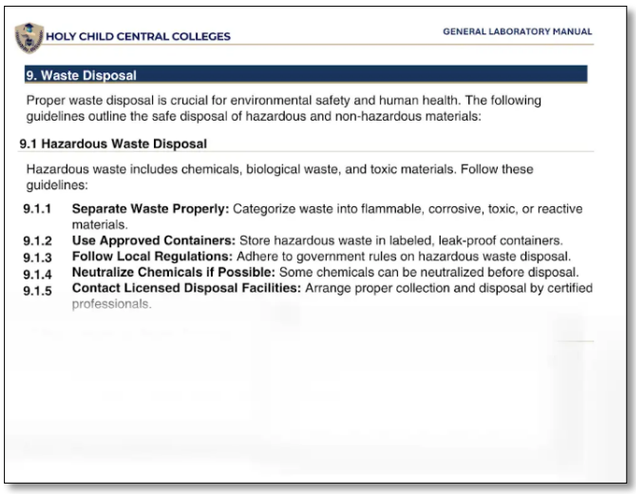
Preventing Water System Pollution



HOLY CHILD CENTRAL COLLEGES GENERAL LABORATORY MANUAL

9. Waste Disposal

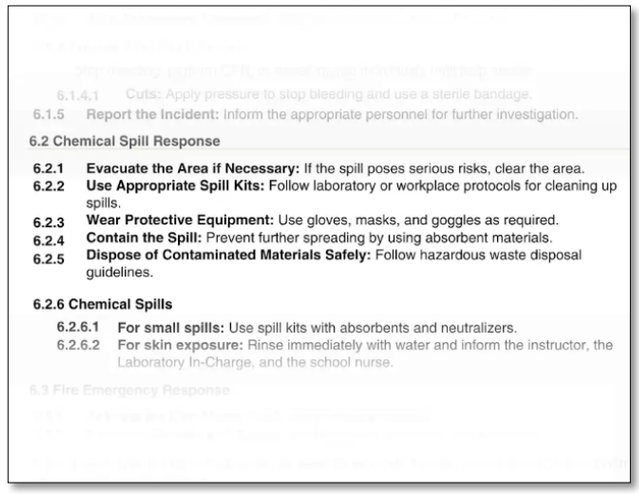
Proper waste disposal is crucial for environmental safety and human health. The following guidelines outline the safe disposal of hazardous and non-hazardous materials:

9.1 Hazardous Waste Disposal

Hazardous waste includes chemicals, biological waste, and toxic materials. Follow these guidelines:

- 9.1.1 **Separate Waste Properly:** Categorize waste into flammable, corrosive, toxic, or reactive materials.
- 9.1.2 **Use Approved Containers:** Store hazardous waste in labeled, leak-proof containers.
- 9.1.3 **Follow Local Regulations:** Adhere to government rules on hazardous waste disposal.
- 9.1.4 **Neutralize Chemicals if Possible:** Some chemicals can be neutralized before disposal.
- 9.1.5 **Contact Licensed Disposal Facilities:** Arrange proper collection and disposal by certified professionals.

Figure 1. Hazardous Waste Disposal Procedures
General Laboratory Manual (2026), Section 9.1, p. 27



6.1.4.1 **Cuts:** Apply pressure to stop bleeding and use a sterile bandage.
6.1.5 **Report the Incident:** Inform the appropriate personnel for further investigation.

6.2 Chemical Spill Response

- 6.2.1 **Evacuate the Area if Necessary:** If the spill poses serious risks, clear the area.
- 6.2.2 **Use Appropriate Spill Kits:** Follow laboratory or workplace protocols for cleaning up spills.
- 6.2.3 **Wear Protective Equipment:** Use gloves, masks, and goggles as required.
- 6.2.4 **Contain the Spill:** Prevent further spreading by using absorbent materials.
- 6.2.5 **Dispose of Contaminated Materials Safely:** Follow hazardous waste disposal guidelines.

6.2.6 Chemical Spills

- 6.2.6.1 **For small spills:** Use spill kits with absorbents and neutralizers.
- 6.2.6.2 **For skin exposure:** Rinse immediately with water and inform the instructor, the Laboratory In-Charge, and the school nurse.

Figure 2. Chemical Spill Response Procedures
General Laboratory Manual (2026), Section 6.2, p. 24

Yes. Holy Child Central Colleges, Inc. (HCCCI) sets out hazardous waste disposal and chemical spill response procedures in its General Laboratory Manual. Section 9.1 requires hazardous waste to be segregated, stored in labeled, leak-proof containers, and collected for disposal through licensed facilities.

Section 6.2 calls for appropriate spill kits and protective equipment, containment with absorbent materials, and safe disposal of contaminated materials. Section 8.4.1 requires immediate reporting of safety hazards to the Laboratory In-Charge or laboratory instructor. These procedures reduce the risk of chemicals and contaminated materials entering campus drains and waterways.