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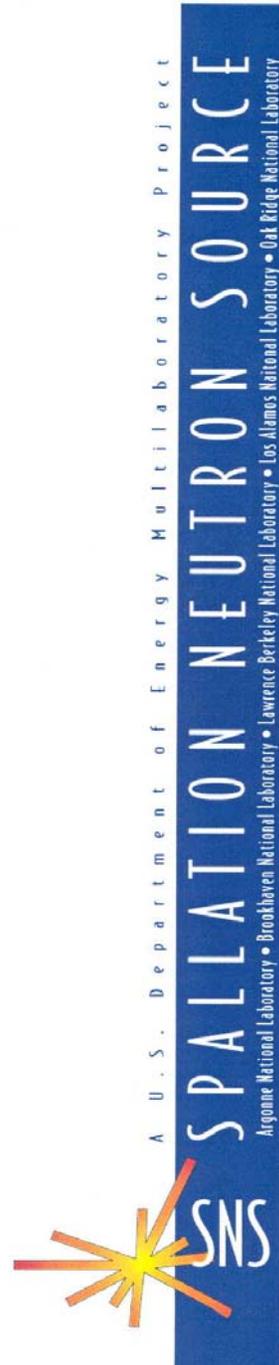
Spallation Neutron Source

FELK Air & Waste Systems Functional System Design (FSD)

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FELK Building Air and Waste Controls Description TD8009 Rev 1

Operating Philosophy

Purpose:

The purpose of the air and waste systems operation is to:

- a) Provide an operator indication of the air pressure on the 2 inch compressed air header in the Klystron building
- b) Provide high level operator alarms (driven by level switches) for the sump in the Linac tunnel and the six sumps in the Klystron building.

Assumptions: There are two pumps and one level switch in each sump. Control of these pumps is provided by local control equipment that is provided by the General Contractor and has no interface with CF Controls level switches in the sumps.

Operator Controls and Operating Modes

None

OPERATOR INTERFACE DEFINITIONS

Local Hardware/Manual Operator Controls

None

Software HMI/EPICS Digital Operator Controls

None

Software HMI/EPICS Digital Displays

- 1) Level Switch Status for each sump (*LSH 8201, LSH 8300, LSH 8301, LSH 8302, LSH 8303, LSH 8304, LSH 8305*)

Software HMI/EPICS Analog Operator Controls

None

Software HMI/EPICS Analog Displays

- 1) Compressed air header pressure (*PT6300*)

Alarms

- 1) Klystron air header pressure high and low
- 2) Sump level high

Control Logic Description

None

Screens

