

CHEMICAL DIVISION
STANDARD EXEMPTION REGISTRATION REVIEW

Company: Beal Aerospace Technologies, Inc.

Registration Number: 42133 Record Number: 67900

Contact Name: Steve Burton
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Description of Overall Unit: The company has submitted a request for a hydrogen peroxide concentrator (70 to 90%), storage of 70 and 90% hydrogen peroxide, storage of fuel oil, and static rocket firing.

Description of Facilities/Processes Claimed in this Registration and Exemptions Claimed: The company claims that all Exemption 106.262 requirements are met. The company needs to claim the appropriate permit by rule number for any tank construction.

Sources, Emissions and Control Summary: The company has declared zero hydrogen peroxide emissions from the concentration process, storage and rocket firing. The concentrator works by starting with 70% H2O2 and flows dry air through the solution to pick up water concentrating the H2O2. The vapor pressure of H2O2 is 1 mm of Hg at 15.3 oC. The limit for hydrogen peroxide is 0.188 lbs/hr with 3000' to the nearest receptor. The company has approx. 90,000 gal of tank fuel oil capacity in 18 storage tanks. A call was made for the hydrogen peroxide storage volume. The answer of approx. 180,000 gal came back.

PSD or Nonattainment Netting Required? No Submitted? _____
NSPS: No NESHAPS No Emission Reduction None

All General and Specific Conditions are met? No

Reviewed By: John Gott Team Leader: _____
Date: 8-31-99 Date: _____