

**Plain Language Summary for New Source Review (NSR) Renewal
Application for Air New Source Review Permit Number 6361**

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 6361. UCC Seadrift Operations (RN102181526) is an industrial organic chemical manufacturing plant that produces catalyst material 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	96.62
NO _x	12.16
VOC	64.74
SO ₂	0.45
PM (Including catalyst dust)	0.61
PM ₁₀ (Including catalyst dust)	0.61
PM _{2.5} (Including catalyst dust)	0.61
Toluene	0.03
Chlorobenzene	4.34
Titanium Tetrachloride	0.44
Aliphatic Alcohol or Glycol Ethers	0.79
o-Cresol	0.47
n-Hexanol	0.01
HCl	9.74
Ethylene Glycol	0.12
Isopentane	0.02
NH ₃	0.05

Pollutant	Total Proposed Emissions (tons per year)
Silica Dust	0.02
Chromium	0.01
MgCl ₂	0.05
TiCl ₃	0.03

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.