

GEHitachiUELAPEm Resource

From: Davis (FSME), Jennifer
Sent: Thursday, December 17, 2009 9:25 AM
To: Olivier, Julie A (GE Infra, Energy)
Cc: GEHitachiHrgFile Resource
Subject: RE: Question about GLE RAI submittal (ambient radiation)
Attachments: image001.gif

Thanks Julie. I will pass this along to ANL.

Jennifer

Jennifer Davis
Senior Environmental Project Manager
Division of Waste Management and Environmental Protection
U.S. Nuclear Regulatory Commission
Ph: 301-415-3835

From: Olivier, Julie A (GE Infra, Energy) [mailto:julie.olivier@ge.com]
Sent: Thursday, December 17, 2009 7:56 AM
To: Davis (FSME), Jennifer
Subject: RE: Question about GLE RAI submittal (ambient radiation)

Hi Jennifer,
Here is the corrected table for the air question. There were some incorrect data points in the files that I was working from. We had to sort through it and remove the incorrect data, then recalculate the results. Sorry for the delay in replying, it took me a while to fix it. I'll submit this electronically to the NRC with a submittal letter tomorrow, but I thought that you'd want the table ASAP.

Julie Olivier
Senior Licensing Professional
Global Laser Enrichment
T 910-819-4799
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F 910-342-4799

From: Davis (FSME), Jennifer [mailto:Jennifer.Davis@nrc.gov]
Sent: Wednesday, November 25, 2009 3:24 PM
To: Olivier, Julie A (GE Infra, Energy)
Subject: FW: Question about GLE RAI submittal (ambient radiation)

Hi Julie,

One of the ANL reviewers has a question regarding your submittal discussing ambient radiation. I will be back in the office on Monday, November 30th.

Thank you,

Jennifer

From: Fischer, Karl W. [mailto:kfischer@anl.gov]
Sent: Tuesday, November 24, 2009 4:12 PM
To: Davis (FSME), Jennifer
Cc: Avci, Halil I.; Kamboj, Sunita
Subject: Question about GLE RAI submittal (ambient radiation)

Jennifer,

In her analysis of the RAI responses, Sunita Kamboj has noted a potential discrepancy in Table 3.1 (A-6). Unlike the other five tables of ambient air measurements in the RAI response (and similar tables in the ER), the concentrations of U-235 and U-238 exceed the associated gross alpha values (see below). Since these two radionuclides are components of gross alpha, one would expect gross alpha to be higher. Furthermore, the magnitude of the values is significantly higher than in previous years (as well as the other tables). Perhaps the data were simply entered incorrectly, but we'd like to request clarification from GLE as soon as possible.

Thank you,

Karl W. Fischer, M.Eng., CHP
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4

Table 3.1(A-6). Onsite Air Quality Measurements Northeast of FET (AAFE)

Year	Gross Alpha ($\times 10^{-15}$ $\mu\text{Ci/cc}$)		U-234 ($\times 10^{-15}$ $\mu\text{Ci/cc}$)		U-235 ($\times 10^{-15}$ $\mu\text{Ci/cc}$)		U-238 ($\times 10^{-15}$ $\mu\text{Ci/cc}$)	
	Ave	Max	Ave	Max	Ave	Max	Ave	Max
2005	3.8	9.7	0.06	0.10	0.9	12	19	250
2006	2.9	6.4	0.02	0.02	9.8	44	23.	120
2007	9.9	5.4	0.07	0.08	<0.01	0.01	0.07	0.2
2008	2.5	6.0	0.06	0.08	6.1	24	15	60.0

Hearing Identifier: GEHitachiUE_LicenseApplication_Public
Email Number: 132

Mail Envelope Properties (0046140293E11F408991442DB4FE25CA0292DC0540)

Subject: RE: Question about GLE RAI submittal (ambient radiation)
Sent Date: 12/17/2009 9:24:49 AM
Received Date: 12/17/2009 9:24:49 AM
From: Davis (FSME), Jennifer

Created By: Jennifer.Davis@nrc.gov

Recipients:

"GEHitachiHrgFile Resource" <GEHitachiHrgFile.Resource@nrc.gov>

Tracking Status: None

"Olivier, Julie A (GE Infra, Energy)" <julie.olivier@ge.com>

Tracking Status: None

Post Office: HQCLSTR01.nrc.gov

Files	Size	Date & Time
MESSAGE	2659	12/17/2009 9:24:49 AM
image001.gif	23982	

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Priority: Standard
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