

February 15, 2008

LICENSEE: University of Florida

FACILITY: University of Florida Training Reactor (UFTR)

SUBJECT: SUMMARY OF MEETING BETWEEN UFTR AND NRC STAFF

On November 13, 2007, representatives of NRC staff met at NRC Headquarters with representatives of the University of Florida. Enclosure 1 is a list of meeting attendees.

The purpose of the meeting was to discuss potential plans for upgrading the control and instrumentation systems for the UFTR to a completely digital system.

Topics discussed at the meeting were: UFTR overview of reactor and safety analysis and different designs of fully digital control systems and their safety and regulatory aspects. There was also some discussion on how to best move forward. The University's presentation is Enclosure 3.

On slide 25 the reference to financial relationship between reviewer and licensee refers to the software verification and validation process. This process is performed by the software developer and is not associated with the NRC review of this application. The reviewer is an independent contractor and is not associated with the NRC. The term "licensee" refers to the holder of the license to use this software. The NRC staff will review the software development process and results as part of the application review.

The licensee stated that the desire to upgrade comes from a desire to have a system in place similar to what they believe will be in industry in the future. This system will be used as a teaching tool for students.

The importance of close communication between the NRC and licensee staffs during development of the licensee's application was stressed. UFTR will keep the NRC staff aware of developments. Staff was asked to develop a list of useful guidance documentation for the license; this is included as Enclosure 2.

Sincerely,

/RA/

Stephen Pierce, Project Manager
Research and Test Reactors Branch A
Division of Policy and Rulemaking
Nuclear Reactor Regulation

Docket No. 50-83

Enclosures: As stated

cc w/enclosure: See next page

Contact: Stephen Pierce, NRR/DPR
301-415-2261

University of Florida

Docket No. 50-83

cc:

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Test, Research and Training
Reactor Newsletter
Director of Nuclear Facilities
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MEETING BETWEEN THE NRC STAFF AND
UNIVERSITY OF FLORIDA TRAINING REACTOR

November 13, 2007

NAME	TITLE	ORGANIZATION
Alexander Adams, Jr.	Project Manager	NRC
James Baciah	Professor	UF
Mathew Baglund	SRO	UF
Alireza Haghghat	Chair UF	UF
Stephen Pierce	Project Manager	NRC
Paul Loeser	I+C	NRC
Dan Hughes	Project Manager	NRC
Steven Arndt	STA	NRC
Robert Kuntz	Project Manager	NRC
John Nguyen	Project Manager	NRC

Guidance Documentation

10 CFR 50	Generic Letter 89-02 (ML031140060)
GDC-20	Generic Letter 91-05 (ML031140508)
GDC-24	ISG on Communications (ML072220222)
10 CFR 50 Appendix B	ISG on Cyber Security (ML072270035)
Ch.15 of SAR	ISG on D3 (ML072540118)
SECY 93-087 (ML003708021)	ISG on Human Factors (ML072260275 & ML072280136)
SRM on SECY 93-087 (ML003708056)	EPRI TR-102323
SRP Section 7.1 (ML070550076)	EPRI TR-106439
SRP App 7.1-C (ML070550088)	EPRI TR-107330
SRP App 7.1-D (ML070880508)	IEEE Std. 308
SRP Section 7-6 (ML070460348)	IEEE Std. 323
SRP Section 7-9 (ML070550084)	IEEE Std. 344
SRP BTP 7-2 (ML070550090)	IEEE Std. 352
SRP BTP 7-4 (ML070550093)	IEEE Std. 379
SRP BTP 7-5 (ML070550094)	IEEE Std. 384
SRP BTP 7-6 (ML070550095)	IEEE Std. 420
SPR BTP 7-12 (ML070550078)	IEEE Std. 494
SRP BTP 7-14 (ML070670183)	IEEE Std. 577
SPR BTP 7-17 (ML070550075)	IEEE Std. 603-1991
SRP BTP 7-19 (ML070550072)	IEEE Std. 7-4.3.2-2003
SPR BTP 7-21 (ML070550070)	IEEE Std. 828-1998
NUREG/CR 6101 (ML072750055)	IEEE Std. 829
NUREG/CR 6463 (ML071790515)	IEEE Std. 830
Regulatory Guide 1.22 (Legacy #7907100108)	IEEE Std. C62.41
Regulatory Guide 1.47 (ML003740127)	IEEE Std. C62.45
Regulatory Guide 1.53 (ML033220006)	IEEE Std. 1008
Regulatory Guide 1.62 (ML003740216)	IEEE Std. 1012-1998
Regulatory Guide 1.75 (ML043630448)	IEEE Std. 1028,
Regulatory Guide 1.100 (ML003740293)	IEEE Std. 1042-1987
Regulatory Guide 1.105 (ML993560062)	IEEE Std. 1050
Regulatory Guide 1.152 (ML053070150)	IEEE Std. 1074
Regulatory Guide 1.168 (ML040410189)	IEEE Std. 1228
Regulatory Guide 1.169 (ML003740102)	IEEE Std. 1540-2001
Regulatory Guide 1.170 (ML003740105)	IEEE/EIA 12207.0-1996
Regulatory Guide 1.171 (ML003740108)	IEC 12207.0
Regulatory Guide 1.172 (ML003740094)	IEC 60880-2
Regulatory Guide 1.173 (ML003740101)	IEC 61000
Regulatory Guide 1.180 (ML032740277)	ISA S67.04
Regulatory Guide 1.209 (ML070190294)	MIL-STD-461E

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Sincerely,
/RA/
Stephen Pierce, Project Manager
Research and Test Reactors Branch A
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Nuclear Reactor Regulation

Docket No. 50-83
Enclosures: As Stated

cc w/enclosure: See next page
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NAME	SPierce sp	AAdams aa	EBarnhill eb	DCollins dsc
DATE	2/14/2008	2/15/2008	2/15/08	2/15/08

Enclosure 3
Slide Presentation