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Spallation Neutron Source

Ring Service Building Compressed Air Controls Functional System Design (FSD)

January, 2003

SNS Project Engineer



A U . S . D e p a r t m e n t o f E n e r g y M u l t i l a b o r a t o r y P r o j e c t

SPALLATION NEUTRON SOURCE

Argonne National Laboratory • Brookhaven National Laboratory • Lawrence Berkeley National Laboratory • Los Alamos National Laboratory • Oak Ridge National Laboratory

Ring Service Building Compressed Air Controls Description
TD80020 Rev 0, January 13, 2003

Operating Philosophy

Purpose:

The purpose of the compressed air system operation is to:

- a) Provide an operator indication of the air pressure on the compressed air header in the Ring and RTBT building.

NOTE: The Ring and RTBT compressed air header pressures will be displayed on the Ring Building Overview Display screen and HEBT/RTBT Building Overview Display screen respectively.

Assumptions:

None

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

None

Software HMI/EPICS Analog Operator Controls

None

Software HMI/EPICS Analog Displays

- 1) Ring compressed air header pressure (*PT6600*)
- 2) RTBT compressed air header pressure (*PT6800*)

Alarms

None

Control Logic Description

None