

**Recommendation 2004-2: High Priority Facility Ventilation System Evaluations  
Status Listing as of May 30, 2007**

Facility	Site/ Location	Description	Related Commitment	Status
234-5Z	RL	Plutonium (Pu) processing and fuel storage facility.	8.6	<p>Changed to NB-5 per memorandum, Keith A. Klein to J. A. Rispoli, SED:MWJ/06-SED-0166, August 7, 2006</p> <p>Has approved 10 CFR 830 compliant safety basis and scheduled to reduce radioactive material inventory to &lt;HC-3 within 10 years per TPA milestone. Planning is to start reducing the inventory in 2008 with completion prior to 2016.</p>
2736-ZB	RL	Pu stabilization and storage facility.	8.6	<p>Changed to NB-5 per memorandum, Keith A. Klein to J. A. Rispoli, SED:MWJ/06-SED-0166, August 7, 2006</p> <p>Has approved 10 CFR 830 compliant safety basis and scheduled to reduce radioactive material inventory to &lt;HC-3 within 10 years per TPA milestone. This facility supports the 2736-Z vault. When the vault inventory is removed, this facility will be deactivated, which is planned to be well before 2016.</p>
CSSC	SRS	<p><b>Major Modification:</b> Installing 3013 container storage and surveillance capability. Includes installation of ventilation, power, furnaces, and storage racks.</p> <p>CD-1 schedule to be complete on 11/1/05</p> <p>Completion Date 3/09</p>	8.1	<p>Facility Evaluation Complete for Commitment 8.6.3</p> <p>IRP Report and Gap Analysis Complete for Commitment 8.6.5</p>

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PuVIT	SRS	<p><b>Major Modification:</b> Installing Plutonium disposition capability. Includes installation of ventilation, melter, and milling process.</p> <p>CD-0 approved 9/6/05</p> <p>Completion Date 2012</p>	8.1	<p>Facility Evaluation Complete for Commitment 8.6.3</p> <p>IRP Report and Gap Analysis Complete for Commitment 8.6.5</p>
	SRS	<p><b>Major Modification:</b> Defense Waste Processing Facility (DWPF) recycle evaporator</p> <p>Pre-conceptual design is on hold</p> <p>Completion: Modification complete and operational when Salt Waste Processing Facility (SWPF) commences operation in 2009.</p>	8.1	<p>Project has yet to start. No data available to perform evaluation for commitment 8.6.3. Evaluation to be performed when project commences and appropriate data developed.</p>
	SRS	<p><b>Major Modification:</b> High-Level Waste (HLW) vitrified glass canister loading facility. Envisioned as a Hazard Category 2 segment of the DWPF.</p> <p>Design to commence 2009</p> <p>Completion: Operational for shipping in 2012</p>	8.1	<p>Project has yet to start. No data available to perform evaluation for commitment 8.6.3. Evaluation to be performed when project commences and appropriate data developed.</p>

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SWPF	SRS	<p><b>New Facility:</b> Design and construction of an SWPF</p> <p>CD-1 completed in 2004. CD-2 has been delayed. PDSA developed and undergoing review.</p> <p>Construction: 9/08</p> <p>Commence Operation: 7/09</p> <p>Note: Significant Review conducted and ventilation strategy established.</p>	8.1	Detailed Design of SWPF reviewed by Project and DNFSB Staff. Design accepted outside the scope of DNFSB 2004-2.
DuF6 Conversion	Portsmouth Gaseous Diffusion Plant	New Facility: Depleted Uranium Hexafluoride (UF6) Conversion Facility. Facility designed to convert UF6 to a stable oxide. The UF6 generated from the gaseous diffusion process is depleted in the U-235 isotope.	8.1	Facility Evaluation Complete for Commitment 8.6.3
DuF6 Conversion	Paducah Gaseous Diffusion Plant	New Facility: Depleted Uranium Hexafluoride (UF6) Conversion Facility. Facility designed to convert UF6 to a stable oxide. The UF6 generated from the gaseous diffusion process is depleted in the U-235 isotope	8.1	Facility Evaluation Complete for Commitment 8.6.3
PT	ORP	Separates Tank Waste into high and low activity fractions for Processing	8.6	Facility Evaluation Complete for Commitment 8.6.3

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HLW	ORP	Converts high activity waste into glass	8.6	Facility Evaluation Complete for Commitment 8.6.3
IWTU	INL/INTEC	Treatment of sodium bearing liquid waste currently located in the INTEC Tank Farm	8.1	Detailed Design of IWTU reviewed by Project and DNFSB Staff. Design accepted outside the scope of DNFSB 2004-2.
	INL/INTEC	New Facility: Packaging and possible treatment (decision in 2009) of calcine destined for monitored geologic repository	8.1	Project has yet to start. No data available to perform evaluation for commitment 8.6.3. Evaluation to be performed when project commences and appropriate data developed.
WMF-636	AMWTP- INL	Storage building for low level and transuranic mixed waste and remote drum venting. (HC 2)	8.8	Consolidated Facility Evaluation Complete for Commitment 8.6.3
WMF-615	AMWTP- INL	Primary and Secondary venting of transuranic mixed waste drums. (HC 2)	8.8	Consolidated Facility Evaluation Complete for Commitment 8.6.3

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WMF-676	AMWTP-INL	Treatment and storage of transuranic mixed waste. (HC 2)	8.8	Consolidated Facility Evaluation Complete for Commitment 8.6.3
WMF-635	AMWTP-INL	Treatment and storage of transuranic mixed waste. (HC 2)	8.8	Consolidated Facility Evaluation Complete for Commitment 8.6.3
WMF-634	AMWTP-INL	Treatment and storage of transuranic mixed waste. (HC-2)	8.8	Consolidated Facility Evaluation Complete for Commitment 8.6.3
3019A	ORO/ORNL	<p>Existing -- Former radio-chemical processing laboratory. Currently depository for storage of U-233. Facility is generally in surveillance and maintenance with limited sampling and repackaging activities. The complex has active ventilation that is not credited as a safety system. (HC 2)</p> <p>Note: Responsibility for U-233 disposition has recently been transferred to EM.</p> <p><b>Major Modification:</b> Upgrades to disposition U-233 are anticipated for this facility.</p>	8.1/8.8	<p>Project received CD-2 approval on 5/25/07. Facility being maintained in surveillance and maintenance status with new DSA being developed. Performing DNFSB 2004-2 evaluation for major modifications deferred until completion of new DSA. Due to delays, ORO has directed contractor to complete DNFSB 2004-2 review of current facility based on current DSA. Table 4.3 scheduled to be complete 7/27/07, Table 5.1 scheduled to be complete 9/3/07, and the final report 11/01/07. . (Reference: ORO Memo Ronald T. Ooten to Dr. Todd Butz, Performance of Confinement Ventilation System Evaluations in Response to DNFSB Recommendation 2004-2, <i>Active Confinement Systems</i>, April 27, 2007, and Isotek Systems, LLC Memo, Dr. Todd Butz to Ron Ooten, Isotek Task Plan for Performance of confinement ventilation system evaluations in response to DNFSB Recommendation 2004-2, <i>Active Confinement Systems</i>, May 25, 2007.</p>