

March 28, 2017

LICENSEE: Purdue University

FACILITY: Purdue University Research Reactor

SUBJECT: SUMMARY OF MARCH 16, 2017, PUBLIC MEETING WITH PURDUE UNIVERSITY REGARDING LICENSE AMENDMENT APPLICATION FOR AN ALL-DIGITAL INSTRUMENTATION AND CONTROL SYSTEM (CAC NO. MF9347)

On March 16, 2017, a Category 1 public meeting and teleconference was held between the U.S. Nuclear Regulatory Commission (NRC) staff and representatives of the Purdue University Research Reactor (Purdue), at the NRC Headquarters, One White Flint North, 11555 Rockville Pike, Rockville, Maryland. The purpose of this meeting was to discuss the Purdue license amendment request, dated February 27, 2017 (Agencywide Documents Access and Management Systems (ADAMS) Accession Nos. ML17061A262, ML17061A264, and ML17061A265), for approval of changes to the license and technical specifications to allow an upgrade to an all-digital instrumentation and control system. The meeting notice and agenda, dated March 2, 2017, are available in ADAMS at Accession No. ML17065A319. A list of attendees is provided as an enclosure.

The discussion included clarifications about the signal path and system architecture, independence of the control system and the reactor protection system, and the development of the application software being implemented in the new digital system. The need for an understanding of design documents such as the software development specifications was emphasized by the NRC staff. NRC staff also emphasized that it will use the current draft of Parts 1 and 2 of the Interim Staff Guidance, augmenting Chapter 7 of NUREG-1537, to evaluate the license amendment request (ADAMS Accession Nos. ML15134A484 and ML15134A486) for its reviews. The NRC staff will review the submittal to ensure that the material content from Part 1 was addressed in the submittal and will use the acceptance criteria in Part 2 to review the application. NRC staff will continue its acceptance review and provide written feedback to the licensee.

Purdue staff reiterated their request for an expedient review due to persistent noise issues affecting equipment operability.

Please direct any inquiries to me at 301-415-3398, or via e-mail at Cindy.Montgomery@nrc.gov.

/RA/

Cindy K. Montgomery, Project Manager
Research and Test Reactors Licensing Branch
Division of Policy and Rulemaking
Office of Nuclear Reactor Regulation

Enclosure:
As stated

cc: See next page

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ADAMS Accession No.: ML17080A449; *concurred via email

NRC-001

OFFICE	NRR/DPR/PRLB/PM	NRR/DPR/PROB/LA*	NRR/DPR/PRLB/BC	NRR/DPR/PRLB/PM
NAME	CMontgomery	NParker	AAdams	CMontgomery
DATE	3/20/17	3/22/17	3/28/17	3/28/17

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Purdue University

Docket No. 50-182

cc:

Leah Jamieson, Dean of Engineering
Purdue University
School of Nuclear Engineering
400 Central Drive
West Lafayette, IN 47907

Mayor
City of West Lafayette
609 W. Navajo Street
West Lafayette, IN 47906

John H. Ruyack, Manager
Epidemiology Res Center
Indoor & Radiological Health
Indiana Department of Health
2525 N. Shadeland Avenue, Suite E3
Indianapolis, IN 46219

Howard W. Cundiff, P.E., Director
Consumer Protection
Indiana State Department of Health
2 North Meridian Street, Suite 5D
Indianapolis, IN 46204

Clive Townsend, Reactor Supervisor
Purdue University
School of Nuclear Engineering
400 Central Drive
West Lafayette, IN 47907

Test, Research and Training
Reactor Newsletter
P.O. Box 118300
University of Florida
Gainesville, FL 32611

Dr. Robert Bean, Director
Purdue University Radiation Laboratory
School of Nuclear Engineering
400 Central Drive
West Lafayette, IN 47907

LIST OF ATTENDEES

MARCH 16, 2017 MEETING WITH PURDUE UNIVERSITY

RESEARCH REACTOR

1:30 P.M. - 4:00 P.M.

<u>Name</u>	<u>Organization</u>
Clive Townsend	Purdue University
Rossnyev Alvarado	U.S. Nuclear Regulatory Commission
Norbert Carte	U.S. Nuclear Regulatory Commission
Cindy Montgomery	U.S. Nuclear Regulatory Commission
Dan Warner	U.S. Nuclear Regulatory Commission
Mike Waters	U.S. Nuclear Regulatory Commission
Patrick Boyle	U.S. Nuclear Regulatory Commission
Robert Ammon	Sciencetech, Inc.
Warren Odess-Gillett	Westinghouse Electric Company LLC