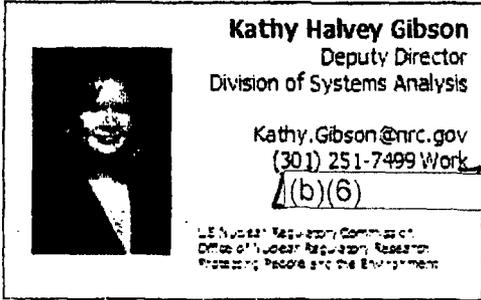


Greenwood, Carol

From: Gibson, Kathy - RES
Sent: Thursday, January 20, 2011 10:04 AM
To: Ader, Charles; Bano, Mahmooda
Cc: Ghosh, Tina; Santiago, Patricia; Clark, Theresa; RidsNroMailCenter Resource; Johnson, Michael; Chokshi, Nilesh; Bergman, Thomas; Flanders, Scott; Dube, Donald
Subject: RE: NRO concurrence on FY13 long-term res SECY (YT-2011-0003)
Attachments: Kathy Halvey Gibson.vcf; image001.jpg

Thanks, Charlie!



Kathy Halvey Gibson
Deputy Director
Division of Systems Analysis

Kathy.Gibson@nrc.gov
(301) 251-7499 Work
(b)(6)

U.S. Nuclear Regulatory Commission
Office of Nuclear Regulation, Research,
Inspection, Records and the Environment

EX-6

From: Ader, Charles
Sent: Thursday, January 20, 2011 10:00 AM
To: Bano, Mahmooda
Cc: Ghosh, Tina; Santiago, Patricia; Clark, Theresa; RidsNroMailCenter Resource; Johnson, Michael; Chokshi, Nilesh; Bergman, Thomas; Flanders, Scott; Gibson, Kathy; Dube, Donald
Subject: RE: NRO concurrence on FY13 long-term res SECY (YT-2011-0003)

Mahmooda,

Mike Johnson concurs on the SECY "Agency Long-Term Research Activities for Fiscal Year 2013" (ML110100020, YT-2011-0003), subject to the following comments:

- 1) Memorandum page 3 under "Evaluating Service Life of Nuclear Power Plant Concrete Structures" – Consider discussing the relationship with the FY11 long-term research topic (Enclosure 2, page 4) on nondestructive evaluation and surveillance of civil structures.
- 2) Memorandum page 4 under "Assessing Climate Variability Contribution to Risk at Nuclear Facilities" - Need to clarify or delete comment on SOARCA under the climate variability project. While it is true that SOARCA found external events risk to perhaps dominate total risk, this was mainly from seismic. This is unrelated to climate variability.
- 3) Same section – to clarify that the sentence is intended to refer to events such as flooding and not all external events (e.g., seismic) modify the sentence that reads:

"The treatment of external events in PRA and risk-informed decisions is currently much less mature than the treatment of internal events although the risk from external events may dominate total facility risk."

to read as:

"The treatment of these external events in PRA and risk-informed decisions is currently much less mature than the treatment of internal events although the risk from external events may dominate total facility risk."

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- 4) Enclosure 2 page 5 under "Safety and Regulatory Issues of the Thorium Cycle" – The last sentence refers to fuel manufacturing issues with U-232. Shouldn't this refer to fuel manufacturing issues with Th-232 as the fertile fuel is made with Th-232, not U-232? U-232 is a byproduct of the nuclear reactions, but is in-situ (unless this sentence is intended to discuss processing the spent fuel, which contains U-233 and U-232, the latter giving way to decay products that are hard gamma emitters, complicating the shielding requirements).

This completes action on NRO YT-2011-0003