

LICENSEE EVENT REPORT

CONTROL BLOCK: ①

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

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7 8 9 LICENSEE CODE 14 15 LICENSS NUMBER 25 26 LICENSE TYPE 30 57 CAT 58

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① ② REPORT SOURCE L ③ 0 5 0 0 0 4 1 6 ④ 7 0 1 2 4 8 3 ⑤ 8 0 2 2 2 8 3 ⑥ 9
7 8 60 61 DOCKET NUMBER 68 69 EVENT DATE 74 75 REPORT DATE 80

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES ⑩

① ② On January 24, 1983, at 2200 hours the heater element in the steam generators for
① ③ the humidifier section of the control room A/C (air conditioning) system 'B' train
① ④ were observed to be arcing. The 'B' train was then taken out of service. This
① ⑤ required entering the action statement for T.S.3.7.2. The event had no effect on the
① ⑥ health and safety of the public and did not constitute a threat to plant safety. The
① ⑦ event is reported pursuant to T.S.6.9.1.13.b.

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① ② LER/RO REPORT NUMBER ③ 8 3 ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪ ⑫ ⑬ ⑭ ⑮ ⑯ ⑰ ⑱ ⑲ ⑳ ㉑ ㉒ ㉓ ㉔ ㉕ ㉖ ㉗ ㉘ ㉙ ㉚ ㉛ ㉜ ㉝ ㉞ ㉟ ㊱ ㊲ ㊳ ㊴ ㊵ ㊶ ㊷ ㊸ ㊹ ㊺ ㊻ ㊼ ㊽ ㊾ ㊿ 80

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS ⑳

① ② The root cause was mineral deposits from the makeup water collecting in the steam
① ③ generators, thus shorting out the heating elements. On February 2, 1983, one steam
① ④ generator (3 total) was found to be severely clogged with salt deposits. Corrective
① ⑤ action was to replace all 3 steam generator cylinders. This is a final report.

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① ② FACILITY STATUS ③ G ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪ ⑫ ⑬ ⑭ ⑮ ⑯ ⑰ ⑱ ⑲ ⑳ ㉑ ㉒ ㉓ ㉔ ㉕ ㉖ ㉗ ㉘ ㉙ ㉚ ㉛ ㉜ ㉝ ㉞ ㉟ ㊱ ㊲ ㊳ ㊴ ㊵ ㊶ ㊷ ㊸ ㊹ ㊺ ㊻ ㊼ ㊽ ㊾ ㊿ 80

① ② ACTIVITY CONTENT ③ Z ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪ ⑫ ⑬ ⑭ ⑮ ⑯ ⑰ ⑱ ⑲ ⑳ ㉑ ㉒ ㉓ ㉔ ㉕ ㉖ ㉗ ㉘ ㉙ ㉚ ㉛ ㉜ ㉝ ㉞ ㉟ ㊱ ㊲ ㊳ ㊴ ㊵ ㊶ ㊷ ㊸ ㊹ ㊺ ㊻ ㊼ ㊽ ㊾ ㊿ 80

① ② PERSONNEL EXPOSURES ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪ ⑫ ⑬ ⑭ ⑮ ⑯ ⑰ ⑱ ⑲ ⑳ ㉑ ㉒ ㉓ ㉔ ㉕ ㉖ ㉗ ㉘ ㉙ ㉚ ㉛ ㉜ ㉝ ㉞ ㉟ ㊱ ㊲ ㊳ ㊴ ㊵ ㊶ ㊷ ㊸ ㊹ ㊺ ㊻ ㊼ ㊽ ㊾ ㊿ 80

① ② PERSONNEL INJURIES ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪ ⑫ ⑬ ⑭ ⑮ ⑯ ⑰ ⑱ ⑲ ⑳ ㉑ ㉒ ㉓ ㉔ ㉕ ㉖ ㉗ ㉘ ㉙ ㉚ ㉛ ㉜ ㉝ ㉞ ㉟ ㊱ ㊲ ㊳ ㊴ ㊵ ㊶ ㊷ ㊸ ㊹ ㊺ ㊻ ㊼ ㊽ ㊾ ㊿ 80

① ② LOSS OF OR DAMAGE TO FACILITY ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪ ⑫ ⑬ ⑭ ⑮ ⑯ ⑰ ⑱ ⑲ ⑳ ㉑ ㉒ ㉓ ㉔ ㉕ ㉖ ㉗ ㉘ ㉙ ㉚ ㉛ ㉜ ㉝ ㉞ ㉟ ㊱ ㊲ ㊳ ㊴ ㊵ ㊶ ㊷ ㊸ ㊹ ㊺ ㊻ ㊼ ㊽ ㊾ ㊿ 80

① ② PUBLICITY ISSUED ③ Z ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪ ⑫ ⑬ ⑭ ⑮ ⑯ ⑰ ⑱ ⑲ ⑳ ㉑ ㉒ ㉓ ㉔ ㉕ ㉖ ㉗ ㉘ ㉙ ㉚ ㉛ ㉜ ㉝ ㉞ ㉟ ㊱ ㊲ ㊳ ㊴ ㊵ ㊶ ㊷ ㊸ ㊹ ㊺ ㊻ ㊼ ㊽ ㊾ ㊿ 80

① ② PDR ADOCK 05000416 S PDR
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① ② NAME OF PREPARER E. Boyel Shydlor PHONE

SUPPLEMENTARY INFORMATION TO
LER 83-036/03 L-0

Mississippi Power & Light Company
Grand Gulf Nuclear Station - Unit 1
Docket No. 50-416

Technical Specification Involved: 3.7.2
Reported Under Technical Specification: 6.9.1.13.b

Event Narrative:

On January 24, 1983, at 2200 hours, the heater elements in the steam generator cylinder for the humidifier section of the 'B' train of the control room air conditioning system were observed to be arcing. A MWO was written to investigate and repair the unit and the train was removed from service. Upon investigation, steam generator cylinders #2 and #3, out of a total of 3, were found to have failed (heater elements shorted out). The unit was not repaired by 2000 hours on January 31, 1983, therefore the 'A' train was placed in the isolation mode per T.S.3.7.2 action b.1 and the commission was notified within 1 hour per 10 CFR requirements. On February 2, 1983, steam cylinder #1 was replaced after observing heavy calcium deposits in the cylinder. The mineral deposits are believed to come from a construction water crosstie with the domestic water system which is the normal supply of makeup to the steam cylinders. Due to construction problems with the plant service water system (normal supply to domestic water system), construction water has been the supply to the domestic water system and is a source of water with heavy suspended solids. At the present time changes to the plant service water system are planned and when completed should correct the problem.