

RADIOACTIVE MATERIAL SHIPPING CASK
QUALITY ASSURANCE PROCEDURE FOR
NUCLEAR SCIENCE AND TECHNOLOGY FACILITY

RECEIVING:

1. Cask will be surveyed for external contamination and gamma dose rates prior to unloading from the truck. Any differences between this survey and the shipper's posted results in excess of 15 per cent shall be reported immediately to the Radiation Protection Manager for resolution. The Radiation Protection Department shall maintain records of the survey.
2. Verification that the cask is the correct (anticipated) cask shall be made before unloading from the truck.
3. Verification that the security seal is intact shall be made before the cask is unloaded from the truck.

INSPECTION:

1. Prior to any use or movement of the cask, it shall be visually inspected.

HANDLING AND STORAGE:

1. The cask shall be rigged and moved only with equipment rated for safe working loads greater than the cask weight.
2. Do not maneuver casks within ten feet of each other on the control or gamma decks without specific exemption by the Operations Manager or Project Director.
3. Do not rest any cask on the reactor pool shell.
4. Do not maneuver any cask over the reactor core or reactor coolant piping.
5. Perform radiation survey while opening lid on cask.
6. When loaded with radioactive material and stored awaiting final disposition, post and label according to applicable State and Federal regulations.

SHIPPING:

1. Ensure that the cask is drained and the drain plug secured prior to shipping.
2. Cask lid gasket must be in good condition. If not, it shall be replaced.
3. Cask must be surveyed and found free of external contamination in excess of NRC or DOT limits.

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SHIPPING (cont.):

4. Cask must be surveyed for external gamma dose rates, and labeled according to NRC or DOT limits.
5. The cask must be secured to the transport skid securely.
6. Affix an approved type security seal.
7. Do not ship cask unless vehicle is equipped with adequate chains, binders, and holddowns.
8. Survey and label the vehicle in accordance with NRC and DOT regulations.

OPERATING COMMITTEE APPROVAL:

Administration Louis A. Henry

Operations Philip A. Colosky

Radiation Protection James J. Sullivan 12/22/82