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mail

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Elzie, Teri L

From: Elzie, Teri L
Sent: Thursday, September 19, 2002 3:22 PM
To: Smith, Connie V; 'Dan Landeen'; 'David Powell'; 'Helen Hillman'; 'Jake Jakabosky'; 'Larry Gadbois'; 'Larry Goldstein'; 'Lauri Vigue'; 'Stuart Harris'; 'Susan Coburn Hughs'; 'Tom O'Brien'; 'Tom Zeilman'; Larsen, Astrid P; Wisness, Steven H; Piper, Lloyd L
Cc: Price, John (ECY); Elzie, Teri L
Subject: FW: Notice of Approval and Availability of DOE Technical Standard on Evaluating Radiation Doses to Biota

FYI – Information send on behalf of John Price.

Teri

RECEIVED
JAN 15 2008

-----Original Message-----

EDMC

From: Price, John [mailto:Jpri461@ECY.WA.GOV]
Sent: Thursday, September 19, 2002 3:17 PM
To: 'TLElzie@mail.bhi-erc.com'
Subject: Notice of Approval and Availability of DOE Technical Standard on Evaluating Radiation Doses to Biota



Lawrence_Biota_Standard_Releas...

This is worth forwarding to the Trustees

-----Original Message-----

From: Short, Jeffrey [mailto:Jeffrey.Short@em.doe.gov]
Sent: Thursday, September 19, 2002 11:13 AM
To: radteam@offo2.epa.state.oh.us
Subject: FW: FYI - Notice of Approval and Availability of DOE Technical Standard on Evaluating Radiation Doses to Biota / LTS Pilot Project update

This message was sent to EM-51 from Stephen Domotor, EH-412. It has particular relevance for the RAD-Team.

I wanted to inform you that the DOE technical standard project, "A Graded Approach for Evaluating Radiation Doses to Aquatic and Terrestrial Biota (DOE-STD-1153-2002)" has been approved and released as a final DOE technical standard. It can be downloaded (along with an updated version of the RAD-BCG Calculator, Release 2.0) from the public portion of the BDAC Web Site (<http://homer.ornl.gov/oepa/public/bdac>). See the attached DOE announcement memo (pdf file) which formally released the technical standard.

The final version reflects refinements, improvements, and changes made relative to the interim version of the technical standard available since July 2000. The final version contains an additional guidance section: a "primer" on principles and issues regarding the evaluation of radiation as a stressor to the environment. In addition, (1) Several BCG values have been modified (radium), along with their supporting parameter values, (2) refinements were made to be responsive to comments received during the formal DOE Technical Standards Program formal review process, and (3)

refinements were made in response to comments received on four papers which were submitted and accepted for publication in the Journal of Environmental Radioactivity, and from comments from Ward Whicker regarding his independent peer review of the document sponsored by the EM Center for Risk Excellence.

On a separate topic: The LTS pilot project on the implementation and validation of the graded approach methodology at the Oak Ridge Site is going well. Preliminary results were presented at a recent (July 2002) International Symposium on the Effects of Ionizing Radiation on the Environment (SPEIR3) held in Darwin, Australia. DOE (our office) was a participating sponsor and organizer of the Symposium; about 10 DOE-related papers (from DOE Site representatives) on the graded approach methodology were presented at the Symposium.

The DOE graded approach to biota dose evaluation is continuing to be implemented at many DOE sites; there is national and international interest as well. We are continuing to be proactive in national and international initiatives on the topic of protection of the environment from the effects of radiation. For example, offices within EPA and NRC are contributing funding and some staff time to work with us in the continued development of the "RESRAD-BIOTA" code. The code uses our graded approach methodology as the starting point; additional features and analysis capabilities are being incorporated to meet the anticipated evaluation needs of these other organizations. Over time, the code will serve as our "next generation" tool, replacing the currently-available software tool (the RAD-BCG Calculator) which is distributed with the technical standard document.

Please let me know if you would like additional details concerning the final technical standard or other related activities.

Steve D.

<<Lawrence_Biota_Standard_Release_Memo.pdf>>