

SUMMARY OF ENVIRONMENTAL PROTECTION PROGRAM
RESPECTING CONSTRUCTION OF GRAND GULF NUCLEAR STATION
FOR SIX MONTHS ENDING OCTOBER 31, 1978

At the end of October 31, 1978, construction of Units 1 & 2 was 76.8% and 6.9% complete, respectively. The entire construction project was 50.9% complete. In addition, the following items in Unit 1 have been completed: all exterior walls, the dome set, the 1st pour of the hip course, rebar placement on the dome and the PSW line. The Unit 2 reactor arrived on July 31, 1978, and was placed on the temporary storage pad. The drywell liner and RPV slab are complete, and the containment liner concrete is up to elevation 161'.

VEHICULAR MOVEMENT

There were no "off limit" violations observed during the reporting period.

DUST CONTROL

There was one dust control violation during the reporting period. It involved an excessive amount of cement dust which was being released during batching operations. The dust control bags were cleaned or replaced as necessary. Existing fugitive dust control measures for site roads were modified by refilling the water wagon at the borrow pit, thus reducing the turnaround time considerably.

SMOKE CONTROL

There was one smoke control violation during the reporting period. The violation involved a Bechtel pickup truck which was removed from service. A brush fire was observed burning unattended during the reporting period. The fire was extinguished and no site damage was observed.

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EROSION CONTROL

Rain occurred on thirty-eight (38) separate occasions during the reporting period with an accumulated rainfall of 19.46 inches. An additional rainfall was observed during May but not recorded due to an equipment malfunction that has since been corrected. Runoff samples were collected on eight (8) of these instances and returned to the laboratory for suspended solids analysis. Additional runoff was observed on one (1) other occasion, but no samples were taken because the 24-hour time limitation had elapsed over the weekend. Severe erosion was observed at the dam at Mrs. Mary Lee Hamilton Trimble's pond (an adjacent property), the drainage ditch from the main laydown area to Basin "A", the paved ditch from the lower northwest laydown area to Basin "A", the valley from Grand Gulf road to Basin "A" adjacent to the northwest laydown area, and the re-directed Stream "B" crossing beneath the county road. Repairs have been completed in all areas except the county road crossing. A temporary repair at the county road enabled traffic to resume use of the road. Permanent repair in this area will be completed at a later date.

NOISE CONTROL

There were no noise control violations during the reporting period. Mississippi Power & Light Company has continued to observe noise levels and found that construction activities have not reached such noise-producing levels as to warrant resumption of noise level surveys. Pile driving operations for the Unit #2 cooling tower began in May and continued until complete in August. Piles were driven by the day shift, and no significant increase in noise levels was noticed.

CHEMICAL AND SOLID WASTE CONTROL

Eleven (11) chemical and solid waste violations were observed during the six-month period. All were minor in nature and were cleaned up immediately with no oil reaching site streams, lakes, or the Mississippi River.

DEWATERING

Only one (1) well showed a water level change of three feet or more. Well number OW29A showed an increase of 3.7 feet in May. This was immediately after the tornadic winds damaged the concrete batch plant. Little or no concrete was being produced at this time. As concrete production increased, the water level in this well began a corresponding decrease in elevation. Well OW202 had a dry reading in early August and has been dry since that time. A similar occurrence happened in September of 1977. The reason for well OW202 being dry has not been determined. Well number OW7 was not read in May due to inaccessibility from tornadic wind damage.

VEGETATION

Monthly vegetation surveys were made around the site periphery to detect vegetational stresses due to construction activities. No obvious abnormalities that could be attributed to construction activities were evident. Clean up of selected areas continued in May and June from tornadic wind damage.

TRANSMISSION LINES

Construction on the 500 Kv Baxter Wilson transmission line from GGNS to Baxter Wilson Steam Plant in Vicksburg began in June. With the exception of two (2) small parcels of wooded land, all clearing is complete. Burning of downed timber has been hampered during September and October due to extremely dry conditions. Foundation work is well underway. A five-thousand (5000) foot section of the Ray Braswell 500 Kv Transmission Line was

cleared in September. Brush piling operations began the latter part of October. No EPP violations were observed on either transmission line.