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 2002**

Reference: License DPR-1, Docket 50-18

Gentlemen:

Enclosed are three signed copies of Annual Report No. 38 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 925-862-4469

Sincerely,

C. W. Bassett
Regulatory Compliance and Quality Assurance Support

Enclosures (3)

A020

GE Nuclear Energy

Vallecitos Nuclear Center
General Electric Company
Sunol, California

VALLECITOS BOILING WATER REACTOR
(DEACTIVATED)

ANNUAL REPORT NO. 38
FOR THE YEAR 2002

LICENSE DPR-1
DOCKET 50-18

MARCH 2003

Vallecitos Boiling Water Reactor
(Deactivated)

Annual Report No. 38

General Electric Company has maintained the Vallecitos Boiling Water Reactor (VBWR) 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, 2002 to December 31, 2002 is presented, as required by paragraph 5.d.2 of the license.

1.0 SUMMARY

The facility remains in essentially the same condition described in Annual Report No. 37. Entry into the containment building was made for routine radiation surveys and a general examination of conditions throughout the building. The water level within the reactor vessel was monitored and remained essentially constant throughout the report period.

Radiation levels remain essentially unchanged.

2.0 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.

3.0 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.

4.0 ACTIVITIES

Routine inspections were conducted during this report period. There were no preventive or corrective maintenance activities performed having safety significance during the reporting period.

5.0 ORGANIZATION

The management and operations organization for the VBWR is described in Technical Specification 6.1 (Figure 1) of License DPR-1. The organizational structure remains the same, the Level 1 manager is L.M. Quintana.

6.0 CONCLUSION

The General Electric Company concludes that the deactivated VBWR 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 Operations

for F.A. Arlt, Manager
Facilities Maintenance

Table 1
Radiation and Contamination Level Data
Vallecitos Boiling Water Reactor (Deactivated)

			Contamination Levels			
	Radiation Levels (mR/h Gamma)		Surface Smears Beta-Gamma* ($cpm/ft^2 \times 10^3$)		Airborne Beta-Gamma† ($\mu Ci/cc \times 10^{-10}$)	
Date of Measurement:	12/01	12/02	12/01	12/02	12/01	12/02
Reactor Enclosure, Main Floor						
General	<1.0	<1.0	0.3	0.4	0.006	0 007
Top of Spent Fuel Pit Cover	<1.0	<1.0	0.1	0.2	0.009	0.008
Reactor Basement					0.006	0.012
Upper Level, Field	1.2	1.0	--	--	--	--
West Ladder, Bottom	10	10	1.0	0.2	--	--
East Ladder, Bottom	1.5	2.0	0.3	0.2	0.012	0.011
Between Recirculation Pumps (located 2 feet above deck)	2.5	9.0	--	--	--	--

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