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UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION II
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AUG 10 1979

In Reply Refer To:
RII:JPO
50-339
50-404
50-405

Virginia Electric and Power Company
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Gentlemen:

Enclosed is IE Bulletin No. 79-02, Revision 1, Supplement No. 1, which is forwarded to you for information. No written response is required. If you desire additional information regarding this matter, please contact this office.

Sincerely,

James P. O'Reilly
Director

Enclosures:
1. IE Bulletin No. 79-02,
Revision No. 1
(Supplement No. 1)
2. Listing of IE Bulletins
Issued in Last Six Months

AUG 2 0 1979

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UNITED STATES
NUCLEAR REGULATORY COMMISSION
OFFICE OF INSPECTION AND ENFORCEMENT
WASHINGTON, D.C. 20555

August 20, 1979

IE Bulletin No. 79-02
Revision No. 1
(Supplement No. 1)

PIPE SUPPORT BASE PLATE DESIGNS USING CONCRETE EXPANSION ANCHOR BOLTS

Description of Circumstances:

The supplement to IE Bulletin No. 79-02 is intended to establish criteria for the evaluation of interim acceptability of plant operation with less than the design factors of safety for piping supports due to as-built problems, under design, base plate flexibility, or anchor bolt deficiencies.

In the reviews for system operability of the Duane Arnold and Crystal River facilities, criteria have been developed by the NRC staff that defines pipe support operability. The criteria has been applied in lieu of other analysis or evaluation. Specifically, the licensees identified problems with pipe supports in which the original design factors of safety were not met but some lesser margin was available. The design margins of four or five are intended to be final design and installation objectives but systems may be classed as operable on an interim basis with some lesser margin providing a program of restoration to at least the Bulletin factors of safety has been developed. Facilities which fall outside the operability criteria are considered to probably require a Technical Specification exception and will require review on a case by case basis.

Action to be Taken by Licensees:

For the following two cases, plant operation may continue or may begin:

a. For the support as a unit, the factor of safety compared to ultimate strengths is less than the original design but equal to or greater than two.

b. For the anchor bolts the factor of safety is equal to or greater than two and for the support steel the original design factor of safety compared to ultimate stren

The above criteria may be ap pports
graded to design margins of e-
and by the next refueling fo s
fined in Bulletin No. 79-14
of the plant which can be en