

I. INTRODUCTION

This source has applied for a Clean Air Act Permit Program (CAAPP) permit for the existing operations. The CAAPP is the program established in Illinois for the operating permits for significant stationary sources required by the federal Clean Air Act, as amended in 1990. Unlike this source's current state operating permit(s), the conditions in a CAAPP permit are enforceable by both the Illinois Environmental Protection Agency (Illinois EPA) and the USEPA.

Owens Corning is located at 5824 South Archer Road in Summit and manufacturers roofing materials and roofing coatings.

II. EMISSION UNITS

Significant emission units at this source are as follows:

<b>Emission Unit</b>	<b>Equipment</b>	<b>Description</b>	<b>Emission Control Equipment</b>
Group 1	Fuel Combustion Emission Units (EU-1)	Tank 9 Burner, Tank 15 Burner #1, Tank 15 Burner #2, Tank 18 Burner, Tanks 60-64 Burners, Boiler #1, Boiler #2, Filler Hot Oil Heater	None

Group 2	Asphalt Storage Tanks (EU-2)	<p><u>i.</u> Tanks #19, #20, #40, #41, #42, #43</p> <p><u>ii.</u> Tanks #9, #9A, #10A, #11, #17, #18</p> <p><u>iii.</u> Tanks #27, #28, #31-36</p> <p><u>iv.</u> Tank #98</p> <p><u>v.</u> Tanks #10, #15, #16, #60-64, #74-77, #79,</p> <p><u>vi.</u> Tanks # 70 and #71 for cutback asphalt</p> <p><u>vii.</u> Tanks # 102, #104, and #107 for cutback asphalt</p> <p><u>viii.</u> Tanks #: 100, 101, 105, 106, 67-72, 78 (Cutback Asphalt)</p>	<p>Regenerative Thermal Oxidizer #1</p> <p>Regenerative Thermal Oxidizer #2</p> <p>Regenerative Thermal Oxidizer #3</p> <p>Regenerative Thermal Oxidizer #4</p> <p>None</p> <p>Condenser #1</p> <p>Condenser #2</p> <p>None</p>
Group 3	Solvent Storage Tanks (EU-2)	Storage tanks ##65,66,78	Submerged Loading Pipe
Group 4	Convertors (EU-7/8)	<p>Convertors ##1 and 2</p> <p>Convertors ##6-9</p>	<p>Regenerative Thermal Oxidizer #1</p> <p>Regenerative Thermal Oxidizer #3</p>
Group 5	Loading Racks (EU-9/10)	Loading Racks: ##1-2, 4, 5, 9 and PV1	Regenerative Thermal Oxidizers ##1-4
Group 6	Coating Operations (EU 13/14/16)	<p>Coater/Coating Surge Tank;</p> <p>Asphalt Filler Mixer;</p> <p>Adhesive Melt Tank;</p> <p>Adhesive Use Tank; and</p> <p>Cooling Section</p>	<p>None</p> <p>Dust Collector</p> <p>Fiber Filter</p> <p>None</p> <p>None</p>

Group 7	Material Handling and Unloading Operations	Lower Surge Hopper; Filler Silo and Unloading; Upper Surge Hopper; Backup Upper Surge Hopper; Parting Agent Silo and Unloading; Filler Heater; Surfacing Material Silos and Unloading; Surfacing Material Surge Bin; Surfacing Material Bins; Material Surfacing Area; and Parting Agent Use Bin	Dust Collector Dust Collector Dust Collector Dust Collector Dust Collector  None Dust Collectors  Dust Collector Dust Collector None Dust Collector
Group 8	Mineral Rubber (MR) Process (EU-18)	Drying/grinding and packaging of asphalt by application of conveyor, hammer mill, and bagger	Dust Collector
Group 9	Gasoline Storage Tank	300 gal capacity storage tank	Submerged Loading Pipe

### III. EMISSIONS

This source is required to have a CAAPP permit since it is a major source of VOM, SO<sub>2</sub>, HAPs, and PM-10 emissions. The proposed permit limits the maximum annual emissions from significant emission units at the source. Insignificant activities at this source are not accounted for in the source limit.

For purposes of fees, the source is allowed the following emissions:

<u>Pollutant</u>	<u>Tons/Year</u>
Volatile Organic Material (VOM)	181.65
Sulfur Dioxide (SO <sub>2</sub> )	217.0
Particulate Matter (PM)	167.2
Nitrogen Oxides (NO <sub>x</sub> )	74.89
HAP, not included into PM or VOM	58.16
TOTAL	698.9

The Source has requested that the Illinois EPA establish conditions in the CAAPP permit that allow various refinements from the conditions of the construction permit(s), consistent with the information provided in the CAAPP application. These limits continue to ensure that the construction and/or modification addressed in the construction permit(s) does not constitute a new major source or major modification pursuant to 35 IAC Part 203, "Major Stationary

Sources Construction and Modification" and/or 40 CFR 52.21, federal "Prevention of Significant Deterioration". These limits supersede the limitations established in the construction permit(s) and the information in the CAAPP application contains the most current and accurate information for the source as further detailed in the CAAPP permit.

#### IV. APPLICABLE EMISSION STANDARDS

All emission sources in Illinois must comply with the Illinois Pollution Control Board's emission standards. The Board's emission standards represent the basic requirements for sources in Illinois.

All emission sources in Illinois must comply with the federal New Source Performance Standards (NSPS). The Illinois EPA is administering NSPS in Illinois on behalf of the United States EPA under a delegation agreement.

All emission sources in Illinois must comply with the federal National Emission Standards for Hazardous Air Pollutants (NESHAP). The Illinois EPA is administering NESHAP in Illinois on behalf of the United States EPA under a delegation agreement.

#### V. PROPOSED PERMIT

A CAAPP permit contains conditions listing the applicable state and federal air pollution control regulations that apply to a source. The permit conditions also establish emission limits and appropriate compliance procedures. The appropriate compliance procedures may include inspections, work practices, monitoring, record keeping, and reporting to show compliance with these requirements. The Permittee must carry out these procedures on an on-going basis to demonstrate that the source is operating in accordance with the requirements of the permit.

#### VI. REQUEST FOR COMMENTS

It is the Illinois EPA's preliminary determination that this source's permit application meets the standards for issuance of a CAAPP permit. The Illinois EPA is therefore proposing to issue a CAAPP permit, subject to the conditions proposed in the draft permit.

Comments are requested on this proposed action by the Illinois EPA and the proposed conditions on the draft permit. If substantial public interest is shown in this matter, the Illinois EPA will consider holding a public hearing in accordance with 35 Ill. Adm. Code Part 164.