REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR:8909260153 DOC.DATE: 89/09/13 NOTARIZED: NO DOCKET #
FACIL:50-410 Nine Mile Point Nuclear Station, Unit 2, Niagara Moha 05000410
AUTH.NAME AUTHOR AFFILIATION
CONTE,R.J. Region 1, Ofc of the Director
RECIP.NAME RECIPIENT AFFILIATION
BURKHARDT,L. Niagara Mohawk Power Corp.

SUBJECT: Requests encl ref matls for reactor operator & senior reactor operator licensing exams scheduled for wk of 891127.

DISTRIBUTION CODE: IE42D COPIES RECEIVED:LTR 1 ENCL 1 SIZE: 6
TITLE: Operator Licensing Examination Reports

NOTES:

	RECIPIENT ID CODE/NAME	COPIES LTTR	COPIES ENCL	RECIPIENT ID CODE/NAME	COPIES LTTR	COPIES ENCL
	PD1-1 PD	1	1	SLOSSON,M	1	1
	BENEDICT,R	1	1			
INTERNAL:	ACRS	2	2	AEOD/DSP/TPAB	1	1
	NRR SHANKMAN,S	1	1	NRR/DLPQ/HFB 10	1	1
	NRR/DLPQ/OLB 10	1	1	NUDOCS-ABSTRACT	1	1
	REG FILE 02	1	1	RGN1 FILE 01	1	1
EXTERNAL:	LPDR	1	1	NRC PDR	1	1
	NSIC	1	1			

R I D S / A D D S

R I D S / A D D S

NOTE TO ALL "RIDS" RECIPIENTS:

PLEASE HELP US TO REDUCE WASTE! CONTACT THE DOCUMENT CONTROL DESK, ROOM P1-37 (EXT. 20079) TO ELIMINATE YOUR NAME FROM DISTRIBUTION LISTS FOR DOCUMENTS YOU DON'T NEED!

TOTAL NUMBER OF COPIES REQUIRED: LTTR 15 ENCL 15

F/D 4/8

Docket No.: 50-410

SEP 13 1989

Niagara Mohawk Power Corporation
ATTN: Mr. Lawrence Burkhardt, III
Executive Vice President
Nuclear Operations
301 Plainfield Road
Syracuse, New York 13212

Gentlemen:

SUBJECT: REACTOR OPERATOR AND SENIOR REACTOR OPERATOR LICENSING EXAMINATIONS

In a telephone conversation between Mr. G. Weimer, Operations Training Supervisor, and Ms. T. Walker, Senior Operations Engineer, arrangements were made for the administration of licensing examinations at the Nine Mile Nuclear Power Station, Unit No. 2.

The operating examinations are scheduled for the week of November 27, 1989.

To meet the above schedule, it will be necessary for you to furnish the reference material listed in Enclosure 1, "Reference Material Requirements for Reactor/Senior Reactor Operator Licensing Examinations," by October 16, 1989. Any delay in receiving approved, properly bound and indexed reference material, or the submittal of inadequate or incomplete reference material may result in the examination being rescheduled. Mr. Weimer has been advised of our reference material requirements, and the address where each set is to be mailed.

To better document simulator examinations, the Chief Examiner will have the simulator operator record predetermined plant conditions (i.e., plant pressure, temperature, etc.), for each simulator scenario. The applicants will be responsible for providing this information, with any appeal of a simulator operating examination. Therefore, your training staff should retain the original simulator examination scenario information until all applicants who took examinations have either passed the operating examination, accepted the denial of their license, or filed an appeal.

All license applications should be submitted at least 30 days before the examination date so that we will be able to review the training and experience of the applicants, process the medical certifications, and prepare final examiner assignments after applicant eligibility has been determined. If the completed applications are not received at least 14 days before the examination dates, it is likely that a postponement will be necessary.

Mr. Weimer has been informed of the above requirements.

This request is covered by Office of Management and Budget Clearance Number 3150-0101 which expires May 31, 1992. The estimated average burden is 7.7 hours per response, including gathering, xeroxing and mailing the required

1EH3 1/1

material. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Records and Reports Management Branch, Division of Information Support Services, Office of Information Resources Management, U.S. Nuclear Regulatory Commission, Washington, D. C. 20555; and to the Paperwork Reduction Project (3150-0101), Office of Management and Budget, Washington, D. C. 20503.

Thank you for your consideration in this matter. If you have any questions regarding the examination procedures and requirements, please contact the undersigned at (215) 337-5210.

Sincerely,

Original Signed By:

Richard J. Conte, Chief
BWR Section
Operations Branch
Division of Reactor Safety

Enclosure: Reference Material Requirements for Reactor/Senior Reactor Operator Licensing Examinations

cc w/encl:
C. V. Mangan, Senior Vice President
D. Palmer, Acting Manager, Quality Assurance
W. Hansen, Manager, Corporate Quality Assurance
R. Smith, Unit 2 Superintendent, Operations
C. Beckham, Manager, Nuclear Quality Assurance Operations
R. Abbott, Unit 2 Station Superintendent
J. Perry, Vice President, Quality Assurance
K. Dahlberg, Unit 1 Station Superintendent
R. Randall, Unit 1 Superintendent, Operations
J. Willis, General Station Superintendent
C. Terry, Vice President Nuclear Engineering and Licensing
R. Seifried, Assistant Training Superintendent
J. Warden, New York Consumer Protection Branch
T. Conner, Jr., Esquire
G. Wilson, Senior Attorney
J. Keib, Esquire
Director, Power Division, Department of Public Service, State of New York
State of New York, Department of Law
Public Document Room (PDR)
Local Public Document Room (LPDR)
Nuclear Safety Information Center (NSIC)
NRC Resident Inspector
State of New York

bcc w/encl:
Region I Docket Room (with concurrences)
Project Manager, NRR
M. Slosson, NRR
J. Dyer, EDO
J. Wiggins, DRP
D. Limroth, DRP
R. Barkley, DRP
T. Walker, DRS
OL Facility File
DRS Files (2)

bcc w/o enclosure:
Management Assistant, DRMA

DRS:RI
Walker/dmg
9/~~11~~/89
12

DRS:RI
Conte
9/12/89

ENCLOSURE 1

REFERENCE MATERIAL REQUIREMENTS FOR REACTOR/SENIOR REACTOR OPERATOR LICENSING EXAMINATIONS

1. Existing learning objectives, Job Performance Measures and lesson plans (including training manuals, plant orientation manual, system descriptions, reactor theory, thermodynamics, etc.)

   A copy of the facility Job and Task Analysis (JTA), specifying the knowledges and abilities required of an operator at the facility. Each particular knowledge and/or ability will include an importance rating correlating it to ensuring the health and the safety of the public. If a JTA is not furnished, the Knowledges and Abilities Catalog for Nuclear Power Plant Operators, NUREG 1122 (1123) will be used to establish content validity for the examination.

   All Job Performance Measures (JPMs) used to ascertain the competence of the operators in performing tasks within the control room complex and, as identified in the facility JTAs, outside of the control room, i.e., local operations.

   Training materials shall include all substantive written material used for preparing applicants for initial RO and SRO licensing. The written material shall include learning objectives and the details presented during lectures, rather than outlines. Training materials shall be identified by plant and unit, bound, tabbed, and indexed.

   - System descriptions including descriptions of all operationally relevant flow paths, components, controls and instrumentation. System training material should draw parallels to the actual procedures used for operating the applicable system.

   - Complete and operationally useful descriptions of all safety-system interactions and, where available, BOP system interactions under emergency and abnormal conditions, including consequences of anticipated operator error, maintenance error, and equipment failure.

   - Training material used to clarify and strengthen understanding of emergency operating procedures.

2. Complete Procedure Index (including surveillance procedures, etc.)

3. All Administrative Procedures (as applicable to reactor operation or safety)

4. All integrated plant procedures (normal or general operating procedures)

5. All emergency procedures (emergency instructions, abnormal or special procedures)

6. Standing orders (important orders that are safety related and may supersede the regular procedures)

7. Surveillance procedures (procedures that are run frequently, i.e. weekly or that can be run on the simulator)

8. Fuel-handling and core-loading procedures, (initial core-loading procedure, when appropriate)

9. All annunciator/alarm procedures

10. Radiation protection manual (radiation control manual or procedures)

11. Emergency plan implementing procedures

12. Technical Specifications (and interpretations, if available)

13. System Operating Procedures

14. Technical Data Book, and/or Plant curve information as used by operators and facility precautions, limitations, and set points (PLS) for the facility

15. Licensee Event Reports for the previous two years.

16. The following on the plant reference simulation facility

    a. List of all preprogrammed initial conditions

    b. List of all preset malfunctions with a clear identification number. The list shall include cause and effect information. Specifically, for each malfunction a concise description of the expected result, or range of results, that will occur upon implementation shall be provided. Additionally, an indication of which annunciators are to be initially expected should be given.

    c. A description of simulator failure capabilities for valves, breakers, indicators and alarms.

    d. Where the capability exists, an explanation of the ability to vary the severity of a particular malfunction shall be provided, i.e., ability to vary the size of a given LOCA or steam leak, or the ability to cause a slow failure of a component such as a feed pump, turbine generator or major valve. (e.g., drifting shut of a main feedwater control valve)

    e. An identification of modeling conditions/problems that may impact the examination.

    f. Identification of any known performance test discrepancies not yet corrected.

g. Identification of differences between the simulator and the reference plant's control room

h. Copies of facility generated scenarios that expose the applicants to situations of degraded pressure control (PWR), degraded heat removal capability (PWR and BWR) and containment challenges (PWR and BWR). (Voluntary by licensee).

i. Simulator instructors manual (voluntary by licensee).

j. Description of the scenarios used for the training class.

The above reference material shall be approved, final issues and shall be so marked. If a plant has not finalized some of the material, the Chief Examiner shall verify with the facility that the most complete, up-to-date material is available and that agreement has been reached with the licensee for limiting changes before the administration of the examination. All procedures and reference material shall be bound with appropriate indices or tables of contents so that they can be used efficiently. Failure to provide complete, properly bound and indexed plant reference material could result in cancellation or rescheduling of the examinations.