

September 17, 2010

Dr. John A. Bernard, Jr.  
Director of Reactor Operations  
Massachusetts Institute of Technology  
Research Reactor  
MITNRL-NW 12  
138 Albany Street  
Cambridge, MA 02139

SUBJECT: INITIAL EXAMINATION REPORT NO. 50-20/OL-10-01, MASSACHUSETTS  
INSTITUTE OF TECHNOLOGY

Dear Dr. Bernard:

During the week of September 6, 2010, the U. S. Nuclear Regulatory Commission (NRC) administered an operator licensing examination at your Massachusetts Institute of Technology Reactor. The examination was conducted according to NUREG-1478, "Operator Licensing Examiner Standards for Research and Test Reactors," Revision 2. Examination questions and preliminary findings were discussed with those members of your staff identified in the enclosed report at the conclusion of the examination.

In accordance with Title 10 of the *Code of Federal Regulations* Section 2.390, a copy of this letter and the enclosures will be available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records (PARS) component of NRC's Agencywide Documents Access and Management System (ADAMS). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html>. The NRC is forwarding the individual grades to you in a separate letter which will not be released publicly. Should you have any questions concerning this examination, please contact Mr. Phillip T. Young at 301-415-4094 or via internet e-mail [phillip.young@nrc.gov](mailto:phillip.young@nrc.gov).

Sincerely,

**/RA/**

Johnny H. Eads, Jr., Chief  
Research and Test Reactors Oversight Branch  
Division of Policy and Rulemaking  
Office of Nuclear Reactor Regulation

Docket No. 50-20

Enclosures: 1. Initial Examination Report No. 50-20/OL-10-01

cc without enclosures: See next page

September 17, 2010

Dr. John A. Bernard, Jr.  
Director of Reactor Operations  
Massachusetts Institute of Technology  
Research Reactor  
MITNRL-NW 12  
138 Albany Street  
Cambridge, MA 02139

SUBJECT: INITIAL EXAMINATION REPORT NO. 50-20/OL-10-01, MASSACHUSETTS  
INSTITUTE OF TECHNOLOGY

Dear Dr. Bernard:

During the week of September 6, 2010, the U. S. Nuclear Regulatory Commission (NRC) administered an operator licensing examination at your Massachusetts Institute of Technology Reactor. The examination was conducted according to NUREG-1478, "Operator Licensing Examiner Standards for Research and Test Reactors," Revision 2. Examination questions and preliminary findings were discussed with those members of your staff identified in the enclosed report at the conclusion of the examination.

In accordance with Title 10 of the *Code of Federal Regulations* Section 2.390, a copy of this letter and the enclosures will be available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records (PARS) component of NRC's Agencywide Documents Access and Management System (ADAMS). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html>. The NRC is forwarding the individual grades to you in a separate letter which will not be released publicly. Should you have any questions concerning this examination, please contact Mr. Phillip T. Young at 301-415-4094 or via internet e-mail [phillip.young@nrc.gov](mailto:phillip.young@nrc.gov).

Sincerely,

**/RA/**

Johnny H. Eads, Jr., Chief  
Research and Test Reactors Oversight Branch  
Division of Policy and Rulemaking  
Office of Nuclear Reactor Regulation

Docket No. 50-20

Enclosures: 1. Initial Examination Report No. 50-20/OL-10-01

cc without enclosures: See next page DISTRIBUTION w/ encls.:

PUBLIC PRTB r/f RidsNRRDPRPRTA  
RidsNRRDPRPRTB Facility File (CRevelle) O-7 F-08

ADAMS ACCESSION #: ML102571660

TEMPLATE #:NRR-074

OFFICE	PROB:CE	IOLB:LA	E	PROB:BC
NAME	PYoung	CRevelle	JEads	
DATE	09/16/2010	09/17/2010	09/17/2010	

C = COVER

E = COVER & ENCLOSURE  
OFFICIAL RECORD COPY

N = NO COPY

Massachusetts Institute of Technology

Docket No. 50-20

cc:

City Manager  
City Hall  
Cambridge, MA 02139

Department of Environmental Protection  
One Winter Street  
Boston, MA 02108

Mr. Robert Gallagher, Acting Director  
Radiation Control Program  
Department of Public Health  
Schrafft Center, Suite 1M2A  
529 Main Street  
Charlestown, MA 02129

Nuclear Preparedness Manager  
Massachusetts Emergency Management Agency  
400 Worcester Road  
Framingham, MA 01702-5399

Test, Research, and Training  
Reactor Newsletter  
University of Florida  
202 Nuclear Sciences Center  
Gainesville, FL 32611

U. S. NUCLEAR REGULATORY COMMISSION  
OPERATOR LICENSING INITIAL EXAMINATION REPORT

REPORT NO.: 50-20/OL-10-01  
FACILITY DOCKET NO.: 50-20  
FACILITY LICENSE NO.: R-37  
FACILITY: MITR-II  
EXAMINATION DATES: September 07 & 08, 2010  
SUBMITTED BY: Phillip T. Young, Chief Examiner Date

SUMMARY:

During the week of September 6, 2010 the NRC administered operator licensing examinations to one Senior Operator Upgrade applicant. The applicant passed all portions of the examination.

**REPORT DETAILS**

1. Examiners:  
Phillip T. Young, Chief Examiner, NRC

2. Results:

	<b>RO PASS/FAIL</b>	<b>SRO PASS/FAIL</b>	<b>TOTAL PASS/FAIL</b>
Written	0/0	0/0	0/0
Operating Tests	0/0	1/0	1/0
Overall	0/0	1/0	1/0

3. Exit Meeting:  
Phillip T. Young, NRC, Examiner  
Mr. Ed Lau, MIT, Reactor Superintendent  
Mr. Frank Warmesley, MIT, Training Supervisor

The examiner thanked the facility for all the work and coordination required to conduct the examinations.

ENCLOSURE 1