

TVA EMPLOYEE CONCERNS
SPECIAL PROGRAM

REPORT NUMBER: 237.6

REPORT TYPE: Rationale For Non-Inclusion
as Restart Item

REVISION NUMBER: 0

TITLE: Casing of Current Transformers

PAGE 1 OF 3

REASON FOR REVISION:

PREPARATION

PREPARED BY:

T. L. Sarver (see Sheet 2 for signature) 10-10-86
SIGNATURE DATE

C. W. Jordan (see Sheet 2 for signature) 10-10-86
SIGNATURE DATE

REVIEWS

PEER:

SIGNATURE DATE

TAS:

[Signature] 12/5/86
SIGNATURE DATE

CONCURRENCES

[Signature] 10-24-86
CEG-H: G. R. McNutt DATE

[Signature] 12-08-86
SRP: SIGNATURE* DATE

APPROVED BY:

[Signature] 12-8-86 N/A
ECSP MANAGER DATE MANAGER OF NUCLEAR POWER DATE

CONCURRENCE (FINAL REPORT ONLY)

*SRP Secretary's signature denotes SRP concurrences are in files.

2085T

SEQUOYAH NUCLEAR PLANT
ENGINEERING RELATED EMPLOYEE CONCERNS
SPECIAL PROGRAM
NON-RESTART JUSTIFICATION SUMMARY

SUBCATEGORY/ELEMENT 237.6

The employee concern regarding current transformer (CT) gasing and the resulting need for sampling is not a restart item for the following reasons:

- a. Sampling of the CTs' oil for gas content is a planned activity. Therefore, the unavailability of one of the offsite sources will be known in advance and precautions can be taken to minimize any adverse effects.
- b. The CTs are part of the transmission system and not part of the class 1E safety systems of SQN.
- c. Multiple offsite sources exist at SQN, therefore loss of one source due to failure of a CT will not jeopardize plant safety or operation. Additionally, complete loss of offsite power is a design basis condition.

ATTACHMENT: List of Issues for Electrical

ELEMENT NO. 237.6

Date: 09/09/86

Evaluator Thomas L. Lane

Date 10/10/86

Resp. Mgr. Paul Jordan

Date 10/10/86

ECEG-H for George R. M. [unclear]

Date 10-24-86

SQL RESTART - NO

LIST OF ELECTRICAL ISSUES

ELEMENT NUM 17.6

BY: T. Sarver
Date: 09/09/86

CONCERN NUMBER(S)

WI-85-060-ND2
"TVA's problem with gasing of current transformers has led to outages of line and bus ties to obtain oil samples and determine gasing condition."

Gasing of Current Transformers

ISSUES

ELEMENT WHERE ADDRESSED

RESPON-SIBLE

GENERAL APPROACH/METHODOLOGY FOR ELEMENT REPORT

1. Current transformer is "gasing" (generating explosive gases within) which leads to outages of lines and bus ties.
2. Outages are required to obtain oil samples to monitor gasing conditions.

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1. Review TVA program for monitoring of CT gases.
2. Establish effects of failure.
3. Check industry sources for similar occurrences.
4. Review TVA plans to evaluate the need for manual sampling.
5. Explore industrial response to problem.
6. Compare TVA's approach/solution with industries.

DOCUMENTS NEEDED FOR REVIEW

1. TVA studies/report
2. Supplier studies/reports
3. Current articles and publications on this subject.