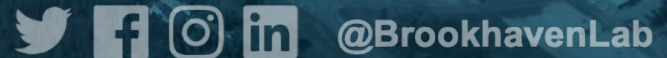




TAKE FIVE for Safety- Work Planning and Control

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Work Planning and Control during Operational Periods

Work Control Coordinator

- Screens the work per Work Planning and Control Subject Area Screening Tool:
 - Worker Planned
 - Permit Planned
 - Prescribed
- Screens the work for USI per OPM 1.10.1
- If the work involves Electrical Hazards:

Electrical Competent Person completes Electrical Planning and Briefing from SBMS

Off-Hours Work- OPM 2.28.1

2.12	Communications Practices	9	Active
2.13	Use of "Do Not Operate" and "Caution" Tags for Equipment and Systems	12	Active
2.16	Procedure to Escort Personnel in C-A Primary Areas, Controlled Areas, Radiological Areas, Posted Magnetic Field Areas, and ODH Areas	21	Active
2.16.a	C-A Briefing Outline and Training Waiver for Persons Under Escort	16	Active
2.16.b	C-A Information Briefing Acknowledgement for Tours in Controlled Areas NOT Requiring a TLD	11	Active
2.19	Response to Water "Make-Up" Alarms	10	Active
2.20	Restarting the Booster Main Magnet Power Supply After an Alarm of the LIPA Pulse Power Monitor Relay (PPMR)	5	Active
2.21	Response to a Trip of the PSEG Pulse Power Monitor Relay (PPMR) Which Interlocks the Booster Main Magnet Power Supply	7	Active
2.22	Power Dip and Power Outage Response Procedure	8	Active
2.23	Lockout/Tagout (LOTO)	1	Active
2.23.a	Form for Removal of Lockout/Tagout (LOTO) by Others	0	Active
2.23.b	Testing of Complex Accountable Key Systems	0	Active
2.27	Release of New and Modified Equipment/Systems To Operations	10	Active
2.27.a	Operations Acceptance of New and Modified Equipment/Systems Checklist	8	Active
2.28	C-A Procedure for Work Planning and Control for Operations, Maintenance and Construction	23	Active
2.28.1	Personnel Call-In and Work Planning, Off Hours	6	Active
2.29	Work Planning and Control for Experiments	12	Active
2.29.d	NSRL Radiobiology Users Experimental Safety Approval Form	0	Active
2.29.e	C-A Experimental Safety Review form for RRPL and BLIP Users	0	Active
2.29.f	NSRL Electronics Users Experimental Safety Approval Form	0	Active
2.29.g	Tandem Users Experimental Safety Approval Form	0	Active
2.36	Operations Lockout	17	Active
2.36.b	Operations Lockout Primary Authorized Employees	20	Active
2.36.i	Typical Operations Lockout Locations For Radiation Safety	0	Active
2.36.j	Operations Lockout for Radiological Protection Log Sheets	0	Active
2.36.k	Form for Removal of C-AD Operations Lockout by Others	0	Active
2.39	Response to a Ground Fault Alarm at C-AD	5	Active
2.42	Liaison Engineer, Liaison Physicist; Project Engineer, Systems Engineer; Liaison Scientist: Roles and Responsibilities for Modifications	11	Active
2.43	Cyber Security -- Controlling the Shared User Account Password for the Linux Workstations	4	Active
2.46	Requirement to Close Vacuum Valves Prior to Access to a Primary Beam Enclosure	0	Active
2.51	Operator Aids	0	Active
2.52	Procedure for Conducting Readiness Reviews	0	Active

Safe Conduct of Research in Rapid-Turnaround Work Planning

- Everyone is personally responsible for ensuring safe operations.
- Staff raise safety concerns because trust permeates the organization.
- Cutting-edge science requires cutting-edge safety.
- A questioning attitude is cultivated.
- Hazards are identified and evaluated for every task, every time.
- A healthy respect is maintained for what can go wrong.

Key Messages

- The Planning must ensure conformance with complex requirements in SBMS, including (but not limited to) Work Planning and Control, Accelerator Safety, Electrical Safety, Lockout-Tagout.
- The screening and planning process is the same, regardless of the time of day, or urgency of the need.
- The time pressure during operating periods is a significant stressor; The Work Planning rules do not adjust for this.
- ESSHQ shares the desire to minimize down-time.
- SBMS/C-AD Procedures provide no short cuts.