

PACKAGE ID USA/6206/AF

DOCKET 71-6206

SECTION: SHIPPING SAFETY ANALYSIS

7.0 Operating and Maintenance Procedures

7.1 Use and maintenance of the Model B fresh fuel shipping container is controlled by formal written procedures approved by appropriate plant management. These procedures specifically describe the sequence of operations for packaging, shipping, labeling, unloading, storing and maintaining the Model B shipping container to insure it meets the requirements set forth in its Certificate of Compliance.

Part of the requirements of these procedures dictate that a formal inspection is conducted prior to the use of each container. It consists of the following:

- The pressure pads and bow clamps (fuel assembly clamping mechanism) are properly aligned.
- The rubber pads are not damaged in any way.
- The neutron poison plates are present and acceptable.
- There are no broken welds, worn or stripped bolts, nuts, or "T" bolt slots, or excessive wear on support arm holes.
- The "O"-ring tank seat is acceptable and the rubber shock mounts have not deteriorated.
- There is no permanent set deflection in a shock mount.
- All threads, ball and sockets, ball lock pins, and friction parts are oiled when needed and all excessive oil is removed. All pillow block bearings are greased as necessary.
- Pressure pad (assembly clamps) adjustments meet their respective specifications.
- The out riggers (container supports) have no missing ball lock pins or damaged parts.

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7.0 Operating and Maintenance Procedures

7.1 Continued

- The humidity indicators properly display blue in color.
- All shock indicators are properly installed, calibrated and correctly set.
- All sway indicator rods are properly set.
- Verification that the container lid seal holds two psi air pressure to prevent contaminant ingress.
- The proper radiation surveys have been conducted in accordance with DOT regulations.
- Each container incorporates a tamperseal on the cover.
- All nuclear safety rules are strictly adhered to.

If any of the items are not in conformance, the proper corrective action is taken prior to the release of the container.

Other key points covered in these procedures include:

- The proper equipment needed.
- The operator's qualifications.
- The acceptance criteria for routine inspections, maintenance requirements and maintenance records.
- Precautions that should be taken when handling the Model B shipping container.
- Step-by-step sequential instructions for loading and unloading the container.

Procedures have also been written to instruct the appropriate personnel at the reactor sites on the proper and safe use of the Model B shipping containers.

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7.2 Records pertaining to Model B container shipments as required by 10 CFR 71 are retained for a minimum of 2 years.

7.3 Our NRC approved QA Manual used by the CNFP covers the design, fabrication, testing, inspection, use and repair of radioactive materials shipping containers subject to the QA requirements of 10 CFR 71.

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SECTION: SHIPPING SAFETY ANALYSIS

EXHIBIT A

MODEL B - FRESH FUEL SHIPPING CONTAINER DRAWING LISTB&W
Drawing No.Title

PE-52F

Strongback Assembly & Details

PE-53F

Container Assembly & Components

PE-54F

Upper Weldment & Lower Weldment
and Details

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