

STATEMENT OF WORK
FOR TEOFILLO A. ABRAJANO, JR.

Work for Teofilo A. Abrajano, Jr. will consist of literature review and report writing activities in support of CNWRA technical assistance work related to Tank Waste Remediation System (TWRS) licensing.

Specific activities are anticipated to include:

- review U.S. Department of Energy reports and other published documents pertaining to flammable gas generation in Hanford tank wastes due to radiolysis effects, high-heat generation in Hanford wastes due to radioactive decay, and exothermic chemical reactions involving organic substances in Hanford wastes,
- write sections or chapters of CNWRA reports discussing the above subjects,
- evaluate geochemical techniques, such mass spectrometry and the use of stable and radioactive isotopes, in determining the extent of chemical and radioactive contamination at the Hanford site, and
- identify important thermodynamic and other data which are important in safety assessments of the Hanford TWRS for which adequate data is lacking.

Additional activities may be identified in the future.