

Course Title: RHIC Facility Specific Information for Staff Shop (Process/Operation)
Course Number RC-Env-FS3

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: Staff Shop Operations 524

Environmental Aspect Regulated Industrial Waste, Atmospheric Discharge

Contacts for the Information Environmental Compliance Rep, Facility Support Rep,
ES&H Coordinator

Job Training Assessment Links RC-06, RC-20, RC-21, RC-22, RC-23,
RC-26, RC-27, RC-30, RC-31, RC-33

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)?

- Negative impact to soil from improper offsite disposal of oil or spill of oil.
- Air contamination from machining and sanding at permitted machine tools.

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)?

- Satisfy compliance requirements and avoid NYS or EPA violation/fines.

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

- Properly dispose of waste oil.
- Complete log books at permitted points of emission.
- Follow applicable requirements in the following SBMS Environmental Compliance Subject Area (<http://sbms.bnl.gov/>)
 - Hazardous Waste Management (Section 1)
 - Non-Radiological Airborne Emissions (Section 2)

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

- Catch basins below nozzles when transferring material from drums into smaller containers.
- Flammable chemical storage cabinets.
- Tier I inspections.

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)

- No specific emergency scenario is likely but, as Laboratory requirements state, call x2222 if an emergency does occur.

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

- Provide metal recycling container at the small machine shops.

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