

2010 MONTICELLO NUCLEAR GENERATING PLANT

INITIAL EXAMINATION

OUTLINE SUBMITTAL

ENCLOSURE WITHHELD FROM PUBLIC DISCLOSURE IN ACCORDANCE WITH
NUREG-1021 UNTIL AFTER THE EXAMINATION IS COMPLETE.



Monticello Nuclear Generating Plant
2807 W County Road 75
Monticello, MN 55362

August 30, 2010

L-MT-10-050
10 CFR 55.40
NUREG-1021

Regional Administrator, Region III
US Nuclear Regulatory Commission
2443 Warrenville Road, Suite 210
Lisle, IL 60532-4352

Monticello Nuclear Generating Plant
Docket 50-263
Renewed License No. DPR-22

Examination Outlines For the Initial Licensing Examination to Be Conducted the Weeks
of December 6 and December 13, 2010

Reference 1: NUREG-1021, Operator Licensing Examination Standards for Power
Reactors, Revision 9, Supplement 1

In accordance with the requirements of 10 CFR 55.40(b)(4), a power reactor facility licensee must receive NRC approval of their proposed written examination and operating tests. Further, 10 CFR 55.40(a), "Implementation," requires that examinations meet the requirements of Reference 1. Therefore, enclosed for review are the proposed examination outlines for the initial license examinations for the Monticello Nuclear Generating Plant (MNGP) operator license applicants.

In accordance with 10 CFR 55.49, "Integrity of Examinations and Tests," and NUREG-1021, Section ES-201, Attachment 1, "Examination Security and Integrity Considerations," the Northern States Power Company – a Minnesota corporation (NSPM) requests that the enclosed materials be withheld from public disclosure until after the examinations are complete.

The proposed examination outlines were prepared per the guidelines of Reference 1, Sections ES-301, "Preparing Initial Operating Tests," and ES-401, "Preparing Initial Site-Specific Written Examinations". Proposed outlines have been prepared to support development, by the NSPM, of examinations for five (5) Reactor Operator (RO) license candidates and eleven (11) Senior Reactor Operator (SRO) – Instant license candidates.

Enclosed are the following specific items for your review.

Enclosure 1: Form ES-201-2, Examination Outline Quality Checklist

Enclosure 2: Form ES-201-3, (Site Equivalent) Examination Security Agreements

Enclosure 3: Form ES-301-1, Administrative Topics Outline - RO

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- Enclosure 4: Form ES-301-1, Administrative Topics Outline - SRO
- Enclosure 5: Form ES-301-2, Control Room / In-Plant Systems Outline - RO
- Enclosure 6: Form ES-301-2, Control Room / In-Plant Systems Outline - SRO - Instant
- Enclosure 7: Form ES-D-1, Scenario Outlines x 6 (ES-301-4 Data included)
- Enclosure 8: Form ES-301-5, Transient and Event Checklist
- Enclosure 9: Form ES-401-1, BWR Examination Outline (Cover)
- Enclosure 10: Form ES-401-1, BWR Examination Outline (RO)
- Enclosure 11: Form ES-401-3, Generic Knowledge and Abilities Outline (RO)
- Enclosure 12: Form ES-401-1, BWR Examination Outline (SRO)
- Enclosure 13: Form ES-401-3, Generic Knowledge and Abilities Outline (SRO)
- Enclosure 14: Form ES-401-4, Record of Rejected K/As Form
- Enclosure 15: MNGP 2010 ILT NRC Written Exam Outline Random and Systematic Process / Audit Exam Methodology
- Enclosure 16: MNGP 2010 ILT Audit Written, JPM, and Scenario Outlines

Summary of Commitments

This letter makes no new commitments and no revisions to existing commitments.



Timothy J. O'Connor
Site Vice President, Monticello Nuclear Generating Plant
Northern States Power Company - Minnesota

Enclosures (16)

cc: Mr. Dell McNeil, Region III, USNRC (with enclosures)
Project Manager, Monticello, USNRC (without enclosures)
Resident Inspector, Monticello, USNRC (without enclosures)

Facility: Monticello		Date of Examination: 12/6/10		
Item	Task Description	Initials		
		a	b*	c#
1. W R I T T E N	a. Verify that the outline(s) fit(s) the appropriate model, in accordance with ES-401.	B	d	dm
	b. Assess whether the outline was systematically and randomly prepared in accordance with Section D.1 of ES-401 and whether all K/A categories are appropriately sampled.	B	d	dm
	c. Assess whether the outline over-emphasizes any systems, evolutions, or generic topics.	B	d	dm
	d. Assess whether the justifications for deselected or rejected K/A statements are appropriate.	B	d	dm
2. S I M U L A T O R	a. Using Form ES-301-5, verify that the proposed scenario sets cover the required number of normal evolutions, instrument and component failures, technical specifications, and major transients.	B	d	dm
	b. Assess whether there are enough scenario sets (and spares) to test the projected number and mix of applicants in accordance with the expected crew composition and rotation schedule without compromising exam integrity, and ensure that each applicant can be tested using at least one new or significantly modified scenario, that no scenarios are duplicated from the applicants' audit test(s), and that scenarios will not be repeated on subsequent days.	B	d	dm
	c. To the extent possible, assess whether the outline(s) conform(s) with the qualitative and quantitative criteria specified on Form ES-301-4 and described in Appendix D.	B	d	dm
3. W / T	a. Verify that the systems walk-through outline meets the criteria specified on Form ES-301-2: (1) the outline(s) contain(s) the required number of control room and in-plant tasks distributed among the safety functions as specified on the form (2) task repetition from the last two NRC examinations is within the limits specified on the form (3) no tasks are duplicated from the applicants' audit test(s) (4) the number of new or modified tasks meets or exceeds the minimums specified on the form (5) the number of alternate path, low-power, emergency, and RCA tasks meet the criteria on the form.	B	d	dm
	b. Verify that the administrative outline meets the criteria specified on Form ES-301-1: (1) the tasks are distributed among the topics as specified on the form (2) at least one task is new or significantly modified (3) no more than one task is repeated from the last two NRC licensing examinations	B	d	dm
	c. Determine if there are enough different outlines to test the projected number and mix of applicants and ensure that no items are duplicated on subsequent days.	B	d	dm
4. G E N E R A L	a. Assess whether plant-specific priorities (including PRA and IPE insights) are covered in the appropriate exam sections.	B	d	dm
	b. Assess whether the 10 CFR 55.41/43 and 55.45 sampling is appropriate.	B	d	dm
	c. Ensure that K/A importance ratings (except for plant-specific priorities) are at least 2.5.	B	d	dm
	d. Check for duplication and overlap among exam sections.	B	d	dm
	e. Check the entire exam for balance of coverage.	B	d	dm
	f. Assess whether the exam fits the appropriate job level (RO or SRO).	B	d	dm
a. Author	<u>Roman Becker</u>	Printed Name/Signature	Date	7-16-10
b. Facility Reviewer (*)	<u>KEVIN AUGSTEN</u>			8-4-10
c. NRC Chief Examiner (#)	<u>DELL R. McNEIL</u>			9/7/10
d. NRC Supervisor	<u>Hironori Peterson</u>			9/10/10
Note: # Independent NRC reviewer initial items in Column "c"; chief examiner concurrence required. * Not applicable for NRC-prepared examination outlines				