

Buenos Aires, Argentina, March 4th, 2016

Mr. Richard W. Boyle, Chief
Sciences Branch
Division of Engineering and Research
Office of Hazardous Materials Safety
United States Department of Transportation
1200 New Jersey Ave., S.E.
Washington, D.C.20590

Subject: Docket N° 71-3090 and CAC N° L25036. Request for additional information for the Model N° LEUPA Package

Dear Mr. Boyle:

Enclose are INVAP's Responses to the Request for Additional Information for the docket of reference and a Files Guideline.

Reference of the Answers for the RAI:

- I. Please check file "002 LEUPA Revalidation Review 1st set RAIs" for:
 - General information
 - Criticality safety
 - Shielding evaluation
 - Structural evaluation
 - Operating procedures
 - Acceptance and maintenance tests
- II. Please check file "003 LEUPA Materials evaluation 2nd set RAIs" for:
 - Materials Evaluation

Sincerely,



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Files Guideline:

Folder DOCS

- 001** LEUPA ARN certificate + translation (original version+addenda)
- 002** 0908-LE00-3BEIN-023-B - Safety report
- 003** 0908-LE02-3BEIN-008-B - Tests final report
- 004** 0908-LE01-3BEIN-024-B - Criticality analysis
- 005** 0908-LE00-3BEIN-017-B - Operation manual
- 006** 0908-LE00-2BEIN-015-B - Thermal analysis
- 007** 0908-LE00-3BEIN-025-B - Radiation protection program
- 008** 0908-LE00-3BEIN-026-B - Inspection and maintenance manual
- 009** 0908-LE00-EDEIN-019-B - Quality management program for the Leupa package
- 010** 0908-LE01-3BEIN-011-B - Calculation report
- 011** 0908-LE01-3BEIN-012-B - Verification of lifting points of the Leupa package
- 012** 0908-LE01-3BEIN-013-B - Manufacture specifications
- 013** 0908-LE00-3DEIN-018-B - Transport manual
- 014** 0908-LE01-3BEIN-025-B - Analysis of the Leupa package restraint for transport
- 015** 0908-LE01-3BEIN-026-B - Analysis of the Leupa package impact test
- 016** 0908-LE02-3BEIN-002-B - Leupa specification of approval tests for Type B(U) package for fissile materials
- 017** 0908-LE02-3BEIN-003-B - Analysis of the Leupa package drop position causing most damage
- 018** 0908-LE02-3BEIN-004-A - Analysis of the Leupa package external pressure
- 019** 0908-LE02-3BEIN-006-A - Leupa specification for the assembly of the Type B(U) package for approval tests
- 020** 0908-LE00-EBEIN-001-A - Database for the design of Leupa package
- 021** 0908-LE02-3BEIN-007-A - Independent review of doc 0908-LE01-3BEIN-024-B Criticality analysis

022 CDAD-3001-3PEGC-036-A - Procedure to identify parts and equipments

023 KAOLITE PROCEDURE

024 CADMIUM PROCEDURE

025 Protocol inspection RUBBER SUPPLEMENTS

026 Quality Control Sheet Cadmium 1

027 Quality Control Sheet Cadmium 2

Folder INPUT FILES: this folder contains the input files requested in question Cr-5.

Folder DRAWS

This folder contains the drawings referenced in the text of application.

00A 0908-LE01-3AEIN-004-A - Package General Assembly

00B 0908-LE01-3AEIN-005-A - Package - main body container of inner containers

00C 0908-LE01-3AEIN-006-A - Package - Main body cadmium chamber

00D 0908-LE01-3AEIN-007-A - Inner container

00E 0908-LE01-3AEIN-008-A - Packaging intermediate cover

00F 0908-LE01-3AEIN-009-A - Packaging external cover

00G 0908-LE01-3AEIN-010-A - Packaging main body

00H 0908-LE01-3AEIN-015-A - Packaging main body type A & B sheets

00I 0908-LE01-3AEIN-016-A - Packaging main body flange

00J 0908-LE01-3AEIN-017-A - Packaging main body warning plate

00K 0908-LE01-3AEIN-018-A - Packaging main body name plate

00L 0908-LE01-3AEIN-019-A - Packaging main body design and manufacture plate

00M 0908-LE01-3AEIN-020-A - Set of joints rubber supplements

00N 0908-LE02-3AEIN-001-A - Immersion test containers

00O 0908-LE02-3AEIN-003-A - Indenter for testing according paragraph 724

00P 0908-LE02-3AEIN-004-A - Indenters for testing according paragraphs 727 b) & 735 b)

00Q 0908-LE02-3AEIN-005-A - Plate for testing according paragraph 727 c)

00R 0908-LE02-3AEIN-006-A - Disposition of the indenters on the target

00S 0908-LE02-3AEIN-009-A - Piping for aspersion test

00T 0908-LE02-3AEIN-012-A - Quick release hook for drop tests

00U 0908-LE02-3AEIN-013-A - Fixing elements anchorage

00V 0908-LE02-3AEIN-014-A - Fixing elements wedge

00W 0908-LE02-3AEIN-015-A - Fixing elements clamping over


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