

Plain Language Summary for New Source Review (NSR) Renewal Application for Air New Source Review Permit Number 2023

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.

Union Carbide Corporation (UCC) (CN601688781) has submitted an application for renewal to permit number 2023. UCC Seadrift Operations (RN102181526) is an industrial organic chemical manufacturing plant that produces polyethylene at UCC Seadrift Operations' site located in Seadrift, Calhoun County.

This renewal will authorize the continued operation of polyethylene production at the UCC Seadrift Operations. UCC has listed in the application the pollutants and amounts that will be emitted at this facility. Below is the total amount for each pollutant that is proposed to be emitted each year for all the facilities.

Pollutant	Total Proposed Emissions (tons per year)
CO	31.69
NO _x	5.65
VOC	137.46
PM	33.39
PM ₁₀	33.39
PM _{2.5}	33.39
Acetone	1.99
Ethylene	263.89
Vinyl Acetate	40.63
Ethyl Acrylate	0.07
Propylene	12.5
Toluene	0.02
Vinyltrimethoxysilane	0.01
Mineral Spirits	0.01
Acetophenone	9.64
Cumene	2.49

Pollutant	Total Proposed Emissions (tons per year)
Phenol	2.49

The facilities being renewed, that require control, continue to be controlled by a flare.

TCEQ - (APD-ID 108v1.0, Revised 04/22) Plain Language Summary for NSR Renewal Amendment (English)
This form is for use by sources subject to air quality permit requirements and may be revised periodically.