

**Plain Language Summary for New Source Review (NSR) Renewal Amendment  
 Application for Air New Source Review Permit Number 18327**

*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.*

Lyondell Chemical Company (CN600344402) has submitted an application for renewal of and an amendment to permit number 18327. The Catalyst Recovery Unit at the Bayport Choate Plant (RN102523107) produces/manufactures propylene oxide, tertiary butyl alcohol, and derivatives at 10801 Choate Rd, Pasadena, Harris County.

This renewal will authorize the continued operation of the Catalyst Recovery Unit. The amendment will authorize the incorporation of Permit by Rule Registration No. 161912 and updates to the fugitive emissions and Special Conditions. Lyondell Chemical Company 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/Deleted (tons per year)</b>	<b>Total Proposed Emissions (tons per year)</b>
<b>VOC</b>	<b>15.52</b>	<b>0.79</b>	<b>16.31</b>
<b>NO<sub>x</sub></b>	<b>28.08</b>	<b>2.51</b>	<b>30.59</b>
<b>CO</b>	<b>8.94</b>	<b>2.06</b>	<b>11.00</b>
<b>PM</b>	<b>5.39</b>	<b>0</b>	<b>5.39</b>
<b>PM<sub>10</sub></b>	<b>4.07</b>	<b>0</b>	<b>4.07</b>
<b>PM<sub>2.5</sub></b>	<b>4.07</b>	<b>0</b>	<b>4.07</b>
<b>SO<sub>2</sub></b>	<b>0.16</b>	<b>0.01</b>	<b>0.17</b>

The facilities being renewed are controlled by the Catalyst Recovery Unit furnace. The new and/or modified facilities will be controlled by the Catalyst Recovery Unit furnace.