

SUMMARY OF ENVIRONMENTAL PROTECTION PROGRAM
RESPECTING CONSTRUCTION OF GRAND GULF NUCLEAR STATION
FOR SIX MONTHS ENDING OCTOBER 31, 1980

At the end of October, 1980, construction of Units 1 and 2 was 87% and 23% complete, respectively. The entire construction project is 64% complete. The following items in Unit 1 have received considerable attention since the last report: the permanent warehouse extension was completed, repair work was completed on the south cooling tower, the PSW line was replaced with a steel pipeline and the discharge line was replaced in part with a concrete pipeline, the SIT drywell was completed, the RPV backflush was completed, and construction on a new office housing Construction, Quality Assurance, and Internal Audit was begun. Construction on Unit 2 remained stopped.

VEHICULAR MOVEMENT

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

DUST CONTROL

There were no obviously excessive dust control violations during the reporting period.

SMOKE CONTROL

There was one smoke control violation during the reporting period. The air curtain destructor blower was observed operating inefficiently because of several large rusted holes in the blower pipe. Bechtel was instructed to make necessary repairs immediately. This was accomplished during September.

EROSION CONTROL

Rain occurred on thirty (30) separate occasions during the reporting period with an accumulated rainfall of 25.41 inches. Runoff samples were collected on seven (7) of these instances and returned to the laboratory for suspended solids analysis. Minor instances of additional erosion were observed; however, the stability of the site has increased with another growing season. Most previously reported erosion areas have been repaired, the exceptions being some areas adjacent to PSW Line leading from the river to the plant and some scattered areas in the spoils areas.

NOISE CONTROL

There were no noise control violations during the reporting period.

CHEMICAL AND SOLID WASTE CONTROL

One chemical and solid waste violation was observed during the reporting period. A minor oil spill was evident on Sediment Basin "A" when a hydraulic line ruptured. Bechtel forces cleaned up the oil immediately.

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DEWATERING

Several significant changes were observed in the ground water readings during the reporting period. OW10 had an increase in the water level of 8.6 feet and then a decrease of 9.0 feet. OW69A was damaged by a tractor; however, no rework of the well was necessary. Well P209 had a dry reading, then had a wet reading. OW202 had a dry reading. The reporting period was extremely dry and this undoubtedly contributed to the decrease in ground water and thus the dry readings.

VEGETATION

The site development program was continued during the reporting period. Clipping of overgrown areas continued. Both fruit trees and sawtooth oak trees were closely observed. Survival rate of the fruit trees is greater than the oaks because some oaks were inundated for a period of time. A considerable amount of wild pecan trees were grafted with desirable species during the reporting period. The grown up areas adjacent Gin Lake were leased to an area farmer to clear and grow soybeans. Even though the crop was late a large amount of soybeans was grown. A bushhogging contract was also administered during the reporting period which kept fringe areas from becoming overgrown.

TRANSMISSION LINES

Reclearing of the Franklin Line was completed. The 115 Kv Port Gibson to GGNS Line was re cleared on an as-needed basis. The slide area continued to enlarge and some emergency repair work was necessary in this area. Permanent repair of the slide area was begun during the reporting period. The Baxter Wilson 500 Kv Line had minor erosion at Tower #24. Several minor erosion areas were planted with winter grasses to prevent major erosion. A heritage survey of the 500 Kv Ray Braswell Transmission Line was completed during the reporting period.

SEDIMENT BASINS A AND B

Sediment Basins A and B received considerable attention during the reporting period. Both basins were showing advanced rates of siltation. Cleanout of Basin "B" was initiated during February. Cleanout of Basin "A" was begun during the March reporting period. Cleanout of both basins was completed during the reporting period.