HSS Independe		-	-	nber: HIAR-RI			
Site: DOE Richlan Operations Of	te: DOE Richland Operations Office		Subject: Office of Enforcement and Oversight's Office of Safety and Emergency Management Evaluations Activity Report for the Sludge Treatment Project				
Dates of Activity :	09/17/2013	- 09/18/2013	Repo	rt Preparer:	Jake Wechselberger		
Activity Description/Purpose:		0,710,2010	Пере	suite i censeleerger			
The U.S. Department Security (HSS), perfe	t of Energy (I formed an open er System (EC	rational awareness revie CRTS) during this site v	ew of the Sludg	ge Treatment Pro	e Office of Health, Safety oject (STP) Engineered Co tended the Hanford K Bas	ontainer	
Result:							
to the Federal Project DOE Order 413.3B, milestones.*Overall, accordance with the DOE Order 413.3B,	t Director to s <i>Program and</i> the STP is cla policy and pro RL has chose	support DOE Richland (<i>Project Management fo</i> assified as a spent nucle ptocol for Office of Env n to apply its requireme	Operations Off or the Acquisit ear fuel stabiliz ironmental Ma ents and DOE-	ice (RL) approv <i>ion of Capital A.</i> ation and dispose anagement OAs. STD-1189 to the	tion and provide recomme al of Critical Decision (Cl ssets delineates the CD sition operations activity (Although OAs are not su STP, in a tailored manne rity for STP is the RL Man	D)-2/3. OA) in ubject to r, as a goo	
translate needs and te required mission cap needs into well-defin projects. Tailoring, i	echnological of abilities. The ed requirement not a construct the construction of the	opportunities into reliab system is organized int nts. DOE Order 413.3E	le and sustaina to project phas 3 allows for tai CDs, does not	ble facilities, sy es and CDs, pro loring when nec	es principles and processes stems, and assets that add gressing from broadly-stat essary for the efficient de sion of requirements; all	ress ted missio	
activity, the IPR tean	n was compos		perts who were	e independent fro	into the design process. The project and from R		
protection; fire protection	ction; safety b	-	civil, structur	-	oject management; radiati lesign requirements; engin		
The preliminary resu the IPR outbrief com		were discussed during	the IPR team r	neetings and pro	ovided in an outbrief. In s	ummary,	
• Preliminary documented safety analysis (PDSA) approval is on a parallel path with the CD-2/3 approval. Until the PDSA is approved, changes may be required in the design and/or safety designation of equipment within the design. CD-2/3 approval of the final design requires approval of the PDSA and satisfactory accomplishment of any established conditions of approval.							
undesirable and u established contr	inachievable ols or modify	controls with respect to facility operations. If t	access to the 1 these measures	iver. Current in fail to mitigate	the project, it results in p itiatives will reanalyze the concerns about river accessignificant changes in the	e ss, the	
In addition, the IPR t	eam cited the	following as strengths:					

- Full scale mockup testing has been used effectively, and is well documented to optimize system design and to minimize the dose to workers and the potential for spreading contamination.
- The ECRTS preliminary fire hazard analysis is well developed and comprehensive for this stage of the project.

- The Seismic Interactions Report was found to be particularly beneficial in the review of the natural phenomena hazards design.
- Development of multiple relevant and robust simulants has proven beneficial to the project design.

*DOE Order 413.3B provides the following Critical Decision milestones:

- CD-0, Approve Mission Need. There is a need that cannot be met through other than material means.
- CD-1, Approve Alternative Selection and Cost Range. The selected alternative and approach is the optimum solution.
- CD-2, Approve Performance Baseline. Definitive scope, schedule, and cost baselines have been developed.
- CD-3, Approve Start of Construction/Execution. The project is ready for implementation.
- CD-4, Approve Start of Operations or Project Completion. The project is ready for turnover or transition to operations, if applicable.

References					
Were there any items for HSS follow up? Xes No					
HSS Follow Up Items					
1. Continue operational awareness reviews of STP.					