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 AUTH. NAME: AUTHOR AFFILIATION
 VAN BRUNT, E.E. Arizona Public Service Co.
 RECIP. NAME: RECIPIENT AFFILIATION
 SPENCER, G.S. Region 5, San Francisco, Reactor Construction & Engineer

SUBJECT: Interim deficiency report re assumption in containment fuel transfer housing tube design. Revised calculation will be completed by 810301. Final report will be submitted by 810401. *m/A*

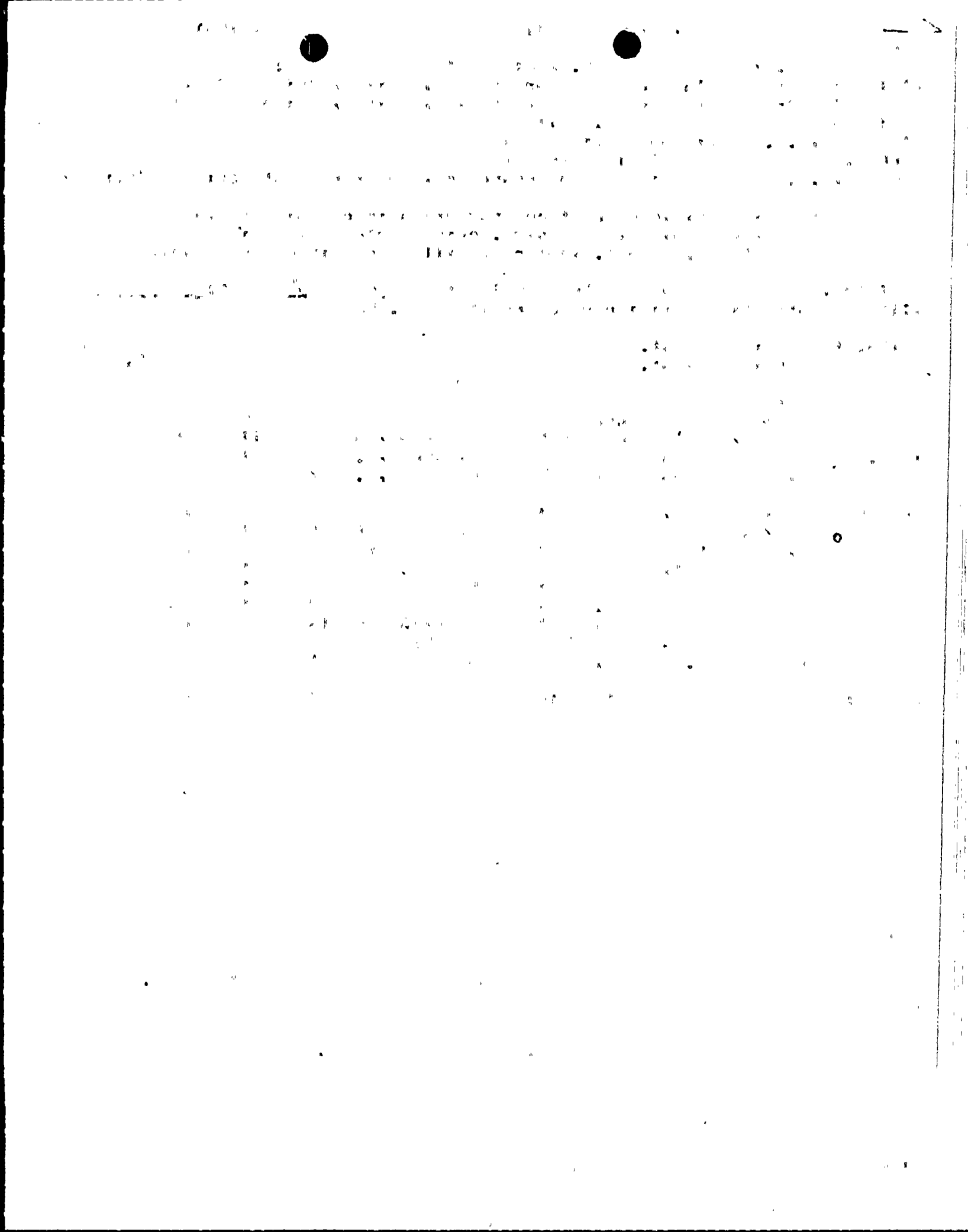
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NOTES: Standardized Plant. 05000528
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ARIZONA



PUBLIC SERVICE COMPANY

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January 12, 1981
ANPP-17065-BSK/JAR

U. S. Nuclear Regulatory Commission
Region V
Walnut Creek Plaza - Suite 202
1990 North California Boulevard
Walnut Creek, California 94596

Attention: Mr. G. S. Spencer, Chief
Reactor Construction and
Engineering Support Branch

Subject: A 50.55(e) Reportable Deficiency Relating to a
Deficiency in the Containment Fuel Transfer
Housing Tube Design
Interim Report
File: 81-019-026; D.4.33.2

Reference: Telephone Conversation between J. Eckhardt and
B. S. Kaplan on December 30, 1980 (DER 80-47)

Dear Sir:

The NRC was notified of a reportable deficiency in the referenced telephone conversation. At that time, it was estimated that a final report would be available within thirty (30) days.

Due to the extensive investigation and evaluation required, an interim report is attached. It is now expected that this information will be finalized by April 1, 1981, at which time a complete report will be submitted.

Very truly yours,

E. E. Van Brunt, Jr.
APS Vice President
Nuclear Projects
ANPP Project Director

EEVBJr/BSK:skc

Attachment

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5/11

8101210 330

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U. S. Nuclear Regulatory Commission
Region V.
Attention: Mr. G. S. Spencer, Chief
ANPP-17065-BSK/JAR
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cc: Victor Stello, Jr., Director
Office of Inspection and Enforcement
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

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INTERIM REPORT
REPORTABLE DEFICIENCY
ARIZONA PUBLIC SERVICE COMPANY (APS)
PVNGS UNITS #1 and #2

I. Potential Problem

As a result of Bechtel's Quality Assurance Bulletin, QAB 166-80, the fuel transfer tube housing calculation was reviewed for applicability. During the course of this review, a deficiency was identified in the assumptions to transfer the design loads to the supporting ring plate and embed plate.

The assumed conditions of fixity at the ring plate to embed plate junction, and pinned at the ring plate to housing junction, do not adequately represent existing conditions. The use of more realistic boundary conditions could result in stresses which exceed allowables in local areas of the housing, ring plate, and welds.

II. Approach To and Status Of Proposed Resolution

The area of the transfer tube housing under consideration will be reanalyzed using the proper boundary conditions to determine the stresses in the housing, ring plate and welds. If necessary, the reanalysis will also include the use of stiffener plates to reduce stresses below allowable limits.

Investigation and reanalysis have begun. A revised calculation demonstrating that the stresses are below allowable limits or a recommended modification in order to reduce unacceptable stress levels will be completed by March 1, 1981.

III. Projected Completion of Corrective Action and Submittal Date of the Final Report

If a modification to existing conditions is required by reanalysis, a design change package will be implemented so that the design meets all established criteria.

A final report is forecast to be completed by April 1, 1981.

