

DEC 12 1984

Docket No. 50-458

Distribution:

Docket File EJordan
 NRC PDR NGrace
 Local PDR
 PRC System
 NSIC
 LB#2 Reading
 EHylton
 EWeinkam
 LDewey, OELD
 ACRS (16)

Mr. William J. Cahill, Jr.
 Senior Vice President
 River Bend Nuclear Group
 Gulf States Utilities Company
 Post Office Box 2951
 Beaumont, Texas 77704
 ATTN: Mr. J. E. Booker

Dear Mr. Cahill:

SUBJECT: CERTIFICATE - RIVER BEND STATION UNIT 1 - POLLUTION CONTROL FACILITIES

In your letter dated September 19, 1984 (RBG-18, 920) you requested that our office issue the Certificate - River Bend Station - Pollution Control Facilities attached to your letter.

The NRC staff has reviewed your request and, based on that review, we are satisfied that the portions of River Bend Station for which Gulf States Utilities Company has requested NRC certification are in furtherance of the purpose of abating or controlling atmospheric pollutants or contaminants or water pollutants resulting from the generation of electricity at River Bend Station. Accordingly, the enclosed certificate has been executed.

Copies of your request and this response will be available for inspection at the Local Public Document Room (Government Documents Department, Louisiana State University, Baton Rouge, Louisiana) and at the Commission's Public Document Room at 1717 H Street N.W., Washington, D.C. 20555.

Sincerely,

Original Signed by
 H. R. Denton

Harold R. Denton, Director
 Office of Nuclear Reactor Regulation

Enclosure:
 As stated

cc: See next page

DL:LB#2
 EWeinkam:jj
 10/14/84

DL:LB#2
 ASchwencer
 10/16/84

OELD
 EJake1
 10/15/84

DE/EHEB
 RSamworth
 10/17/84

DSI/RAB
 FCongel
 10/17/84

DL:AD/L
 TNovak
 10/10/84

DD302
 DEisenhut
 10/11/84

NRR/DD
 ECace
 10/11/84

NRR:
 HDenton
 10/12/84

as modified

8412280173 841212
 PDR ADOCK 05000458
 A PDR

UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555



DEC 12 1984

Docket No. 50-458

Mr. William J. Cahill, Jr.
Senior Vice President
River Bend Nuclear Group
Gulf States Utilities Company
Post Office Box 2951
Beaumont, Texas 77704
ATTN: Mr. J. E. Booker

Dear Mr. Cahill:

SUBJECT: CERTIFICATE - RIVER BEND STATION UNIT 1 - POLLUTION CONTROL FACILITIES

In your letter dated September 19, 1984 (RBG-18, 920) you requested that our office issue the Certificate - River Bend Station - Pollution Control Facilities attached to your letter.

The NRC staff has reviewed your request and, based on that review, we are satisfied that the portions of River Bend Station for which Gulf States Utilities Company has requested NRC certification are in furtherance of the purpose of abating or controlling atmospheric pollutants or contaminants or water pollutants resulting from the generation of electricity at River Bend Station. Accordingly, the enclosed certificate has been executed.

Copies of your request and this response will be available for inspection at the Local Public Document Room (Government Documents Department, Louisiana State University, Baton Rouge, Louisiana) and at the Commission's Public Document Room at 1717 H Street N.W., Washington, D.C. 20555.

Sincerely,

A handwritten signature in black ink, appearing to read "H.R. Denton".

Harold R. Denton, Director
Office of Nuclear Reactor Regulation

Enclosure:
As stated

cc: See next page

River Bend Station

Mr. William J. Cahill, Jr.
Senior Vice President
River Bend Nuclear Group
Gulf States Utilities Company
Post Office Box 2951
Beaumont, Texas 77704
ATTN: Mr. J. E. Booker

cc: Troy B. Conner, Jr., Esq.
Conner and Wetterhahn
1747 Pennsylvania Avenue, N. W.
Washington, D.C. 20006

Mr. William J. Reed, Jr.
Director - Nuclear Licensing
Gulf States Utilities Company
Post Office Box 2951
Beaumont, Texas 77704

H. Anne Plettinger
3456 Villa Rose Dr.
Baton Rouge, Louisiana 70806

Richard M. Troy, Jr., Esq.
Assistant Attorney General in Charge
State of Louisiana Department of Justice
234 Loyola Avenue
New Orleans, Louisiana, 70112

Dwight D. Chamberlain
Resident Inspector
Post Office Box 1051
St. Francisville, Louisiana 70775

Gretchen R. Rothschild
Louisianians for Safe Energy, Inc.
1659 Glenmore Avenue
Baton Rouge, Louisiana 70775

James W. Pierce, Jr., Esq.
P. O. Box 23571
Baton Rouge, Louisiana 70893

Ms. Linda B. Watkins/Mr. Steven Irving
Attorney at Law
355 Napoleon Street
Baton Rouge, Louisiana 70802

Mr. David Zaloudek
Nuclear Energy Division
Louisiana Department of
Environmental Quality
Post Office Box 14690
Baton Rouge, Louisiana 70898

Mr. J. David McNeill, III
William G. Davis, Esq.
Department of Justice
Attorney General's Office
7434 Perkins Road
Baton Rouge, Louisiana 70808

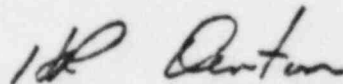
CERTIFICATE
RIVER BEND STATION UNIT 1
POLLUTION CONTROL FACILITIES

The Nuclear Regulatory Commission hereby certifies as follows:

- (a) that it has examined exhibits, attached hereto, which describe certain facilities which have been constructed, which are under construction, or which are to be constructed at the River Bend Station Unit 1, a nuclear electric generating plant located 25 miles north of Baton Rouge, Louisiana, near the Mississippi River; and

- (b) that such facilities, as designed, are in furtherance of the purpose of abating or controlling atmospheric pollutants or contaminants or water pollutants resulting from the generation of electricity at the River Bend Station Unit 1.

For the Nuclear Regulatory Commission



Harold R. Denton, Director
Office of Nuclear Reactor Regulation

Date: DEC 12 1984

1. Radioactive Liquid Waste (Liquid Radwaste) System

The Liquid Radwaste System collects, monitors, and processes for reuse or disposal all potentially radioactive liquid wastes generated within the plant. The liquid waste includes all equipment drains, floor drains, chemical wastes, and sludges. The Liquid Radwaste System processes this liquid waste to provide condensate quality water for reuse within the plant.

The basic function of the radwaste system is performed by filters and demineralizers. This equipment removes suspended and dissolved solids from the liquid input to the system. In addition, tanks, pumps, valves, instrumentation, and other equipment are used to functionally support the operation of the system. Radioactive solids collected in this system are transferred to solid radwaste for further processing.

2. Radioactive Solid Waste (Solid Radwaste) System

The Solid Radwaste System prepares for shipment and disposal radioactive solid wastes generated within the plant. Waste pumped from the liquid radwaste system is collected in the waste sludge tank prior to solidification or dewatering. The dewatered and solidified waste can be shipped in containers to a disposal site.

In addition, dry active waste (DAW) is collected and compacted in this system. DAW includes contaminated paper, rags, clothing, tools, etc. which must be disposed of as solid radwaste. This waste is compacted in containers for shipment and disposal.

3. Radwaste Building

The Radwaste Building is a reinforced concrete, seismically analyzed structure. Its purpose is to house the Liquid Radwaste System and the Solid Radwaste System: no other River Bend Station equipment is located in the Building and therefore all of the Radwaste Building is considered to be functionally related and subordinate to the Liquid Radwaste System and the Solid Radwaste System.

4. Radioactive Gaseous Waste (Offgas) System

The radioactive Gaseous Waste System uses a low temperature gas treatment system to remove radioactive noble gases, radioactive iodine and other biologically significant radionuclides from the condenser air ejector offgas prior to release to the atmosphere. A mixture of steam and radioactive gases enters the system and the steam and moisture are removed from the offgas by use of the recombiner, cooler-condenser and desiccant dryer. Charcoal beds using activated charcoal retain radioactive noble gases and other

5. Condensate Demineralizer and Offgas Building

The Radioactive Gaseous Waste (Offgas) System is located in a structure attached to the Turbine Building called the Condensate Demineralizer and Offgas Building. Only those portions of the building which are used to house offgas equipment and are therefore functionally related and subordinate to the offgas system are included as part of the facility.

6. Monitoring Equipment

A Digital Radiological Monitoring System (DRMS) measures, indicates, and records the levels of radiation and radioactivity associated with the gaseous and liquid effluent flow from the plant. The DRMS also activates alarms and initiates appropriate control action when predetermined radioactivity levels are in danger of being exceeded. Only that portion of the DRMS that monitors effluents being discharged to the environment is included as part of the facility.

7. Plant Exhaust Air Filtering Systems

Air filtering systems in the Turbine Building and Containment Building are incorporated into the ventilation systems to filter exhaust air and reduce radioactivity releases from plant air exhausts. The filters consist of a demister, heating element, high efficiency particulate air filters and a charcoal filter. In addition, each filter is provided with a decay heat removal fan and associated controls and radiation monitoring equipment.

8. Spent Fuel Storage Facility

The spent fuel storage facility consists of that portion of the fuel handling system used for spent fuel storage; the spent fuel pool, storage racks, and spent fuel pool cooling and clean-up equipment; and equipment used to transfer spent fuel to shipping casks and equipment used to handle the shipping casks. In addition, that portion of the Fuel Building which is used to house the spent fuel handling and storage equipment is included as part of the facility.