



GE Nuclear Energy

General Electric Company
Vallecitos Nuclear Center
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U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Subject: Annual Report for 2000

Reference: License DPR-1, Docket 50-18

Gentlemen:

Enclosed are three signed copies of Annual Report No. 36 for the deactivated Vallecitos Boiling Water Reactor located at Vallecitos Nuclear Center in Sunol, California.

If there are any questions or additional information is required, please contact the undersigned at 925-862-4455.

Sincerely,

Chris Hamilton
Senior Licensing Engineer

Enclosures (3)

A020



GE Nuclear Energy

*Vallecitos Nuclear Center
General Electric Company
Sunol, California*

**VALLECITOS BOILING WATER REACTOR
(DEACTIVATED)**

**ANNUAL REPORT NO. 36
FOR THE YEAR 2000**

**LICENSE DPR-1
DOCKET 50-18**

MARCH 2001

**Vallecitos Boiling Water Reactor
(Deactivated)**

Annual Report No. 36

General Electric Company has maintained the Vallecitos Boiling Water Reactor (VWBR) in a deactivated status under the authority of Amendment No. 19 to License DPR-1, Docket 50-18. In this annual report, a summary of the status of the facility for the period of January 1, 2000 to December 31, 2000 is presented, as required by paragraph 5.d.2 of the license.

I. Summary

The facility remains in essentially the same condition described in Annual Report No. 34. Entry into the containment building was made for routine radiation surveys, a general examination of conditions throughout the building, and an asbestos removal project. The water level within the reactor vessel was monitored and remained essentially constant throughout the report period.

Radiation levels remain essentially unchanged.

II. Status of Facility

In accordance with written procedures, the Facility Manager controls access to the containment building and general systems. The facility continues to be in deactivated status. One change was made during the reporting period: asbestos-containing material was removed from the facility (see Section IV of this report).

III. Radiation and Contamination

Complete radiation and contamination surveys of the facility indicate that levels remain low. Results of the surveys are presented in Table 1. The radiation/contamination levels listed are representative but not necessarily maximum values.

IV. Activities

Routine inspections were conducted during this report period. An asbestos remediation project was completed. The project included removal of asbestos-containing material from the facility by a licensed contractor and proper disposal of the material removed. The work was performed

under the supervision of the Facility Manager.

V. Organization

There were no organization changes in 2000.

VI. Conclusion

The General Electric Company concludes that the deactivated VWBR is being maintained in a safe shutdown condition. The inspections, access control, and administratively controlled activities ensure maximum protection for the public health and safety. The procedures will be continued to maintain this high level of protection.

GENERAL ELECTRIC COMPANY
Vallecitos and Morris Operations



F.A. Arlt, Manager
Facilities Maintenance

Table 1
Radiation and Contamination

	Contamination Levels					
	Radiation Levels (mR/h Gamma)		Surface Smears Beta-Gamma* (cpm/ft ² x 10 ³)		Airborne Beta-Gamma† (μCi/cc x 10 ⁻¹⁰)	
	12/99	12/00	12/99	12/00	12/99	12/00
Reactor Enclosure, Main Floor						
General	<1.0	<1.0	1.1	0.1	0.021	0.006
Top of Spent Fuel Pit Cover	<1.0	<1.0	1.5	0.1	0.28	0.012
Reactor Basement						
Upper Level, Field	<1-1.2	1				
West Ladder, Bottom	10	3-12	8.0	0.3		
East Ladder, Bottom	1-2.5	<1-2	1.8	0.1	0.025	0.016
Between Recirculation Pumps (2 ft off deck)	9	3				

Note:

Radiation levels, surface smears, and air samples may vary from survey to survey as they are taken in general areas rather than at specific locations.

* For conversion to d/m, assume an instrument efficiency of 20%.

† 24-hour decayed values