Tour Safety Checklist

FRIB-S10300-FM-000114-R002

Issued 06 January 2023

Prepared by Approved by



**Table of Contents not needed.**

Revision History

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| Revision | Issued | Changes |
|  | 15 December 2014 | Supercedes T10401-FM-000028. Updated WBS and added SRF HB to list.  |
|  | 06 January 2023 | Updated template from NSCL/FRIB to FRIB. Added additional tour locations and notification to Area Coordinator/Area Managers for all locations. |

Authorizing Document

Laboratory Environmental, Safety, and Health Plan (FRIB-S10300-PL-000149).

Authorized Documents

None.

Authorized Committees and Boards

None.

Named Program Roles

None.

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| **Tour Safety Checklist** |
| **Tour Guide: Tour Group: Date:** |
| **Tour Type (Please circle):** Business-Related Educational |
| **Circle tour stops: (Data-U & Control Room non-restricted)** **ReA3 High Bay\*****ReA6 Exp. Vault\* (Solaris)****ReA12 High Bay** **Reaccelerated Beams Area\*\*****Remote Handling Test Area****S2****S3 (S800)\*\*****SRF Highbay****Vertical Pre-separator (VPS)\*\*****Low Energy Area\*****K500\*****N2/N3\*****N4 (Gas Stopper)\*****Rack Room (1624)****Front End\*****HRS****Isotope Harvesting Area****Machine Shop****Linac Tunnel****A1900 (Transfer Hall)\*****CAB****East High Bay (EHB)\*****East High Bay Extension****East Loading Bay** |
| **Hazards Acceptable Details Initials** |
| Ambient Conditions* Ventilation and temperature
* Sound level
* Lighting
* Temperature extremes
* Oxygen Deficiency Hazards (ODH)
 |  |  |  |
| Material Handling* Bridge crane operating
* Overhead work
* Forklift use
* Bulk material handling
* Overloaded storage spaces/racks
* Unsafe or unstable storage
 |  |  |  |
| Electrical Safety* Open energized electrical enclosures
* Magnetic field hazards
 |  |  |  |
| Housekeeping* Floor damage or openings
* Egress path obstruction
* Aisle widths adequate (>36”)
* Liquid or material spills
* Clutter (tripping hazard)
 |  |  |  |
| Physical Hazards* Unguarded accessible moving parts
* Construction related work
 |  |  |  |
| Fall Protection* Overhead openings – dropped materials
* Lack of guardrails
 |  |  |  |
| Emergency Response* Egress path blocked
 |  |  |  |
| Chemical Safety* Open flammable or toxic materials
* Is there appropriate warning signage for areas containing chemicals?
 |  |  |  |
| Radiation Safety* Measured exposure rates along the tour route must be low enough to ensure that a dose of no more than 2 mrem in an hour will be obtained. Expsoure rates less than 2 mR/hr will ensure this (this assumes the tour lasts less than an hour). Use an **Ion Chamber** from the Safety Office.

Model number: Serial number:Background reading: mR/hr |  |  |  |
| **\* Potential Magnetic Field: Tourists Notified of Potential Magnetic Field?** |  |
| **\*\* Open Stairs: Tourists Notified of Potential Walking Hazard with Heels?** |  |
| **WCP submitted for ALL areas to be visited for Area Coordinator notification? ALL Area Coordinators notified via email for same day tours?** |  |
| **Tour Guide Signature:** |