



**GULF STATES UTILITIES COMPANY**

RIVER BEND STATION    POST OFFICE BOX 220    ST. FRANCISVILLE, LOUISIANA 70775

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U.S. Nuclear Regulatory Commission  
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Gentlemen:

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

Enclosed is the River Bend Station Annual Operating Report for 1991. This report is submitted in accordance with Technical Specifications 6.9.1.4 and 6.9.1.5 of Appendix A to River Bend Station (RBS) License Number NPF-47.

Sincerely,

W.H. Odell  
Manager - Oversight  
River bend Nuclear Group

  
CAE/LLD/BMB/kvm

Enclosure

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GULF STATES UTILITIES  
RIVER BEND STATION  
ANNUAL OPERATIONS REPORT  
FOR  
1991

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## ANNUAL OPERATING REPORT

### 1.0 INTRODUCTION

This River Bend Station Annual Operating Report for 1991 is submitted in accordance with applicable reporting requirements of Technical Specifications 6.9.1.4 and 6.9.1.5, of Appendix A to River Bend Station (RBS) License Number NPF-47. This routine operating report covering operation of the unit during the previous calendar year also complies with applicable sections of USNRC Regulatory Guide 1.16, "Reporting of Operating Information - Appendix A Technical Specifications".

## 2.0 OCCUPATIONAL RADIATION SUMMARY REPORT

Enclosed in this section is a report on Occupations Radiation Exposure for River Bend Station personnel for the year 1991 as required by 10CFR20.407, Regulatory Guide 1.16, and Technical Specification section 6.9.1.5a of Appendix A to River Bend Station Operating License Number NPF-47.

The enclosed table is developed from pocket dosimeter data. The River Bend Station TLD total for 1991 is 127 man-rem.

1991 USNRC ANNUAL  
REG GUIDE 1-16 REPORT  
GULF STATES UTILITIES - NRC LICENSE

P. O. Box 220  
St. Francisville, LA 70775

WORK & JOB FUNCTION	NUMBER OF PERSONNEL (>100.0 MREM)			TOTAL MAN-REM		
	STATION EMPLOYEES	UTILITY EMPLOYEES	CONTRACT WORKERS & OTHERS	STATION EMPLOYEES	UTILITY EMPLOYEES	CONTRACT WORKERS & OTHERS
<b>REACTOR OPERATIONS &amp; SURVEILLANCE</b>						
MAINTENANCE PERSONNEL	5.6	0.3	2.1	2.361	0.035	0.710
OPERATING PERSONNEL	24.8	0.0	1.1	14.734	0.000	0.140
HEALTH PHYSICS PERSONNEL	20.2	0.0	7.6	12.385	0.000	3.359
SUPERVISORY PERSONNEL	0.0	0.0	0.0	0.000	0.000	0.000
ENGINEERING PERSONNEL	0.7	0.8	4.3	0.150	0.160	1.454
<b>ROUTINE MAINTENANCE</b>						
MAINTENANCE PERSONNEL	6.9	6.0	7.4	2.565	0.000	1.813
OPERATING PERSONNEL	2.2	0.0	0.0	0.840	0.000	0.000
HEALTH PHYSICS PERSONNEL	0.9	0.0	0.2	0.600	0.000	0.100
SUPERVISORY PERSONNEL	0.0	0.0	0.0	0.000	0.000	0.000
ENGINEERING PERSONNEL	1.2	1.2	0.9	0.250	0.235	0.110
<b>INSERVICE INSPECTION</b>						
MAINTENANCE PERSONNEL	2.2	0.7	0.7	0.915	0.070	0.115
OPERATING PERSONNEL	0.6	0.0	0.0	0.205	0.000	0.000
HEALTH PHYSICS PERSONNEL	1.0	0.0	1.0	0.235	0.000	0.450
SUPERVISORY PERSONNEL	0.0	0.0	0.0	0.000	0.000	0.000
ENGINEERING PERSONNEL	0.8	0.5	3.6	0.195	0.130	1.830
<b>SPECIAL MAINTENANCE</b>						
MAINTENANCE PERSONNEL	62.1	0.0	46.9	34.182	0.000	32.880
OPERATING PERSONNEL	5.5	0.0	1.3	2.327	0.000	0.460
HEALTH PHYSICS PERSONNEL	9.9	0.0	5.0	6.758	0.000	2.217
SUPERVISORY PERSONNEL	0.0	0.0	0.0	0.000	0.000	0.000
ENGINEERING PERSONNEL	7.3	3.5	3.2	1.577	0.914	0.660
<b>WASTE PROCESSING</b>						
MAINTENANCE PERSONNEL	0.1	0.0	1.8	0.025	0.000	0.805
OPERATING PERSONNEL	0.9	0.0	5.6	0.225	0.000	3.165
HEALTH PHYSICS PERSONNEL	0.9	0.0	0.2	0.672	0.000	0.105
SUPERVISORY PERSONNEL	0.0	0.0	0.0	0.000	0.000	0.000
ENGINEERING PERSONNEL	0.0	0.0	0.0	0.000	0.000	0.000
<b>REFUELING</b>						
MAINTENANCE PERSONNEL	0.1	0.0	0.1	0.010	0.000	0.015
OPERATING PERSONNEL	0.0	0.0	0.0	0.000	0.000	0.000
HEALTH PHYSICS PERSONNEL	9.1	0.0	0.0	0.020	0.000	0.000
SUPERVISORY PERSONNEL	0.0	0.0	0.0	0.000	0.000	0.000
ENGINEERING PERSONNEL	0.0	0.0	0.0	0.000	0.000	0.000
<b>TOTALS*</b>						
MAINTENANCE PERSONNEL	77	1	59	40.058	0.105	36.338
OPERATING PERSONNEL	34	0	8	18.331	0.000	3.765
HEALTH PHYSICS PERSONNEL	33	0	14	20.670	0.000	6.231
SUPERVISORY PERSONNEL	0	0	0	0.000	0.000	0.000
ENGINEERING PERSONNEL	10	6	12	2.172	1.439	4.054
<b>GRAND TOTALS</b>	<b>154</b>	<b>7</b>	<b>93</b>	<b>81.231</b>	<b>1.544</b>	<b>50.388</b>

\*FIGURES REPRESENT THE ACTUAL NUMBER OF PERSONNEL EXPOSED.

*E. M. Cargill*  
E. M. CARGILL DIRECTOR - RADIOLOGICAL PROGRAMS

### 3.0 SAFETY RELIEF VALVE HISTORY

The operating and spare safety/relief valves did not actuate during 1991. No scrams occurred during 1991. STP-202-0602, "ADS RELIEF VALVE OPERABILITY TEST", was not performed in 1991. Therefore, no actuation events are submitted. Also, the 16 installed safety/relief valves were not removed from service during 1991. Therefore, no 1991 maintenance activity of the presently installed safety/relief valves is submitted.

Operating safety/relief valve tail pipe temperatures have not increased significantly during 1991. Approximately 10 out of 16 safety/relief valve tail pipe temperatures are between 200 degrees to 235 degrees Fahrenheit indicating some leakage.

4.0            REACTOR COOLANT SYSTEM SPECIFIC ACTIVITY ANALYSIS

During the year of 1991, analysis of the specific activity of the primary coolant indicated that the Limited Condition of operation of Specification 3.4.5, "Specific Activity" of the River Bend Technical Specification was never exceeded.

As delineated by Technical Specification section 6.9.1.5.c of Appendix A to River Bend License Number NPF-47, no additional information is required or enclosed.