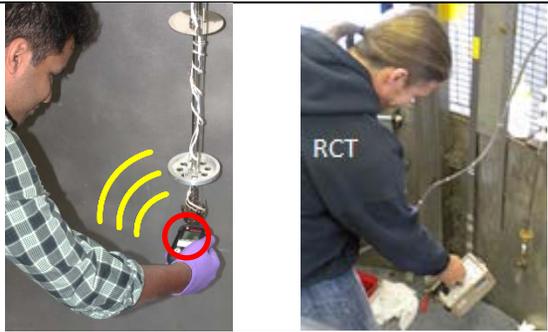


Removing Samples from Beamline 11a

| Potential hazards while performing these activities: | |
|---|---|
|  Radiation Hazard | This activity involves components that have radioactivity or have been exposed to neutron radiation. |
|  Chemical Hazard | This activity involves handling samples that may have chemical hazards associated with them. |
| Preventions to reduce exposure to hazards: | |
| Follow all instructions as written on the Experiment Safety Sheet, Job Hazard Analysis, or other provided work control. | |
|  Gloves | Nitrile gloves are required at a minimum for protection against exposure to chemical hazards, which may be present if a sample container becomes compromised. |
|  Additional PPE | Safety glasses recommended. Wear insulating gloves when handling samples that may be cold (from a cryostat) or hot (from a furnace). |
| Caution: | |
| If at any time the sample container becomes compromised or damaged, contact the Radiological Control Technicians (RCTs) at 865-547-6588 or (865) 574-6590 (Shift RCT Cell Phone: 865-274-8658). | |

| Steps | Pictures |
|--|--|
| 1. Before removing a sample from the instrument, ensure the secondary shutter is closed. |  |
| 2. Remove the sample stick from the instrument. If the sample is leaking or damaged, STOP WORK IMMEDIATELY and contact the RCT. Await further instructions from the RCT before handling the sample. | <p style="color: red; font-weight: bold;">Shift RCT cell phone: 865-274-8658</p> <p style="color: red; font-weight: bold;">RCT office phone numbers: 865-547-6588 or 865-574-6590</p> <p style="color: red; font-weight: bold;">The RCT Office is located in Building 8700, Room TA-225.</p> |
| 3. Measure the sample with the provided RadEye G. |  |
| 4. If sample is less than 2mR/hr, it may be removed from the sample stick. |  |

| | |
|--|--|
| <p>5. If sample is $\geq 2\text{mR/hr}$, STOP WORK IMMEDIATELY and contact the RCT. Await further instructions from the RCT before handling the sample.</p> |  |
| <p>6. Once safe to do so, remove samples from the sample access pit; always check to see if the sample is damaged or leaking. If it is damaged or leaking, STOP WORK and contact the RCT.</p> |  |
| <p>7. Place sample in a bag with the proper ITEMS barcode tag affixed to it.</p> |  |
| <p>8. Place one of the provided "caution radioactive materials" labels on the outside of the bag.</p> |  |
| <p>9. Place the sample in the appropriate storage location at the beamline, on the wooden bench inside the Radiation Materials Area.</p> |  |