OAK RIDGE National Laboratory | SPALLATION NEUTRON SOURCE

Instrument Training for SNS Users

INSTRUMENT			
	BL-1A | USANS		BL-10 | VENUS
	BL-1B | NOMAD		BL-11A | POWGEN
	BL-2 | BASIS		BL-11B | MANDI
	BL-3 | SNAP		BL-12 | TOPAZ
	BL-4A | MR		BL-13 | FNPB
	BL-4B | LR		BL-14B | HYSPEC
	BL-5 | CNCS		BL-15 | NSE
	BL-6 | EQ SANS		BL-16B | VISION
	BL-7 | VULCAN		BL-17 | SEQUOIA
	BL-9 | CORELLI		BL-18 | ARCS
INSTRUMENT AREA ORIENTATION			
	Normal access to instrument area (doors, path, swing gates, parking, etc)		
	General Instrument area layout; nearby instruments (potential interactions)		
	Identification and location of instrument documents		
	Closest location of exits and safety equipment (fire pull boxes, safety glasses, other PPE, etc.)		
	Posted requirements/controls: • Radiological area postings • Other hazard signage as applicable to the instrument: chemical, cryogenic, thermal, pressure, vacuum, lasers, magnets, motorized or unguarded equipment (pinch points).		
INSTRUMENT OPERATIONS			
	Instrument Personnel Protection System (IPPS) components and basic operation, including how to: • Access sample area • Execute sweep procedure and establish beam permit • Open and close the instrument shutter		
✻	Sample handling at the instrument • Changing a sample • Location of RadEye™G • Local response to RadEye™G alarm • Sample storage location • Detection of and response to sample container breach • Restrictions on opening sample containers		
	Removal of equipment from the IPPS-controlled area		
✻	SAMPLE MANAGEMENT		
	Requirements for sample check-in with Sample Management Staff prior to beam exposure		
	Sample disposition following experiment (checkout process)		
	Restrictions on removal of samples and/or equipment from ORNL		
RESPONSE TO ABNORMAL CONDITIONS AND ALARMS			
	Location of radiological monitors in area and response to alarms		
	Location of Oxygen Deficiency Hazard (ODH) monitors in area and response to alarms		
✻	EXPERIMENT REVIEW		
	Review of Experiment Safety Summary (ESS)—hazards, controls and required personal protective equipment		
	Review of Sample Environment (SE) equipment--operation, hazards, controls, and contacts for problems		

	Review data collection system operation
	Electrical safety (Users may not perform electrical work; user electrical equipment must be approved)
CONTACTS	
	Instrument Hall Coordinators
	Radiological Control Technicians
	Instrument Scientists
	Scientific Associates
	Central Control Room
	Laboratory Shift Superintendent

✓ or NA

RECORD OF COMPLETION		
The User(s) named on this record has received instruction for safe, technical operation of the identified instrument, including orientation to the instrument area, statements of permissions and restrictions, discussion of expectations for sample management, review of response to abnormal conditions and alarms, and communication of hazards and controls.		
Instrument Scientist/Staff Signature:	Badge:	Date:
Following instruction delivered by Instrument Staff, I understand expectations for safe use of the identified instrument. Instrument Staff have responded to my questions and requests for clarification.		
User Name (Print):	User Signature:	
First time use of instrument? YES / NO	User Badge:	Date:
User Name (Print):	User Signature:	
First time use of instrument? YES / NO	User Badge:	Date:
User Name (Print):	User Signature:	
First time use of instrument? YES / NO	User Badge:	Date:
User Name (Print):	User Signature:	
First time use of instrument? YES / NO	User Badge:	Date:
User Name (Print):	User Signature:	
First time use of instrument? YES / NO	User Badge:	Date:

The User(s) named above is conducting experimental work managed as IPTS proposal tracking #: _____

This checklist of topics to be included in User instruction is to be implemented with an instrument-specific *Quick Reference Guide for Users*, which provides detail of the content of instruction and remains with the User to be used as a job aid.

Instrument Staff may assess User knowledge of these topics retained from previous use of the instrument and tailor delivery of training to address knowledge deficiencies. Those topics that are marked with an asterisk, however, are included in training prior to each experiment.