

STANDARD OPERATING PROCEDURES FOR HAZARDOUS AND PARTICULARLY HAZARDOUS CHEMICALS

For

Light Bulbs/Tubes Containing Mercury

<p>1. PROCEDURE / PROCESS</p>	<p>EH&S follows the Environmental Protection Agency’s guidelines for cleaning up broken light tubes/bulbs. Below is a step by step procedure.</p> <ol style="list-style-type: none"> 1. Have people leave the immediate area 2. If possible air out the room for 5-10 minutes by opening a window or door to the outdoor environment 3. While the area is airing out collect the materials needed to clean up the broken tube/bulb which includes resealable bag, damp paper towel or disposable wet wipe, and dust pan and broom 4. Sweep the broken glass, aluminum caps, and white phosphor powder into the dustpan and place debris into resealable bag 5. Use damp paper towel or disposable wet wipe to clean surface and place into resealable bag 6. If broken light tube/bulb is in carpet do not vacuum, call EH&S at 335-3041 and we will vacuum using equipment dedicated to mercury contamination 7. Take the resealable bag containing the mercury contaminated debris to established collection area. Each collection area has a 5-gallon bucket with a Dangerous Waste label attached. The label will have “contains broken mercury containing light tubes/bulbs” written on the label. Place the resealable bag into the bucket and place the lid on the bucket. EH&S employees will remove debris periodically during regularly scheduled collections. <p>Don’t worry if these procedures are not followed exactly as they are only precautions that reflect best practices for cleaning up a broken light bulb/tube. The mercury exposure from a light bulb/tube is not large enough to cause health concerns. For more information see the SOP listed above.</p>
<p>2. CHEMICAL NAME(S) and associated PHYSICAL and HEALTH HAZARDS</p>	
<p>3. NAME OF TRAINER / RESOURCE PERSON</p>	<p>Light Bulb/Tube Recycling Program Manager Jason Sampson / EH&S / 335-9564 / sampsonj@wsu.edu</p> <p>Department Resources and Supervisors Chris Fischer / Facilities Operations / 335-9038 / fischercj@wsu.edu Rick Finch / Facilities Operations / 335-3288 / finchr@wsu.edu Charles Hull / Facilities Operations / 335-9059 / cehull@wsu.edu</p>

	Wayne Gregory / Compton Union Building / 335-3015 / wgregory@wsu.edu Bob Tattershall / Housing / 335-7732 / tattersh@wsu.edu Ernie Day / Housing / 335-1541 / daye@wsu.edu Kevin Southwick / Student Recreation Center / 335-3002 / ksouthwick@wsu.edu
4. LOCATION OF HEALTH & SAFETY INFORMATION	MSDS for light tubes/bulbs containing mercury should be available within your show or department. If you can not locate a MSDS contact EH&S and we will help you locate one.
5. PROTECTIVE EQUIPMENT	Use appropriate disposable gloves and close toed shoes.
6. WASTE DISPOSAL PROCEDURES	Each collection area has a 5-gallon bucket with a Dangerous Waste label attached. The label will have "contains broken mercury containing light tubes/bulbs" written on the label. Place the resealable bag into the bucket and place the lid on the bucket. EH&S employees will remove debris periodically during regularly scheduled collections.
7. DESIGNATED AREA INFORMATION	Not Applicable
8. DECONTAMINATION PROCEDURES	<p>EH&S follows the Environmental Protection Agency's guidelines for cleaning up broken light tubes/bulbs. Below is a step by step procedure.</p> <ol style="list-style-type: none"> 1. Have people leave the immediate area 2. If possible air out the room for 5-10 minutes by opening a window or door to the outdoor environment 3. While the area is airing out collect the materials needed to clean up the broken tube/bulb which includes resealable bag, damp paper towel or disposable wet wipe, and dust pan and broom 4. Sweep the broken glass, aluminum caps, and white phosphor powder into the dustpan and place debris into resealable bag 5. Use damp paper towel or disposable wet wipe to clean surface and place into resealable bag 6. If broken light tube/bulb is in carpet do not vacuum, call EH&S at 335-3041 and we will vacuum using equipment dedicated to mercury contamination 7. Take the resealable bag containing the mercury contaminated debris to established collection area. Each collection area has a 5-gallon bucket with a Dangerous Waste label attached. The label will have "contains broken mercury containing light tubes/bulbs" written on the label. Place the resealable bag into the bucket and place the lid on the bucket. EH&S employees will remove debris periodically during regularly scheduled collections. <p>Don't worry if these procedures are not followed exactly as they are only precautions that reflect best practices for cleaning up a broken light bulb/tube.</p>

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9. SPECIAL STORAGE AND HANDLING PROCEDURES	Spent lighting should be collected and recycled using the Standard Operating Procedures for Mercury Containing Light (including CFLS), High Intensity Discharge (HID), and High Pressure Sodium (HPS) Bulbs

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