



April 23, 1984

Procedure #35Modification of Labyrinth Shielding

The shield on the Eastwall of the Labyrinth does not provide essential radiation shielding & blocks the transfer of the storage cask to the pool area & passageway out of the Enclosure. Modification of the shield will assist operations subsequent to transfer of casks to & from the pool area.

- I. The Roof Area shielding supported by steel channel shall be removed from the area shown on the attached diagram for a distance of 10 feet beginning at the main beam at the Cell area.
 - A. Personnel to perform these operations shall be equipped as in Procedure #23 with the addition of leather gloves.
 - B. Surveys (area readings) shall be performed before & after the completion of shield modification. No materials are currently stored in this area which would produce an area reading above 1 mr/hr at roof level.
 - C. Blocks removed from the roof area will be placed on the wall which will be extended parallel to the Enclosure East Wall.
- II. Shielding Block will also be removed surrounding the Storage Cask to enable it being moved into the Labyrinth area.
 - A. Area surveys will be performed as these walls are removed to verify shield adequacy. The block removed from this area shall also be placed along the East Wall continuation.
 - B. The Cask Storage area previously not vacuumed shall be vacuumed as necessary & wet wiped to reduce airborne contamination.
 - C. Any non-essential materials or equipment may be placed into low-level waste drums as necessary during the work in this area.
- III. At the completion of phases I & II the steel channel beams will be removed from the roof area of the labyrinth to begin removal of the East wall of the labyrinth & corner of cell area.
 - A. Upon removal from the roof area beams will be placed along the West wall along with plywood for eventual further use.
 - B. As shielding block are removed from the East wall they will be placed along the continued wall parallel to the East wall of the Enclosure.
 - C. After removal of block to floor level the area shall be vacuumed & wet wiped to reduce airborne contamination.

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- D. The roof support beams will be replaced towards the South end of the labyrinth & the shielding block replaced for two layers.
 - E. There is no necessity for roof shielding at the Labyrinth area near the Cell & therefore the shielding will not be replaced over this area.
- IV. With the completion of area surveys & phases I, II, & III, the storage cask can then be moved to the Labyrinth area by personnel as necessary.
- A. Movement of the cask toward the cell area once into the Labyrinth may be assisted by the use of large pry bars.
 - B. The fork lift may also be used with a length of chain to pull the dolly mounted cask from the labyrinth to the Cell area.
 - C. This cask which contains one 1970 age date Source in a screw threaded encapsulation shall remain sealed until a designated procedure for its use is implemented.

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SHADING - CURTAIN SHIELD



REFER TO PROCEDURE 30

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