



General Electric Company
Vallecitos Nuclear Center
6705 Vallecitos Road, Sunol, CA 94586

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U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

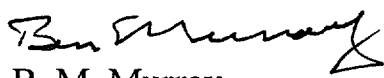
Attention: Document Control Desk

Reference: License DPR-1, Docket 50-18

Gentlemen:

Enclosed are three signed copies of Annual Report No. 35 for the Vallecitos Boiling Water Reactor (deactivated).

Sincerely,


B. M. Murray
Senior Licensing Engineer
(925) 862-4455

/ca

Enclosures

A020



GE Nuclear Energy

*Vallecitos Nuclear Center
Sunol, California*

VALLECITOS BOILING WATER REACTOR

(DEACTIVATED)

ANNUAL REPORT NO. 35

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

**VALLECITOS BOILING WATER REACTOR
(DEACTIVATED)**

ANNUAL REPORT NO. 35

The status of the Vallecitos Boiling Water Reactor (VBWR) during the calendar year of 1999 is described in this thirty-fifth report of the deactivated facility in conformance with License DPR-1, Docket 50-18, Amendment No. 19, paragraph 5.d.2.

I. SUMMARY

The facility remained essentially in a static condition as described in Annual Report No. 34. Entry into the containment building was made for routine radiation surveys and for a check of general conditions throughout the building to verify the unchanged condition of the facility. The reactor vessel water level was monitored and remained essentially constant.

II. STATUS OF THE FACILITY

A. Containment Building

No changes were made during the report period.

B. General Systems

No changes were made during the report period.

III. PERIODIC INSPECTIONS

The annual air samples and radiation and contamination surveys of accessible areas within the containment building are given in Table 1 of this report. The levels shown are representative and are not necessarily maximums.

IV. RADIATION AND CONTAMINATION

Radiation and contamination surveys of the facility indicate the levels in all cases were well below the limits for any safety concern.

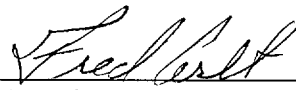
V. ORGANIZATION

There were no organization changes in 1999.

VI. CONCLUSION

The deactivated Vallecitos Boiling Water Reactor continues to be maintained in a safe condition, commensurate with its shut down status. The methods of inspection and control of safety-related items ensure maximum protection for the public and the General Electric Company.

GENERAL ELECTRIC COMPANY
Vallecitos and Morris Operations



F. A. Arlt, Manager
Facilities Maintenance

TABLE 1. RADIATION AND CONTAMINATION REPORT

	Radiation Levels (mR/h Gamma)		Contamination Levels			
			Surface Smears Beta-Gamma** (cpm/ft ² × 10 ³)		Airborne Beta-Gamma* (μCi/cc × 10 ⁻¹⁰)	
	<u>11/98</u>	<u>12/99</u>	<u>11/98</u>	<u>12/99</u>	<u>11/98</u>	<u>12/99</u>
<u>Reactor Enclosure, Main Floor</u>						
1. General	<1.0	<1.0	0.2	1.1	0.0013	0.021
2. Top of Spent Fuel Pit Cover	<1.0	<1.0	1.0	1.5	0.023	0.28
<u>Reactor Basement</u>						
1. Upper Level, Field	2	<1-1.2				
2. West Ladder, Bottom	5	10	3.0	8.0		
3. East Ladder, Bottom	2	1-2.5	4.0	1.8	0.079	0.025
4. Between Recirculation Pumps (2 ft. off deck)	12	9				

*The 11/98 and 12/99 values are given for the 24-hour decay counts as normally presented.

**For conversion to dpm, assume an instrument efficiency of 20%.

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.