



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

October 12, 2021

Ms. Hillary Lane, Director
Fuel and Radiation Safety
Nuclear Energy Institute
1201 F Street., NW, Suite 1100
Washington, DC 20004

SUBJECT: ACCEPTANCE FOR ENDORSEMENT OF NUCLEAR ENERGY INSTITUTE
21-06: "GUIDELINES FOR 10 CFR 50.59 IMPLEMENTATION AT
NON-POWER PRODUCTION OR UTILIZATION FACILITIES"
(EPID: L-2020-NFG-0002)

Dear Ms. Lane:

The Nuclear Regulatory Commission (NRC) received the Nuclear Energy Institute's (NEI's) August 23, 2021, electronic mail (Agencywide Documents Access and Management System (ADAMS) Accession No. ML21236A088), requesting endorsement of NEI 21-06, "Guidelines for 10 CFR 50.59 Implementation at Non-Power Production or Utilization Facilities" (ADAMS Accession No. ML21236A089).

The version of NEI 21-06, dated August 23, 2021, addresses comments previously provided by the NRC staff (ADAMS Accession No. ML21236A203 and ML21236A202). Therefore, the NRC staff has initiated formal NRC endorsement of NEI 21-06 via the NRC's regulatory guide (RG) process. At your request, while considering public awareness of the development, the NRC staff is expediting the endorsement process and has established a six-month schedule that is already underway. The plan is to issue Draft Regulatory Guide-2007 for public comment by the end of October 2021 with tentative issuance of RG 2.8, Revision 0, by April 2022.

Presently, the NRC staff has not noted any exceptions to full endorsement of NEI 21-06, as submitted. Use of the NEI 21-06 guidance during the NRC endorsement process is at the discretion of the Non-Power Production or Utilization Facility licensees. However, such use is at the licensee's risk.

Finally, I wish to express my appreciation of the National Organization of Test, Research, and Training Reactors (TRTR) for effective pre-submittal engagements with the NRC staff, which facilitated early resolution of issues and effective development of this guidance. We look forward to similar pre-submittal engagements with TRTR beginning this Fall to develop the supplemental guidance specific to digital equipment.

If you have any concerns or questions, please contact Mr. Duane Hardesty, Senior Project Manager, at (301) 415-3724, or via email at Duane.Hardesty@nrc.gov.

Sincerely,

A handwritten signature in black ink, appearing to read 'M. Shams'.

Signed by Shams, Mohamed
on 10/12/21

Mohamed Shams, Director
Division of Advanced Reactors and Non-Power
Production and Utilization Facilities
Office of Nuclear Reactor Regulation

Project No. 689

cc: Dr. Ayman Hawari, Director
Nuclear Reactor Program
North Carolina State University
Room 1110 Burlington Laboratory
2500 Stinson Drive
Raleigh, NC 27695-7909

SUBJECT: ACCEPTANCE FOR ENDORSEMENT OF NUCLEAR ENERGY INSTITUTE 21-06:
"GUIDELINES FOR 10 CFR 50.59 IMPLEMENTATION AT NON-POWER
PRODUCTION OR UTILIZATION FACILITIES" (EPID: L-2020-NFG-0002)
DATED: OCTOBER 12, 2021

DISTRIBUTION:

Public
SAnderson, NRR
JBorromeo, NRR
DHardesty, NRR
NParker, NRR
MWaters, NRR
JJohnston, NRR
NCarte, NRR
THipschman, NRR
DBeaulieu, NRR
TTate, NRR
RidsOgcMailCenter

ADAMS Accession No.: ML21266A302**NRR-106**

OFFICE	NRR/DANU/UNPL/PM	NRR/DANU/UNPL/LA	NRR/DEX/EICB/BC	NRR/DNO/IRIB/BC
NAME	DHardesty	NParker	JJohnston	THipschman
DATE	9/28/2021	9/29/2021	9/30/2021	10/5/2021
OFFICE	OGC	NRR/DANU/UNPO/BC	NRR/DANU/UNPL/BC	NRR/DANU/D
NAME	STurk	TTate	JBorromeo	MShams
DATE	10/8/2021	9/29/2021	9/29/2021	10/12/2021

OFFICIAL RECORD COPY

TRTR Addressee List:

Dr. David M. Slaughter, President
and Reactor Administrator
Aerotest Operations Inc.
3455 Fostoria Way
San Ramon, CA 94583

Mr. Paul J. O'Connor, Ph.D.
Facility Director
Dow Chemical TRIGA Research Reactor
Dow Chemical Company
Building 1602
Midland, MI 48674

Mr. Matt Feyrer, Site Manager
GE Hitachi Nuclear Energy
Vallecitos Nuclear Center
6705 Vallecitos Road
Sunol, CA 94586

Dr. Marylou Dunik-Gougar
Reactor Administrator
Idaho State University
Professor of Nuclear Engineering
921 S. 8th Avenue, MS 8065
Pocatello, ID 83209-8060

Dr. Alan Cebula
Nuclear Reactor Facility Manager
Kansas State University
112 Ward Hall
Manhattan, KS 66506-5204

Mr. Jerry Newhouse, Director
Reed College
Reed Research Reactor
3203 Southeast Woodstock Boulevard
Portland, OR 97202-8199

Dr. Wei Ji, Director
Reactor Critical Facility
Rensselaer Polytechnic Institute
110 8th Street
JEC 5040
Troy, NY 12180 3590

Mr. Ethan Taber, Reactor Manager
Missouri University of Science
and Technology
Nuclear Reactor Facility
250 West 13th Street
Rolla, MO 65409-0630

Mr. Andrew Kauffman, Associate Director
Ohio State University
Nuclear Reactor Laboratory
1298 Kinnear Road
Columbus, OH 43212-1154

Dr. Steven R. Reese, Director
Oregon State University
100 Radiation Center
Corvallis, OR 97331-5903

Dr. Kenan Unlu, Director
Radiation Science and Engineering Center
Breazeale Nuclear Reactor
Pennsylvania State University
University Park, PA 16802-2301

Dr. Thomas H. Newton, Deputy Director
National Institute of Standards
and Technology
NIST Center for Neutron Research
U.S. Department of Commerce
100 Bureau Drive, Mail Stop 6101
Gaithersburg, MD 20899-6101

Dr. Seungjin Kim, Reactor Director
Purdue University
The School of Nuclear Engineering
516 Northwestern Avenue
West Lafayette, IN 47906

Dr. Wesley D. Frey, Reactor Director
McClellan Nuclear Research Center
University of California, Davis
5335 Price Avenue, Building 258
McClellan, CA 95652-2504

Dr. Cameron Goodwin, Director
Rhode Island Nuclear Science Center
16 Reactor Road
Narragansett, RI 02882-1165

Dr. George E. Miller, Reactor Supervisor
Nuclear Reactor Facility
Department of Chemistry
University of California
1102 Natural Sciences 2
Irvine, CA 92697-2025

Andrew Cook, Interim Reactor Facility Director
Chief, Reactor Division
Radiation Sciences Department
Armed Forces Radiobiology Research Institute
4555 South Palmer Road, Building
Bethesda, MD 20889-5648

Dr. Donald Wall, Facility Director
University of Florida Training Reactor
P.O. Box 116400
Gainesville, FL 32611

Dr. Sean McDeavitt, Director
Nuclear Science Center
Texas A&M Engineering Experiment Station
1095 Nuclear Science Road, MS 3575
College Station, TX 77843-3575

Ms. Amber Johnson, Director
Nuclear Reactor and Radiation Facilities
University of Maryland
Department of Materials Science and Engineering
4418 Stadium Drive, Room 1104
College Park, MD 20742-2115

Jonathan Wallick, Reactor Supervisor
U.S. Geological Survey
P.O. Box 25046, MS 974
Denver Federal Center
Denver, CO 80225

Mr. Leo Bobek, Reactor Supervisor
University of Massachusetts Lowell
Nuclear Radiation Laboratory
One University Avenue
Lowell, MA 01854

Dr. Glenn E. Sjoden, Director
Utah Nuclear Engineering Program
Professor, Energy Solutions Presidential
Endowed Chair
Dept of Civil and Environmental Engineering
University of Utah
110 Central Campus Dr., Rm 2000
Salt Lake City, UT 84112

Dr. David J. Robertson, Reactor Facility Director
University of Missouri-Columbia
Research Reactor Center
1513 Research Park Drive
Columbia, MO 65211

Mr. Robert Agasie, Reactor Director
Nuclear Reactor Laboratory
University of Wisconsin - Madison
1513 University Avenue, Room 1215
Madison, WI 53706-1687

Carl Willis, Chief Reactor Supervisor
Nuclear Engineering Department
1 University of New Mexico, MSC-01-1120
Albuquerque, NM 87131-0001

Mr. Corey Hines, Director
Washington State University
Nuclear Radiation Center
50 Roundtop Drive
Pullman, WA 99164 1300

Mr. Paul Whaley, Associate Director
Nuclear Engineering Teaching Laboratory
The University of Texas at Austin
10100 Burnet Road, Building 159
Austin, TX 78758

Mr. John P. Foster, Director
of Reactor Operations
Nuclear Reactor Laboratory
Massachusetts Institute of Technology
138 Albany Street, MS NW12-110
Cambridge, MA 02139

Gregory Piefer, Ph.D.
Chief Executive Officer
Shine Medical Technologies, LLC
101 E. Milwaukee Street, Suite 600
Janesville, WI 53545

Mr. Scott Lassell, Manager
of Engineering and Operations
Nuclear Reactor Program
Department of Nuclear Engineering
North Carolina State University
Room 1110 Burlington Laboratory
2500 Stinson Drive
Raleigh, NC 27695-7909

Dr. Michael Nastasi, Department Head
Texas A&M University
Nuclear Engineering Department
3133 TAMU
College Station, TX 77843-313
Austin, TX 78756-3189