

**Texas Commission on Environmental Quality
Air Permits Division**

New Source Review (NSR) Boiler Plate Special Conditions

This information is maintained by the Mechanical/Agricultural/Construction NSR Section and is subject to change. The last update was made to this document **January 2010**. These special conditions represent current NSR boiler plate guidelines and are provided for informational purposes only. The special conditions for any permit are subject to change through TCEQ case by case evaluation procedures. Please contact the NSR Mechanical/Agricultural/Construction Section management if there are questions related to the boiler plate guidelines.

Anhydrous Ammonia Facility

SPECIAL CONDITIONS

Permit Number 00000

EMISSION LIMITATIONS

1. This permit covers only those sources of emissions listed in the attached table entitled "Emission Sources - Maximum Allowable Emission Rates," and those sources are limited to the emission rates and other conditions specified in the table.

OPERATIONAL LIMITATIONS, WORK PRACTICES, AND PLANT DESIGN

2. This permit allows for the construction of one 12,000 gallon and one 8,000 gallon permanent anhydrous ammonia (NH₃) storage tank. No changes shall be made to the above capacities without prior approval by the Texas Commission on Environmental Quality (TCEQ).
3. All valves, connectors, and hoses associated with NH₃ handling shall be properly maintained in leak-proof condition at all times.
4. When transferring NH₃, all vapors shall be vented back to the host tank and never to the atmosphere.
5. When relieving pressure from connectors and hoses associated with permanent storage tanks and any nurse tanks, all NH₃ vapors shall be bled into an adequate volume of water reserved for this purpose and never to the atmosphere.
6. Each permanent NH₃ storage tank and any nurse tanks stored on-site shall be equipped in such a manner that will prevent unauthorized operation.

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7. A barrier shall be erected and maintained around the permanent NH₃ storage tanks to prevent accidental ruptures due to collisions with vehicular traffic.
8. All pressure relief valves on permanent storage tanks shall be equipped with a rupture disc. A pressure gauge shall be installed between the relief valve and rupture disc to monitor disc integrity. All leaking discs shall be replaced at the earliest opportunity. *This condition is only used for facilities located within close proximity to nearby residences, businesses, and/or schools, or if without application of this control the GLC is greater than the ESL*
9. A water spray system shall be installed to minimize NH₃ emissions in the event of a release/rupture of one or both permanent storage tanks.
10. All in-plant roads, truck loading and unloading areas, parking areas, and other traffic areas shall be sprinkled with water, and/or be treated with effective dust suppressant(s), and/or be paved (with a cohesive hard surface) and cleaned as necessary to maintain compliance with all TCEQ rules and regulations.

PIPING, VALVES, PUMPS, AND COMPRESSORS IN NH₃ SERVICE

11. Audio, visual, and olfactory checks for NH₃ leaks within the operating area and within the nurse tank storage area shall be made once per day during normal business hours.
12. Immediately, but no later than five hours upon detection of a leak, plant personnel shall take the following actions:
 - A. Isolate the leak.
 - B. Commence repair or replacement of the leaking component.
 - C. If immediate repair is not possible, a leak collection/containment system shall be used to prevent the leak until repair or replacement can be made.

RECORDKEEPING REQUIREMENTS

13. Records of all repairs and replacements made to equipment associated with the handling of NH₃ shall be maintained at this facility and made available at the request of personnel from the TCEQ or any other air pollution control program having jurisdiction. These records shall be retained for a rolling 24-month period.
14. Records of all audio, visual, and olfactory checks for NH₃ shall be maintained at this facility and made available at the request of personnel from the TCEQ or any other air pollution control program having jurisdiction to demonstrate compliance with permit limitations.

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These records shall include the dates and times the checks are performed and the results of these checks. These records shall be retained for a rolling 24-month period.

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