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March 31, 2000

U.S. Nuclear Regulatory Commission
Document Control Desk, OP1-37
Washington, DC 20555-0001

Subject: River Bend Station's Annual Occupational Radiation Exposure Report - 1999
River Bend Station - Unit I
License No. NPF-47
Docket No. 50-458

File Nos.: G9.5, G9.25.1.5

RBG-45294
RBF1-00-0064

Gentlemen:

Pursuant to Technical Specifications 5.6.1, attached is the River Bend Station Occupational Radiation Exposure Report covering plant activities performed during 1999. 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. David Lorring of my staff at (225) 381-4157.

Sincerely,

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

R. J. King

RJK/DLM

Attachment

IESL

River Bend Station's Annual Occupational Radiation Exposure Report - 1999
March 31, 2000
RBG-45294
RBF1-00-0064
Page 2 of 2

cc: U.S. Nuclear Regulatory Commission
Region IV
611 Ryan Plaza Drive, Suite 400
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NRC Resident Inspector
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Mr. David H. Jaffe, Acting Project Manager
U.S. Nuclear Regulatory Commission
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U.S. Nuclear Regulatory Commission
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Washington, D.C. 20555-0001

River Bend Station
P.O. Box 220
St. Francisville, LA 70775

Date: 28-MAR-2000 05:04

LICENSE: NPF-47

Regulatory Guide 1.16 Information
End of Year Report 1999

Work and Job Function	Number of Personnel > 100 mrem			Total man-rem *		
	Station	Utility	Contractor	Station	Utility	Contractor
REACTOR OPERATIONS AND SURVEILLANCE						
MAINTENANCE PERSONNEL	1.959	0.226	3.288	0.659	0.048	1.029
OPERATING PERSONNEL	46.250	0.275	0.000	15.662	0.045	0.000
HEALTH PHYSICS PERSONNEL	15.618	11.672	12.121	8.067	3.921	6.015
SUPERVISORY PERSONNEL	1.247	0.000	2.754	0.274	0.000	0.362
ENGINEERING PERSONNEL	5.625	0.000	0.687	1.316	0.000	0.142
ROUTINE MAINTENANCE						
MAINTENANCE PERSONNEL	17.133	4.949	56.829	9.816	1.615	23.889
OPERATING PERSONNEL	1.194	0.345	0.000	0.454	0.058	0.000
HEALTH PHYSICS PERSONNEL	1.320	0.612	1.622	0.870	0.292	0.926
SUPERVISORY PERSONNEL	1.229	0.000	0.251	0.485	0.000	0.071
ENGINEERING PERSONNEL	1.681	0.003	1.020	0.287	0.001	0.229
INSERVICE INSPECTION						
MAINTENANCE PERSONNEL	6.195	1.027	24.591	3.699	0.347	8.309
OPERATING PERSONNEL	4.564	1.347	0.000	2.146	0.264	0.000
HEALTH PHYSICS PERSONNEL	0.491	0.089	0.139	0.559	0.035	0.102
SUPERVISORY PERSONNEL	0.901	0.000	0.278	0.134	0.000	0.188
ENGINEERING PERSONNEL	7.819	4.256	16.640	2.486	1.447	5.623
SPECIAL MAINTENANCE						
MAINTENANCE PERSONNEL	53.033	34.344	226.512	28.726	11.435	97.969
OPERATING PERSONNEL	3.236	0.034	0.000	0.797	0.009	0.000
HEALTH PHYSICS PERSONNEL	5.089	2.623	9.906	5.431	1.002	4.794
SUPERVISORY PERSONNEL	2.599	0.000	0.648	0.669	0.000	0.438
ENGINEERING PERSONNEL	10.747	0.717	21.019	3.049	0.126	6.939
WASTE PROCESSING						
MAINTENANCE PERSONNEL	0.010	0.000	1.328	0.008	0.000	1.115
OPERATING PERSONNEL	0.038	0.000	0.000	0.011	0.000	0.000
HEALTH PHYSICS PERSONNEL	3.425	0.000	0.019	2.783	0.000	0.011
SUPERVISORY PERSONNEL	0.069	0.000	0.000	0.034	0.000	0.000
ENGINEERING PERSONNEL	0.000	0.000	0.000	0.000	0.000	0.000
REFUELING						
MAINTENANCE PERSONNEL	5.670	8.455	34.453	3.064	1.824	9.781
OPERATING PERSONNEL	9.724	1.000	0.000	2.570	0.107	0.000
HEALTH PHYSICS PERSONNEL	3.057	4.005	5.194	1.903	0.829	1.537
SUPERVISORY PERSONNEL	13.955	0.000	0.069	4.305	0.000	0.011
ENGINEERING PERSONNEL	18.128	6.025	14.634	6.448	1.887	4.989
Totals						
MAINTENANCE PERSONNEL	84.000	49.000	347.000	45.972	15.269	142.092
OPERATING PERSONNEL	65.007	3.000	0.000	21.640	0.483	0.000
HEALTH PHYSICS PERSONNEL	29.000	19.000	29.000	19.613	6.079	13.385
SUPERVISORY PERSONNEL	20.000	0.000	4.000	5.901	0.000	1.070
ENGINEERING PERSONNEL	44.000	11.000	54.000	13.586	3.461	17.922
Grand Totals	242.007	82.000	434.000	106.712	25.292	174.469

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