

October 8, 2014

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 September 9, 2014, PUBLIC MEETING WITH
THE NEI OPERATOR LICENSING FOCUS GROUP FOR NEW
REACTORS

On September 9, 2014, the U.S. Nuclear Regulatory Commission (NRC) staff held a category 2 public meeting with the NEI Operator Licensing Focus Group on New Reactor Operator Licensing at the NRC Region II offices in Atlanta, GA. This meeting is held on a quarterly basis to discuss scheduling and the ongoing issues and challenges to administering licensed operator examinations for new AP-1000 units. Enclosure 1 lists the attendees at the meeting. Enclosure 2 is the meeting agenda.

The NRC staff discussed with the NEI Focus group the future examination schedule and potential issues that may impact completing the exams. Vogtle and Summer personnel discussed actions they are taking to have the plant reference simulator (PRS) available when needed to support the exam schedule. The industry is continuously evaluating the examination schedule and will inform the NRC as far in advance as possible of any potential schedule adjustments.

The licensees commented that in a few cases the simulators were responding differently. The NRC staff reiterated that the reason the Integrated System Validation (ISV), to be done at the Westinghouse facility and the licensees allowed to take credit for it, was that their simulators and design were the same and should respond identically; if that isn't the case each site would need to perform their own ISV. This also applies to the operator licensing exams. The path to completion of ISV and a PRS was discussed and will be delineated in a subsequent meeting summary.

Vogtle and Summer requested a sample plan for the first operator licensing examination, scheduled for May 2105. The sample plan was provided to them in July, 2014. Based on that sample plan, the development of the written examination is underway.

The NRC staff stated the revision (Rev. 10) to NUREG-1021, Operator Licensing Examination Standard for Power Reactors public comments have been incorporated and Rev. 10 is now with the Office of General Counsel for review.

An agreement list has been generated that delineates agreed upon resolution of items regarding the licensing of operators on first of a kind new reactors. This list has been agreed upon by the Staff and the licensees. It is included as Enclosure 3.

The next quarterly meeting is tentatively scheduled for January 21st, 2015 at the NRC Region II offices in Atlanta, GA.

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

CONTACT: Jim Kellum, NRO/DCIP
(301) 415-5305

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Enclosures:

1. NRC/APOG AP-1000 owners group on
New reactor operator licensing
2. Agenda for the category 2 public meeting with the
NEI licensed operator focus group for new reactors
3. Agreement List

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See next page

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Summary of September 9, 2014 meeting with the AP-1000 Owners Group on New Reactor Operator Licensing

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JClark, RIV

TBlount, RIV

VGaddy, RIV

SReynolds, RIV

SRutledge, TTC

SCochrum, TTC

REgli, TTC

Charles Sawyer (charles.sawyer@duke-energy.com)

NRC/APOG AP-1000 OWNERS GROUP ON
NEW REACTOR OPERATOR LICENSING
September 9, 2014

Name	Organization
Gene Guthrie	NRC / R-II
Jim Kellum	NRC / NRO
Charles Sawyer	Duke Energy
Mike Junge	NRC / NRO
Mark Verbeck	SNC
Leon Ray	SNC
Melinda Bogart	GEH
Dick Sweigart	Duke
Terry McCool	FPL
Gary Callaway	NRC/TTC
Malcolm Widmann	NRC / R-II
Al Harris	SCE & G
Mark Bates	NRC/ R-II
Keith Pope	SNC
Paul Mothena	SCANA
Jason Weathersby	SCANA
Tom Kuhar	Westinghouse
David Lanyi	NRC / R-II
Andy Barbee	SCANA
Bob Hirmanpour	SNC
Dan Bacon	NRC / R-II
Rick Connolly	SCANA
Greg Crosby	SNC
Wes Sparkman	SNC
Tim Nellenbeck	INPO
Marvin Lewis	Member of public
Larry Nutt	GEH
Nick Pappas	NEI
Gary Olmstead	SNC
Richard Grumbir	APOG
Pat Leary	SCANA

AGENDA FOR THE CATEGORY 2 PUBLIC MEETING WITH THE
NEI LICENSED OPERATOR FOCUS GROUP FOR NEW REACTORS

Tuesday, September 9, 2014

8:30 a.m. - 12:30 p.m.

U.S. Nuclear Regulatory Commission

Marquis One Tower

245 Peachtree Center Avenue N.E.

Conference Room R2-945-30P (9th Floor)

Atlanta, GA 30303-1257

Bridge Line Information: Phone: 888-324-2612, Passcode 29892

TOPIC	LEAD
Introductions and opening remarks	NRC
Public input	Public
<ul style="list-style-type: none">Written exam	NRC/APOG
<ul style="list-style-type: none"><ul style="list-style-type: none">Simulator	NRC/APOG Southern/SCANA Leon Ray
<ul style="list-style-type: none">Update from monthly APOG meetings	APOG
<ul style="list-style-type: none">NUREG 1021 revision status update	NRC
<ul style="list-style-type: none">Miscellaneous/Emergent topics	NRC/APOG
Public input	Public
Summary / Conclusion / Action item review	NRC

Agreements between the NRC and AP-1000 Owners Group (APOG) for the initial Vogtle and VC Summer AP-1000 licensed operator examinations

The following list of agreements have been discussed and agreed upon by the NRC staff and the APOG. These agreements do not impact NUREG 1021 and are in place for the first three license examinations only. These agreements are necessary to implement first of a kind licensed operator examinations without a complete power plant in place.

Agreement List

1. If a license candidate has been previously licensed but has never taken a modern era Generic Fundamentals Examination (GFE) then they will have to take and pass a utility administered GFE examination, as described in NUREG 1021, ED-204, section D, step 1.k(2).
2. Training material and the simulator software load will be frozen for first three examinations— this gap (gap covers changes made to the plant and procedures during the freeze) will be closed during continuing training / gap training and an examination administered on this training. The first license examination on updated information will be the 4th NRC examination.
3. NRC examination candidates have one year to complete the license examination—if the examination is not completed in one year, the candidate will have to complete another NRC examination in its entirety.
4. NEI-06-13A/licensee's Updated Final Safety Analysis Report (UFSAR) requires 240 hours of observation activities to familiarize the candidate with operational interfaces encountered by licensed operators. The 240 hours shall be after systems training. The training could be at the Initial License Operator candidate level and could be accomplished at a different plant. Navy training does not preclude having to complete the 240 hours. These activities can include control room observation as well as activities outside the control room such as the work control center, operator walk downs, etc.
5. NUREG 1021, ES-301-2 outline can be submitted without the field Job Performance Measures (JPMs) listed on the form. When the plant has been sufficiently completed the outline will include the field JPMs.
6. Waivers are allowed for a group of candidates if all candidates have the same request. The utility will write one letter and the NRC will put a copy in each person's file. If a candidate's waiver request is only for that individual then a waiver for that person must be done separately.
7. Candidates who pass the initial examination will have conditions/restrictions placed on the license. Approximately six months prior to fuel load NRC will inspect gap training and examinations on the gap training and if satisfactory will remove restriction/conditions. The condition/restriction process will be in place for the first three NRC examinations.
8. NUREG 1021 Form 398 has a signature for training complete—the Site VP can sign the 398 after the waivers are approved by the NRC.
9. Single unit or dual unit license - see NUREG-204 for guidance.
10. The Knowledge and Abilities (KA) catalog will remain a draft until after the first refueling. After the first refueling a team will be formed to re-evaluate the contents of the KA catalog and re-rate the KAs.
11. A separate security agreement for the three in-plant JPMs can be utilized and stand-alone from the security agreement for the other parts of the same examination.
12. The quality of the examination submittal will not be judged as satisfactory or unsatisfactory for the first two NRC examinations since they will be developed in collaboration with the NRC.