



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

March 12, 2002

Document Control Desk
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Subject: Annual Report for 2001

Reference: License DPR-1, Docket 50-18

Gentlemen:

Enclosed are three signed copies of Annual Report No. 37 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
A001



GE Nuclear Energy

*Vallecitos Nuclear Center
General Electric Company
Sunol, California*

**VALLECITOS BOILING WATER REACTOR
(DEACTIVATED)**

**ANNUAL REPORT NO. 37
FOR THE YEAR 2001**

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

MARCH 2002

**Vallecitos Boiling Water Reactor
(Deactivated)**

Annual Report No. 37

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, 2001 to December 31, 2001 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. 36. 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. Although the organizational structure remains the same, the Level 1 manager has changed due to the retirement of G.L. Stimmell. The new 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



F.A. Arlt, Manager
Facilities Maintenance

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

Date of Measurement:	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)	
	12/00	12/01	12/00	12/01	12/00	12/01
Reactor Enclosure, Main Floor						
General	<1.0	<1.0	0.1	0.3	0.006	0.006
Top of Spent Fuel Pit Cover	<1.0	<1.0	0.1	0.1	0.019	0.009
Reactor Basement					0.044	0.006
Upper Level, Field	1	1.2	--	--	--	--
West Ladder, Bottom	3-12	10	0.3	1.0	--	--
East Ladder, Bottom	<1-2	1.5	0.1	0.3	0.016	0.012
Between Recirculation Pumps (located 2 feet above deck)	3	2.5	--	--	--	--

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