

## Plain Language Summary for New Source Review (NSR) Initial Application for Air New Source Review Permit Number 172175

*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.*

Cubic Perovskite, LLC (CN606120863) has submitted an application for initial Permit Number 172175. The Cubic Perovskite, LLC (RN111702452) will produce/manufacture wafers for the semiconductor industry; it is located West of South Farm-to-Market 494 and South of Old Military Road, McAllen, Hidalgo County.

This permit will authorize the manufacturing of silicon wafers for the semiconductor industry. There will be silicon wafer cutting and grinding, acid and caustic bath treatments, emergency engines and cooling towers at the site. Cubic Perovskite, LLC., 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>
Particulate Matter	46.296
Particulate Matter 10 micron	43.774
Particulate Matter 2.5 micron	1.735
NOX	55.644
SOX	6.627
Volatile Organic Compounds	62.949
Carbon Monoxide	30.237
HAPs	0.107
CO2e	5,272
Hydrofluoric Acid	0.013
Nitric Acid	0.010
Lactic Acid	0.038
Hydrogen Peroxide	0.008
Diethylene Glycol Butyl Ether	0.002
Ethylene Glycol Butyl Ether	0.909

The new facilities will be controlled by fabric filters, acidic scrubbers, and caustic scrubbers.