

# Texas Molecular US Army Demilitarization

- **Special Capabilities For Large Demilitarization Projects**
  - » Large storage and injection capacity to manage large volume projects
  - » Segregated tank capacity available
  - » No pretreatment or discharges to limit capacity
  - » Cost and time effective versus other offsite technologies
  - » Permits include management of hydrolysates and other effluents
  - » Available facilities for US Army Contractors and Treaty Visits
  - » Good relationship and communication with local, county and state stakeholders
  - » Track record of success on large demilitarization projects
- **US Army Demilitarization Experience**
  - » **Pine Bluff, AR, (PBCDF). Scrubber Brine from US Army Chemical Agent Incinerator**
    - Approximately 7500 tank truck shipments
    - Task included transportation, trailer rental (up to 40 trailers), and disposal.
    - About 38,000,000 gallons received and injected.
  - » **Tooele, UT (TOCDF). Spent Nitric Acid from Lewisite Destruction**
    - Worked with TOCDF Contractor to reduce cost and time of project by eliminating need and cost of on-site neutralization of spent Nitric Acid.
    - Acid stored in segregated tank and injected by itself.
    - 4 tank truck shipments.
  - » **Pine Bluff, AR. (NSCMP). Managed Hydrofluoric Acid and Non Hazardous Neutralants from destruction of binary compounds (Schedule 2b). Operated Wet Air Oxidation (WAO) system**
    - Project to manage 2 neutralized wastewaters
      - Storage of neutralants including 9% HF for almost 1 year in dedicated tanks. This enabled the US Army to destroy binary agent treatment system to maintain Treaty schedule.
      - US Army provided the WAO and prime contractor. The WAO was operated by Texas Molecular.
      - The project included a number of visits by Treaty personnel.
    - Full and open discussion with local and state stakeholders before, during and after project. No opposition to project or permits.
      - Local and State of Texas elected officials
      - State of Texas regulators (TCEQ)
      - Deer Park Citizens Advisory Committee and
      - Deer Park Newspaper articles and interviews
      - Regular updates to all stakeholders during and after project completion
    - Project completed safely, ahead of time, and below budget
  - » **Super Critical Water Oxidation (SCWO). Hosted demonstration project at our Corpus Christi facility in the late 1990s.**
- **Contact For Additional Information**
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