

July 2, 2012

MEMORANDUM TO: Michael Junge, Chief  
Operator Licensing and Human Performance Branch  
Division of Construction, Inspection  
& Operational Programs  
Office of New Reactors

FROM: Jim Kellum */RA/*  
Operator Licensing and Human Performance Branch  
Division of Construction, Inspection  
& Operational Programs  
Office of New Reactors

SUBJECT: SUMMARY OF JUNE 19, 2012, PUBLIC MEETING WITH AP-1000  
OWNERS GROUP ON NEW REACTOR OPERATOR LICENSING

On June 19, 2012, the U.S. Nuclear Regulatory Commission (NRC) staff held a category 2 public meeting with the AP-1000 Owners Group (APOG) on New Reactor Operator Licensing at the Region II Offices in Atlanta, GA to discuss potential changes to the licensed operator examination process. Enclosure 1 lists the attendees at the meeting. Enclosure 2 is the meeting agenda. This meeting discussed the ongoing progress in developing and administering effective new reactor operator licensing examinations.

The NRC staff presented their observation of Summer operator candidates on the Westinghouse simulator at Cranberry Township, PA the week of March 26, 2012. The NRC sent five qualified examiners who evaluated the need for changes and recommended that only minor enhancements be made to the NUREG-1021 Examiner Standard Section 303 reactor operator and senior reactor operator (SRO) Competency Grading Worksheet forms. Additional discussion included evaluation of the SRO in a command and control role and the number of simulator malfunction available so overlap between exams wouldn't be a concern.

The NRC staff and APOG discussed the mock simulator examination development including progress on scenario development and scheduling. A mock simulator exam using instructors as license candidates is tentatively scheduled for the week of August 20, 2012, using the Vogtle 3 and 4 simulators. It was determined that since the sample plans based on draft NUREG-2103, "Knowledge and Abilities Catalog for Nuclear Power Plant Operators, Pressurized-Water Reactors, Westinghouse AP-1000", which were discussed at the last meeting, worked well and writing the exam questions would be largely the same, that no written mock exam would be necessary.

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It was also determined that since only AP-1000 plants are under construction in the immediate future that the NRC/NEI working group should be incorporated in to the quarterly NRC/APOG meeting.

The NRC staff and APOG discussed the industry developed critical tasks for AP-1000 and agreed significant progress has been made. The APOG was going to incorporate NRC comments on their existing list and also add critical tasks relating to shutdown operations, and abnormal operations, if applicable. The critical tasks will be used for exam development per NUREG-1021 including its tentative new section (ES-401N) for AP-1000 exams. There was a limited discussion on the conduct of job performance measures (JPMs) with the plant in a partially built condition. The JPM topic will be added to the next quarterly meeting agenda tentatively scheduled for September 18, 2012 at NRC Region II in Atlanta.

Action items for both the APOG and the NRC were assigned and will be reviewed at the next meeting. Tentative agenda items for the next meeting were also listed. The NRC agreed to provide as many examiners as possible to evaluate the simulator mock exams at Vogtle 3 and 4 and all agreed the number of observers would be limited due to space availability in the simulator.

Questions and comments raised by meeting participants will be evaluated by the NRC staff.

Enclosures: As stated

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NRC/APOG AP-1000 OWNERS GROUP ON  
NEW REACTOR OPERATOR LICENSING  
June 19, 2012

<b>Name</b>	<b>Organization</b>
Mike Junge	NRC / NRO
Mark Franke	NRC / R-II
Jim Kellum	NRC / NRO
R. Scott Egli	NRC/TTC
Malcolm Widmann	NRC / RII
Charles Sawyer	Duke Energy
Bill Altic	Westinghouse
Tony Spring	Southern Nuclear
W. Tom Ryan	TVA
Tim Clouser	Luminant
Matt Schmader	Southern Nuclear
Richard DeVercelly	NRC / TTC
Andy Barbee	SCANA
Phil Capehart	NRC / R-II
Tim Dennis	ANSI3.5 Working Group
Michael Magyar	NRC / R-II
Michael Sontag	B & W/mpower
Derek Edmunds	WTSI
Leon Ray	Southern Nuclear
LaDonna Suggs	NRC / R-II

AGENDA FOR THE CATEGORY 2 PUBLIC MEETING WITH THE  
AP-1000 OWNERS GROUP ON NEW REACTOR OPERATOR LICENSING

Tuesday, June 19, 2012  
8:30 a.m. - 12:30 p.m.  
Nuclear Regulatory Commission  
Marquis One Tower,  
Executive Conference Room R2-1486-32p (14<sup>th</sup> floor)  
245 Peachtree Center Avenue N.E.  
Atlanta, GA 30303

<u>TOPIC</u>	<u>LEAD</u>
Introductions and Opening Remarks	NRC/APOG
Public Input	Public
Discussion of 3/26 Cranberry Simulator Observation	NRC
Examination Development (written, operating and schedule)	NRC/APOG
AP-1000 Simulator Development	NRC/APOG
Discussion on critical tasks	NRC/APOG
Miscellaneous/Emergent Topics	NRC/APOG
Public Input	Public
Summary / Conclusion / Action Item Review	NRC/APOG