

IMPORTANT ENVIRONMENTAL, SAFETY & HEALTH INFORMATION

Activities involving large accelerator equipment such as magnets and other beam-line devices normally include an operation period, a transition period, and a decommissioning period. These activities will occur over a long period of time (decades) and as an owner of this equipment, you should conduct your operations to meet whatever requirements are in place at the time.

The equipment contained herein could contain radioactive and/or hazardous substances long after termination of operations, or could be made radioactive by beam. Brookhaven National Laboratory recommends that you conduct your operations such that you can demonstrate compliance with both local and federal regulations.

Consider the following:

Surveillance and Maintenance Activities

- Surveillance and maintenance activities should be adequate to maintain control of the equipment during operations through final disposition of the equipment.
- Surveillance and maintenance activities should include periodic inspections and maintenance to ensure containment and control of radioactive and hazardous materials and avoid exposure to personnel and the environment.
- An environmental, safety and health risk identification process should be implemented to minimize potential hazards.
- Worker involvement is recommended during the hazard and risk analysis process.

Identification of Legal and Other Requirements

- All legal and other requirements should be identified and a process should be implemented to ensure an acceptable level of environmental protection and risk and include required monitoring and personnel safety equipment.
- Requirements should address appropriate lockout/tagout of equipment, hazardous chemical and radioactive material storage and/or disposal.
- A walkthrough/surveillance process is recommended to verify continuing safe conditions, and physical security measures.

Identification of Records

- A process for collecting and retaining records on appropriate aspects of this equipment's operations may be needed to facilitate decommissioning.
- Records and data to be collected and retained should be determined understanding that the nature and scope of future standards and requirements may change.
- Long term records should include records that document parameters (e.g. beam intensity, repetition rate, pulse length, beam energy, etc.) that would facilitate assessments of the extent of component/materials activation.