Title V Air Operation Permit Renewal
Permit No. 0550049-009-AV

APPLICANT

The applicant for this project is E-Stone USA Corporation. The applicant's responsible official and mailing address are: Mr. Livio Magni, Plant Manager, E-Stone USA Corporation, 8041 Haywood Taylor Blvd., Sebring, Florida 33870.

FACILITY DESCRIPTION

The applicant operates the existing E-Stone facility, which is located in Highlands County at 8041 Haywood Taylor Blvd., Sebring, Florida.

This facility is a cultured granite reinforced plastics manufacturing facility. The facility is an automated open mold batch process using noncorrosive, high strength mechanical resin application. The open molding operation is non-atomized mechanical resin application with non-vapor suppressed resin. For purposes of 40 CFR 63 Subpart WWWW requirements, this facility is a new facility prior to startup.

From the molds, the slabs are polished on two polishing lines. The grinding stones used in the polishing process are manufactured at the facility.

Emissions from the facility are controlled by baghouses and regenerative thermal oxidizers.

This facility has miscellaneous unregulated/insignificant emissions units and/or activities.

PROJECT DESCRIPTION

The purpose of this permitting project is to renew the existing Title V permit for the above referenced facility.

PROCESSING SCHEDULE AND RELATED DOCUMENTS

Initial Title V Air Operation Permit issued **December 1, 2009**
Title V Air Operation Permit Revision issued **December 27, 2012**
Application for a Title V Air Operation Permit Renewal received **April, 15, 2014**
Additional Information Request dated **May 27, 2014**
Additional Information Response received **July 2, 2014**
Notice of Intent to Issue Air Permit issued **[Month day, year]**
Public Notice Published **[Month day, year]**

PRIMARY REGULATORY REQUIREMENTS

Standard Industrial Classification (SIC) Code: 3083 – Rubber and Miscellaneous Plastics Products.

North American Industry Classification System (NAICS): 326199 – All Other Plastics Product Manufacturing

Title III: The facility is identified as a major source of hazardous air pollutants (HAP).

Title IV: The facility does not operate units subject to the acid rain provisions of the Clean Air Act.

Title V: The facility is a Title V major source of air pollution in accordance with Chapter 62-213, Florida Administrative Code (F.A.C.).

PSD: The facility is not a Prevention of Significant Deterioration (PSD)-major source of air pollution in accordance with Rule 62-212.400, F.A.C.

NSPS: The facility does not operate units subject to the New Source Performance Standards (NSPS) of 40 Code of Federal Regulations (CFR) 60.

NESHAP: The facility operates units subject to the National Emissions Standards for Hazardous Air Pollutants (NESHAP) of 40 CFR 63.

CAIR: The facility is not subject to the Clean Air Interstate Rule (CAIR) set forth in Rule 62-296.470, F.A.C.

Siting: The emission units were not required to be certified pursuant to the power plant siting provisions of Chapter 62-17, F.A.C.

CAM: Compliance Assurance Monitoring (CAM) does not apply to any of the units at the facility**.**

GHG: The facility is not identified as a major source of green house gas (GHG) pollutants.

PROJECT REVIEW

This project is a permit renewal for the facility. Changes from the previous permit are shown with a ~~strikethrough format~~ for deletions and a double underline format for additions.

The emission unit numbers for the RTOs have been removed because the RTOs are control devices for the polymerizing lines. The conditions specific to the RTOs have not been removed from the permit and are associated with EU003 and EU004.

EU006 is the summation of EU003 and EU004's HAP emissions. EU006 has been removed from the permit because the conditions of the unit are redundant to Section III, Subsection B. Non-redundant conditions associated with EU006 have been moved to Section III, Subsection B.

The grinding stone manufacturing process has a small furnace subject to 40 CFR Part 63, Subpart DDDDD. The furnace is a unit designed to burn gas 1 subcategory. The Work Practice Standards of Subpart DDDDD are applicable to the unit because of the type of process heater and its maximum heat input. The process heater is not large enough to have applicable emission limits and operating limits from Subpart DDDDD. The remaining emissions from the grinding stone manufacturing process are insignificant. The operation, maintenance, reporting and recordkeeping requirements for the process heater have been added to the permit in Section III, Subsection E. The potentials to emit are summarized on the following table:

Pollutant	Emission Factor (lb/MMCF)	Potential Emissions (tons/year)
NOx	100	0.41
CO	84	0.35
VOC	5.5	0.02
SO2	0.6	0.002
PM	7.6	0.03
HAPs	1.88	0.008

The emergency generators are powered by reciprocating internal combustion diesel engines (RICE). The RICE are subject to 40 CFR Subpart ZZZZ. The operation, maintenance, reporting and recordkeeping requirements for the RICE have been added to the permit in Section III, Subsection F.

Appendix RR has been revised to incorporate new reporting forms and dates.

Appendix I has been revised to include an insignificant foam cutting and adhesion process.

Permitting notes have been removed from the permit because the notes are not enforceable conditions.

CONCLUSION

This project renews Title V air operation permit No. 0550049-004-AV, which was issued on December 1, 2009. This Title V air operation permit renewal is issued under the provisions of Chapter 403, Florida Statues (F.S.), and Chapters 62-4, 62-210 and 62-213, F.A.C.