WOLF CREEK
NUCLEAR OPERATING CORPORATION

Clay C. Warren
Chief Operating Officer

February 26, 1998

WO 98-0020

U. S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Mail Station P1-137
Washington, D. C. 20555

Subject: Docket No. 50-482: 1997 Annual Operating Report for Wolf Creek Generating Station

Gentlemen:

The attached Annual Operating Report is being submitted pursuant to Wolf Creek Generating Station, Unit No. 1, Technical Specifications 6.9.1.4 and 6.9.1.5. This report covers operations for the period of January 1, 1997, through December 31, 1997. If you have any questions regarding this report, please contact me at (316) 364-8831, extension 4485, or Mr. Michael J. Angus at extension 4077.

Very truly yours,

B. McKinney for

Clay C. Warren

CCW/jad

Attachment

cc: D. N. Graves (NRC), w/a
W. D. Johnson (NRC), w/a
E. W. Merschoff (NRC), w/a
J. F. Ringwald (NRC), w/a
K. M. Thomas (NRC), w/a

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WOLF CREEK NUCLEAR OPERATING CORPORATION

WOLF CREEK GENERATING STATION

DOCKET NO: 50-482

FACILITY OPERATING LICENSE: NPF-42

ANNUAL OPERATING REPORT

REPORT NO. 13

Reporting Period: January 1, 1997 through December 31, 1997

INTRODUCTION

This Annual Operating Report is submitted in accordance with the requirements of Technical Specification 6.9.1.4 and contains the information required by Technical Specification 6.9.1.5.a, 6.9.1.5.b, and 6.9.1.5.c, and covers the period beginning on January 1, 1997, and ending on December 31, 1997.

EXPOSURE INFORMATION (Technical Specification 6.9.1.5.a)

NUMBER OF PERSONNEL AND MAN-REM BY WORK AND FUNCTION REPORT - 1997

WOLF CREEK NUCLEAR OPERATING CORPORATION - WCGS
PO BOX 411
BURLINGTON, KANSAS 66839

LICENSE: NPF-42

REGULATORY GUIDE 1.16 INFORMATION
INTERIM REPORT FOR: 970101 TO 971231

WORK AND JOB FUNCTION	PERSONNEL (> 100 mrem) STATION	UTILITY	CONTRACT	TOTAL MAN-REM STATION	UTILITY	CONTRACT
REACTOR OPERATIONS AND SURVEILLANCE						
MAINTENANCE AND CONSTRUCTION	1	0	4	0.821	0.000	1.855
OPERATIONS	26	0	0	9.782	0.238	0.121
HEALTH PHYSICS AND LAB	13	0	57	5.482	0.032	22.380
SUPERVISORY AND OFFICE STAFF	14	0	6	4.126	0.000	2.226
ENGINEERING STAFF	10	0	3	3.199	0.079	0.592
ROUTINE PLANT MAINTENANCE						
MAINTENANCE AND CONSTRUCTION	18	0	27	6.698	0.000	13.857
OPERATIONS	2	0	0	0.778	0.001	0.023
HEALTH PHYSICS AND LAB	1	0	1	0.834	0.014	0.399
SUPERVISORY AND OFFICE STAFF	6	0	0	2.495	0.002	0.377
ENGINEERING STAFF	0	0	2	0.754	0.185	0.906
INSERVICE INSPECTION						
MAINTENANCE AND CONSTRUCTION	14	0	54	5.586	0.000	18.942
OPERATIONS	0	0	3	0.358	0.002	0.758
HEALTH PHYSICS AND LAB	4	0	23	1.654	0.000	8.678
SUPERVISORY AND OFFICE STAFF	6	0	7	2.303	0.000	2.519
ENGINEERING STAFF	0	0	53	0.418	0.062	18.401
SPECIAL PLANT MAINTENANCE						
MAINTENANCE AND CONSTRUCTION	28	0	134	10.076	0.000	50.192
OPERATIONS	0	0	0	0.132	0.000	0.004
HEALTH PHYSICS AND LAB	6	0	5	2.632	0.000	1.977
SUPERVISORY AND OFFICE STAFF	6	0	7	3.174	0.000	2.070
ENGINEERING STAFF	1	1	34	0.859	0.222	11.133
WASTE PROCESSING						
MAINTENANCE AND CONSTRUCTION	4	0	0	1.298	0.000	0.281
OPERATIONS	1	0	2	0.437	0.000	0.602
HEALTH PHYSICS AND LAB	13	0	30	4.694	0.004	9.571
SUPERVISORY AND OFFICE STAFF	1	0	1	0.279	0.000	0.310
ENGINEERING STAFF	0	0	0	0.023	0.000	0.021
REFUELING						
MAINTENANCE AND CONSTRUCTION	9	0	26	2.883	0.000	8.746
OPERATIONS	3	0	0	0.560	0.000	0.000
HEALTH PHYSICS AND LAB	1	0	2	0.742	0.000	1.595
SUPERVISORY AND OFFICE STAFF	5	0	0	1.263	0.000	0.397
ENGINEERING STAFF	2	0	38	0.666	0.000	10.648
TOTALS						
MAINTENANCE AND CONSTRUCTION	74	0	245	27.362	0.000	93.873
OPERATIONS	34	0	5	12.047	0.241	1.507
HEALTH PHYSICS AND LAB	38	0	118	16.038	0.050	44.000
SUPERVISORY AND OFFICE STAFF	38	0	21	13.642	0.002	7.900
ENGINEERING STAFF	13	1	130	5.919	0.548	41.700
GRAND TOTALS	197	1	519	75.008	0.841	188.980

Number of personnel > 100 mrem based on PIC data
Total man-rem based on ratio of PIC data applied to TLD data
Actual total mRem = 264896 (numbers may vary due to rounding)

...GES TO THE PORVS AND SAFETY VALVES (Technical Specification
...9.1.5.b)

...ing 1997, there were no challenges to the Reactor Coolant System
...RVs or the Reactor Coolant System Safety Valves.

**...EACTOR COOLANT SYSTEM SPECIFIC ACTIVITY IN EXCESS OF TECHNICAL
...ECIFICATION 3.4.8 LIMITATION** (Technical Specification 6.9.1.c)

...Reactor Coolant System Specific Activity did not exceed the
...cal Specification 3.4.8 limitation of 160/E-bar during 1997.

...ctor coolant system specific activity did not exceed the
...Specification 4.4.8 limitation of 1 microCurie per gram Dose
...1-131 during 1997.

CHALLENGES TO THE PORVS AND SAFETY VALVES (Technical Specification 6.9.1.5.b)

During 1997, there were no challenges to the Reactor Coolant System PORVs or the Reactor Coolant System Safety Valves.

REACTOR COOLANT SYSTEM SPECIFIC ACTIVITY IN EXCESS OF TECHNICAL SPECIFICATION 3.4.8 LIMITATION (Technical Specification 6.9.1.5.c)

The Reactor Coolant System Specific Activity did not exceed the Technical Specification 3.4.8 limitation of 100/E-bar during 1997.

The reactor coolant system specific activity did not exceed the Technical Specification 4.4.8 limitation of 1 microCurie per gram Dose Equivalent I-131 during 1997.