

EMS Operational Control - 04		Hazardous Waste
A. Significant Environmental Aspect: Purchasing and use of hazardous chemicals	B. Activity group: <ul style="list-style-type: none"> Laboratory Research 	C. Document Control Code: TIF-OC-04 Revision 0
		D. Date: 07/01/07 Effective Date: 07/01/07
1. Title: Hazardous Waste – Operational Control - 04		
2. Activities (and corresponding written controls, where applicable): Employees of the USDA-ARS-SAA Tifton Location, as a result of their daily activities in research laboratories, purchase and use hazardous chemicals. This results in the generation of hazardous waste which must be disposed of in compliance with all federal, state, and local regulations. Employees should always try to minimize the generation of hazardous waste by searching for alternate, greener methods; working on smaller scales when possible; purchasing only the quantities of chemicals necessary to complete the task; reusing chemicals whenever possible; and recycling chemicals whenever possible.		
3. Operational Controls such as technological, operational, procedural (and corresponding written controls, where applicable): <ul style="list-style-type: none"> Employees should put hazardous waste in containers that are compatible with the waste. The containers must be labeled with the words “Hazardous Waste” and other words identifying the contents of the container (a waste cannot be safely managed unless its identity is known), the accumulation start date for the container, and the date the container became full (leave at least 10% of the volume of the container empty to allow for expansion). Employees should notify the CDSO immediately when the quantity of waste in the satellite accumulation area reaches either 55 gallons or 1 quart of acutely hazardous waste. Otherwise employees should notify the CDSO of the quantity of full containers to be removed from the satellite accumulation towards the end of each month. Employees working in laboratories that generate hazardous waste should receive initial training in hazardous waste management and refresher training on an annual basis thereafter. The CDSO should move full containers of hazardous waste from satellite accumulation areas to the Hazardous Waste Building on a monthly basis. Should such areas accumulate either 55 gallons of hazardous waste or 1 quart of acutely hazardous waste, the CDSO should move the waste to the Hazardous Waste Building within 3 days. The CDSO should work with a contractor to ship hazardous waste off-site, retaining all manifests for a minimum of 3 years. 		
4. Maintenance plan(s) for the Operational Controls and actions to be taken if controls fail: <ul style="list-style-type: none"> Ask the CDSO if there is a question as to whether or not a waste is hazardous. The CDSO may periodically inspect satellite accumulation areas to observe and ensure that hazardous waste is being properly managed. Failure of any aspect of this Operational Control will be investigated with corrective action taken immediately. 		
5. Corresponding Environmental Management Program: Generation of Hazardous Waste, TIF-EMP-04		

<p>6.1 Record (s) E-mails and other training records</p> <p>Laboratory methods, procedures, etc. that result in the generation of hazardous waste</p> <p>The amounts of hazardous waste generated per month and year, separated into hazardous and acutely hazardous waste</p> <p>Manifests for wastes shipped off-site</p> <p>Land-ban certification for shipments off-site</p>	<p>6.2 Person Responsible and Record Location: CDSO, safety filing cabinet</p> <p>Employees</p> <p>CDSO, safety filing cabinet</p> <p>CDSO, safety filing cabinet</p> <p>CDSO, safety filing cabinet</p>
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7. Responsibilities: (a. to ensure controls are in place; b. to ensure controls keep working; c. to take action when controls fail; d. to create and keep records relative to operational controls).

7.1 Title	7.2 Responsibility
<p>CDSO</p> <p>Employees</p>	<p>Responsible for a-d (listed above)</p> <p>Place hazardous waste in properly labeled containers compatible with the waste</p> <p>Notify CDSO when 55 gallons of waste has been generated, 1 quart of acutely hazardous waste has been generated, or monthly requesting that full containers be removed to the Hazardous Waste Building.</p>

8. Competence of operators on the basis of training, education or experience:

The operators in this case would be employees of USDA-ARS-SAA Tifton Location laboratories. Hazardous waste generation training should be given upon initial assignment of a new employee to a laboratory that generates hazardous waste. Refresher training will be conducted annually, usually during 'Safety Week'. The CDSO may provide training periodically via a PowerPoint presentation and/or reminder e-mails.