

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

*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.*

Southern Ionics Incorporated (CN601442981) has submitted an application for an initial permit. The Pasadena Plant (RN100639988) manufactures inorganic chemicals at 12901 Bay Park Road, Pasadena, Harris County.

This permit will authorize current operations and incorporate several Permit by Rule (PBR) authorizations. The initial permit will authorize several production equipment such as storage tanks, a cooling tower, scrubbers, fugitive components, loading operations, reactors, and aggregate handling equipment. Southern Ionics Incorporated 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.

<b>Pollutant</b>	<b>Proposed Emissions (tons per year)</b>
VOC	3.11E-3
PM	1.29
PM <sub>10</sub>	0.49
PM <sub>2.5</sub>	0.31
NO <sub>x</sub>	0.32
CO	0.28
SO <sub>2</sub>	1.76
H <sub>2</sub> S	0.01
H <sub>2</sub> SO <sub>4</sub>	2.85

Some equipment will be controlled by two sulfuric acid scrubbers, each with a removal efficiency of 99%.