FSME

Janda, Donna

From: John Hayes
Sent: Thursday, September 18, 2008 10:50 AM
To: Allen Fetter; Allen Gross; Andrea Kock; Christianne Ridge; Daniel Gillen; Duane Schmidt; John Bradbury; John Hull; Jon Peckenpaugh; Karen Pinkston; Kenneth Kline; Lifeng Guo; Mark Fuhrmann; Mark Roberts; Michael Clark; Phil Reed; Raymond Lorson; Rebecca Tadesse; Robert Johnson (FSME)
Cc: Shieldalloy NPEmails; Dennis Sollenberger; Donna Janda
Subject: Q & A 09152008 draft.doc
Attachments: Q & A 09152008 draft.doc

New items are highlighted in blue. Note some new ?'s and answers.

B/31

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From: John Hayes <John.Hayes@nrc.gov>
To: Allen Fetter <Allen.Fetter@nrc.gov>, Allen Gross <Allen.Gross@nrc.gov>, Andrea Kock <Andrea.Kock@nrc.gov>, Christianne Ridge <Christianne.Ridge@nrc.gov>, Daniel Gillen <Daniel.Gillen@nrc.gov>, Duane Schmidt <Duane.Schmidt@nrc.gov>, John Bradbury <John.Bradbury@nrc.gov>, John Hull <John.Hull@nrc.gov>, Jon Peckenpaugh <Jon.Peckenpaugh@nrc.gov>, Karen Pinkston <Karen.Pinkston@nrc.gov>, Kenneth Kline <Kenneth.Kline@nrc.gov>, Lifeng Guo <Lifeng.Guo@nrc.gov>, Mark Fuhrmann <Mark.Fuhrmann@nrc.gov>, Mark Roberts <Mark.Roberts@nrc.gov>, Michael Clark <Michael.Clark@nrc.gov>, Phil Reed <Phil.Reed@nrc.gov>, Raymond Lorson <Raymond.Lorson@nrc.gov>, Rebecca Tadesse <Rebecca.Tadesse@nrc.gov>, "Robert Johnson (FSME)" <Robert.Johnson2@nrc.gov>
CC: Shieldalloy NPEmails <Shieldalloy.NPEmails@nrc.gov>, Dennis Sollenberger <Dennis.Sollenberger@nrc.gov>, Donna Janda <Donna.Janda@nrc.gov>
Date: Thu, 18 Sep 2008 10:49:53 -0400
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Return-Path: John.Hayes@nrc.gov
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Agreement State Issues – Lead:Hayes/Sollenberger

What happens to the process if NJ becomes a NRC Agreement State? What if the draft EIS has been issued? What if the Safety Evaluation has been issued? What if the final EIS has been issued? What if the hearing is occurring when this happens.

Project Management & Schedule – Lead:Hayes

When is Rev. 1b to the DP scheduled for submittal to the staff?

What is the present schedule for the review of the DP?

What review areas did the DP RAIs cover?

In 2006, the NRC indicated it would complete a review of the DP by 2008. What has caused the delays?

Groundwater Issues – Lead:Peckenpaugh

Is the staff going to require additional groundwater sampling and surface water sampling?

Overall Issues- Lead: All

What changes has SMC made since their DP was submitted in June 2006?

Radiological Dose Assessment

Will SMC be required to include radon in their dose assessment? **Lead: Schmidt**

What is the status of the dose analysis? **Lead: Gross & Pinkston**

What is the dose limit for sites following decommissioning **Lead: Gross & Pinkston** and how does that relate to risk of cancer? **Lead: Schmidt**

How will NRC ensure that SMC meets this dose criteria? **Lead: Schmidt, Gross & Pinkston**

What pathways are included in the SMC dose assessment? **Lead: Gross & Pinkston**

Has the slag or could the slag leach to the groundwater and what would be the impact on the dose to a member of the public? **Lead: Gross & Pinkston**

Will NRC require that SMC evaluate the dose due to leaching to groundwater? **Lead: Gross & Pinkston, Bradbury, Furhmann, & Reed & Peckenpaugh**

From a dose to the public perspective, isn't it safest to remove the pile rather than leave it there? **Lead: Schmidt, Gross & Pinkston**

What is the dose currently to a member of the public living near the site? **Lead: Roberts**

What dose is expected to a member of the public during decommissioning operations? **Lead: Schmidt**

What dose did people receive when Shieldalloy was an operating facility? **Lead: Roberts**

Cost Benefit Analysis

Does the cost benefit analysis include long term costs (land depreciation) due to the slag being present? **Lead: Schmidt**

Engineered Barrier

Will repairs be required to the engineered barrier? **Lead: Gillen** If yes, what types, how frequent **Lead: Gillen** and will their be sufficient money in the trust fund to cover these expenditures? **Lead: Kline**

The engineered barrier must be designed so as not to require maintenance to achieve the 1000 year stability requirement. However, it is likely that Shieldalloy/custodian will implement minor infrequent repairs such as fixing fences, or repairing any inadvertant human intrusion impacts.

How does the cap design influence dose? **Lead: Gross & Pinkston** Is SMC's proposed cap design adequate to protection public health? **Lead: Gillen**

We have just begun our review of the draft engineered barrier design as submitted by Shieldalloy, and will be assessing in detail its infiltration and long-term stability aspects. However, only a design that is acceptably protective of public health and safety and the environment can be approved by the NRC.

How long will the cap last? **Lead: Gillen**

The regulations require a design that will last at least 1000 years.

Environmental Assessment

What review areas did the environment RAIs cover? **Lead: Fetter**

Hearing

When will the hearing take place? **Lead: Clark**

NRC Policy

Why is the period of performance only 1000 years when many of the isotopes on the site have have half-lives in the tens of thousands of years? **Lead: All**

What happens if Shieldalloy can't provide a design that meets the dose standards for restricted or unrestricted release? long-term control? **Lead: Tadesse**

Why doesn't the NRC require SMC to remove the slag & baghouse material from the site? **Lead: Tadesse**

Slag & Baghouse Dust Leaching

Has SMC provided results on the leachability of the slag and what is NRC's conclusion? **Lead: Bradbury, Furhmann, & Reed**

Has the/could the slag leach to surface water? What is NRC's conclusion? **Lead: Bradbury, Furhmann, & Reed**

What are the requirements for demonstrating that leaving the slag in place is safe? (you have this in several places under the individual sections but you might want a general question and answer that contains the more general information under 20.1402 under your section ,i.e they need to meet the dose limits, they need to have ICs, etc.) **Lead: All**

Health Effects

Is cancer in our area attributable to radiation from SMC? **Lead: Schmidt** Is it attributable to chromium from the site?

Financial Assurance

What happens if Shieldalloy goes bankrupt in the future? **Lead: Kline**