

Plain Language Summary for New Source Review (NSR) Amendment Application for Air New Source Review Permit Number 43833

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.

Southwest Research Institute (CN600131338) has submitted an application for an amendment to permit number 43833. Southwest Research Institute (RN100222983) is a non-profit research and development organization which conducts independent applied research for the benefit of the government, industry and the public located at 6220 Culebra Road, San Antonio, Bexar County.

This amendment will authorize a new reactor process and the associated control device. Southwest Research Institute 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)
VOC	161.80	19.26	181.06
Nitrogen Oxides	344.10	1.52	345.62
Carbon Monoxide	337.00	8.02	345.02
Particulate Matter	48.22	<0.01	48.22
Particulate Matter less than 10 microns	34.73	<0.01	34.73
Particulate Matter less than 2.5 microns	34.73	<0.01	34.73

The new facility will be controlled by a new flare. Gases from the reactor process will be piped to the flare, where the gases are combusted to lower the amount of process pollutants going into the air.