

Plain Language Summary for New Source Review (NSR) Renewal Amendment Application for Air New Source Review Permit Number 9804

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.

American Chrome & Chemicals Inc. (CN600125041) has submitted an application for renewal of and amendment to permit number 9804. The Elementis Chromium Corpus Christi Texas Facility (RN100210814) produces/manufactures Chromium Chemicals at 3800 Buddy Lawrence Drive, Corpus Christi, Nueces County.

This renewal will authorize the continued operation of Sodium Dichromate Plant, which includes stockpiles, cooling towers, material handling facilities, kilns, storage tanks, baghouses, wet scrubbers, and wet electrostatic precipitator. The amendment will authorize the possible storage of oxide water treatment solid solutions by various storage tanks. American Chrome & Chemicals Inc. 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/Deleted (tons per year)	Total Proposed Emissions (tons per year)
Total VOC	3.37	0	3.37
Total PM	37.90	0	37.90
PM10	37.52	0	37.52
PM2.5	37.23	0	37.23
NOx	61.32	0	61.32
CO	51.51	0	51.51
SO2	0.37	0	0.37
Total Chromium	5.7276	0	5.7276
Trivalent Chromium	4.7936	0	4.7936
Hexavalent Chromium	0.9340	0	0.9340
Sodium Hydroxide	0.2356	0	0.2356
Sulfuric Acid	0.0061	0	0.0061
Benzene	0.0001	0	0.0001
Hydrogen Sulfide	0.0929	- 0.0929	0

The facilities being renewed are controlled by baghouses, wet scrubbers, and wet electrostatic precipitator. The new and/or modified facilities will be controlled by nothing, since they are atmospheric storage tanks with negligible pollutant vapor pressures and emissions.