



Department of Energy  
Washington, DC 20585

September 10, 2013

MEMORANDUM FOR: TRITIUM FOCUS GROUP MEMBERS

FROM: BILL WEAVER *Bill Weaver*  
OFFICE OF THE CHIEF OF NUCLEAR SAFETY  
OFFICE OF ENVIRONMENTAL MANAGEMENT

DAVE BABINEAU  
NATIONAL SECURITY DIRECTORATE  
SAVANNAH RIVER NATIONAL LABORATORY

SUBJECT: Official Position of the Tritium Focus Group on Hazard Category 2 and 3 Threshold Values for Tritium

The Defense Nuclear Facilities Safety Board requested that the Tritium Focus Group arrive at a consensus on whether to abide by the currently established Hazard Category 2 and 3 threshold values for tritium in DOE-STD-1027-92, or to adopt the new methodology incorporated in the National Nuclear Security Administration (NNSA) Supplemental Directive for facility hazard classification. Each member organization of the Tritium Focus Group was contacted and requested to vote on the threshold values. The results of the voting are presented in the table below. Since the required 2/3 majority was not achieved, the position of the TFG is to remain with the current 1027 methodology. This was the position that was previously transmitted to NNSA when the guidance was in draft form; as such, the NNSA supplemental directive for tritium did not incorporate the new methodology, but defaulted to the old 1027 values for tritium as well.

Designated Representatives <sup>1</sup>	Organization	Endorse NNSA methodology? Y/N
Mike Rogers (P)	Los Alamos National Laboratory	Y
Dave Senor (P)	Pacific Northwest National Laboratory	Y
Steve Mazurek (P) Marlene Moore (A)	Savannah River Site Tritium Facilities	N
Dave Babineau (P) Jim Klein (A)	Savannah River National Laboratory	N
Charlie Gentile (P) Keith Rule (A)	Princeton Plasma Physics Laboratory	N
Masa Shimada (P)	Idaho National Laboratory	N

<sup>1</sup> P = Primary; A = Alternate.



Richard Karnesky (P)	Sandia National Laboratories	N
Jim McNeese (P)	Lawrence Livermore National Laboratory	N
Walt Shmayda (P)	University of Rochester Laboratory for Laser Energetics	N

Mike Rogers of Los Alamos National Laboratory is heading the effort to develop revised threshold values for hazard classification for tritium facilities that are more cognizant of the risks of tritium as compared to other radionuclides. The discussion on this topic will continue at future Tritium Focus Group meetings from where Mike left off in the April 2013 meeting. Mike can be contacted at [mrogers@lanl.gov](mailto:mrogers@lanl.gov) with any questions.

cc:

M. Campagnone, HS-1.1

I. Trujillo, NA-SH-80