

**From:** Hilbert Franz [franz.hilbert@ncsg.de]  
**Sent:** Tuesday, September 22, 2009 4:16 AM  
**To:** Michael.Conroy@dot.gov  
**Cc:** rick.boyle@dot.gov; Staab, Christopher; Bergmann Wolfgang; Kettner Ulrich; mlambert@tliusa.com  
**Subject:** Response to Criticality Queries Concerning NCS 45 Review dated September 16, 2009  
**Attachments:** content1\_2\_steel\_tube\_u-realpin-5677-0475-7966-1-0004\_fissile\_mat\_26\_2983.inp; content1\_2\_water\_tube\_u-realpin-1261-0100-9507-1-0042\_fissile\_mat\_5\_4156.inp; content1\_2\_water\_tube\_u-realpin-5677-0475-7966-1-0004\_fissile\_mat\_26\_2983.inp; content1\_2\_water\_tube\_u-realpin-10621-0900-6111-1-0038\_fissile\_mat\_50\_0981.inp; content1\_3\_u-realpin-5677-0481-8624-1-0004.inp; content1\_3\_u-realpin-5677-0481-0931-1-0002.inp; content1\_3\_u-realpin-5677-0481-8023-1-0058.inp; ARRAY2-u-dryconc-dry0.inp; ARRAY1-u-dryconc-dry0.inp; NRC answers to RAI - criticality 16 September 2009\_.pdf; RN-09-03a\_Rev1.pdf; Water fractions.xlsx

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

Gentlemen,

enclosed please find our response to Criticality RAI1 to RAI5. The responses to the material and shielding RAIs will follow in the next few days.

Best regards

Franz Hilbert  
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Amtsgericht Hanau HR B 4428  
Aufsichtsratsvorsitzender: Jean-Paul Lafitte  
Geschäftsführer: Horst Geiger, Klaus Schymke

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**Von:** Michael.Conroy@dot.gov [mailto:Michael.Conroy@dot.gov]  
**Gesendet:** Mittwoch, 16. September 2009 17:43  
**An:** Hilbert Franz; Bergmann Wolfgang; Kettner Ulrich; mlambert@tliusa.com  
**Cc:** rick.boyle@dot.gov; Christopher.Staab@nrc.gov  
**Betreff:** FW: Queries Concerning NCS 45 Review (attached)

Gentleman-

Please see the attached for follow-up questions from the U.S. NRC based on your responses to their earlier requests for additional information.

This information is requested to support our revalidation of the German Certificate of Approval No. D/4347/B(U)F-96 for the NCS 45 package.

After you have had an opportunity to review these files, I suggest that we schedule a conference call with the NRC staff to discuss their concerns so that you may prepare appropriate responses.

*Michael Conroy*  
*U.S. Department of Transportation*  
*PHMSA, PHH-23*  
*202-366-3597*

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**From:** Staab, Christopher [mailto:Christopher.Staab@nrc.gov]  
**Sent:** Wednesday, September 16, 2009 9:28 AM  
**To:** Conroy, Michael (PHMSA)  
**Subject:** Queries Concerning NCS 45 Review (attached)

Mike,

Perhaps we could have a phone call with the applicant to discuss?

Chris Staab  
NRC Project Manager  
(301) 492-3321

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### **E-mail Properties**

Mail Envelope Properties (D04A5803D60CFC4C862D0BAAA9FCEADF4AB102)

Subject: Response to Criticality Queries Concerning NCS 45 Review dated September

16, 2009

Sent Date: 9/22/2009 4:14:22 AM

Received Date: 9/22/2009 4:14:22 AM

From: Hilbert Franz

Created By: franz.hilbert@ncsg.de

Recipients:

Michael.Conroy@dot.gov (Michael.Conroy@dot.gov)

Tracking Status: None

rick.boyle@dot.gov (rick.boyle@dot.gov)

Tracking Status: None

Christopher.Staab@nrc.gov (Staab, Christopher)

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Tracking Status: None

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Tracking Status: None

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Ex2003-2.ncsg.de

Files	Size	Date & Time	
MESSAGE	290596	9/22/2009	
content1_2_steel_tube_u-realpin-5677-0475-7966-1-0004_fissile_mat_26_2983.inp			5593
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content1_2_water_tube_u-realpin-5677-0475-7966-1-0004_fissile_mat_26_2983.inp			5593
content1_2_water_tube_u-realpin-10621-0900-6111-1-0038_fissile_mat_50_0981.inp			5672
content1_3_u-realpin-5677-0481-8624-1-0004.inp	4515		
content1_3_u-realpin-5677-0481-0931-1-0002.inp	4576		
content1_3_u-realpin-5677-0481-8023-1-0058.inp	4576		
ARRAY2-u-dryconc-dry0.inp	3803		
ARRAY1-u-dryconc-dry0.inp	2245		
NRC answers to RAI - criticality 16 September 2009_.pdf			75643
RN-09-03a_Rev1.pdf	138619		
Water fractions.xlsx	13213		

Options

Expiration Date:

Priority: o!ImportanceNormal

ReplyRequested: False

Return Notification: False

Sensitivity: o!Normal

Recipients received:  
September 22, 2009

Follow up. Start by Tuesday, September 22, 2009. Due by Tuesday,