

Plain Language Summary for New Source Review (NSR) Amendment Application for Air New Source Review Permit Number 1867A and PSDTX1032M2

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.

Tokai Carbon CB, Ltd. (CN600131171) has submitted an application for and amendment to permit number 1867A and PSDTX1032M2. The Borger Plant (RN100222413) produces/manufactures carbon black at 9455 FM 1559, Borger, Hutchinson County..

This amendment will authorize the installation of a new flare, required under the rule proposed in the April 29, 2022, issue of the Texas Register, authorize sulfuric acid mist emissions from the facility's recently installed SO2 control device, incorporate Consent Decree requirements, and make other changes to the permit conditions. Tokai Carbon CB, Ltd. has listed in the application the pollutants and amounts that will be emitted for each facility. Below is the current amount allowed, the amount to be added or removed, and the total amount for each pollutant that is proposed to be emitted each year for all the facilities.

Pollutant	Permitted Emissions (tons per year)	Emissions Added/Removed (tons per year)	Total Proposed Emissions (tons per year)
Nitrogen Oxides (NOx)	1,226.30	-637.88	588.42
Carbon Monoxide (CO)	2,632.76	0	2,632.76
Particulate Matter (PM)	624.00	0	624.00
PM with a diameter of 10 microns or less (PM10)	437.09	0	437.09
PM with a diameter of 12.5 microns or less (PM2.5)	437.09	0	437.09
Organic Compounds (VOC)	132.35	0	132.35
Sulfur Dioxide (SO2)	14,814.84	-9,800.59	5,014.25
Ammonia (NH3)	0	11.81	11.81
Hydrogen Sulfide (H2S)	75.62	0	75.62
Carbonyl Sulfide (COS)	75.62	0	75.62
Carbon Disulfide (CS2)	25.21	0	25.21
Sulfuric Acid (H2SO4)	0	116.35	116.35

The new and/or modified facilities will be controlled by selective catalytic reduction (SCR) system for NOx control and a catalytic oxidation system for SO2 control (wet sulfuric acid [WSA] system) on the tailgas boilers shared stack (EPN 119).