

TECHNICAL NOTE **WORK REQUEST NO: 17405**

Install flow orifice and transmitter for RF load in waveguide mounted above linac water station L1:WS1.

Engineer: R. Dortwegt

Chief Technician: R. Ferry (work supervisor)

Radiation Safety System: no

Red tag: no

When performing this work:

1. No work shall until the engineer and chief technician have discussed the work.
2. Measure normal flow through water circuit prior to beginning work so that flow orifice size can be chosen.
3. Close the supply and return valves to the water circuit and perform LOTO on both.
4. When using lifts, use care and provisions learned in training classes for the man lifting devices that are being used.
5. Verify that the voltage at the contacts on the existing plunger type flow meters is less than 50 volts.
6. When replacing the existing plunger flow meter, it may be necessary to solder a section of copper tubing in the line. Care should be taken with open flames and proper PPE should be worn.
7. Wire PLC per instructions from R. Putnam and R. Ferry. There must be no exposed 120VAC wiring in the cabinet when making these connections. Perform LOTO on applicable water station.
 - Install lock at disconnect switch mounted on tunnel wall behind station
 - Verify inside water station panel in accordance with NFPA-70E