Plain Language Summary for New Source Review (NSR) Initial Application for Air New Source Review Permit Number 175239

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.

Consolidated Nuclear Security, LLC (CN604601344) has submitted an application for initial permit number 175239. The High Explosives Synthesis, Formulation, and Production Facility (HESFP) (RN100210756) will produce/manufacture explosives at 955 FM 2373, Panhandle, Carson County.

This permit will authorize the HESFP facility, which will be comprised of five primary buildings: Main Building; Storage & Packaging Magazines; Covered Ramp; a Blending Building, and Chemical Storage area. The Main Building will house High Explosive synthesis, formulation, staging, and administrative functions. The Blending Building will house product blending functions. The Chemical Storage area will house portable chemical containers, with an adjacent tank farm. Consolidated Nuclear Security, 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.

Pollutant	**Proposed Emissions (tons per year)**
anhydrous ammonia	0.17
carbon monoxide	0.28
Hazardous Air Pollutants	4.83
nitrogen oxides	0.14
volatile organic compounds	10.34
PM	9.89
PM_{10}	9.89
$PM_{2.5}$	9.89
sulfur dioxide	0.01
sulfur trioxide	0.05
nitric acid	4.08
sulfuric acid	0.13

Particulate emissions from the new facilities will be controlled/reduced by venting through wet particulate air scrubbers. Acid vapors will be reduced by venting through caustic air scrubber. Volatile organic compound and ammonia emissions will be reduced by venting through gas adsorption systems.