



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

February 13, 2002  
NOC-AE-02001263

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,  
Health Physics

RDP/

- Attachments: 1) 2001 Annual Personnel Exposure Report  
2) Primary Coolant Specific Activity Report For Samples Exceeding Technical Specification Limits

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U. S. Nuclear Regulatory Commission  
Attention: Document Control Desk  
Washington, D.C. 20555-0001

**2001 Annual Personnel Exposure Report**  
(Technical Specification 6.9.1.2.a)

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.

## Plant Radiation Exposure Planning And Reporting Database

Licensee : STP NUCLEAR OPERATING COMPANY

Address : Post Office Box 289

Wadsworth, Texas 77483

## APPENDIX A

REPORTING YEAR 2001

Page 1 OF 1

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

## 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
<b>REACTOR OPS &amp; SURVEILLANCE</b>						
OPERATIONS	22	0	0	6.181	0.000	0.000
MAINTENANCE	1	0	0	0.385	0.000	0.028
ENGINEERING	3	0	0	1.361	0.000	0.078
GEN. SUPPORT	18	0	13	6.493	0.000	5.469
NUCLEAR A&L	0	0	0	0.135	0.000	0.065
PROJECTS	1	0	3	0.216	0.000	0.928
OTHER	0	0	0	0.379	0.000	0.056
<b>ROUTINE MAINTENANCE</b>						
OPERATIONS	0	0	0	0.029	0.000	0.000
MAINTENANCE	34	0	20	11.750	0.000	5.673
ENGINEERING	1	0	1	0.236	0.000	0.102
GEN. SUPPORT	0	0	0	0.713	0.000	0.544
NUCLEAR A&L	0	0	0	0.047	0.000	0.033
PROJECTS	1	0	81	0.158	0.000	22.822
OTHER	2	0	0	0.341	0.000	0.002
<b>IN-SERVICE INSPECTION</b>						
OPERATIONS	0	0	0	0.053	0.000	0.000
MAINTENANCE	8	0	14	1.647	0.000	4.258
ENGINEERING	7	0	2	1.998	0.000	0.481
GEN. SUPPORT	0	0	0	0.122	0.000	0.234
NUCLEAR A&L	0	0	1	0.134	0.000	0.165
PROJECTS	3	0	0	0.639	0.000	1.087
OTHER	1	0	0	0.157	0.000	0.000
<b>SPECIAL MAINTENANCE</b>						
OPERATIONS	0	0	0	0.000	0.000	0.000
MAINTENANCE	2	0	4	2.038	0.000	1.604
ENGINEERING	2	0	0	0.476	0.000	0.067
GEN. SUPPORT	12	0	39	4.469	0.000	14.780
NUCLEAR A&L	3	0	0	0.515	0.000	0.037
PROJECTS	1	0	197	0.297	0.000	86.148
OTHER	1	0	0	0.359	0.000	0.041
<b>WASTE PROCESSING</b>						
OPERATIONS	0	0	0	0.559	0.000	0.000
MAINTENANCE	1	0	0	0.148	0.000	0.000
ENGINEERING	0	0	0	0.000	0.000	0.000
GEN. SUPPORT	4	0	11	1.562	0.000	5.807
NUCLEAR A&L	0	0	0	0.006	0.000	0.000
PROJECTS	0	0	0	0.035	0.000	0.083
OTHER	0	0	0	0.018	0.000	0.008
<b>REFUELING</b>						
OPERATIONS	0	0	0	0.005	0.000	0.000
MAINTENANCE	23	0	0	7.306	0.000	0.054
ENGINEERING	2	0	0	0.596	0.000	0.010
GEN. SUPPORT	4	0	6	1.637	0.000	1.467
NUCLEAR A&L	1	0	2	0.219	0.000	0.369
PROJECTS	0	0	48	0.013	0.000	14.407
OTHER	4	0	0	0.958	0.000	0.000
<b>TOTAL WORK &amp; JOB FUNCTION</b>						
OPERATIONS	22	0	0	6.827	0.000	0.000
MAINTENANCE	69	0	38	23.274	0.000	11.617
ENGINEERING	15	0	3	4.667	0.000	0.738
GEN. SUPPORT	38	0	69	14.996	0.000	28.301
NUCLEAR A&L	4	0	3	1.056	0.000	0.669
PROJECTS	6	0	329	1.358	0.000	125.475
OTHER	8	0	0	2.212	0.000	0.107
<b>GRAND TOTAL</b>	<b>162</b>	<b>0</b>	<b>442</b>	<b>54.390</b>	<b>0.000</b>	<b>166.907</b>

**2001 Annual Personnel Exposure Report**  
(Technical Specification 6.9.1.2.a)

**Additional Information**

1. The South Texas Project includes two 1250 MWe Westinghouse four-loop pressurized water reactors.
2. During 2001, Unit 1 completed its tenth refueling outage, 1RE10. Outage 1RE10 involved refueling and baseline eddy current testing of four steam generators.
3. Outage 1RE10 was completed in 21.6 days with a total dose of 90 rem. The following are major activities that occurred during this outage.
  - a) Steam Generator Testing and Maintenance Activities (40.7 rem)
  - b) Refueling Maintenance Activities (10.2 rem)
  - c) Reactor Coolant Pump Maintenance and Modifications (8.7 rem)
  - d) Plant Projects\* (6.8 rem)
4. During 2001, Unit 2 completed its eighth refueling outage, 2RE08. Outage 2RE08 involved refueling, maintenance of four steam generators, and preparations for steam generator replacement.
5. Outage 2RE08 was completed in 26.9 days with a total dose of 118 rem. The following are major activities that occurred during this outage.
  - a) Steam Generator Maintenance Activities (44.3 rem)
  - b) Refueling Maintenance Activities (10.3 rem)
  - c) Reactor Coolant Pump Maintenance and Modifications (7.9 rem)
  - d) Plant Projects\* (6.5 rem)
  - e) Preparations for Unit 2 Steam Generator Replacement (17.1 rem)
6. For 2001, eleven individuals exceeded one rem deep dose equivalent with the highest exposed individual receiving 1.576 rem by electronic dosimeter records. All eleven individuals worked both refueling outages.

\* Plant Projects includes motor operated valve testing, snubbers, in-service weld inspections, non-intrusive check valves, local leak rate tests, and jib crane modifications.

**Primary Coolant Specific Activity Report  
For Samples Exceeding Technical Specification Limits**

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 2001.

**NRC CORRESPONDENCE SIGNOFF SHEET**

OPGP05-ZN-0006-01

(Page 1 of 1)

Correspondence Title: Annual Reports Required by Technical Specification 6.9.1.2

NOC-AE: 02001263 Review Due Date: 2/28/02

Condition Report No.: 01-5482

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The persons whose initials appear below have personally reviewed the enclosed materials with regards to their area of responsibility and have verified that it is accurate to the best of their knowledge and belief. Initialing below constitutes acceptance of attached assigned commitments.

Preparer	<u>RDP</u>	Date <u>2/11/02</u>	Reviewer <u>L Earls</u>	Date <u>2/13/02</u>
VP Generation		Date _____	Reviewer _____	Date _____
VP Business Services		Date _____	Reviewer _____	Date _____
VP Engineering & Technical Services		Date _____	Reviewer _____	Date _____
Plant General Manager		Date _____	Reviewer _____	Date _____
Director, Quality & Licensing		Date _____	Reviewer _____	Date _____
Manager, Licensing	<u>swl</u>	Date <u>2/12/02</u>	Reviewer <u>swl</u>	Date <u>2/12/02</u>
Dept. Manager		Date _____	Reviewer <u>mks</u>	Date <u>2/11/02</u>
Dept. Manager	<u>RP</u>	Date <u>2/14/02</u>	Reviewer <u>RP</u>	Date <u>2/12/02</u>

Technical Contact: Leonard Earls/Dan Bryant Ext: 7759/7172

Licensing Contact: Robyn Dally Piggott Ext: 7438

**CALL LICENSING CONTACT WHEN READY FOR PICK-UP**