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March 30, 2001

U.S. Nuclear Regulatory Commission
ATTN.: Document Control Desk
Washington, DC 20555-0001

Subject: River Bend Station's Annual Occupational Radiation Exposure Report - 2000
River Bend Station - Unit I
License No. NPF-47
Docket No. 50-458

File Nos.: G9.5, G9.25.1.5

RBG-45699
RBF1-01-0069

Gentlemen:

Pursuant to Technical Specifications 5.6.1, attached is the River Bend Station Occupational Radiation Exposure Report covering plant activities performed during 2000. This report consists of a tabulation of occupational radiation exposure for personnel receiving exposures greater than 100 mrem per year, in addition to their associated man-rem exposure according to work and job functions. This tabulation supplements the requirements of 10 CFR 20.2206 and is based on direct reading dosimeters.

Should you have any questions or require additional information, please contact Mr. Arlie D. Wells at (225) 381-4476.

Sincerely,

A handwritten signature in cursive script, appearing to read "R. J. King".

R. J. King

RJK/DLM

Attachment

IE56

River Bend Station's Annual Occupational Radiation Exposure Report - 2000
March 30, 2001
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cc: U.S. Nuclear Regulatory Commission
Region IV
611 Ryan Plaza Drive, Suite 400
Arlington, TX 76011

NRC Resident Inspector
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Mr. Bob Moody, Project Manager
U.S. Nuclear Regulatory Commission
M/S O-7D1
Washington, DC 20555

REIRS Project Manager
U.S. Nuclear Regulatory Commission
Office of Nuclear Regulatory Research
Washington, D.C. 20555-0001

Work and Job Function	Number of Personnel > 100 mrem			Total Man-Rem*		
	Station	Utility	Contractor	Station	Utility	Contractor
REACTOR OPERATIONS AND SURVEILLANCE						
MAINTENANCE PERSONNEL	4.970	0.393	1.268	1.605	0.081	0.440
OPERATING PERSONNEL	43.543	1.993	0.145	12.126	0.279	0.019
HEALTH PHYSICS PERSONNEL	12.450	9.133	9.757	4.683	2.811	2.713
SUPERVISORY PERSONNEL	3.168	0.000	4.393	0.665	0.000	0.755
ENGINEERING PERSONNEL	4.517	0.008	0.308	0.904	0.001	0.135
ROUTINE MAINTENANCE						
MAINTENANCE PERSONNEL	31.437	10.177	82.540	8.475	2.156	24.104
OPERATING PERSONNEL	0.247	0.000	0.511	0.080	0.000	0.067
HEALTH PHYSICS PERSONNEL	0.608	0.129	14.620	0.204	0.027	3.668
SUPERVISORY PERSONNEL	2.263	0.016	0.059	0.917	0.004	0.008
ENGINEERING PERSONNEL	1.104	0.000	0.129	0.172	0.000	0.066
INSERVICE INSPECTION						
MAINTENANCE PERSONNEL	0.037	0.000	18.490	0.004	0.000	5.833
OPERATING PERSONNEL	0.573	0.000	0.000	0.149	0.000	0.000
HEALTH PHYSICS PERSONNEL	0.320	0.000	0.068	0.102	0.000	0.032
SUPERVISORY PERSONNEL	1.967	0.984	1.915	0.477	0.248	0.431
ENGINEERING PERSONNEL	5.136	1.992	7.895	0.865	0.293	1.423
SPECIAL MAINTENANCE						
MAINTENANCE PERSONNEL	30.519	14.304	89.776	10.820	3.638	40.201
OPERATING PERSONNEL	5.116	0.007	0.344	1.339	0.001	0.045
HEALTH PHYSICS PERSONNEL	10.055	2.031	6.617	5.875	1.093	2.352
SUPERVISORY PERSONNEL	3.265	0.000	0.685	0.887	0.000	0.197
ENGINEERING PERSONNEL	8.578	0.000	8.425	2.220	0.000	1.827
WASTE PROCESSING						
MAINTENANCE PERSONNEL	0.169	0.000	2.709	0.082	0.000	1.280
OPERATING PERSONNEL	0.000	0.000	0.000	0.000	0.000	0.000
HEALTH PHYSICS PERSONNEL	4.271	0.000	1.214	2.411	0.000	0.474
SUPERVISORY PERSONNEL	0.739	0.000	0.000	0.082	0.000	0.000
ENGINEERING PERSONNEL	0.050	0.000	0.000	0.012	0.000	0.000
REFUELING						
MAINTENANCE PERSONNEL	2.058	1.126	34.206	0.571	0.224	10.455
OPERATING PERSONNEL	4.577	1.000	7.000	1.134	0.215	1.195
HEALTH PHYSICS PERSONNEL	1.893	3.708	10.153	1.282	0.836	2.230
SUPERVISORY PERSONNEL	9.598	0.000	2.947	2.715	0.000	0.500
ENGINEERING PERSONNEL	12.615	6.000	7.243	3.509	1.214	3.425
TOTALS						
MAINTENANCE PERSONNEL	69	26	229	21.557	6.099	82.313
OPERATING PERSONNEL	54	3	8	14.828	0.495	1.326
HEALTH PHYSICS PERSONNEL	30	15	42	14.557	4.767	11.469
SUPERVISORY PERSONNEL	21	1	10	5.743	0.252	1.891
ENGINEERING PERSONNEL	32	8	24	7.682	1.508	6.876
GRAND TOTALS	206	53	313	64.367	13.121	103.875

* The man-rem totals include dose only from individuals receiving more than 100 mrem throughout the year at RBS.