



STATE OF ILLINOIS  
ENVIRONMENTAL PROTECTION AGENCY  
DIVISION OF AIR POLLUTION CONTROL  
1021 NORTH GRAND AVENUE, EAST  
SPRINGFIELD, ILLINOIS 62702

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

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	222,500 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): (b)

BY	_____	DATE	BY	_____	DATE
	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 proposed storage piles will be 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 proposed plant will meet the 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 will be returned to the asphalt plant as part of the mix through enclosed augers.

## 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. Once construction is complete this plan will be updated to address any changes that occurred during construction.

Wetting will be the primary method of dust suppression on site. Wetting will be 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 will be watered at least once per week and all other paved plant roads and surfaces will be cleaned once per week.
- b. Observations will be conducted throughout the day. If dust conditions are noted, additional water will be applied until the dust is no longer observed.
- c. No watering is required if snow covers the area.

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

3. Roads

- a. Plant speed limits shall be 10 MPH. Signs will be prominently displayed.
- b. Speed limit will be 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 will be increased until dust is no longer observed.

- c. Material drop heights are minimized to reduce potential dust.

5. Storage Bins

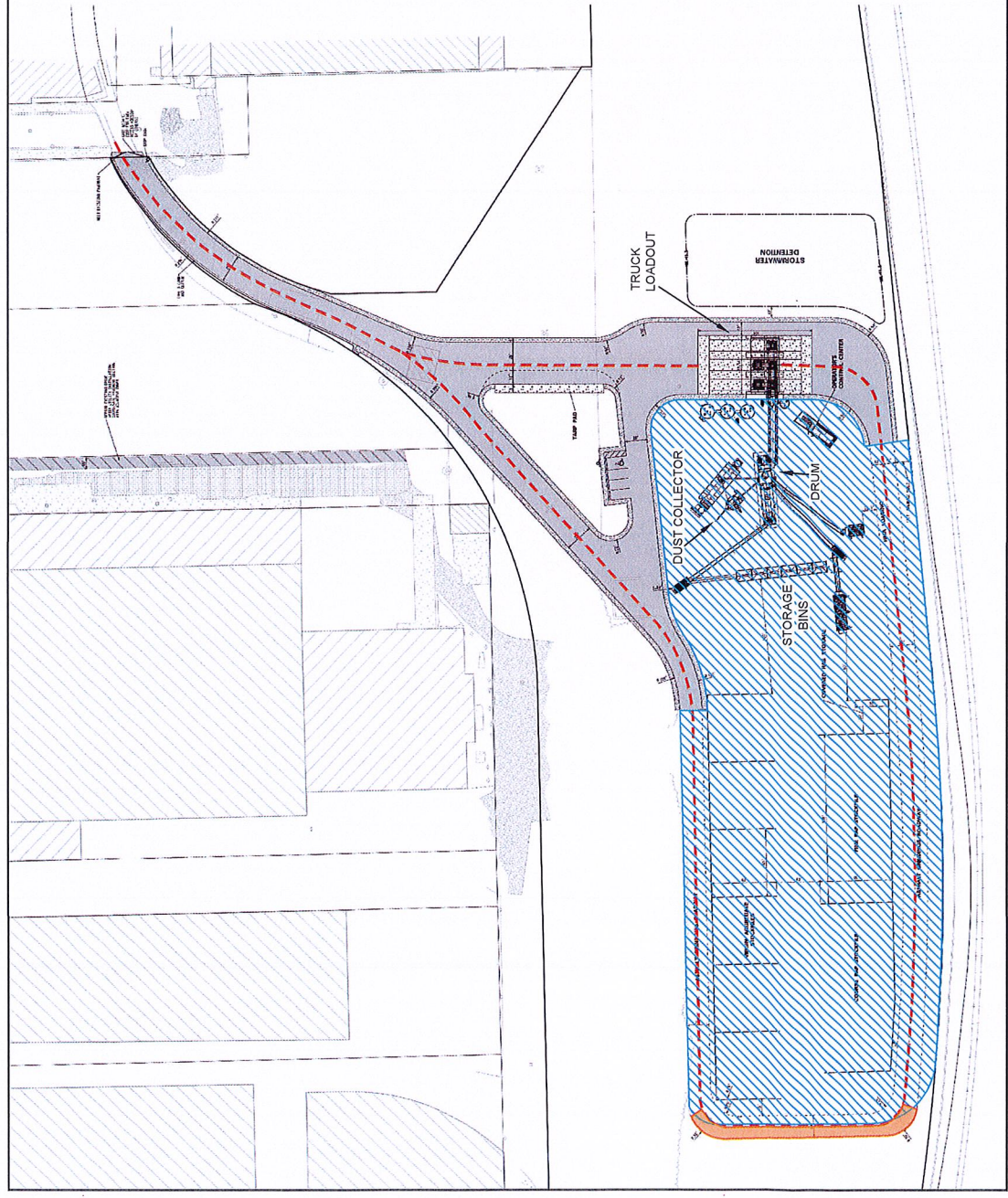
Storage bins inherently provide control against fugitive dust.

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

6. Portable Crusher

Spray bars wet material entering the crusher as required by the NSPS. Spray bar and crusher operation are interlocked; the crusher cannot operate without operation of the spray bars.





**LEGEND**

- ON-SITE PAVEMENT
- PAVEMENT RESTORATION (2" MILL & OVERLAY)
- PAVEMENT PATCH (CITY SECTION)
- CONCRETE PAVEMENT OR APRON
- CONCRETE SIDEWALK
- AGGREGATE SHOULDER
- CONCRETE SIDEWALK HC RAMP (5' WIDE UNLESS NOTED)
- REVERSE PITCH CURB & GUTTER
- STANDARD PITCH CURB & GUTTER
- DEPRESSED CURB & GUTTER

- AGGREGATE HMA TRUCK NORMAL TRAFFIC
- STORAGE PILES (END LOADER OPERATION)
- UNPAVED AREA

**NOTES:**

1. ALL DIMENSIONS ARE TO THE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
2. ALL CURBS AND GUTTERS ARE STANDARD PITCH UNLESS OTHERWISE NOTED.
3. SEE SHEET C100 FOR PAVEMENT SECTION DETAILS.
4. ALL ON-SITE PAVEMENT MARKINGS SHALL BE PAINT.
5. ALL ACCESSIBLE PARKING SPACE SIGNAGE SHALL CONFORM TO CITY OF CHICAGO ACCESSIBILITY CODE.
6. SEE DRAWINGS BY OTHERS FOR DESIGN AND DETAILS OF THE BUILDINGS AND ASPHALT PLANT EQUIPMENT.
7. ALL PAVEMENT MARKINGS WITHIN PUBLIC RIGHT-OF-WAY SHALL BE THERMOPLASTIC. CURB AND GUTTER MARKINGS SHALL BE PAINT. STRIPING SHALL BE PAINT. PAVEMENT RESURFACING LIMITS IN THE PUBLIC RIGHT OF WAY.
8. PAVEMENT RESURFACING LIMITS ARE APPROXIMATE AND SHALL BE FIELD CONFIRMED/VERIFIED WITH CDOT INSPECTOR.

Source: SPACECO, INC. CONSULTING ENGINEERS

11140803-01  
Aug 29, 2018

**MAT ASPHALT CORPORATION**  
2055 W PERSHING ROAD  
CHICAGO, ILLINOIS  
**HOT MIX ASPHALT PLANT CONSTRUCTION**  
**SITE PLAN**



**Attachment 1**