



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

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Fact Sheet

MAT Asphalt, LLC

Application for Federally Enforceable State Operating Permit

December 2019

Source:

MAT Asphalt, LLC.
2055 West Pershing Avenue
Chicago, Illinois
Cook County

Nature of existing Source:

MAT Asphalt, LLC operates a hot mix asphalt plant. Emission units at the plant consists of a 400 ton per hour capacity box and drum mixer controlled by a baghouse with a knockout fabric filter, three asphalt cement storage tanks, five asphalt storage silos, five asphalt plant conveyors, two asphalt plant screens, one portable crusher, one crushing plant screen, four crushing plant conveyors, six aggregate bins, two reclaimed asphalt pavement bins, one reclaimed asphalt shingle storage bin, and raw material storage piles.

Reclaimed asphalt pavement (RAP) and aggregates (e.g. stone, gravel) are sized by the crushing plant (crusher and screen) thereafter transferred to storage bins or directly to the asphalt plant via conveyors. Asphalt cement is stored in storage tanks. To ensure the flow/transfer of asphalt cement from the storage tanks, they are heated using a small gas fired heater. Hot mix asphalt is produced at this plant when combination of reclaimed asphalt shingles (RAS), RAP and aggregate (e.g. stone, sand, and gravel) are heated and bound together by asphalt cement in the drum mixer. The resulting hot mix asphalt is conveyed by asphalt plant conveyors to asphalt storage silos thereafter and loaded into trucks for transport to paving sites.

This plant is subject to New Source Performance Standards (NSPS) – Subpart A: General Provisions and Subpart I: NSPS for Hot Mix Asphalt Plants. The emissions from the drum mixer are controlled by a baghouse with a knockout box and fabric filter. Particulate matter emissions from the crushers, screens, and conveyors for aggregates are minimized by ensuring material that is processed or transferred maintains a minimum moisture content. Emissions of volatile organic material emissions from the asphalt storage tanks are minimized by a condenser on the vents of the tanks. In addition, fugitive particulate matter emissions from storage piles and roadways are minimized by a Fugitive Particulate Matter Operating Program.

MAT Asphalt has successfully conducted NSPS emissions testing of the drum mixer controlled by a baghouse with a knockout fabric filter.

Contact for more information

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