

*PERMIT by RULE TECHNICAL REVIEW*

**Company:** Halliburton Energy Services, Inc., Houston, Texas

**Registration Number:** X **Record Number:** 80847 **Account ID No.** JG-0014-H

**Contact Name:** Mr. Jim Claunch, Company Vice President

**Contact Name:** Ms. Estefania Dussan, Company Environmental Technician

**Telephone Number:** (281) 575-4071 for Ms. Dussan **Fax Number:** (281) 575-3188

**Description/Name of Facilities and Processes Claimed:** This registration request is concerning the new installation and operational use of one 6,000-gallon storage tank (Emission Point No.: ClayFix Tank No. S-6) at the Alice Texas Oilfield Service Center located near the City of Alice, in Jim Wells County, Texas.

This tank will be used to store a non-volatile aqueous salt compound (tetramethylammonium chloride) which is used in the completion of oil, gas and water well drilling operations. It has been represented that this storage tank's **annual** throughput is estimated at 90,000 gallons of tetramethylammonium chloride.

A Material Safety Data Sheet (MSDS) has been supplied for this product. The product trade name is ClayFix-II Material (an amber colored liquid). It is an aqueous salt solution used as an application additive. Its composition is comprised of 30-60 weight percent alkylated quaternary chloride. This compound has a pH of 4 to 9 (neat), a boiling point range of 216 degrees Fahrenheit, and a vapor pressure @ 20 C (mmHg) of 25.

The addition of this storage tank does not constitute a major modification, as defined in 30 TAC 116.12, nor will the storage of tetramethylammonium chloride (which does not emit VOCs, PM10 or any other air contaminant) increase this sites existing air pollutant emission rate.

Halliburton Energy Services, Inc. proposes, under Chapter 106, **Section 472**, for the new installation and operational use of the ClayFix Storage Tank No. S-6, in service for the storage of tetramethylammonium chloride, at the Alice Texas Oilfield Service Center.

**Sources/Emissions/Control Summary:** Emissions associated with the loading, unloading and temporary storage of this compound are consider to be negligible.

**PSD or Nonattainment Netting Required:** NO \_\_\_\_\_ **Submitted:** N/A

**NSPS:** N/A \_\_\_\_\_ **NESHAPS:** N/A

**Emission Reductions Due to the NSR:** NONE

**Site Review Required:** NO \_\_\_\_\_ **Performed by/date:** N/A

**Public Notice Required:** NO \_\_\_\_\_ **Approved:** N/A

**Meets all general and specific requirements:** YES (a favorable concurrence letter and technical review e-mailed directly to Austin for processing on 7-19-01 (as Angel Tomasino is out for training 7-16 through 7-20, 2001).

**Reviewed By:** Robert Walts \_\_\_\_\_ **Team Leader:** Angel Tomasino

**Date:** \_\_\_\_\_ July 19, 2001 \_\_\_\_\_ **Date:** \_\_\_\_\_