# REPORT ON
# TERMINATION OF CONSTRUCTION ACTIVITIES
# FOR
# RIVER BEND STATION - UNIT 2

GULF STATES UTILITIES

JUNE 1984

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## INTRODUCTION

In the early 1970's Gulf States Utilities Company (GSU) undertook a study of alternate energy sources and sites for meeting its projected power demands. The selection of the River Bend Site and a nuclear fueled generating station with cooling towers was made using the process described in Chapter 9 of the River Bend Station Environmental Report-Construction Permit Stage. This document was provided as part of GSU's construction permit application tendered in June 1973. The acquisition of the property for the 3342 acre site began in January 1970 and the final parcel was obtained in December 1974. Issuance of a limited Work Authorization in September 1975 allowed GSU to begin "clearing and grading the plant site, excavation (and dewatering system) for reactor and other building foundations, installation of a railroad spur and new north access road, installation of water wells, installation of fire protection facilities, diversion of West Creek and erection of construction support facilities as follows: offices, warehouses, shops, roads, and construction power." The Construction Permit was issued March 25, 1977 allowing construction of the facility. In the summer of 1977 GSU suspended construction of the station due to financial considerations. Construction of Unit 1 was resumed in the summer of 1979 but Unit 2 remained suspended. In January 1984 GSU announced the cancellation of Unit 2. Unit 1 is scheduled for April 1985 fuel load and December 1985 commercial operation dates. As of April 30, 1984 Unit 1 was 87.3% complete.

The purposes of this report are to identify River Bend Station Unit 2 related construction areas, and GSU's plans for restoring these areas due to the cancellation of this unit. The restoration of Unit 2 dedicated areas will be done in concert with those areas affected by Unit 1 construction as discussed in the River Bend Station Environmental Report - Operating License Stage section 4.3.1.1:

> "Facilities associated only with the construction phase of the plant, such as construction buildings; worker's shacks; concrete batch plant; temporary electrical, water, and sanitary facilities; parking areas; and laydown areas for construction materials, spoil, and backfill will be removed at the conclusion of construction activities. The land will be graded and seeded to promote return of vegetative cover."

It is anticipated that this will take place during the first year following commercial operation. These restored areas may be used for additional station support facilities as deemed necessary in the future.

Construction areas associated with Unit 2 include the excavation which was provided for the Unit 2 reactor and related buildings, and the northern portion of the cooling tower area which was cleared and graded for the installation of four mechanical draft cooling towers and related structures. An aerial photograph depicting these areas is

included at the end of this report. This report also includes a discussion of the disposition of the Unit 2 dewatering system, buildings, and equipment.

## EXCAVATION RESTORATION

The Unit 2 excavation bottom comprises approximately 11 acres bounded by excavation slopes to the north, west, and south and the Unit 1 slope to the east. The area at grade +94 ft msl is approximately 16 acres. The excavation was completed to an elevation of +20 ft msl and has been backfilled to an average of +66 ft msl.

The proposed restoration plan consists of backfilling the excavation to plant grade +94 ft msl using the indigenous material removed and stored onsite. The backfill will be compacted and sloped for drainage. Topsoil will be applied and a vegetative cover provided. This work will be accomplished during the year following commercial operation.

## COOLING TOWER RESTORATION

Nine acres were cleared and graded at the northern portion of the site for the installation of four mechanical draft cooling towers for Unit 2. The area is flat and at about 104 ft msl, approximately 10 ft above normal yard grade.

Topsoil and seeding will be used to restore the area. No additional provisions for drainage is required.

Restoration of the Unit 2 cooling tower area will be done in conjunction with the overall site restoration after commercial operation as was stated earlier. Restoration of this area does not affect plant safety.

## DISPOSITION OF DEWATERING WELLS

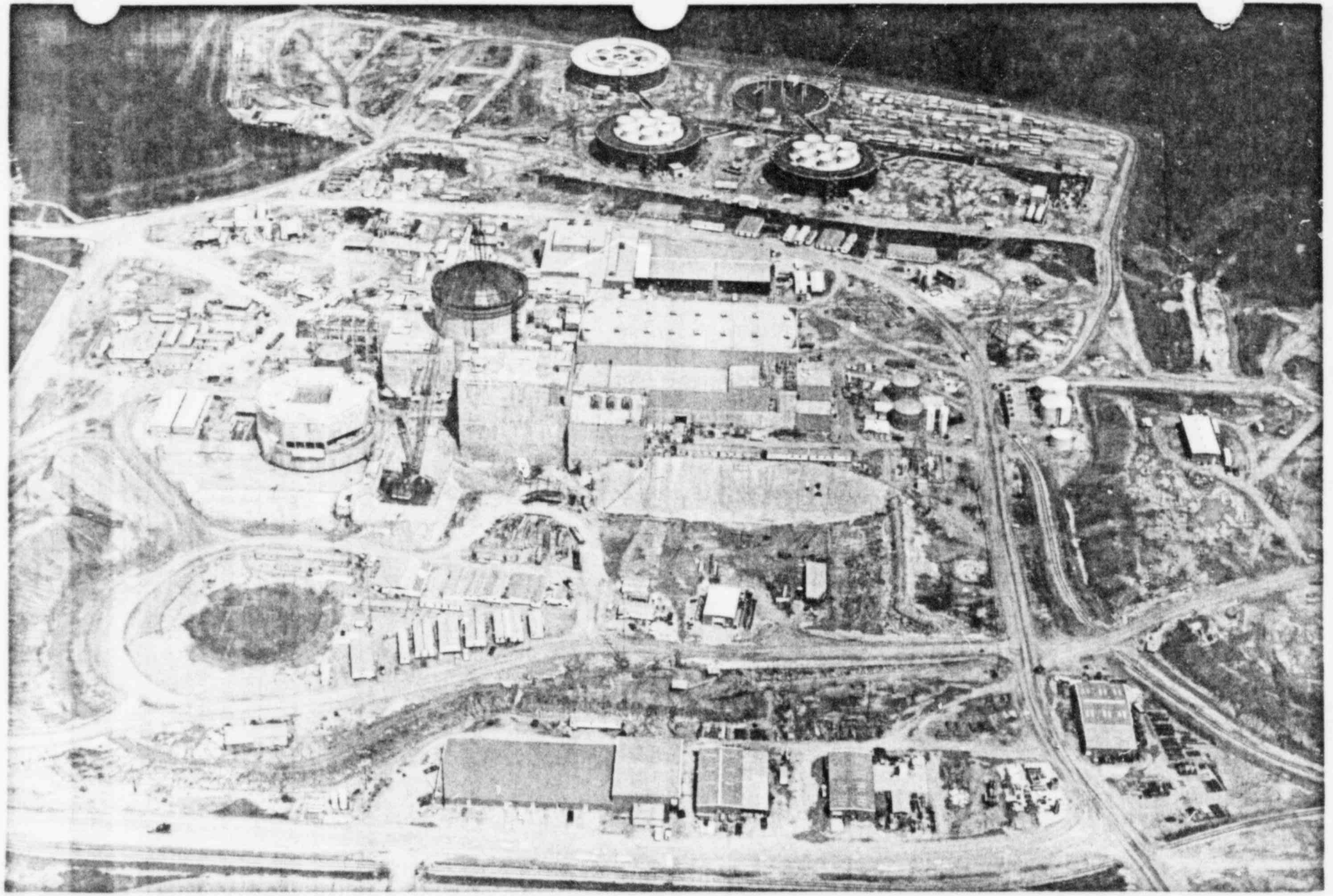
Approximately 20 dewatering wells have been installed in the Unit 2 area around the perimeter of the excavation. These wells will be plugged and abandoned in accordance with "Water Well Rules, Regulations, and Standards - State of Louisiana Department of Public Works." This work will be completed within the first year of commercial operation of Unit 1.

## DISPOSITION OF UNIT 2 STRUCTURES

A foundation mat for the basin and superstructure walls for the standby cooling tower #2 was provided in the excavation area. This structure will be covered as the excavation is backfilled.

## UNIT 2 EQUIPMENT STATUS

Unit 2 equipment stored onsite includes: the Unit 2 reactor vessel which is housed in a storage facility located in the southwest corner of the plant at the intersection of West Creek and the River Access Road, the condenser tube modules which are stored in the primary spoil area located northwest of the juncture of Hwy 965 and the River Access Road, and the shroud and drier which are stored in the cable yard located south of the clarifier area. GSU intends to seek interested buyers for this equipment and dispose of it as soon as practicable. If buyers cannot be located, it will continue to be stored onsite. When these onsite land areas are cleared of Unit 2 equipment, they will be restored by topsoil and seeding in conjunction with the overall site restoration after commercial operation.



AERIAL VIEW OF CONSTRUCTION AREA

GULF STATES UTILITIES COMPANY - RIVER BEND STATION
STONE & WEBSTER ENGINEERING CORPORATION
J.O. NO. 12210 PHOTO 533 MARCH 26, 1984