



# UNIVERSITY OF FLORIDA

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May 11, 1995

## UFTR Safety Analysis Report Revision 8, 5/95

Document Control Desk  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555

Dear Sir/Madam:

Re: University of Florida Training Reactor (UFTR)  
Facility License: R-56; Docket No. 50-83

The enclosed package contains Revision 8 pages for the UFTR Safety Analysis Report dated January, 1981 submitted as part of our relicensing effort. Revision 8 consists of changes to two pages. The revision has resulted from the need to make certain minor changes in the schematics describing the UFTR Secondary Water Cooling System to reflect modifications that have been implemented. There were no textual changes required in the Safety Analysis Report. All changes have been reviewed by UFTR management and the UFTR Safety Review Subcommittee and are not considered to involve any unreviewed safety question or to impact the UFTR Safety Analysis as outlined below.

The first change is included on Page 5-9 in Figure 5-5 entitled "Schematic of UFTR Secondary Water Cooling System" to reflect installation of a flowmeter and flowswitch and removal of the previously installed slip union and pressure switch for the city water secondary cooling supply line. This change was evaluated and determined not to involve any unreviewed safety questions per 10 CFR 50.59 Number 93-09.

The second change is included on Page 9-7 in Figure 9-3 entitled "UFTR Secondary Water Cooling System." This change is the same as that described in the previous paragraph.

This installation of a flowmeter on the city water side of the secondary piping is to allow an accurate determination of flow in the city water cooling mode. The installation of the throttle valve is to allow for improved controllable throttling characteristics for the city water cooling mode. This installation was completed in November, 1993.

These changes to the city water secondary cooling system were recommended by the Reactor Safety Review Subcommittee following an unscheduled trip upon loss of this city water cooling flow during a surveillance (temperature coefficient measurement) conducted on November 18, 1991. Subsequently, these changes were committed to be implemented before the city water cooling mode could be used again per a Final 14-Day Report (Unscheduled Reactor Trip on Loss of Secondary Flow) submitted to the Nuclear Regulatory Commission and dated November 27, 1991.

As indicated, these Revision 8 changes have been fully reviewed by UFTR management and by the Reactor Safety Review Subcommittee to assure no unreviewed safety questions were involved per a 10 CFR 50.59 evaluation and determination and so are not considered to relax the requirements for assuring protection of the health and safety of the public and of the reactor facility. The changes simply update the Safety Analysis Report.

The entire enclosure consists of one signed original letter of transmittal with enclosure plus ten copies of the entire package. If further information is required, please advise.

Sincerely,

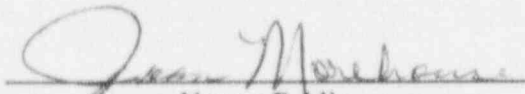


William G. Vernetson  
Director of Nuclear Facilities

WGV/dms  
Enclosures

Copies: USNRC Region II  
T. Michaels, NRC Senior Project Manager  
Reactor Safety Review Subcommittee  
D. Simpkins, UFTR Reactor Manager

Sworn and subscribed this 11<sup>th</sup> day of May, 1995.

  
Notary Public

JOAN MOREHOUSE  
MY COMMISSION # CC302416 EXPIRES  
August 27, 1997  
BONDED THRU TROY FAIR INSURANCE, INC.

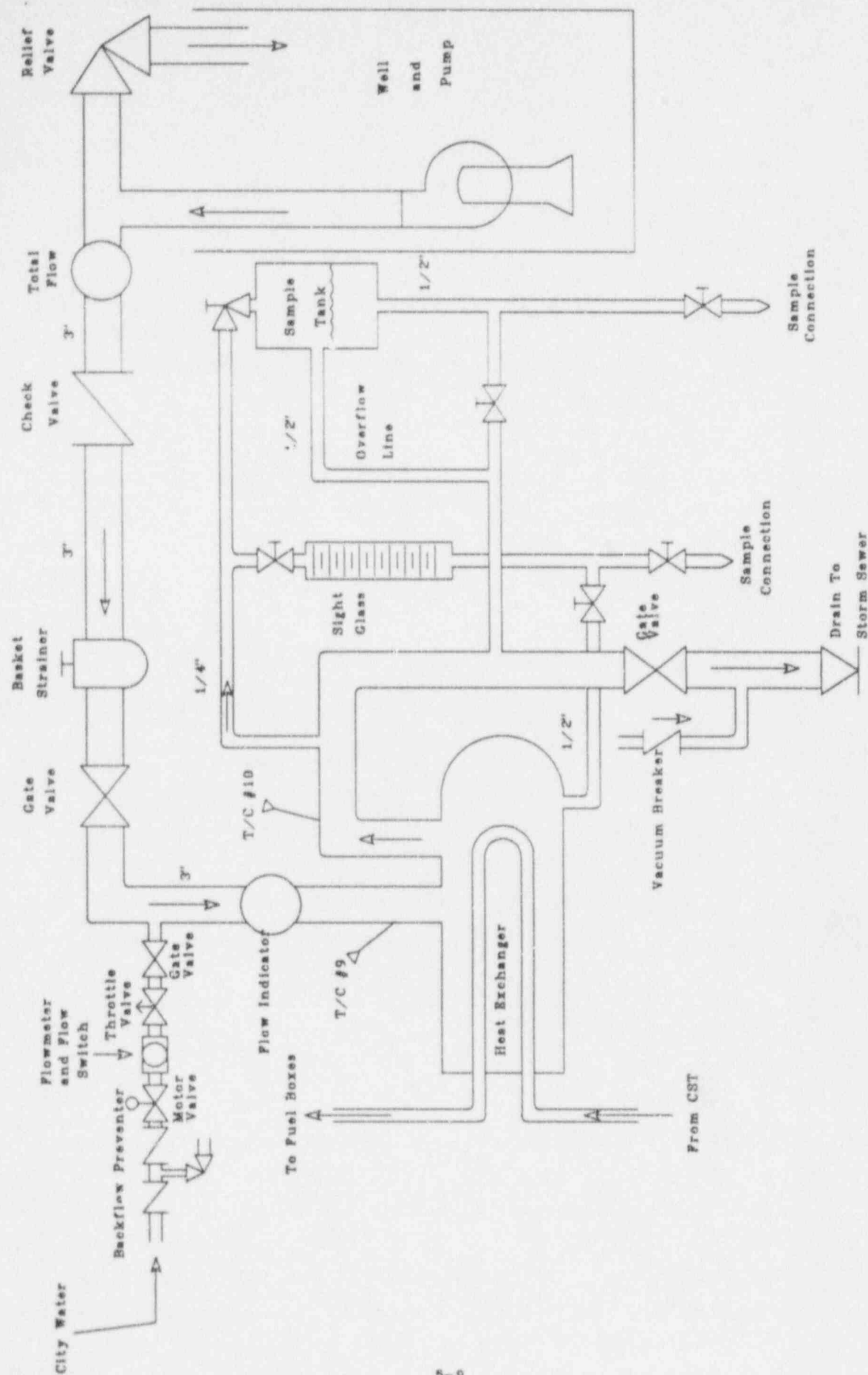


Figure 5-5. Schematic of UFTR Secondary Water Cooling System.

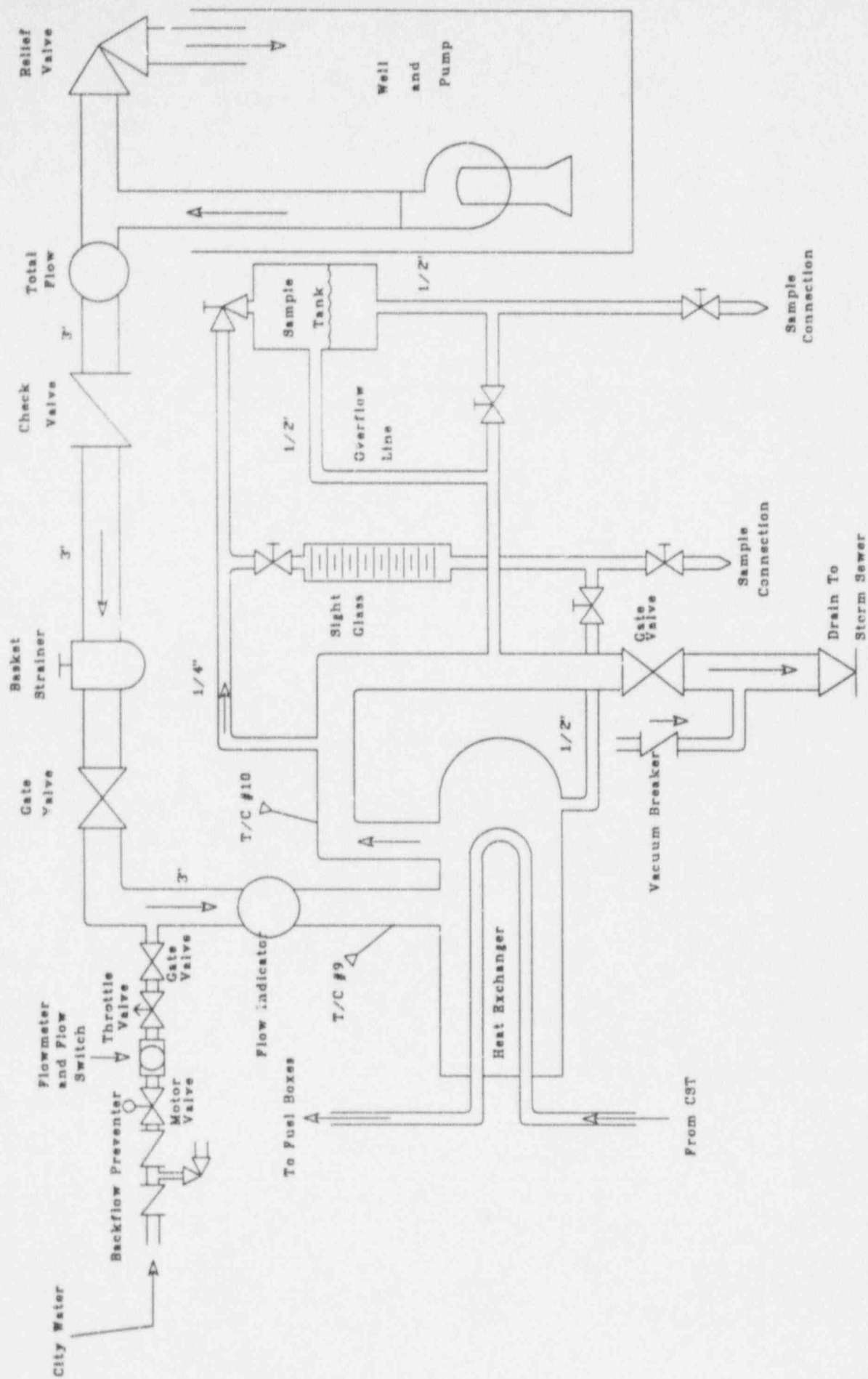


Figure 9-3. UPTR Secondary Water Cooling System.