GENERAL ATOMIC™

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FORT ST. VRAIN SURVEILLANCE AND TESTING PROGRAM

QUARTERLY PROGRESS REPORT FOR THE PERIOD ENDING DECEMBER 31, 1975

by
PROJECT STAFF

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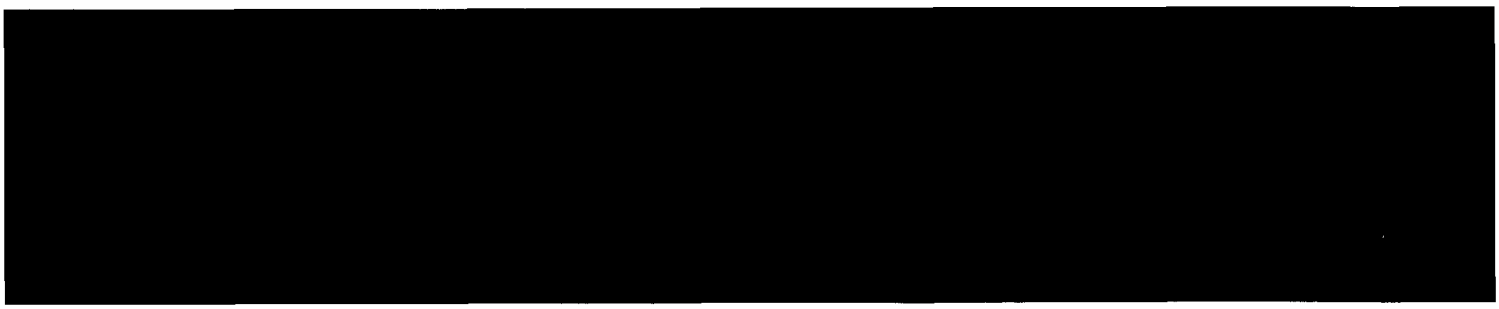

PREVIOUS QUARTERLY REPORTS IN THIS SERIES

GA-A13209, for the period ending September 30, 1974
GA-A13282, for the period ending December 31, 1974
GA-A13454, for the period ending March 31, 1975
GA-A13514, for the period ending June 30, 1975
GA-A13692, for the period ending September 30, 1975

ABSTRACT

This publication continues the quarterly report series on Fort St. Vrain (FSV) Surveillance and Testing. The program will perform post-startup tests on FSV plant components and systems to increase our knowledge of operating characteristics of large HTGRs.

1. INTRODUCTION

The Fort St. Vrain (FSV) Surveillance and Testing Program is directed toward applying FSV operating experience to the design of large HTGRs. This program, conceived in FY-74, has been delayed for various reasons and was completely reconstructed in early FY-76. Since then, a major reassessment was conducted, a revised Program Plan was issued, and funding was received in late October 1975 for the approved portions of the Program Plan. The six subtasks which were approved for funding are:

1. Steam Generator Performance Surveillance
2. Helium Purification Component Verification
3. Core Graphite Dust Production Monitoring
4. PCRV Dynamic Response Verification
5. PCRV Liner Cooling System Surveillance
6. Steady-State Performance Code Verification

2. ACCOMPLISHMENTS

A detailed Work Plan was issued for review and comment covering those subtasks which received funding.

Procurement action was initiated to obtain instrumentation required to monitor FSV steam generator performance.

Work was begun to produce the necessary hardware and procedural specifications required to support the various subtasks.

The scheduled work is 15% complete.