

ESADA VALLECITOS EXPERIMENTAL SUPERHEAT REACTOR

ANNUAL REPORT NO. 15

(DEACTIVATED)

LICENSE DR-10

DOCKET 50-183

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General Electric Company has maintained the ESADA Vallecitos Experimental Superheat Reactor (EVESR) in a deactivated status under the authority of Amendment No. 3 to License DR-10, Docket 50-183, issued June 11, 1976. In this fifteenth annual report, a summary is presented as to the status of the facility for the period from January 1, 1982, to December 31, 1982, as required by Paragraph 3.E.2 of the license.

I. SUMMARY

The facility remains in essentially the same condition described in the fourteenth annual report. Entry into the containment building was made for routine radiation surveys and a general check of conditions throughout the building. Radiation levels remain essentially unchanged.

II. STATUS OF THE FACILITY

Access to the containment building is controlled by the facility supervisor according to written procedures. The reactor vessel and head storage shield plugs, the wooden cover over the fuel storage pool, and the locked covers for the personnel and equipment hatchways remain in place.

III. RADIATION AND CONTAMINATION

Complete radiation and contamination surveys of the facility indicate that the levels remain low. Survey results are tabulated in Table 1.

IV. ACTIVITIES

Routine inspections were conducted during this report period.

V. ORGANIZATION

The responsibility for maintaining the EVESR facilities remains that of the Irradiation Processing Operation (IPO), which is also responsible for the GETR facility. However, because of the extended shutdown of the GETR, the IPO organizational structure was modified in 1982. The responsibilities of the Manager, Plant Engineering and Maintenance, and the Manager, GETR Operations, were combined and assigned to a new position, the Manager, Design Engineering Services. This new position reports to the Manager, Engineering and Support Services. The latter has the responsibilities formerly assigned to the Manager, Reactor Irradiations; e.g., he serves as the Facility Manager for the EVESR.

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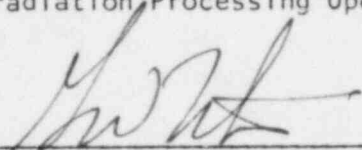
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VI. CONCLUSION

The General Electric Company concludes that the deactivated ESADA Vallecitos Experimental Superheat Reactor 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. These procedures will be continued to maintain this high level of protection.

GENERAL ELECTRIC COMPANY
Irradiation Processing Operation

By



G. W. Titus, Manager
Engineering & Support Services

TABLE 1. RADIATION AND CONTAMINATION REPORT

Reactor Enclosure	<u>12/81</u>	<u>06/82</u>	<u>12/82</u>
1. Radiation Readings (mR/h gamma)			
a. Top of spent fuel pool (main floor)	5.0	4.0	2.0
b. 549-ft level (main floor)	<1	<1	<1
c. 534-ft level	1.0	<1	<1
d. 519-ft level	<1	<1	<1
e. 503-ft level (maximum pipe reading)	8.0	5.0	2.5
f. 487-ft level (basement)	<1	<1	<1
2. Air Samples ($\mu\text{Ci}/\text{cc}$ air beta-gamma) $\times 10^{-10}$ *			
a. Top of spent fuel pool	0.07	<0.01	0.082
b. 549-ft level	0.25	0.02	0.033
c. 519-ft level	0.14	0.06	0.066
d. 487-ft level	0.16	0.02	0.016
3. Floor Smears (c/m beta-gamma)			
549-ft level	1,500	100/ft ²	500/ft ²

*24-hour decay

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