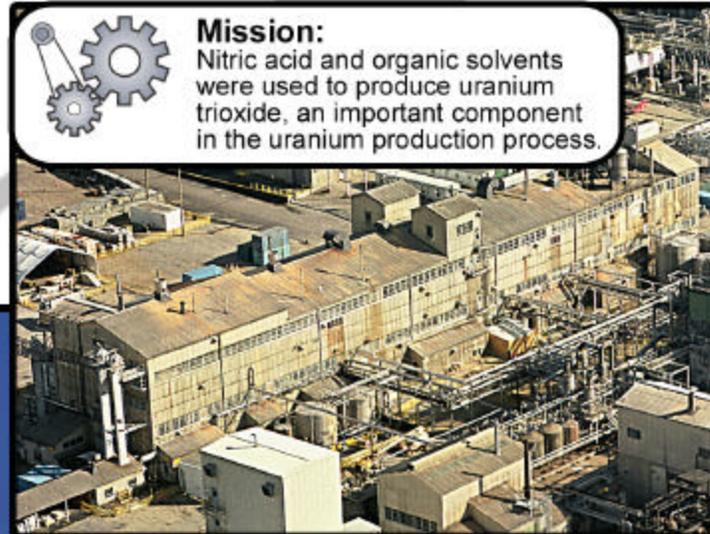




# Plant 2, Ore Refinery Plant



**Mission:**  
Nitric acid and organic solvents were used to produce uranium trioxide, an important component in the uranium production process.



**Demolition Completion:**  
**Sept. 2003**



**Demolition Insight:**  
Plant 2 was the first to be demolished with some process systems left in place. This approach distanced workers from known work hazards and reduced demolition costs.



**Interesting Fact:**  
Plant 2 was divided into three areas - digestion, extraction and denitration. Digestion involved acid leaching uranium and filtering low-grade residues. Extraction selectively separated soluble UNH from dissolved impurities using an organic solvent. Denitration was used to boil off acidic aqueous solvent to make uranium trioxide ( $UO_3$ ).



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**Fluor Fernald**

**2006**  
**FERNALD**  
*committed to Safe closure*