

Plain Language Summary for New Source Review (NSR) Initial Application for Air New Source Review Permit Number 182290

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.

Eco Services Operations Corp. (CN605004464) has submitted an application for initial permit number 182290. The Chem32 Plant (RN101468304) is a batch catalyst processing facility at 3007 Burnet St., West Orange, Orange County, TX 77630.

This permit will authorize the reactivation of solid oil refining catalysts in sulfiding vessels using a mixture of hydrogen sulfide (H₂S), nitrogen, and hydrogen gases. Eco Services Operations Corp. 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)
VOC	2.76
NOx	1.43
CO	0.88
PM10	0.40
PM2.5	0.28
SO ₂	1.47
H ₂ S	0.90
H ₂ SO ₄	0.45
HAPs	0.03
Exempt Solvents	0.01

Process gases from the process trains 1-4 are controlled with a thermal oxidizer and scrubber system. All catalyst packaging and handling is performed inside an enclosed building for dust control. Drift eliminators control cooling tower PM. 28PI and 28AVO programs reduce fugitive emissions. Saltwater tank and reactor venting emissions are routed through a scrubber.