

Appendix A-2 Residual Radioactivity Evaluations for Individual Facilities

FACILITY NAME: Texas City Chemicals, Inc.
Texas City, Texas

ALSO KNOWN AS: American Oil Company
Morden, Incorporated
Smith Douglass
Amoco Chemical Company

TIME PERIOD: October 5, 1953 – September 1955; Residual Radiation 1957 - 1977

FACILITY DESCRIPTION:

DOE Office of Health, Safety and Security Website:

Texas City Chemicals, Inc. produced uranium by recovery of U_3O_8 from a phosphate fertilizer production plant. The AEC contracted with Texas City Chemicals for the recovery of uranium which was ultimately used in weapons production.

DISCUSSION:

Contract specifications identify that as much as 12 tons of U_3O_8 per year may have been produced at the plant during the contract years of 1952-1956.

Texas City Chemicals subsequently declared bankruptcy in 1956, and the facility in which the uranium was produced was demolished at an unknown time after that.

A preliminary survey conducted by ORNL in 1977 (issued in 1980), did not identify radiation/contamination levels above what would normally be expected at a phosphate fertilizer plant in that region of the country. The facilities associated with AWE work had been demolished at some time prior to this survey.

INFORMATIONAL SOURCES:

The sources of information used in this evaluation included:

- DOE Office of Health, Safety and Security Website
- Preliminary Survey of Texas City Chemicals, Inc. (Borden Chemical Division of Borden, Inc.) Texas City Texas; March 1980.

EVALUATION FINDINGS:

Documentation reviewed indicates that there is a potential for significant residual contamination outside of the period in which weapons-related production occurred.

PERIOD OF POTENTIAL RESIDUAL CONTAMINATION

October 1955 - 1977