

Course Title: RHIC Facility Specific Information for Mechanical Assembly  
(Process/Operation)  
Course Number RC-Env-FS4

**Because this work activity has been identified as having significant potential to impact the environment, this material has been compiled to provide you with the job-specific information that you must know to protect the environment.**

**Please read the following carefully. If you have any questions concerning the material, contact your supervisor or ES&H Coordinator.**

**Environmental Process Evaluation Title:** Mechanical Assembly Ops 525

**Environmental Aspect** Regulated Industrial Waste, Hazardous Waste

**Contacts for the Information** Env. Compliance Rep, Waste Management, ES&H  
Coordinator, Facility Support Rep

**Job Training Assessment Links** RC-31, RC-33  
Cryo, Magnet Fabrication

1) What potential impacts to the environment are associated with your activities (i.e. types of contamination that could impact air or water, generation of excess waste)?

- Soil contamination from improper offsite disposal.

2) What consequences may result if your operations were to impact the environment (i.e. disciplinary action, loss of permits, shutdown of facility)?

- Regulatory noncompliance, fines, violations.

3) What benefits or positive effects would you notice with improved environmental performance (i.e., reduced disposal costs, improved relationships with regulators and public)?

- Satisfying compliance requirements and avoiding fines and violations.

4) What role and responsibility do you have for these potential impacts and environmental performance?

- Dispose of cleaning solvents, epoxies and solder tailings as hazardous waste.
- Recycle cardboard, scrap metal and wood.
- Follow applicable requirements in the following SBMS Environmental Compliance Subject Area (<http://sbms.bnl.gov/>)
  - Hazardous Waste Management (Section 1)

5) What controls or procedures are implemented to reduce the potential for emergency?

- Tier I inspections.
- Bldg. 924 Curing Processes – splash shields to prevent oil leaks; internal procedures (RHIC-OPM 8.1.1.29); vacuum pump bag filter and operational log.
- High level indicators on oil reservoirs/automatic shut off for pump.

6) How would you respond in an emergency to reduce the potential for environmental impact and what actions could be taken to mitigate? (Refer to existing procedures and documents (i.e. the Local Emergency Plan) where applicable)

- Call x2222.

7) What pollution prevention and waste minimization techniques have been or could be considered to reduce or eliminate the potential to impact the environment?

- Recycle cardboard, wood and scrap metal.
- Evaluate less hazardous substitutes for solvents.
- Inventory, consolidate and reallocate unused chemicals.

8) Are there any key Environmental-specific Competency Requirements (Experience, Education, Qualification) for this position?

- Hazardous Waste Generator Training for Supervisors

**Fill Out Reading Acknowledgment Form**