

8.11A PBS SR-0011A, Nuclear Materials Stabilization and Disposition-2006

8.11A.1 Background

At the end of the Cold War, the Department of Energy (DOE) was left with a large inventory of nuclear materials in various forms (raw materials, in-process, finished products) and stored in many locations (vaults, reactor basins, etc.). With the decreased need for nuclear materials for the national security mission, the SRS focus shifted from nuclear materials production to nuclear materials stabilization. Issuance of the Defense Nuclear Facilities Safety Board (DNFSB) Recommendation 94-1 to stabilize "at-risk" nuclear materials, which might pose a significant risk to the safety of the workers, the public, and/or the environment, provided further impetus for these materials stabilization activities.

This PBS included the execution of two line item projects intended to support the safe operation of existing nuclear material facilities and packaging of plutonium metals and oxides to support extended storage.

8.11A.2 End State

The end state for this PBS was the completion of all project activities and turn over of the FB-Line Packaging and Stabilization facility to operations in PBS-0011B.

8.11A.3 Scope and Description

This PBS provided construction funding for two line item projects: Canyon Exhaust Upgrade project and the FB Line Packaging and Stabilization project. The Canyon Exhaust Upgrade project provided improvements to the exhaust system for the F and H Canyon facilities. The FB Line Packaging and Stabilization project provided the capability to stabilize and package plutonium to the DOE-STD-3013 criteria for storage of plutonium. Both of these projects have been completed.

8.11A.4 Responsibilities

Not Applicable. No further action required.

8.11A.5 Schedule

Not Applicable. No further action required.

8.11A.6 Resources

Not Applicable. No further action required.

8.11A.7 Key Assumptions, Agreements, Alternatives, Trade-offs, and Risk Management

Not Applicable. No further action required.

8.11A.8 Performance Monitoring and Evaluation

Not Applicable. No further action required.

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