

Distribution:
 WM File 426.2 ✓
 WMEG
 NMSS
 REBrowning
 MJBell
 JTGreeves
 TCJohnson
 MTokar
 HJMiller
 JOBunting
 LBHigginbotham
 PDR/LPDR (B,N,S)

MAY 30 1985

HUANG'S ANALYSIS

- 1 -

MEMORANDUM FOR: Charles E. Macdonald, Chief
 Transportation Certification Branch
 Division of Fuel Cycle and Material Safety, NMSS

FROM: John T. Greeves, Chief
 Engineering Branch
 Division of Waste Management, NMSS

SUBJECT: STRESS ANALYSIS OF NUPAC ENVIRALLOY FAMILY OF HICs

In December 1984 your staff provided comments on a topical report dealing with the NuPac "Enviralloy Family" of high integrity containers. Those comments generally addressed Type A packaging requirements. However, as a result of our review of a separate report on NuPac's FL-50/EA-50 HIC, we have concluded that a more detailed review of the structural analyses for the Enviralloy Family (of 24 HICs) is in order. We should appreciate your assistance in that regard.

Because the Enviralloy Family report deals with 24 separate containers, we do not anticipate that this will be a trivial effort. As was discussed in a meeting (between Tim Johnson, Mike Tokar, Dan Huang, and you) in your office last week, however, the magnitude of the effort should be limited by the fact that (a) the analyses should be similar (although not identical) for all the designs, (b) the 24 HICs are grouped into a few types of classes, and (c) Dan Huang conducted a similar-type review effort on the FL-50 HIC, and did an excellent job. Accordingly, we request Dan's assistance in reviewing the burial load stress/strain analyses for the Enviralloy Family report on a schedule commensurate with your other Branch work. If it would be consistent with his other assignments, we would like to have Dan's input by July 1, 1985.

WM Record File _____ WM Project 85
 _____ Docket No. _____
 _____ PDR ☒
 _____ LPDR _____

Distribution: _____

 (Return to WM, 623-SS) _____

cc: D. Huang

8506110604 850530
 PDR WASTE
 WM-85 PDR

Original signed by

John T. Greeves, Chief
 Engineering Branch
 Division of Waste Management/NMSS

OFC	: WMEG <i>mt</i>	: WMEG <i>JD</i>	: WMEG <i>gh</i>	:	:	:	:
NAME	: MTokar:gh	: TCJohnson	: JTGreeves	:	:	:	:
DATE	: 05/29/85	: 05/29/85	: 05/30/85	:	:	:	: