| HSS | Independent Activity | y Report - Rev. 0 | Report Number: HIAR-R | L-2012-02-27 | |
|---|--|--|---|---|--|
| Site: | DOE-Richland Operations Office | | ubject: Office of Enforcement and Oversight's Office of Safety and Emergency Management Evaluations Activity Report for the Sludge Treatment Project | | |
| Dates | s of Activity: 02/27/2012 | - 03/01/2012 | Report Preparer: | Jake Wechselberger | |
| The USecur | | onal awareness reviews | of the Sludge Treatment Proj | the Office of Health, Safety and ect (STP), Engineered Container | |
| | g the period February 27 – M | | epresentative attended the De Final Design and Safety Bas | fense Nuclear Facilities Safety Board is Review. | |
| (DOE and P was the in the with I | Z-RL) nuclear safety staff, CF acific Northwest National La ne influence of uranium hydr KOP material and various as | H2M HILL Plateau Remalboratory (PNNL) staff of ide (UH3) on the condition of the safety basis cuum Drying Facility (Control of the safety basis cu | nediation Company (CHPRC) on February 28-29, 2012. The cion and behavior of irradiated with respect to processing M | nent of Energy, Richland Operations engineers, scientists and consultants e principal focus of the discussion I uranium metal fuel particles present fulti-Canister Overpacks (MCOs) aspects in the Container Storage | |
| facilit repres remove test plunder abrasi Post t functi of "pi over t and to | sentative STP system valves to all operation. Simulant replication of a total volume except actual operating conditions, are sludge flow may erode the est, the valve internals will be onal parameters will be records. To clean and remove residue the life cycle test runs. The " | ter and the CHPRC test to adequately perform the cating the worst case sluceeding the actual sludge the valves will be cycle to evalve internals, system to einspected for erosion and arded for system check valual sludge simulant from pigs" are typically pliable the system flow stream | director. One demonstration neir function over their entire adge to be removed from K B the removal volume on the order to verify their continued open ball valves will be checked and sludge particle entrapmentalves. In addition, the test will be material devices usually of | test platform will examine design life span of the sludge asin will be circulated through the er of three times. During the test, erability. As the hardened and for seat leakage and operating torque. It in the valve internals. Similar test linclude operational demonstration ber of "pigs" will be demonstrated avarious polyurethane foam densities ant. The CHPRC test director | |
| transf Trans thus r diame antici | er hose. The transfer hose we port Storage Containers (STS esult in a spray leak. Various eters and orientation. Each te | ill be used to move slud SCs). The test objective s simulant types will be set run will last approximate to the set run will last approximate. | ge from the Engineered Cont is to determine if the outer tr directed at the inner hose wa nately 15 minutes in duration | leak penetration test of the outer ainer in K Basin to the Sludge ansfer hose can be penetrated and ll at 300 psi via varying nozzle. Actual simulant transfer time is ng the hose at each test run hose | |
| | lition, the HSS representative HSS report items. | e interfaced with various | s DOE-RL staff to review pla | nned activities and to follow-up on | |
| HSS 1 | Participants | References | | | |
| | Jake Wechselberger | | | | |
| | | | | | |
| | there any items for HSS follow | up? ⊠Yes □No | | | |
| | Follow Up Items ontinue operational awareness | e raviance of STD | | | |
| 1. CC | minue operational awareness | STEVIEWS OF STR. | | | |