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January 8, 1980

D. L. ASWELL
Vice President-Power Production

LPL 12813
0-3-A20.03.13

Mr. Karl V. Seyfrit, Director, Region IV
U. S. Nuclear Regulatory Commission
Office of Inspection and Enforcement
611 Ryan Plaza Drive, Suite 1000
Arlington, Texas 76011

SUBJECT: Waterford SES Unit No. 3
Docket No. 50-382
IE Bulletin No. 79-02
(Revision No. 2)

REFERENCES: (1) Letter LPL 11505 dated July 9, 1979
(2) Letter LPL 12477 dated November 21, 1979

Dear Mr. Seyfrit:

In response to the subject bulletin, we would like to further confirm our responses to the original bulletin as well as Revision No. 1 concerning the design and installation of base plates, using concrete expansion anchor bolts to support Seismic Category I piping systems. As previously addressed, the following has been further verified:

1. The base plate flexibility is accounted for in the calculation of anchor bolt loads.
2. This project has used only wedge type concrete expansion anchor bolts.
3. The bolts are designed to withstand seismic loads.
4. The OC documentation for each base plate has included the number of anchor bolts, bolt size, embedment length and torque magnitude applied. In addition, plate bolt hole size, bolt spacing and bolt edge distance in a concrete member are specified on a design drawing.

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Mr. Karl V. Seyfrit

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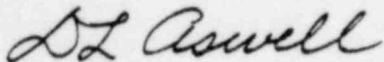
Also as addressed in the response to IE Bulletin 79-14, the as-built piping support locations will be documented by the piping contractor (Tompkins-Beckwith), and a functional verification of supports will be performed by the design engineer (Ebasco). Prior to system turnover, a final check of the supporting structural elements will also be performed by the design engineer (Ebasco), to ensure the adequacy of structural strength to sustain the required support reactions as noted in IE Information Notice No. 79-28.

As requested of holders of construction permits, Items 5 and 6 of the subject bulletin are also addressed below:

5. This project used and will use expansion anchor bolts only in reinforced concrete walls to attach piping supports in seismic Category I systems. Therefore, no further discussion will be pursued.
6. This project has used and will use expansion anchor bolts only to attach base plates to reinforced concrete structure for piping supports in Seismic Category I systems. This project has not used and will not use expansion anchor bolts to connect structural steel shapes directly to the supporting structure. Therefore, no further discussion will be pursued.

If you have any questions, please advise.

Yours very truly,



D. L. Aswell

DLA/JFK/ddc

cc: U. S. Nuclear Regulatory Commission
Office of Inspection and Enforcement
Division of Reactor Construction Inspection
Washington, D. C. 20555