

THIS DOCUMENTS IS REQUIRED
READING FOR ANY PERSONNEL
PERFORMING WORK IN NSC
LABORATORIES

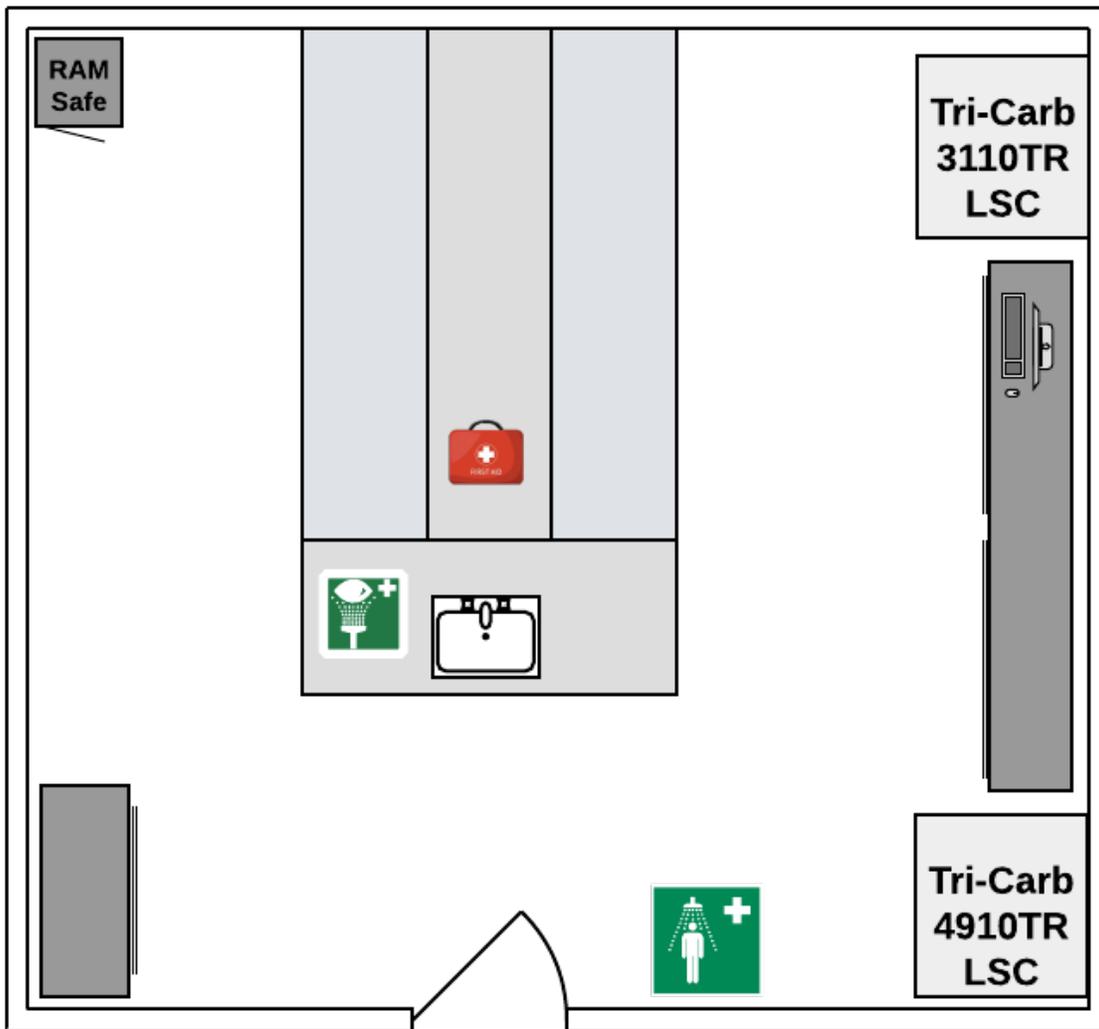
Laboratory Standards

Dodgen Laboratory Room 215
NUCLEAR SCIENCE CENTER
Rev. 1, 4/2025

Washington State University
Dodgen Research Facility

1 LABORATORY LAYOUT

The DRF-215 laboratory (215) houses two liquid scintillation counters. The liquid scintillation counters are used by NSC staff to analyze swipe papers for radioactive contamination. All lab work shall be performed on lab paper on a lab tray. Lab users are to frisk out before leaving the lab.



Dodgen Research Facility - 215

2 GENERAL RULES

- 2.1 Utilize best laboratory practices at all times.
- 2.2 Frisk out of the lab prior to exiting DRF-215.
- 2.3 When working with radioactive material, follow the guidelines and regulations contained in the WSU Radiation Protection plan and the Nuclear Radiation Center Radiation Protection Plan.
- 2.4 Lab benchtop space is considered at a premium, all work with radioactive material shall be done on a lab tray covered in lab paper. Clean up and survey immediately after you are done with the workspace.
- 2.5 A lab safety binder is maintained in the lab. Refer to it for chemical hygiene and emergency preparedness.
- 2.6 A quarterly lab check / cleaning is performed by a licensee or appropriately trained person until a PI takes over the lab space. See the section titled "Lab Checks" for procedures that are performed.

3 LAB CHECKS

A licensee will perform the following checks and laboratory duties on a regular basis.

This list is to be performed in the order below.

- 3.1 **WEEKLY:** Check safety shower and eye wash stations for proper operation. Fill out the safety check form.
- 3.2 Check all benchtops for cleanliness and debris. Make sure they are clean.
- 3.3 Wipe down cabinets and all painted hood surfaces with a damp towel.
- 3.4 Check that all radioactive material is stored appropriately, and that radioactive trash is disposed of and not overflowing. Box and replace rad trash boxes during this time as needed.
- 3.5 Swiffer the entire lab.

4 CERTIFICATE OF EMPLOYEE TRAINING

**Name and title of person providing laboratory safety training: Zachariah Heiden
(associate director)**

- Names and training dates can be found in the LSC training documentation binder next to the computer of the Tri-Carb 3110TR liquid scintillation counter.
- The names and dates of approved users are shown in a single sheet holder on the bench between the liquid scintillation counters.