



ENTERGY

Entergy Operations, Inc.

P.O. Box 756

Port Gibson, MS 39150

Tel 601 376-6035

W. T. Cottle

Vice President

Operations

Grand Gulf Nuclear Station

January 15, 1992

U.S. Nuclear Regulatory Commission
Mail Station P1-137
Washington, D.C. 20555

Attention: Document Control Desk

Subject: Grand Gulf Nuclear Station
Unit 1
Docket No. 50-416
License No. NPF-29
Security Boundary Upgrade Status Report for Period Ending
December 1991

GNRO-92/00009

Gentlemen:

As discussed in AECM-90/0058 dated March 30, 1990, Entergy Operations committed to submit bimonthly status reports regarding the Security Boundary Upgrade Project; however, per discussion between Entergy Operations personnel and W. J. Tobin of NRC Region II on September 28, 1990, these reports need only be submitted if there is a change to the status described in the previous report.

Attached is an updated Security Boundary Upgrade Project Status Report that includes discussion regarding background and past accomplishments in our overall efforts to upgrade the entire plant security boundary, the milestones for those efforts now focusing on the south boundary, and the related actions completed since the submittal of our last report.

This letter and the attached status report do not contain safeguards information. Should you need more detailed information on any specific item, please contact this office.

Yours truly,

W. T. Cottle

WTC/DBM/be

attachment: Security Boundary Upgrade Project Status Report

cc: (See Next Page)

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cc: Mr. D. C. Hintz (w/a)
Mr. J. L. Mathis (w/a)
Mr. R. B. McGehee (w/a)
Mr. N. S. Reynolds (w/a)
Mr. H. L. Thomas (w/o)

Mr. Stewart D. Ebnetter (w/a)
Regional Administrator
U.S. Nuclear Regulatory Commission
Region II
101 Marietta St., N.W., Suite 2900
Atlanta, Georgia 30323

Mr. P. W. O'Connor, Project Manager (w/2)
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Mail Stop 13H3
Washington, D.C. 20555

SECURITY BOUNDARY UPGRADE PROJECT
STATUS REPORT

I. SECURITY BOUNDARY UPGRADE PROJECT:

NRC inspections and reviews, including the 1988 Regulatory Effectiveness Review (RER), identified an issue which is the focus of this series of status reports. The Security Boundary Upgrade Project was initiated due to concerns with camera coverage on the south boundary. Study of the issue has identified two related concerns which must be concurrently addressed to obtain an effective solution to the camera coverage issue. These additional concerns are the camera monitoring computer system capacity and working conditions in the CAS/SAS. Entergy Operations has developed plans to correct these concerns, and is proceeding with their internal approval and implementation.

II. UPGRADE PLAN:

A plan has been developed to address concerns relating to the south boundary. The plan has two major parts:

1. Short-term Improvements - Activities to improve camera coverage and CAS/SAS working conditions (completed in early 1991):
 - Relocate two cameras
 - Add cantilever mountings to two cameras
 - Change five camera lenses
 - Add glare screens to CAS/SAS computer display monitors
 - Replace existing CAS/SAS printers
 - Improve CAS/SAS room lighting.
2. Long-term Improvements - Currently planned activities include:
 - Increase camera coverage
 - Upgrade video transmission equipment
 - Rework the southwest fenceline
 - Major upgrade of the security computer system
 - Rework the CAS/SAS with human factors improvements.

III. MILESTONE SCHEDULE:

The planned schedule for currently identified activities in the Security Boundary Upgrade Project are presented below:

<u>Activity</u>	<u>Completion Date</u>	<u>Status</u>
1. Initiate scoping study.	11/89	Completed
2. Scoping study complete.	05/90	Completed
3. Prepare tentative upgrade plan.	05/90	Completed
4. Begin implementation of short-term improvements.	05/90	Completed
5. Brief NRC Region II on Scoping Report results.	06/90	Completed
6. Complete implementation of short-term improvements.	02/91	Completed
7. Phase I of long-term improvements (design work for improvements on Zones 7-13, procure new equipment, and develop custom software for the equipment).	07/91	Completed
8. Phase II of long term improvements (procure additional equipment, install new cameras, relocate existing cameras, install new Perifield-M intrusion detection system, rework fences in Zones 13, and design work for Zones 1-6 improvements).	12/91	Completed*
9. Phase III of long-term improvements (procure final new equipment, install new cameras, relocate existing cameras, rework intrusion detection system/fences in Zones 1-6, and design work for security alarm stations).	12/92	Approved, final funding pending
10. Phase IV of long-term improvements (fire annunciator rework for CAS/SAS, security alarm stations rework, and administrative wrap-up).	12/93	Approved, final funding pending

*Indicates a change in status from the previous status report.

V. ACTIONS THIS REPORTING PERIOD:

Progress this reporting period has been good, with activities proceeding on schedule. The actions below have begun or been completed since the last status report was submitted (GNRO-91/00127 dated July 22, 1991):

1. Phase II work on Zones 7-13 has been completed. A Perifield-M Intrusion Detection System (IDS) and new cameras have been installed. This equipment has been tested by both the Security Section and the vendor with impressive results. This system is located in the outer isolation zone and cannot be tied into the security computer until Phases III and IV are complete.
2. The Phase II design work for long-term improvements of Zones 1-6 is being reviewed for construction. Field work currently scheduled to begin June 1992 for improvements in Zones 1-6 is part of the Phase III activities.
3. Development of custom software for new equipment has begun and is proceeding to support installation of the equipment. Phases I and II activities are complete, and this work will continue into Phases III and IV.
4. The project procurement work for Phases I and II is complete. The final release of funding and equipment delivery is in progress to support Phase III and IV activities.