



GULF STATES UTILITIES COMPANY

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December 28, 1984
RBG- 19,793
File Nos. G9.5, G9.19.2

Mr. Harold R. Denton, Director
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Dear Mr. Denton:

River Bend Station - Unit 1
Docket No. 50-458

Enclosed is Gulf States Utilities Company's (GSU) response to the Nuclear Regulatory Commission's (NRC) Safety Evaluation Report (SER) Confirmatory Item Nos. (54) - TMI Item II.B.2 and (55) - Backup Radiation Protection Manager Designate. Attachment 1 provides the responses and references to the enclosure. Changes to the Final Safety Analysis Report will be provided in a future amendment. This completes GSU's response to the above referenced SER confirmatory items.

Sincerely,

William J. Booker
for J. E. Booker
Manager-Engineering,
Nuclear Fuels & Licensing
River Bend Nuclear Group

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JEB/RJK/je

Attachments

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ATTACHMENT 1

1. SER Section 12.3.2, page 12-5 - TMI Item II.B.2

RESPONSE

A completed response to TMI Item II.B.2, "Plant Shielding" was provided in FSAR Amendment 15 during November 1984. Section 12.3.2.4, Appendix 1A Item II.B.2, new Figures 12.3-15, 16 and 17, and Tables 12.3-5, 6, 7, 8 and 9 have been revised in Amendment 15. This concludes GSU's response to the NRC Request for Additional Information (RAI) No. 471.20 and SER Confirmatory Item No. (54).

2. SER Section 12.5.1, page 12-9 - Backup RPM Designate

RESPONSE

Revised FSAR Section 13.1.2.2.11 and the revised response to RAI No. 471.21 commit to having the backup to the Radiation Protection Manager (Supervisor of Radiological Programs) qualified to the December 1979 revision to ANSI 3.1 (See Enclosure). GSU has recently hired a Radiation Protection Supervisor which meets the above referenced qualification. This change will be incorporated in a future FSAR amendment.

RBS FSAR

13.1.2.2.10 Instrumentation and Controls Supervisor

The Instrumentation and Controls Supervisor reports to the General Maintenance Supervisor and is directly responsible for all work performed by instruments and controls (I&C) foreman and technicians to maintain and/or repair any instruments or controls. His duties include coordination, development, and administration of the I&C section and personnel; development, scheduling, implementation, and review of appropriate procedures with proper record control; conformance to RBS OQA/QC Program; and adherence to RBS Operating Manual and Applicable I&C Technical Specifications.

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13.1.2.2.11 Radiation Protection/Chemistry Supervisor

The ~~Radiation Protection/Chemistry~~ Supervisor ^{of Radiological Programs} is responsible for the management of the RBS radiation protection program, the direction of all radiation protection department personnel, and directing the sampling and analysis of plant fluid systems as well as evaluating and reporting the results. He supervises the radiation, environmental, and personnel monitoring programs, the ALARA program, the respiratory protection program, and the whole body counting program. He ensures that adequate radiation protection training has been given to all plant staff and emergency team members and that they have completed training and medical qualifications prior to working in radiation areas.

The ~~Radiation Protection/Chemistry~~ Supervisor ^{of Radiological Programs} reports ~~to the Assistant Plant Manager-Operations, but has direct access to the Plant Manager~~ ^{directly} on all radiation protection matters. The normal backup to the ~~Radiation Protection/Chemistry~~ Supervisor ^{is the Radiation Protection Supervisor.} The qualifications of this individual are provided in Section 13.1.3.2.

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13 | 13.1.2.2.12 Technical Staff

13 | The Technical Staff report to the Assistant Plant Manager-Services and are responsible for all plant systems engineering, performance evaluation, technical support, and instrumentation and controls engineering at the plant. The
13 | 11 Assistant Plant Manager-Services directs the work of the Process Systems Supervisor, Supervisor Computer Systems, Control Systems Supervisor, and Reactor Engineering Supervisor.

13 | The Technical Staff also have the responsibility for development of the fire protection program, including

INSERT

The backup to the Supervisor of Radiological Programs is qualified in accordance with the December 1979 revision of ANSI 3.1. The standard specifies, as a minimum, that the backup is required to have a BS degree in science or engineering (or the equivalent), 2 years of experience in radiation protection, 1 year of which is in nuclear power plant experience, 6 months of which would be onsite.

RBS FSAR

QUESTION 471.21 (13.1)

As specified in Regulatory Guide 1.70, Section 13.1.1.3 and NUREG-0737, you should provide an outline of the qualifications of the individuals designated as your Radiation Protection Supervisor (RPS) and his backup. It is our position that RPS have the qualifications specified in Regulatory Guide 1.8 for Radiation Protection Manager. The December 1979 revision of ANSI 3.1 specifies that individuals temporarily filling the RPM position should have a B.S. degree in science or engineering, two years experience in radiation protection, one year of which should be nuclear power plant experience, six months of which should be on-site. It is our position that such experience should be professional experience. Identify and provide an outline of the qualification of the individual who will act as the backup for the RPM in his absence.

RESPONSE

The recent reorganization has added the position of Radiological Programs ~~Radiation Protection/Chemistry~~ Supervisor who will have the qualifications specified in Regulatory Guide 1.8 for the Radiation Protection Manager. The Radiation Protection Supervisor acts as his normal backup. Individuals temporarily filling the Radiation Protection Supervisor position are required to have a BS degree in science or engineering (or the equivalent), 2 years of experience in radiation protection, 1 year of which is in nuclear power plant experience, 6 months of which would be onsite. These minimum qualifications are consistent with the December 1979 revision of ANSI 3.1. This information is provided in Section 13.1.2.2.11.

RBS FSAR

RESUME

MAXEY F. CASSADA

~~RADIATION PROTECTION/CHEMISTRY~~ SUPERVISOR
OF RADIOLOGICAL PROGRAMSEDUCATION

| <u>School and Location</u> | <u>Major</u> | <u>Date</u> | <u>Degree</u> |
|---|----------------------------|-------------|--------------------------------|
| University of Nebraska Omaha, Nebraska | Business Administration | 1980 | Bachelor General Studies |

Additional Courses or Training

Navy Nuclear Power Training Program - 1961/62
 Advanced Health Physics - Rockwell International - 1976
 Respiratory Protection Workshop - Los Alamos Scientific
 Laboratory - 1978
 Radiological Health Physics Course - University of
 Lowell - 1979
 Nuclear Electronics Technology Update - General
 Atomics - 1981
 Radioactive Waste Management Workshop - ASME/EPRI -
 1981/82
 Radiation Protection Training - INPO - 1982
 Radiation Issues for the Nuclear Industry - AIF
 Environmental Conference - 1982
 Assessment of Environmental Releases of Radioactivity -
 University of Washington at Seattle - 1982
 Radiation Dosimetry Course - Louisiana State Univer-
 sity - 1983
 Chemistry Managers' Workshop - INPO - 1983
 Industrial Water Treatment Seminar - Betz Laborato-
 ries - 1983
 TLD Workshop - Panasonic - 1983
 Fundamentals of Ground-Water Quality Protection Work-
 shop - 1983

EXPERIENCEGulf States Utilities Company

1. Radiation Protection/Chemistry Supervisor - 5/80 to present

Responsible for the development and management of
 the Radiation Protection, Environmental, and
 Chemistry Programs (acquired Chemistry Program in
 March 1983) at River Bend Station to support the

RBS FSAR

RESUME

EDWIN M. CARGILL, JR.
RADIATION PROTECTION SUPERVISOR

EDUCATION

| <u>School and Location</u> | <u>Major</u> | <u>Date</u> | <u>Degree</u> |
|---|--------------|-------------|---------------|
| Athens State College Athens, Alabama | Chemistry | 1979 | Bachelor |

EXPERIENCEGulf States Utilities Company - River Bend Station

1. Radiation Protection Supervisor - 10/84 to present

Tennessee Valley Authority - BFPN

2. Assistant Plant Health Physicist - Browns Ferry Nuclear Plant -
8/81 - 10/84

Responsible for inplant health physics activities. Represented the plant health physicist at all plant functions. Supervise 5 health physics shift supervisors and all plant health physics technicians.

3. M-4 Assistant Plant Health Physicist - Outage - 8/80 - 8/81

Responsibilities included providing health physics support for refueling and modification outage. Supervised approximately 60 personnel including 3 shift supervisors for 3 major outages including a torus modification.

4. SD-2 Health Physicist - Assistant to the Plant Health Physicist - 6/79 - 8/80

Responsible for inplant training, dose data processing and control, whole body counting, mask fits and training, and radwaste shipping.

RBS FSAR

Tennessee Valley Authority - Muscle Shoals, AL

5. SE-6 Health Physics Technician - Training - 8/77 - 6/79

Provided instruction for health physics technician training classes and 40 hour health physics course for operations personnel, licensing and relicensing. Developed lesson plans and scripts for various training modules including the general health physics orientation.

Tennessee Valley Authority - BFNPP

6. SE-5 Senior Health Physics Technician at Browns Ferry Nuclear Plant, a 3 Unit General Electric Boiling Water reactor site - 5/74 - 8/77.

Provided health physics coverage for maintenance and outage activities.

Reynolds Electrical and Engineering Corp.

7. Radiation Safety Monitor at the Nevada Test Site - 8/64 - 5/74

Provided health physics and industrial hygiene support for DOD Nuclear Weapons Test Program.