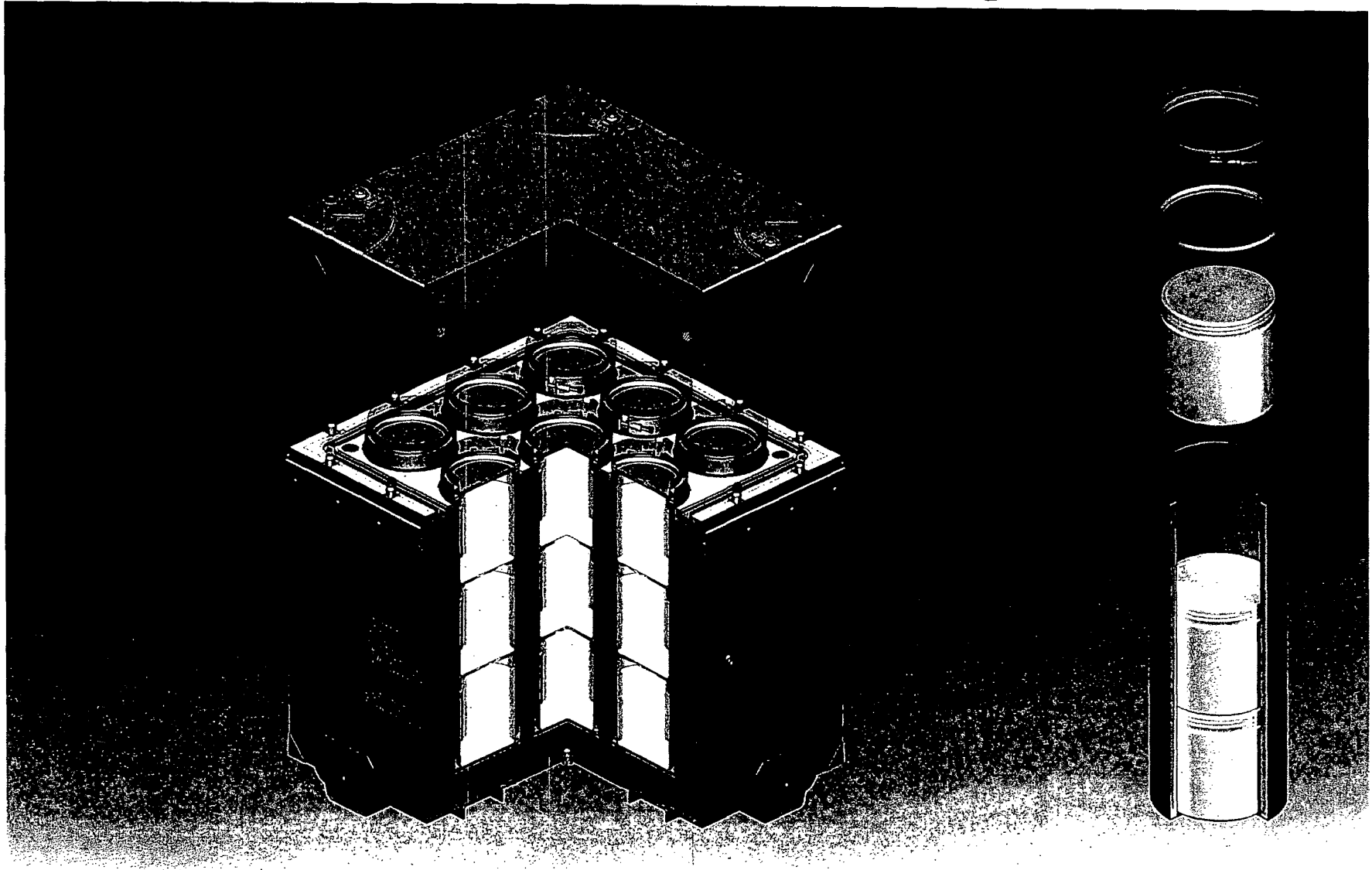


GNF-A NPC Package -Background

- NRC CoC USA/9294/AF-85 –Rev 0 Issued 2/23/2001
- Current CoC –Rev 4 Issued 11/21/2005
 - Authorized Contents -Unirradiated Low E Uranium Oxide Powder/Pellets/Compounds (UO_2 , U_3O_8 , etc)
 - Up to 60 Kg/ICCA (540 Kg net) depending on material form

GNF-A NPC Package



GNF-A NPC Package –Background (Cont.)

- Ongoing International Revalidation Efforts
 - Criticality Modeling Assumptions
 - Consider Effects of HAC on Criticality Safety Analysis
 - EU meeting with RAIs sent to GNF-A and USNRC
 - NRC verbal request to review our position on EU RAIs
 - June 2006 Review
 - Subsequent to EU RAIs a request to include sketch and specifications of poly bottle

GNF-A NPC Package –Background (Cont.)

- NRC CoC Update Requested to Address EU Questions -10/2006
 - Criticality Safety Analysis Revised
 - Safety Analysis Report Updated
 - Clarify Type A material authorization
 - Clarified table and limits of authorized materials
 - Explicit restriction on liquids/free liquids
 - Modified loading instruction
 - Update to IAEA 1996
 - Poly bottle drawing added
 - Proposed CoC Revisions

NRC NPC RAI

- NRC Request dated 1/26/07
 - Drawing Clarifications
 - Drawing References - Metal Receptacle & “Dunnage”
 - Accident Condition Containment Barrier (ICCA)
 - Thermal Test Questions
- Thermal Analysis Test Completed – Poly Bottle Structural Performance Acceptable
- GE Submitted Response 4/27/07

Additional Package Review Status

- Revision to RAJ-II certificate
 - Different Uranium Material Forms
 - Additional UO₂ Rod Types
- Type B certificate application for NPC expected in July.