NRC FORM 366 (7-72) LICENSEE EVENT REPORT U.S. NUCLEAR REGULATORY COMMISSION Attachment to AECM-82/391 Page 1 of 2	
CONTROL BLOCK:	
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EVENT DESCRIPTION AND PROBABLE CONSEQUENCES 10 0 2 While performing tree cutting maintenance around a 500 KV transmission	
0 3 Line supplying CGNS, a worker felled a tree across the line and was killed.	
0 4 The mishap caused a temporary loss of power to GGNS which caused a	
0 5 reactor scram due to loss of power for the Reactor Protection System	
0 6 busses. The RPS responded properly to the transient by fulfilling its	
0 7 design function.	
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ACTION FUTURE EFFECT SHUTDOWN HOURS 22 ATTACHMENT NPRD-4 PRIME COMP. COMPONENT X 18 Z 19 Z 20 Z 21 20 Z 21 22 ATTACHMENT NPRD-4 PRIME COMP. COMPONENT 33 33 34 9 36 37 40 41 23 N 24 Z 9 9 9 9	26
CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)	
1 1 to the site. The reactor scram was reset. No further action is planned.	
This is being submitted as a final report.	
1 3	
FACILITY STATUS	
ACTIVITY CONTENT RELEASED OF RELEASE 7 8 9 33 Z 34 NA NA NA NA NA LOCATION OF RELEASE NA NA NA NA NA	
Image: Pressonnel exposures Type Type NUMBER 0 0 0 1 7 8 9 11 1 12 13 NA	
PERSONNEL INJURIES NUMBER DESCRIPTION (41) 1 8 0 0 0 (40) NA	
7 8 9 11 12 11 12 11 12 <td></td>	
7 8 9 10 80 PUBLICITY ISSUED DESCRIPTION (45) NRC USE ONLY 2 0 N(44) NA	7-926
7 8 9 10 Original Signed By: Paul Different 66 69 80 NAME OF PREPARER PHONE:	CHO 040

Attachment AECM-82/391 Page 2 of 2

SUPPLEMENTARY INFORMATION TO LER 82-045/01 T-0

Licensee: Mississippi Power & Light Co. Facility: Grand Gulf Nuclear Station - Unit 1 Docket No: 50-416

Tree cutting and pruning was being done in Franklin County, Mississippi as part of a routine program of clearing and maintaining paths for transmission and distribution lines. During this process a worker accidentally felled a tree across a 500 KV transmission line to the Grand Gulf Nuclear Station and was killed. Protective relays tripped the Franklin line due to the electrical fault produced and attempted to transfer power to the 500 KV Baxter Wilson line. However, a failure of the relaying equipment on the Baxter Wilson to Grand Gulf 500 KV line occurred and no transfer was made. Effectively the line was open from Franklin to Baxter Wilson through the Grand Gulf switchyard so that all 500 KV supply was lost. The 115 KV Port Gibson line was available during the entire event.

The emergency diesel generators started and picked up the load. The 500 KV system was restored very shortly thereafter and the diesel generators were paralled for about 2 hours with the 500 KV line before the diesels were shutdown. The relaying equipment from Grand Gulf to Baxter Wilson was repaired and daily checks have been made to be sure that the relaying equipment remains operable. During the event, power was lost to the Reactor Protection System. This produced a reactor scram signal and the reactor scrammed. After power was restored, the scram was reset and the plant electrical status returned to normal configuration.

The RPS system responded as designed to the loss of power transient. No future corrective action is required or necessary as a result of this event.