.85
Silo Filling	Asphalt Product	148,333	890,000	tons	--	0.53	0.26	0.26	--	5.43
AC Storage Tanks	Asphalt Cement	-	10,000,000	gallons	--	--	--	--	--	0.10
Other Tanks	Diesel / Gasoline	-	200,000 / 50,000	gallons	--	--	--	--	--	2.90
Totals:					24.48	58.98	21.04	12.78	25.81	24.52

Table 2

Material Drying Emission Calculations
 Drum Mix Asphalt Plant FESOP Application
 MAT Asphalt, LLC

Process Description	Control Device	Material Produced		Emission Factors ^[1]		Emission Rates	
		(ton/mo)	(ton/yr)	Pollutant	(lb/ton)	(lb/hr)	(ton/yr)
Drum	Baghouse with Fabric Filter (PM Only)	148,333	890,000	NOx	0.055	4.08	24.48
				CO	0.13	9.64	57.85
				PM	0.033	2.45	14.69
				PM ₁₀	0.023	1.71	10.24
				SO ₂	0.0580	4.30	25.81
				VOM	0.032	2.37	14.24

^[1]Emissions Factors From AP-42, Section 11.1, Hot Mix Asphalt Plants, Tables 11.1-7 and 11.1-8

Table 3

Silo Filling and Truck Loadout Emission Calculations
 Drum Mix Asphalt Plant FESOP Application
 MAT Asphalt, LLC

Emission Source	Throughput		Emission Factor ⁽¹⁾		Emissions	
	(ton/mo)	(ton/yr)	Pollutant	(lb/ton)	(lb/mo)	(ton/yr)
Silo Filling	148,333	890,000	PM/PM ₁₀	0.000586	86.92	0.26
			VOM	0.0122	1,809.66	5.43
			CO	0.00118	175.03	0.53
Silo Truck Load-out	148,333	890,000	PM/PM ₁₀	0.000522	77.43	0.23
			VOM	0.00416	617.07	1.85
			CO	0.00135	200.25	0.60

Emission Factor Determination

Pollutant	V	T (°F)		Emission Factor ⁽¹⁾	
		Load-Out	Filling	Load-Out	Filling
PM	-0.5	325	325	0.000522	0.000586
VOM				0.00416	0.0122
CO				0.00135	0.00118

⁽¹⁾Emission Factors Calculated From AP-42, Section 11.1, Table 11.1-14 (At 325°F these factors match the General FESOP)

Table 4
Crushing Plant Emission Calculations
Drum Mix Asphalt Plant FESOP Application
MAT Asphalt, LLC

Emission Source	Maximum Number of Units	Throughput		Emission Factor ^[1]				Emissions	
				Pollutant	Uncontrolled	Controlled ^[2]			
		(ton/mo)	(ton/yr)				(lb/ton)	(ton/mo)	(ton/yr)
Crushers	3	55,000	425,000	PM	0.0012	0.0012	0.10	0.77	
				PM ₁₀	0.00054	0.00054	0.04	0.34	
Screens	9	55,000	425,000	PM	0.025	0.0022	0.54	4.21	
				PM ₁₀	0.0087	0.00074	0.18	1.42	
Conveyors	30	55,000	425,000	PM	0.0030	0.00014	0.12	0.89	
				PM ₁₀	0.0011	0.000046	0.04	0.29	

^[1]Emission Factor Calculated From AP-42, Section 11.19-2, Table 11.19.2-2.

^[2]Control through moisture content

Table 5

Storage Tank Emission Summary
Drum Mix Asphalt Plant FESOP Application
MAT Asphalt, LLC

Emission Unit	Capacity	Throughput	VOM Emissions ^[1]			Percentage of VOM that is also HAP ^[2]	HAP Emissions
			Working Loss	Breathing Loss	Total		
	(gal)	(gal/yr)	(lb/yr)	(lb/yr)	(ton/yr)		
Asphalt Cement Tanks	30,000	10,000,000	193.35	7.60	0.10	1.3%	1.31E-03

^[1]TANK 4.0 Emission Reports.

^[2]Emission factor (% of VOM) for HAP from AP-42 Section 11.1, Table 11.1-16 (Storage Tank) (0.69% Formaldehyde is Single Largest HAP).

Vapor Pressure Calculation for TANKS 4.0.9d Input (Antoine's Equation)

Average Temperature (T) = 325 435.93 K

A = 75,350.06 B = 9.00346 (AP-42 Page 11.1-9)

$$\log_{10} P = \frac{-0.05223 * A}{T} + B = -0.0244$$

Density of Asphaltic Cement (lb/gal) = 9.17

P_{325F} = 0.0183 psia

P_{275F} = 0.0044 psia

P_{350F} = 0.0347 psia

P_{ave} = 0.9453 mmHg

0.01828 psia

Appendices

Appendix A

Subpart I Test Report Summary

**TEST REPORT
COMPLIANCE EMISSION TEST
MAT ASPHALT, LLC
ASPHALT PLANT DRUM MIXER BAGHOUSE
CHICAGO, ILLINOIS**

Prepared For:

MAT Asphalt, LLC
2033 West Pershing Road
Chicago, IL 60609

Prepared By:

Montrose Air Quality Services, LLC
951 Old Rand Road, Unit 106
Wauconda, IL 60084

Document No.: **024AS-473273-RT-238**
Test Date: **December 11, 2018**
Submittal Date: **January 11, 2019**



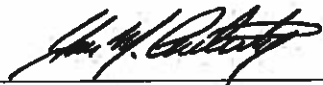
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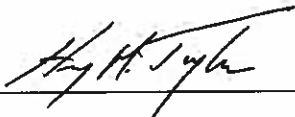
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REVIEW AND CERTIFICATION

All work, calculations, and other activities and tasks performed and presented in this document were carried out by me or under my direction and supervision. I hereby certify that, to the best of my knowledge, Montrose operated in conformance with the requirements of the Montrose Quality Management System and ASTM D7036-04 during this test project.

Signature:  Date: January 11, 2019
Name: Steve Flaherty, QSTI Title: District Manager

I have reviewed, technically and editorially, details, calculations, results, conclusions, and other appropriate written materials contained herein. I hereby certify that, to the best of my knowledge, the presented material is authentic, accurate, and conforms to the requirements of the Montrose Quality Management System and ASTM D7036-04.

Signature:  Date: January 11, 2019
Name: Henry M. Taylor, QSTO Title: Quality Assurance Manager

1.0 SUMMARY OF TEST PROGRAM AND RESULTS

1.1 TEST PROGRAM OBJECTIVES

Montrose Air Quality Services, LLC (Montrose) was contracted by MAT Asphalt, LLC to perform a compliance emission test at their facility located in Chicago, Illinois.

The test was conducted to determine the concentration and emission rate of particulate matter (PM) as well as the opacity of visible emissions (VE) from the asphalt plant drum mixer baghouse stack. The purpose of the test was to demonstrate compliance with the testing requirements of Illinois Environmental Protection Agency (IEPA) Construction Permit No. 17070024 (I.D. No. 031600QKI).

The test was conducted in accordance with the sampling and analytical procedures presented in Test Plan No. 024AS-473273-PP-68 dated August 23, 2018. A summary of the test program is presented in Table 1-1.

**TABLE 1-1
SUMMARY OF TEST PROGRAM**

Date	Source	Activity/ Pollutants	Test Methods	No. of Runs	Run Duration
12/11/18	Baghouse Stack	Compliance/PM, VE	1, 2, 3, 4, 5, 9	3	60 Minutes

1.2 TEST PROGRAM PARTICIPANTS

A list of project participants is included below:

Facility Information

Source Location: MAT Asphalt, LLC
IEPA Permit I.D. No.: 031600QKI
2055 West Pershing Road
Chicago, IL 60609
Project Contact: Mr. Joe Haughey
Telephone: 773-617-0789
Email: jhaughey@matasphalt.com

Testing Company Information

Testing Firm: Montrose Air Quality Services, LLC
Contact: Mr. Steve Flaherty
Title: District Manager
Telephone: 847-487-1580 Ext. 12417
Email: sflaherty@montrose-env.com

Mr. Joseph Haughey of MAT Asphalt, LLC coordinated the test and monitored process operations during testing. Mr. Steve Flaherty, Mr. Rob Burton, and Mr. Alan Morales of Montrose performed the test. Mr. Steve Flaherty was the onsite field test supervisor and qualified source testing individual for the test.

1.3 SUMMARY OF TEST RESULTS

The test results are detailed in Section 4.0 of this document. The test results indicate that PM and VE were within their respective permit compliance limits. A summary of the test results is presented in Table 1-2.

**TABLE 1-2
SUMMARY OF COMPLIANCE TEST RESULTS**

TEST RUN NO. :	1	3	4		Permit Compliance Limit
TEST DATE :	12/11/18	12/11/18	12/11/18		
TEST TIME :	08:00-09:15	12:32-13:39	14:10-15:15	Average	
Particulate Matter					
Concentration, gr/dscf	0.0177	0.0221	0.0210	0.0203	0.04
Emission rate, lb/hr	4.41	5.04	4.97	4.81	30.59
Emission rate, lb/ton	0.0148	0.0170	0.0166	0.0161	
TEST RUN NO. :	1	2	3		Compliance Limit
TEST DATE :	12/11/18	12/11/18	12/11/18		
TEST TIME :	08:05-09:05	10:05-11:05	12:40-13:40	Average	
Visible Emissions					
Opacity, Highest 6-min. avg. %	1.0	0.8	0.4	0.7	20

2.0 SOURCE DESCRIPTION

2.1 FACILITY AND SOURCE DESCRIPTION

The compliance test was conducted on the baghouse stack at the MAT Asphalt, LLC asphalt plant in Chicago, Illinois for PM and VE determination. The source is a 400 ton/hr Natural Gas/Distillate Oil-Fired Drum Mix Asphalt Plant Mixer controlled by a Baghouse with Knockout Box and Fabric Filter.

2.2 SAMPLING LOCATIONS

The sampling location and number of sampling points were as follows:

Sampling Location	Stack Diameter (inches)	Port Location Upstream from Disturbance (inches)	Port Location Downstream from Disturbance (inches)	No. of Ports	Sampling Points per Port	Total Points
Baghouse Stack	60.5	84	300	2	12	24

2.3 OPERATING CONDITIONS AND PROCESS DATA

Plant personnel established the test conditions and collected all applicable process and control equipment operating data.