

Plain Language Summary for New Source Review (NSR) Renewal 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 renewal of permit number 43833. The 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 renewal will authorize the continued operation of emission sources at the main research campus which include engine testing, liquid storage tanks, chemical laboratories, painting booths, and parts washers. Southwest Research Institute has listed in the application the pollutants and amounts that will be emitted for each facility. Below is the total amount for each pollutant that is proposed to be emitted each year for all the facilities.

Pollutant	Proposed Emissions (tons per year)
Particulate matter	48.22
Particulate matter (less than 10 microns)	34.73
Particulate matter (less than 2.5 microns)	34.73
Nitrogen oxides	344.10
Carbon monoxide	337.00
Sulfur dioxide	40.71
Volatile organic compounds	161.80
Lead (Hazardous air pollutant)	0.25
Benzene (Hazardous air pollutant)	1.0
Silicon dioxide	0.14

The facilities being renewed continue to be operated as represented in the past with good housekeeping to minimize emissions. Good housekeeping measures can include fabric filters that capture particulate emissions, laboratory fume hoods, and a flare which combusts gases, reducing what is released to the air.