

## Plain Language Summary for New Source Review (NSR) Amendment Application for Air New Source Review Permit Number 95

*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.*

INEOS SA LLC (CN602817884) has submitted an application for amendment to permit number 95. The Chocolate Bayou Plant (RN100238708) will produce/manufacture a variety of chemicals at the site located 2 miles south of the intersection of FM 2917 and FM2004, Alvin, Brazoria County.

This amendment will authorize the process changes to improve the safety and reliability of the two Butadiene Extraction Units (BEUs) which are currently affected by fouling of crude butadiene feedstock and by oligomerization within the units. INEOS USA LLC 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.

<b>Pollutant</b>	<b>Permitted Emissions (tons per year)</b>	<b>Emissions Added/Removed (tons per year)</b>	<b>Total Proposed Emissions (tons per year)</b>
VOC	942.64	8.62	951.26
PM	212.12	0.00	212.12
PM10	160.51	0.00	160.51
PM2.5	157.92	0.00	157.92
NO <sub>x</sub>	1736.25	0.50	1736.75
CO	1564.72	2.59	1567.31
SO <sub>2</sub>	61.01	< 0.01	61.02
1,3 Butadiene	104.73	6.26	110.99
Ethylene	337.21	0.04	337.25
Propylene	353.51	0.04	353.55
Benzene	13.68	< 0.01	13.69
Chlorine	0.02	0.00	0.02
NH <sub>3</sub>	75.77	0.00	75.77

The new and/or modified facilities will be controlled by implementing good operating practices, combustion devices such as flares and implementation of TCEQ leak detection and repair monitoring programs.