



South Texas Project Electric Generating Station P.O. Box 289 Wadsworth, Texas 77483

February 24, 2000
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File No. G02

U. S. Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, DC 20555

South Texas Project
Units 1 & 2
Docket Nos. STN 50-498 & 50-499
Annual Reports Required by Technical Specification 6.9.1.2

Attached are the Annual Reports required by the South Texas Project Technical Specification 6.9.1.2. Attachment 1 is the Annual Personnel Exposure Report required by Technical Specification 6.9.1.2.a. Attachment 2 is the annual report required by Technical Specification 6.9.1.2.b of the results of specific activity analyses for any primary coolant samples exceeding Technical Specification 3.4.8 limits.

If you have any questions on this matter, please contact Mr. S. M. Head at (361) 972-7136 or me at (361) 972-7566.

G.T. Powell
Manager,
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PLA/

- Attachments: 1) Annual Personnel Exposure Report
2) A Report of Results of Specific Activity Analyses for any Primary Coolant Samples Exceeding the Technical Specification 3.4.8 Limits

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ANNUAL PERSONNEL EXPOSURE REPORT

Technical Specification 6.9.1.2.a requires a tabulation on an annual basis of the number of station, utility, and other personnel (including contractors) receiving exposures greater than 100 mrem/yr according to work and job functions. This data is based on self-reading dosimetry results and is presented on page two of this attachment. Specific tasks included in the Special Maintenance work and job function are listed on page three.

Licensee : STP NUCLEAR OPERATING COMPANY

Address : Post Office Box 289

Wadsworth, Texas 77483

NRC License Number (s) : NPF - 76; NPF - 80

APPENDIX A

REPORTING YEAR 1999

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STANDARD FORMAT FOR REPORTING NUMBER OF PERSONNEL AND MAN-REM BY WORK AND JOB FUNCTION

WORK & JOB	NUMBER OF PERSONNEL (> 100 MREM)			TOTAL MAN-REM (ALL PERSONNEL)		
	STATION EMPLOYEES	UTILITY EMPLOYEES	CONTRACTORS AND OTHERS	STATION EMPLOYEES	UTILITY EMPLOYEES	CONTRACTORS AND OTHERS
REACTOR OPS & SURVEILANCE						
OPERATIONS	24	0	0	6.472	0.000	0.000
MAINTENANCE	0	0	0	0.550	0.000	0.066
ENGINEERING	2	0	0	0.837	0.000	0.024
GEN. SUPPORT	27	0	30	8.836	0.000	12.038
NUCLEAR A&L	1	0	0	0.324	0.000	0.035
OTHER	0	0	5	0.387	0.000	1.774
ROUTINE MAINTENANCE						
OPERATIONS	0	0	0	0.014	0.000	0.000
MAINTENANCE	29	0	7	9.174	0.000	2.153
ENGINEERING	0	0	0	0.082	0.000	0.090
GEN. SUPPORT	1	0	71	0.336	0.000	28.285
NUCLEAR A&L	0	0	0	0.011	0.000	0.021
OTHER	0	0	15	0.338	0.000	5.792
IN-SERVICE INSPECTION						
OPERATIONS	0	0	0	0.089	0.000	0.000
MAINTENANCE	11	0	3	3.113	0.000	1.446
ENGINEERING	12	0	8	2.633	0.000	2.154
GEN. SUPPORT	0	0	7	0.077	0.000	2.869
NUCLEAR A&L	1	0	0	0.139	0.000	0.001
OTHER	3	0	0	0.998	0.000	0.113
SPECIAL MAINTENANCE						
OPERATIONS	1	0	0	0.176	0.000	0.000
MAINTENANCE	19	0	12	7.597	0.000	3.767
ENGINEERING	5	0	3	1.601	0.000	0.434
GEN. SUPPORT	4	0	178	2.107	0.000	88.621
NUCLEAR A&L	1	0	1	0.232	0.000	0.251
OTHER	2	0	81	0.618	0.000	19.866
WASTE PROCESSING						
OPERATIONS	0	0	0	0.382	0.000	0.000
MAINTENANCE	0	0	0	0.023	0.000	0.032
ENGINEERING	0	0	0	0.000	0.000	0.000
GEN. SUPPORT	1	0	34	1.558	0.000	10.588
NUCLEAR A&L	0	0	0	0.000	0.000	0.000
OTHER	1	0	0	0.098	0.000	0.160
REFUELING						
OPERATIONS	1	0	0	0.655	0.000	0.000
MAINTENANCE	33	0	7	13.139	0.000	2.065
ENGINEERING	3	0	1	0.864	0.000	0.077
GEN. SUPPORT	3	0	41	1.637	0.000	13.830
NUCLEAR A&L	0	0	1	0.244	0.000	0.300
OTHER	1	0	6	0.741	0.000	2.089
TOTAL WORK & JOB FUNCTION						
OPERATIONS	26	0	0	7.788	0.000	0.000
MAINTENANCE	92	0	29	33.596	0.000	9.529
ENGINEERING	22	0	12	6.017	0.000	2.779
GEN. SUPPORT	36	0	361	14.551	0.000	156.231
NUCLEAR A&L	3	0	2	0.950	0.000	0.608
OTHER	7	0	107	3.180	0.000	29.794
GRAND TOTAL	186	0	511	66.082	0.000	198.941

1999 Annual Personnel Exposure Report Technical Specification 6.9.1.2

Additional Information

1. The South Texas Project includes two 1250 MW_e Westinghouse four-loop pressurized water reactors.
2. During 1999, Unit 1 completed its eighth refueling outage, 1RE08, and Unit 2 completed its seventh refueling outage, 2RE07. Both of these outages were Ten Year Inservice Inspection (ISI) outages.
3. Outage 1RE08 was completed in 32 days with a total dose of 95 rem. The following are major activities that occurred during this outage.
 - a) Primary inspections on all Unit 1 steam generators (100% eddy current) with 166 tubes plugged, eight tubes in situ pressure tested, and video inspection of plugs.
 - b) Reactor vessel inspection for ten year ISI involving removal and reinstallation of the core barrel.
 - c) Mechanical modifications on reactor coolant pump 1B and seal replacements on reactor coolant pump 1C.
 - d) Funnel welding under the reactor vessel head.
 - e) Preparations for steam generator replacement including secondary shield wall cutting, feedwater piping supports, and temporary column supports.
 - f) Reactor head shroud modifications.
4. Outage 2RE07 was completed in 28 days with a total dose of 130 rem. The following are major activities that occurred during this outage.
 - a) Primary inspections on all Unit 2 steam generators (100% eddy current) with 187 tubes plugged and video inspection of plugs.
 - b) Sludge lancing and secondary side inspections on all Unit 2 steam generators.
 - c) Reactor vessel inspection for ten year ISI involving removal and reinstallation of the core barrel.
 - d) Mechanical modifications on reactor coolant pump 2B and seal replacements on reactor coolant pumps 2C and 2D.
 - e) Funnel welding under the reactor vessel head.
 - f) Preparations for steam generator replacement including engineering walkdowns and secondary shield wall commodities modifications.
 - g) Reactor head shroud modifications.
5. During 1RE08, the highest exposed individual received 0.98 rem. During 2RE07, the highest exposed individual received 1.2 rem with three total individuals exceeding 1 rem.

Primary Coolant Specific Activity Report

Technical Specification 6.9.1.2.b requires the results of the specific activity analyses in which the primary coolant exceeded the limits of Technical Specification 3.4.8 to be reported on an annual basis.

Unit 1 and Unit 2 have not exceeded the limits of Technical Specification 3.4.8 for the calendar year of 1999.