WATTS BAR NUCLEAR PLANT
TECHNICAL INSTRUCTIONS

TI-31.7.0

TOTAL AUXILIARY BUILDING EXTERNAL LEAKAGE

| Rev. By | Rev. No. | Date | Revised Pages |
|---|---|---|---|
| | 0 | 11/10/87 | All |

The last page of this instruction is number 2.

OS/6

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|---|---|
| 1C | Plant Master File |
| 1C | Superintendent |
| | Assistant Superintendent |
| 1C | Mechanical Maintenance Supervisor |
| 1C | Results Supervisor |
| 1C | Operations Supervisor |
| 1C | Quality Assurance Supervisor |
| 1C | Health Physicist |
| | Administrative Supervisor |
| | Chemical Laboratory |
| 1C | Instrument Shop |
| | Shift Engineer's Office |
| 2C | Unit Control Room |
| | Health Physics Laboratory |
| 1C | PSU Supervisor |
| 1C | Mechanical Engineer |
| | Reactor Engineer |
| | Chemical Engineer |
| 1C | Instrument Maintenance Supervisor |
| 1C | Asst. Director of Nuc Power (Oper) |
| | Electrical Maintenance Supervisor |
| | Plant Industrial Engineer |
| 1C | Outage Director |
| 1U | NRC |
| 1C | Nuclear Safety Review Staff |
| 1C | P PROD Training Center - Sequoyah |
| 1U | Plant Training Office |
| 1C | Instrument Engineers |
| 1U | Supv. Reactor Systems Group |

Prepared By S. L. Linginfelter

Submitted By _____ Supervisor

PORC Review 11/10/87 Date

Approved By _____ Superintendent

Date Approved 11/10/87

OS/6

# TOTAL AUXILIARY BUILDING EXTERNAL LEAKAGE

## 1.0 SCOPE

This technical instruction is used to compute the combined external leakage to the Auxiliary Building of all systems that may contain contaminated liquids during an accident or serious transient. Each system considered to have this possible leak problem is to be visually inspected in operation and any leakage will be identified, quantified, and repaired if the leakage is not acceptable. The individual system inspections will be performed annually in the adjoining TI-31.7 series and the results of these instructions added to determine the combined external leakage and recorded in this instruction. A current copy of this instruction will be maintained in the Shift Engineer's Office in a notebook titled "External Leak Rates" and will be available for use in an emergency situation. A copy of this TI will be sent to the NRC through the Director of Nuclear Power. This data shall be submitted to the Director's Office no later than February 1 of the following year.

## 2.0 REFERENCES

DPM N80M4 revised 6/12/81
NUREG 0578 Item 2.1.6.A

## 3.0 PREREQUISITES

The following TI's have been completed for the annual term.

TI-31.7.1 AB Containment Spray System External Leakage
TI-31.7.2 AB Safety Injection System External Leakage
TI-31.7.3 AB Residual Heat Removal System External Leakage
TI-31.7.4 AB Chemical and Volume Control System External Leakage
TI-31.7.5 AB Reactor Coolant Sample System External Leakage

## 4.0 INSTRUCTIONS

4.1 Complete data sheet 1 using the data sheets from the appropriate TI listed in 3.0.

4.2 Forward a copy of completed data sheet 1 to the Operations Section for filing in the "External Leak Rates" notebook.

4.3 Forward a copy of completed data sheet 1 to the Director of Nuclear Power for transmittal to NRC.

4.4 The original data package is to be transferred to the life time record storage.

## 5.0 ACCEPTANCE CRITERIA

The acceptance criteria for each individual system's TI shall be met.

# EXTERNAL LEAK RATES

## DATA SHEET 1

DATE _____ UNIT _____

| TI NO. | SYSTEM | DATE OF TEST | SYSTEM EXTERNAL LEAK RATE | |
|---|---|---|---|---|
| 31.7.1 | CSS | _____ | _____ | GPM |
| 31.7.2 | SIS | _____ | _____ | GPM |
| 31.7.3 | RHR | _____ | _____ | GPM |
| 31.7.4 | CVCS | _____ | _____ | GPM |
| 31.7.5 | RC Sample | _____ | _____ | GRM |
| | TOTAL A.B. EXTERNAL LEAKAGE | _____ | GPM | |

Data Verified By: _____
Mechanical Engineer

Remarks and Comments: _____