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ATTACHMENT 1
SURREY POWER STATION, UNIT NO. 1
DOCKET NO: 50-280
REPORT NO: 82-081/03L-0
EVENT DATE: 08-23-82

TITLE OF THE EVENT: FT-1-495 Failed

1. DESCRIPTION OF THE EVENT:

With the unit at 100% power, steam flow detector FT-1-495 failed low. This is contrary to Tech. Spec. Table 3.7.2 and is reportable per T.S. 6.6.2.b(2).

2. PROBABLE CONSEQUENCES and STATUS of REDUNDANT EQUIPMENT:

Each main steam line has 2 steam flow detectors that are used in conjunction with a low Tavg or low steam line pressure signal to initiate safety injection for steam line break protection.

The redundant steam flow channel was operable, therefore the health and safety of the public were not affected.

3. CAUSE:

Steam flow detector FT-1-495 failed low because the channel power supply failed.

4. IMMEDIATE CORRECTIVE ACTION:

The associated bistables were placed in the trip mode and remained tripped until the channel was returned to service.

5. SUBSEQUENT CORRECTIVE ACTION:

The failed power supply was replaced.

6. ACTION TAKEN TO PREVENT RECURRENCE:

The faulty power supply was installed in February of this year. This power supply is a new type installed in conjunction with a design change and is the first of this type to fail, therefore this event is considered random and no further actions are necessary.

7. GENERIC IMPLICATIONS:

None.