

Office of River Protection Analytical Building Blocks  
FY 2012 - DRAFT  
(\$ in 000's)

PBS	ABB	FY12	FY12 Cumulative	FY12 Description
ORP-0014	Tank Operations	\$260,929	\$260,929	Provides funding to maintain the activities required for the continued safe storage of waste in the DSTs and SSTs, maintains systems in a safe and operable condition, provides on-going Single-Shell Tank integrity evaluations, safe and compliant operation of the 222-S, operations and maintenance of the 242-A Evaporator, and essential site services including electricity, water, fire protection and Emergency Response.
ORP-0014	Tank Operations Upgrades	\$10,491	\$271,420	Funding supports the replacement of aging equipment. The equipment and installation is necessary to provide the tank farms with operating and reliable systems for delivery of feed to the Waste Treatment and Immobilization plant, continued safe operations, and to support waste retrieval of the Single-Shell tanks. Activities include 242-A upgrades, 222-S Laboratory upgrades, AP Primary Exhauster Replacement and SY-102 Feed Delivery System Upgrades.
ORP-0060	WTP Analytical LAB, Balance, LAW, HLW	\$315,000	\$586,420	Funding supports the Waste Treatment and Immobilization Plant which is critical to the completion of the Hanford tank waste program by providing the primary treatment capability to immobilize (vitrify) the radioactive tank waste at the Hanford Site. Funding also supports continued construction of the Low Activity Waste (LAW), Analytical Laboratory (LAB), Balance of Facilities (BOF), and High Level Waste facility (HLW).
ORP-0060	WTP Pretreatment	\$375,000	\$961,420	Funding supports the Waste Treatment and Immobilization Plant which is critical to the completion of the Hanford tank waste program by providing the primary treatment capability to immobilize (vitrify) the radioactive tank waste at the Hanford Site. Funding also supports continued construction of the Pretreatment facility (PT).
ORP-0014	C - Farm Tank Waste Retrieval	\$70,042	\$1,031,462	Funding supports retrieval activities in C Farm. Planned activities include bulk retrieval of C-112 and hard heel removal from C-104 and C-109. Retrieval will be initiated on C-105 and C-101.
ORP-0014	A - Farm Tank Waste Retrieval	\$10,091	\$1,041,553	Funding supports the initiation of A Farm Infrastructure Upgrades in support of retrieval.
ORP-0014	AX - Farm Tank Waste Retrieval	\$5,854	\$1,047,407	Funding supports the initiation of AX Farm Infrastructure Upgrades in support of retrieval.
ORP-0014	Tank Waste Retrieval (non-Farm Specific)	\$10,049	\$1,057,456	Funding supports Single-Shell tank operations training to new retrieval crews and retrieval technology development.
ORP-0014	Waste Feed Delivery	\$50,094	\$1,107,550	Waste feed delivery funding provides necessary tank farm equipment such as transfer pumps and tank farm infrastructure to support FY2019 Waste Treatment Plant Hot Operations. Activities include AY-102 Technology Maturation Mixing/Sampling Demonstration, AW-103 and SY-102 Feed Delivery Systems, Relocatable Mixer Pumps and RPP System Plan.
ORP-0014	SST Closure	\$3,860	\$1,111,410	Funding supports C-301 Catch Tank and 244-CR Vault retrieval design.

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ORP-0014	IHLW Storage and Shipping	\$6,742	\$1,118,152	Funding to support the interim storage of the HLW glass canisters.
ORP-0014	ILAW Glass Testing	\$5,264	\$1,123,416	Funding support ILAW glass testing for the Waste Treatment and Immobilization Plant.
ORP-0014	Secondary Waste Treatment/ETF	\$10,213	\$1,133,629	Funding supports the Secondary Waste/Effluent Treatment Facility design.
ORP-0014	WTP Treatment/Operations	\$10,046	\$1,143,675	Funding support Waste Treatment and Immobilization Plant interface activities including Interface Control Documents, Commissioning Plan Review, Joint Test Participation, etc..
ORP-0014	Pretreatment	\$10,627	\$1,154,302	Funding support Technology Development and Deployment activities (i.e., Lithium/Bayer Pretreatment, etc.)
ORP-0014	Supplemental Treatment	\$20,618	\$1,174,920	Funding supports the Supplemental Treatment activities and Next Generation Melters studies in support of the WTP mission.