



**GULF STATES UTILITIES COMPANY**

PO BOX 720 ST FRANCISVILLE LOUISIANA 70775  
AREA CODE 504 875-6084 FAX 8601

June 18, 1992  
RBG- 37042  
File No. G9.5

U.S. Nuclear Regulatory Commission  
Document Control Desk  
Washington, D.C. 20555

Gentlemen:

River Bend Station - Unit 1  
Docket No. 50-458

Pursuant to the requirements of 10CFR21.21(c)(3), Gulf States Utilities Company (GSU) is submitting this written report of a defect in a forged replacement elbow. The specified location for the elbow is in a 12" feedwater line. The attached report provides the information required by 10CFR21.21.

Sincerely,

J. C. Deddens  
Senior Vice President  
River Bend Nuclear Group

WHO/LAE/RRH/DNL/DCH/NHZ/kvm

Attachment

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PDR ADDCK 05000458  
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cc: U.S. Nuclear Regulatory Commission  
Document Control Desk  
Washington, D.C. 20555

U.S. Nuclear Regulatory Commission  
611 Ryan Plaza Drive, Suite 400  
Arlington, TX 76011

NRC Resident Inspector  
P.O. Box 1051  
St. Francisville, LA 70775

Connex Pipe Systems, Inc.  
1115 Gilman Avenue  
Marietta, OH 45750  
Attn: Mr. Kevin Welch

## ATTACHMENT

GULF STATES UTILITIES COMPANY  
River Bend Station - Unit 1  
Report of a Defect Per 10CFR21  
Connex Pipe Systems, Inc.

1. Name and address of individual(s) informing the NRC:

Mr. J. C. Deddens, Senior Vice President,  
Gulf States Utilities Company

Address: Post Office Box 220  
St. Francisville, LA 70775

2. Identification of the facility, the activity, or the **basic component** supplied for the facility or activity which fails to comply or contains a **defect**:

The **basic component** containing a **defect** was a forged replacement elbow, Connex sketch E-8634-1. The specified location of the elbow is at the first elbow off of reactor pressure vessel feedwater nozzle N4A.

3. Identification of the firm constructing or supplying the **basic component** which fails to comply or contains a **defect**:

Connex Pipe Systems, Inc.  
1115 Gilman Avenue  
Marietta, OH 45750

4. Nature of the **defect** or failure to comply and the **safety hazard** which is created:

The **defect**, revealed by Ultrasonic testing (UT) of the forged elbow involved numerous areas where the required code and design minimum wall thickness was not maintained. The nominal wall thickness was 0.688 and the code minimum thickness was 0.535". The minimum wall thickness measured was 0.378". Because GSU discovered this **deviation** prior to installation there was no operational impact. However, due to the gross reduction in wall thickness a **substantial safety hazard** could have been created had this defect remained uncorrected because the specified location is the first elbow off of reactor pressure vessel feedwater nozzle N4A, an unisolable portion of the reactor coolant pressure boundary.

5. The date on which the information of the **defect** or failure to comply was obtained:

A condition report (CR) was issued indentifying the minimum wall violations on June 5, 1992. GSU's evaluation of the condition per 10CFR21 determined the condition to be reportable on June 18, 1992.

6. In the case of a **basic component** which contains a **defect** or fails to comply, the number and location of all the components in use at, supplied for, or being supplied for one or more facilities or activities subject to the regulations of 10CFR21:

The affected **basic component** is the forged elbow, Connex sketch E-8634-1, supplied to GSU as a one-time replacement part.

7. The corrective action which has been, or will be taken; the name of the individual or organization responsible for the action; and the length of time that has been or will be taken to complete the action:

GSU returned the forged elbow to the supplier. The component was reworked to ASME III, NB-4130 and returned to GSU.

8. Any advice related to the **defect** or failure to comply about the facility, activity, or **basic component** that has been, is being, or will be given to purchasers or licensees:

Not applicable.