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Rockwell
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December 8, 1989

In reply refer to 89RC-06700

Mr. Edward Jordan, Director
Office for Analysis and Evaluation of Operational Data
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Dear Mr. Jordan:

Subject: Environmental Monitoring Annual Report - 1988

Environmental monitoring data obtained by Rocketdyne Division for operations conducted under license SNM-21 for the year 1988 have been summarized as requested. The enclosed report includes a summary of average environmental radioactivity levels for the reporting period, a summary of nonradioactive material in surface water and in atmospheric discharge, a discussion and comparison with previous annual data, and an effluent summary.

An "Environmental Compliance Summary", prepared by the Department of Energy, has been attached to this report for distribution to all recipients at the request of the DOE.

Very truly yours,

R. J. Tuttle, Manager
Radiation and Nuclear Safety

Enclosure: Environmental Monitoring Report (2)

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ENVIRONMENTAL COMPLIANCE SUMMARY

SANTA SUSANA FIELD LABORATORY/ROCKETDYNE DIVISION

The site has soil and groundwater contamination, none of which represents an immediate or near term hazard to personnel at the facility or to the population off-site.

There is long-recognized groundwater contamination by organic solvents on the site. Cleanup of this contamination has been ongoing for some time under the cognizance of the California Regional Water Quality Control Board and most recently with the California Department of Health Services. As far as is known at the present, there is no radioactivity in the groundwater at SSFL above EPA Drinking Water Standards.

Radioactive contamination at the site resulted mostly from the operation of small research or test reactors, which operated in the 1950s and 60s. At the present time, the radioactivity is in the form of activation and fission products. Contamination and activated radioactive material at the entire site is estimated at less than 60 curies; all but 0.1 curies is confined and controlled within buildings.

Continued remediation is conducted through Rockwell International and is now coordinated with the EPA, the California Department of Health Services, the Ventura County Air Pollution Control District, the California Regional Water Quality Control Board, and the Ventura County Environmental Health Department.

These government agencies along with DOE comprise a "SSFL Regulatory Agency Work Group" which is convened by the EPA every two months to evaluate progress. Bimonthly reports are generated by Rockwell informing the Group of the current status of environmental monitoring, remediation, and other environmental issues.