

November 12, 1996

Georgia Power Company
ATTN: Mr. J. T. Beckham, Jr.
Vice President, Plant Hatch
Nuclear Operations
P. O. Box 1295
Birmingham, AL 35201

SUBJECT: SENIOR REACTOR OPERATOR LICENSING EXAMINATIONS -
EXAMINATION REPORT NO. 50-321/97-300 AND 50-366/97-300

Dear Mr. Beckman:

The purpose of this letter is to confirm arrangements made in a telephone conversation on October 31, 1995, between Mr. Steve Grantham, Operations Training Supervisor, and Mr. Michael E. Ernstes, License Examiner, NRC Region II Operator Licensing and Human Performance Branch, for the administration of licensing examinations at the Edwin I. Hatch Nuclear Plant. The examination preparation visit is scheduled for the week of March 3, 1997. The written and operating examinations are scheduled for the week of March 17, 1997.

This examination will be developed and administered as part of the NRC pilot initial examination process based on your staff's request to participate in the pilot process. The NRC pilot initial examination process will permit your staff to draft the written examinations and operating tests for operator and senior operator license applicants. The NRC will review and approve the proposed examinations and tests and independently administer the operating tests to license applicants. Your staff will not administer any portion of the operating tests; however, they will administer the written examinations. The NRC will review the graded written examinations, grade each applicant's operating test performance, make the final pass or fail decisions, and issue licenses, as appropriate.

Your staff will develop the licensing examinations in accordance with the guidelines in Revision 7, Supplement 1, of NUREG-1021, "Operator Licensing Examiner Standards". Additional information on the development of the licensing examinations will be issued separately.

To prepare and administer the examinations on the above schedule, Mr. Ernstes, License Examiner, identified to Mr. Grantham the subset of reference materials identified in Attachment 2 of ES-201 that would be necessary under the pilot process. This material should be submitted by January 17, 1997.

Your staff will prepare and, after NRC review and approval, administer the written examinations in accordance with ES-401 and ES-402 of NUREG-1021. The NRC's guidelines for administering the written examinations are described in ES-402, Attachment 1.

Your staff will prepare and the NRC will administer the operating tests in accordance with ES-301 and ES-302 of NUREG-1021. In order to conduct the requested operating tests, it will be necessary for your staff to make the simulation facility available on the dates noted above. Your staff should retain the original simulator performance data (e.g., system pressures, temperatures, and levels) generated during the dynamic operating tests until the examination results are final.

9612020203 961112
PDR ADOCK 05000321
V PDR

1242

ES-402, Attachment 2, and ES-302, Attachment 1, contain a number of NRC policies and guidelines that will be in effect while the written examination and operating tests are being administered.

Your staff should submit preliminary reactor and senior reactor operator license applications and waiver requests at least 30 days before the first examination date so that the NRC will be able to review the applications and the medical certifications and evaluate any requested waivers. If the applications are not received at least 30 days before the examination date, a postponement may be necessary. Finally, signed applications certifying that all training has been completed should be submitted at least 14 days before the first examination date.

This request is covered by Office of Management and Budget (OMB) Clearance Number 3150-0101, which expires April 30, 1997. The estimated average burden is 7.7 hours per response, includes gathering, xeroxing, and mailing the required material. Send comments about this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Information and Records Management Branch, Mail Stop T-6, F33, Office of Information Resources Management, U.S. Nuclear Regulatory Commission, Washington, D.C. 20555; and to the Paperwork Reduction Project (3150-0101), Office of Information and Regulatory Affairs, NEOB-10202, Office of Management and Budget, Washington, D.C. 20503.

From the requested reference materials identified in the enclosure, we would appreciate retaining your EOPs and AOPs for reference use in our Incident Response Center. If you have any concerns about this proposed use, please contact me.

We appreciate your cooperation. Mr. Grantham has been advised of the NRC guidelines and policies addressed in this letter. If you have any questions on the examination process, please contact me at (404) 331-5541 or E-mail address TAP@NRC.GOV.

Sincerely,

(Original signed by H. Christensen for)

Thomas A. Peebles, Chief
Operator Licensing and Human
Performance Branch
Division of Reactor Safety

Docket Nos. 50-321, 50-366
License Nos. DPR-57, NPF-5

Enclosure: List of Reference Materials

cc w/encl: See page 3

cc w/encl:

J. D. Woodard
Senior Vice President
Georgia Power Company
Nuclear Operations
P. O. Box 1295
Birmingham, AL 35201

H. L. Sumner, Jr.
General Manager, Plant Hatch
Georgia Power Company
P. O. Box 439
Baxley, GA 31513

D. M. Crowe
Manager Licensing - Hatch
Georgia Power Company
P. O. Box 1295
Birmingham, AL 35201

Ernest L. Blake, Esq.
Shaw, Pittman, Potts and
Trowbridge
2300 N Street, NW
Washington, D. C. 20037

Charles H. Badger
Office of Planning and Budget
Room 610
270 Washington Street, SW
Atlanta, GA 30334

Harold Reheis, Director
Department of Natural Resources
205 Butler Street, SE, Suite 1252
Atlanta, GA 30334

Thomas Hill, Manager
Radioactive Materials Program
Department of Natural Resources
4244 International Parkway
Suite 114
Atlanta, GA 30354

Chairman
Appling County Commissioners
County Courthouse
Baxley, GA 31513

Thomas P. Mozingo
Manager of Nuclear Operations
Oglethorpe Power Corporation
2100 E. Exchange Place
Tucker, GA 30085-1349



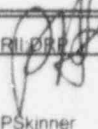

Charles A. Patrizia, Esq.
Paul, Hastings, Janofsky & Walker
10th Floor
1299 Pennsylvania Avenue
Washington, D. C. 20004-9500

Steven M. Jackson
Senior Engineer - Power Supply
Municipal Electric Authority
of Georgia
1470 Riveredge Parkway NW
Atlanta, GA 30328-4684

Mr. John C. Lewis
Training Manager
E. I. Hatch Nuclear Plant
P. O. Box 439
Baxley, GA 31513

Distribution w/encl:
K. N. Jabbour, NRR
P. H. Skinner, RII
R. W. Wright, RII
W. P. Kleinsorge, RII
M. E. Ernstes, RII
G. A. Hallstrom, RII
PUBLIC

NRC Senior Resident Inspector
U.S. Nuclear Regulatory Commission
11030 Hatch Parkway North
Baxley, GA 31513

OFFICE	RII.DRS	RII.DRS	RII.DRS	RII.DRS		
SIGNATURE						
NAME	MErnstes.shd	OLPOC	PSkinner	TPeebles		
DATE	11/12/96	11/12/96	11/12/96	11/12/96	11/ / 96	11/ / 96
COPY?	YES <input checked="" type="radio"/> NO	YES <input checked="" type="radio"/> NO	YES <input checked="" type="radio"/> NO	YES <input checked="" type="radio"/> NO	YES NO	YES NO

OFFICIAL RECORD COPY DOCUMENT NAME: G:\X\HAT\120DAY.MEE

List of Reference Materials

1. Materials used by the facility licensee to ensure operator competency:
 - a. The following types of materials used to train applicants for initial RO and SRO licensing should be provided. The material should be complete, comprehensive, and of sufficient detail to support the development of accurate and valid examinations without being redundant.
 - learning objectives, student handouts, and lesson plans
 - system descriptions of all operationally relevant flow paths, components, controls, and instrumentation
 - material used to clarify and strengthen understanding of normal, abnormal, and emergency operating procedures
 - complete, operationally useful descriptions of all safety system interactions and, where available, balance-of-plant system interactions under emergency and abnormal conditions, including consequences of anticipated operator errors, maintenance errors, and equipment failures
 - b. Questions and answers specific to the facility training program that may be used in the written examinations or operating tests (voluntary by facility licensee).
 - c. Copies of facility-generated simulator scenarios that expose the applicants to abnormal and emergency conditions, including degraded pressure control, degraded heat removal capability, and containment challenges, during all modes of operation, including low power conditions. A description of the scenarios used for the training class may also be provided (voluntary by facility licensee).
 - d. All job performance measures (JPMs) used to ascertain the competence of the operators in performing tasks within the control room complex and outside the control room (i.e., local operations) as identified in the facility JTA. JPMs should evaluate operator responsibilities during normal, abnormal, and emergency conditions and events and during all modes of operation, including cold shutdown, low, and full power.
2. Complete index of procedures (including all categories sent).
3. All administrative procedures 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 modify the regular procedures).

Enclosure

7. Surveillance procedures that are run frequently (i.e., weekly) or that can be run on the simulator.
8. Fuel handling and core loading procedures (if SRO applicants will be examined).
9. All annunciator and alarm procedures.
10. Radiation protection manual (radiation control manual or procedures).
11. Emergency plan implementing procedures.
12. Technical Specifications (and interpretations, if available) for all units for which licenses are sought. (If merits Tech Specs, include all removed programs such as ODCM, etc.)
13. System operating procedures.
14. Technical data book, and plant curve information as used by operators, and facility precautions, limitations, and set points document.
15. The following information pertaining to the simulation facility:
 - a. List of all initial conditions.
 - b. List of all malfunctions with identification numbers.
 - c. Malfunction cause and effect information and a concise description of the expected result or range of results that will occur upon initiation, including an indication of which annunciators will be actuated.
 - d. A description of the simulator's failure capabilities for valves, breakers, indicators, and alarms.
 - e. The range of severity of each variable malfunction (e.g., the size of a reactor coolant or steam leak or the rate of a component failure such as a feed pump, turbine generator, or major valve).
 - f. A list of modeling conditions (e.g., simplifications, assumptions, and limits) and problems that may affect the examination.
 - g. A list of any known performance test discrepancies not yet corrected.
 - h. A list of differences between the simulator and the reference plant's control room.
 - i. Simulator instructors' manual.
16. Any additional plant-specific material that has been requested by the examiners to develop examinations that meet the guidelines of these Standards and the regulations.