

Enclosure 7 to TN E-30551

**Changed Pages for the Safety Analysis Report for the Model  
MFC-1 Package (non-proprietary version)**

Pages Included:

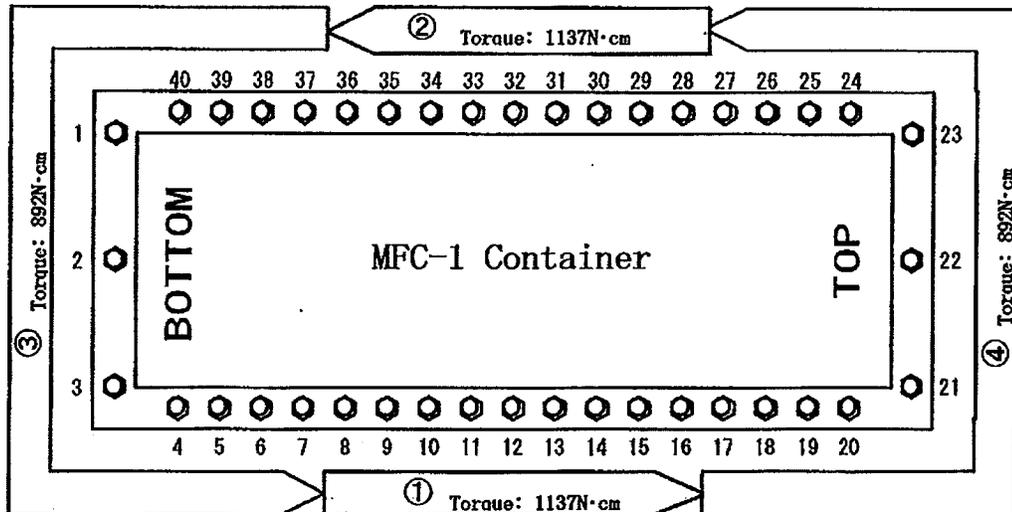
- I-B-1
- IV-A-4
- IV-A-4-1 (new page)

**I-B Classification of Package**

This package is designed as a type A packaging containing fissile material.

- (1) Contents in this package are PWR new fuels, which are made of uranium 235 of natural uranium enriched 5wt% or less. The  $A_2$  value of the uranium 235 is unlimited. | Rev.
- (2) This package contains 15g or more fissile material, uranium 235.

- (h) Fix the hexagon bolts, and tighten the jackscrews for fixing nozzles on the top end with tightening torque of 784N-cm . Rev
- (7) Housing of cross frame
- (a) Install the wire attached to the crane to the eye plate above the cross frame with shackles.
  - (b) Remove the stabilizing bars from the cross frame, and fix them in place with hexagon bolts.
  - (c) Put back the cross frame in a horizontal position slowly, and put back the crossbar in place.
  - (d) Tighten and fix the hexagon bolts to the cradle assembly. Rev
  - (e) Tighten the support grid pads on the top nozzle with the tightening torque of 784N-cm using a torque wrench. Furthermore, tighten the fixing nuts not to loosen bolts. Rev
  - (f) Tighten the support grid pads on the clamping frames with the tightening torque of 784N-cm using a torque wrench. Furthermore, tighten the fixing nuts. Rev
  - (g) Check the O-rings.
  - (h) A representative of Quality Assurance section shall inspect the results of a series of operations mentioned above.
- (8) Installation of the top cover
- (a) House the auxiliary legs in place, and fix them with hexagon bolts.
  - (b) Place the top cover on the lower container with lifting wires.
  - (c) Fasten the tightening bolts so that they are fixed by the bolt receptacle (See Fig. IV-A. 5 and Fig. IV-A. 6) in accordance with the following sequence Rev
    - 1) Tighten quarter-turn bolts until specified position (90 deg. clockwise) using open ended spanner
    - 2) Tighten setscrew of quarter-turn bolts using hexagon socket screw torque wrench (1137N·cm and 892N·cm) in accordance with the following order; (ref. following figure)
      - a) Tighten the first nine (No.8 to 16) bolts with torque of 1137N-cm
      - b) Tighten the second nine (No.28 to 36) bolts with torque of 1137N-cm
      - c) Tighten the third eleven (No.37 to 40, 1 to 7) bolts with torque of 892N-cm
      - d) Tighten the third eleven (No.17 to 27) bolts with torque of 892N-cm



- (d) Quality Assurance section shall confirm the tightening condition in the above (c).
- (e) Put the seal in place to show loading completion.
- (9) Measurement of dose equivalent rates  
 Quality Assurance section shall measure dose equivalent rates on the surfaces and at each point of 1m from the surfaces of the packaging with GM survey meters. Confirm that no measurement exceeds 2mSv/h and 0.1mSv/h respectively, and record the measurement results.
- (10) Shipment  
 Load or unload a package with enough care not to damage its safety using a crane or a folk lift that can sufficiently withstand the total weight of the package.