

## **Plain Language Summary for New Source Review (NSR) Amendment Application for Air New Source Review Permit Number 19778**

*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.*

Nutrien US LLC (CN600128227) has submitted an application for an amendment to permit number 19778. The Borger Plant (RN101865715) manufactures anhydrous ammonia and urea at 9201 FM 1551, Borger, Hutchinson County.

This amendment proposes to authorize the following changes at the Borger Plant.

- Addition of an atmospheric refrigerated ammonia storage tank (not a direct emissions source);
- Addition of a flare associated with the new ammonia storage tank;
- Addition of piping fugitive components associated with the new ammonia storage tank;
- Authorize hourly and annual urea granulation and melt throughput increases and the operation of a granulation low dust nozzle;
- Permanently shutdown prilling operations and removal of associated fugitive emission sources;
- Increase the throughput of the two existing activated methyldiethanolamine (a-MDEA) storage tanks and update tank emissions per latest AP 42 Section 7;
- Incorporate by consolidation of Pollution Control Project Standard Permit (PCP SP) Nos. 172182 and 173477;
- Update Tank UF-85 tank content vapor pressure representation and emission calculations and remove the Special Condition No. 21 Carbon Adsorption System (CAS) requirements;
- Update shift converter emission calculations to increase hourly and annual emissions;
- Authorize the ammonia converter replacement and associated equipment changes which result in actual ammonia production increase without increasing the current permit limit; and
- Authorize upstream and downstream project-related emission increases.

Nutrien US 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 under the New Source Review Permit.

<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	26.90	0.05	26.95
PM	157.50	12.23	169.73
PM <sub>10</sub>	149.71	12.10	161.82
PM <sub>2.5</sub>	127.97	10.86	138.84
NO <sub>x</sub>	326.61	0.18	326.79
CO	176.82	32.54	209.36
SO <sub>2</sub>	7.12	0.00	7.12
NH <sub>3</sub>	599.21	73.72	672.93
Cl <sub>2</sub>	0.16	0.00	0.16
H <sub>2</sub> SO <sub>4</sub>	0.01	0.00	0.01

The new and/or modified facilities will continue to meet TCEQ BACT. There is no additional emissions control required for the facilities being amended under this NSR permit.