

Course Title: RHIC Facility Specific Information for Small Scale Tinning-Buss Bar Tinning (Process/Operation)  
Course Number RC-Env-FS5

**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:** Small Scale Tinning-Buss Bar Tinning 527

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

**Contacts for the Information** Environmental Compliance Rep, Waste Management, Environmental Services Division – Subject Matter Expert, Facility Support Rep, ES&H Coordinator

**Job Training Assessment Links** RC-20, RC-33  
(Magnet Production)

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.
- Air pollution onsite and offsite.

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.
- Avoiding fines and violations.

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

- Store solder tailings and scrap metal in a closed container (satellite accumulation area)
- Complete log book for all hood use.
- Dispose of cleaning solvents and solder tailings as hazardous waste.
- Follow applicable requirements in the following SBMS Environmental Compliance Subject Area (<http://sbms.bnl.gov/>)
  - Hazardous Waste Management (Sections 1-3)
  - Non-Radiological Airborne Emissions (Section 2)

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

- Satellite Accumulation Area.
- Tier I inspections.
- Completion of log book when using hood.

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?

- Evaluate less hazardous substitutes for solvents.

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**