



Department of Energy
Savannah River Operations Office
P.O. Box A
Aiken, South Carolina 29802

JAN 05 2015

Dr. Marolyn Parson, Chairperson
Savannah River Site Citizens Advisory Board
PO Box A
Aiken, South Carolina 29802

Dear Dr. Parson:

SUBJECT: Citizens Advisory Board (CAB) Recommendation Number 325 – Functional Definition of Spent and Used Nuclear Fuel

Thank you for your recommendation on clarification of the functional definition of Spent and Used Nuclear Fuel. Your recommendation requested:

- 1) Department of Energy (DOE) provide a definition of Spent Nuclear Fuel (SNF) and Used Nuclear Fuel (UNF) and indicate the context and usage of when each definition should be utilized.
- 2) DOE inform the Site-Specific Advisory Boards of the decision on utilization, as well as the official designation for post-irradiated residual material from defense and commercial reactors.
- 3) Publicize the plan for public consumption.

The Department accepts your recommendation and believes these actions have already occurred.

Regarding recommendation 1): SNF and UNF are used interchangeably within the Department. They are intended to mean the same thing. The CAB has been provided with a definition of SNF/UNF in the Work Scope Descriptions and Glossary of Terms on page 17 dated September 2014 Revision 1. The definition of SNF/UNF is "Fuel withdrawn from a nuclear reactor following irradiation, the constituent elements of which having not been separated by reprocessing." It also clearly states that UNF is also called SNF.

Regarding recommendation 2): the term UNF was developed to show that there is remaining intrinsic value within the Department's SNF. The Department's SNF/UNF that is processed through H-Canyon contains uranium which is blended to a low enrichment level and sent to a commercial fuel fabricator for production of fuel for the commercial power reactors of the Tennessee Valley Authority. Since SNF is the term used in the laws, DOE Savannah River Operations Office will use SNF in the future when addressing the CAB, in an effort to avoid further confusion.

Dr. Parson

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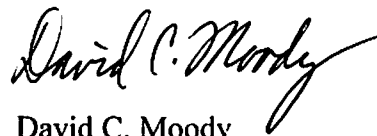
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Regarding recommendation 3): the definition is published in a public document, "Work Scope Descriptions and Glossary of Terms, dated September 2014 revision 1", and resides on the CAB's website.

The Department views the actions requested in this recommendation have been completed.

If you have any questions, please contact me or have your staff contact Patrick McGuire at (803) 208-3927.

Sincerely,

A handwritten signature in black ink that reads "David C. Moody". The signature is written in a cursive style with a long, sweeping tail on the "y".

David C. Moody
Manager

NMPD-15-0032

cc:

Kristen Ellis, (EM-3.2), DOE-HQ
David Borak, (EM-3.2), DOE-HQ
Gary Deleon, (EM-22), DOE-HQ
Sandra Waisley, DDFO, DOE-SR
Angela Adams, DDFO, DOE-SR
Catherine Templeton, SCDHEC
Gwen Keys, U.S. EPA
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