



June 25, 1984

Procedure #40Installation of Water Supply for Source Storage Pool

To reduce contamination of casks & tools used in the source storage pool area a water supply line will be installed in the cell area to provide the ability to rinse equipment as it emerges from the pool. Suspended particulate material in the pool water provides the mechanism for contamination of tools & casks. Rinsing of this equipment by a limited amount of water, will reduce direct contamination & possible contamination of other equipment & personnel.

- I. Installation of the water supply line shall be performed by personnel equipped as designated in Procedure #23.
 - A.) The supply line complete with shut off valve, twelve feet of hose section, & a terminal spray valve shall be prefabricated prior to entry of the Enclosure.
 - B.) During installation the following conditions will be observed:
 1. No pressure on feed line to pool filtration system.
 2. Pump system will remain off.
 - C.) The installation of shut off valve shall be placed upstream of the check valve & pool system shut off valve to facilitate use without pump system shut down for the Pool filtration system.
 - D.) Insertion of the assembly will be in the flexible tubing section directly above the check valve. All tools necessary for installation are currently within the Enclosure.
 - E.) Upon completion of the installation a pressure test will be performed on the system to verify no water leaks will occur during system operation. One individual will remain at the supply valve outside the Enclosure during the pressure test.
 - F.) As is normally the case, the supply line will remain unpurged unless the Water Supply Rinse System is in use. The position of the shut off valves & check valve permit independent use of pump system or the rinse system. At the conclusion of each use the pressure in the rinse system shall be released to the source storage pool. Approximate water pressure will be 45 psi.

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- G.) During use of the system the pressure shall be adjusted to eliminate excessive water flow & spray at the terminal spray valve. Use of rinse water for the above purposes shall be minimized considering the pool water level necessary during operations.
- H.) Installation of this system, testing & operation although near a high radiation area in the pump room will be minimized by time duration. Estimated exposure for the installation is 10 mr for one individual.

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