

Plain Language Summary for New Source Review (NSR) Renewal Certification Application for Air New Source Review Permit Number 2265A

The following summary is provided for this pending air permit application being reviewed by the Texas Commission on Environmental Quality as required by 30 Texas Administrative Code Chapter 39. The information provided in this summary may change during the technical review of the application and are not federal enforceable representations of the permit application.

Norit Americas, Inc. (CN600356372) has submitted an application for renewal of permit number 2265A. The *Multi-hearth # 1 Area* (RN102609724) produces/manufactures *activated carbon* at *3200 University Ave., Marshall, Harrison County*.

This renewal will authorize the continued operation of *multi-hearth furnace #1, fugitive emissions, the post treatment process, and the maintenance, startup, and shutdown emissions*. *Norit Americas, Inc.* has certified there will be no changes to the permit. The following permitted emission rates will remain the same.

Pollutant	Total Amount Allowed (tons per year)
Particulate Matter (PM)	13.60
Particulate Matter <10 microns (PM10)	13.60
Particulate Matter < 2.5 microns (PM2.5)	13.60
Nitrogen Oxides (NOx)	46.40
Carbon Monoxide (CO)	52.71
Sulfur Dioxide (SO2)	32.89
Volatile Organic Compounds (VOC)	4.25
Hazardous Air Pollutants (HAP)	0.83

The facilities being renewed continue to be controlled by an post-combustion chamber (afterburner) and a gas scrubber. The afterburner operates at high temperature to burn many of the harmful compounds in the gas stream from the Multi-hearth furnace. This helps destroy volatile organic compounds (VOCs), carbon monoxide (CO), and other air pollutants.

After passing through the afterburner, the treated gases enter a gas scrubber. The scrubber uses recycled water removing the majority of particulate matter and gaseous pollutants.