



PR 72
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Metal Technologies, Inc.

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May 30, 2006

OFFICE OF SECRETARY
RULEMAKINGS AND
ADJUDICATIONS STAFF

ATTN: Mr. Mark Delligatti / Chief
NRC Rulemaking & Guidance Branch, Section B
Division of Industrial Safety and Medical Nuclear Safety, NMSS

Reference: Transnuclear, Inc. NUHOMS® HD Systems Rulemaking Certificate #72-1030
RIN 3150-AH93

Dear Mr. Delligatti:

We have reviewed the proposed certificate on the NUHOMS HD cask system on the referenced docket for public comment. We have concern regarding the use of Boral® for criticality control.

There is documented evidence of Boral degradation. In fact, Generic Safety Issue # 196 was issued to study the numerous problems encountered. There have been cases of swelling, hydrogen generation and blistering.

AAR has been manufacturing Boral for over 30 years but users are still experiencing sparatic problems with the material. This may be an intrinsic problem related to clad type materials or process issues.

We understand that Boral was the material choice in past years mainly because there were no economical alternatives. However, alternate materials are now available from a number of manufacturers. We believe that Aluminum MMC materials such as those manufactured Metamic or DWA are best for the application. The aluminum boron carbide neutron absorber material will eliminate the potential issues due to the 100% theoretical density.

Thank you for your attention to this matter. Please contact me if you have any questions or need additional information.

Sincerely,

Preferred Metal Technologies Inc.

140 E. Tower Drive - Burr Ridge, Illinois - 60527 - Phone: 630.887.7700 - Fax: 630.887.0770

Template = SECY-067

SECY-02



Metal Technologies, Inc.

Page 2

A handwritten signature in black ink, appearing to read "Timothy I. Stewart", written in a cursive style.

Timothy I. Stewart
Vice President, Nuclear

cc: PMT

From: "Timothy I. Stewart" <tstewart@ams-pmt.com>
To: <SECY@NRC.GOV>
Date: Thu, Jun 1, 2006 12:24 AM
Subject: Letter of concern

Please find the attached letter of concern regarding Transnuclear, Inc. NUHOMS0 HD Systems Rulemaking Certificate #72-1030 RIN 3150-AH93.

Please contact me if you have any questions or comments concerning this issue.

--

Timothy I. Stewart
V.P. Nuclear

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CC: Allen Cutler <acutler@AMS-PMT.COM>, Jeff Poska <jposka@ams-pmt.com>, "Ronald M. Brann" <rbrann@ams-pmt.com>, Joe Emerson <jemerson@ams-pmt.com>

Mail Envelope Properties (447E6BD0.4C8 : 11 : 29896)

Subject: Letter of concern
Creation Date Thu, Jun 1, 2006 12:23 AM
From: "Timothy I. Stewart" <tstewart@ams-pmt.com>
Created By: tstewart@ams-pmt.com

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Files	Size	Date & Time
MESSAGE	1258	Thursday, June 1, 2006 12:23 AM
TEXT.htm	1588	
053106TIS.pdf	296888	
Mime.822	411668	

Options

Expiration Date: None
Priority: Standard
ReplyRequested: No
Return Notification: None

Concealed Subject: No
Security: Standard

Junk Mail Handling Evaluation Results

Message is eligible for Junk Mail handling
 This message was not classified as Junk Mail

Junk Mail settings when this message was delivered

Junk Mail handling disabled by User

Junk Mail handling disabled by Administrator
Junk List is not enabled
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