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:** | | | |