



Innovating Facilities Management

Waste Storage and Collection Protocols for UAEU Shared Labs

Updated on 27th January 2016



1. Collects and transfer the hazardous waste (except Mercury and radioactive waste) from each laboratory room to designated hazardous waste room.
2. Facilitate collection of hazardous waste by UAEU's hazardous waste contractor from designated hazardous waste room to appropriate treatment/disposal facility.
3. Ensure that all waste management activities are in compliance with UAE Regulations being implemented by Environmental Authority and Center for Waste Management.

Waste Group as Per HAAD Regulations




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TYPE OF WASTE	PACKAGING / STORAGE TREATMENT AND DISPOSAL REQUIREMENTS
<p>Health Authority - Abu Dhabi (HAAD) Medical Waste Management in Health Care Facilities Reference Number: PPR/HCP/P0002/07 :</p> <p><u>Group A Waste: (Anatomical, Pathological Waste)</u> Waste contaminated with human blood or other body fluids, excreta, vomit, human tissue, waste from contagious diseases, dirty bandages, bed sheets, animal remains and all other material on which animal lay or cloth or used by animal whether contaminated or not and mortuary waste e.g. <i>human tissues, fluid, body parts, blood and other body fluids</i></p> <p><u>Group B Waste: (Sharp Objects)</u> Sharps, usually syringes and needles, surgical tools, different medicine and medical equipment vessels, broken glass and all other sharp equipments, tools and materials. e.g. <i>needles, infusion sets, scalpels, knives, saws, blades, broken glass, nails</i></p> <p><u>Group C Waste: (Laboratory Waste)</u> All laboratory waste such as bacterial plates, culture plates, gloves, contaminated clothes, sheets, covers and vessels used for handling organic tissues, contaminated blood etc. e.g. <i>blood, tissue and microbial cultures and microbiology laboratory waste, carcasses of inoculated lab animals, stools from cholera patient or body fluid of highly infectious diseases, and mortuary waste not specified under Group A.</i></p> <p><u>Group D Waste : (Pharmaceutical & Chemical Waste)</u> Pharmaceutical and chemical waste to which medical specifications apply e.g. <i>pharmaceuticals that are expired or no longer used or needed, items contaminated by or containing pharmaceuticals bottles, boxes</i> <i>Chemical waste – laboratory reagents, film developer, disinfectants that are expired or no longer needed, solvents</i></p> <p><u>Group E Waste:</u> All used materials receiving patient secretions and stomach waste and other waste (except patient suffering from contagious disease listed under Group A) e.g. <i>disposable linings used for patient beds, caps of bottles for receiving and storing blood, urine, urine diapers, bags or vessels used for receiving stomach waste and similar waste.</i></p> <p><u>Group F Waste: (Radioactive Waste)</u> Waste resulting from treatment with radioactive materials and waste resulting from all operations related to radioactive materials e.g. <i>unused liquids from radiotherapy or laboratory research, contaminated glassware, packages and absorbent paper, urine and excreta from patients, treated with unsealed radionuclide's, sealed sources.</i></p>	<p><u>Group A (Anatomical, Pathological Waste)</u> Must be disposed within 24 Hours for incineration.</p> <p><u>Group B : (Sharp Objects)</u> Must be stored in a standard Sharp Object Box and should not be stored more than 75% of their capacity.</p> <p><u>Group C : (Laboratory Waste)</u> Waste to be sterilized / autoclaved before disposal.</p> <p><u>Group D: (Pharmaceutical & Chemical Waste)</u> Shall be returned to the pharmacy to their original containers</p> <p><u>Group E</u> Must be disinfected before treatment.</p> <p><u>Group F: (Radioactive Waste)</u> Must be kept in special security areas allocated for storing this kind of waste until expiry of half of their expected lives stored in special containers, marked and labeled and sent back to manufacturer</p>

1. All requests for waste management services shall be logged to Service Desk.
2. All chemical waste must be properly packed, labeled and free from any leakage before logging a request for collection.
3. **For Chemical Waste Only** - will be collected upon receipt of completely filled up [Waste Material Data Sheet](#) along with the MSDS which reflect the revised Government legislation, as dictated by the Centre for Waste Management (CWM). As per the revised legislation, it is mandatory that the relevant MSDS is supplied with the waste stream. For mixture of chemical, Laboratory Analysis Report shall be furnished from any ESMA accredited laboratories in the Emirates of Abu Dhabi for disposal and shall be stored in its original container e.g. glass bottle, plastic or can container OR Lab user can use a suitable and approved container as dictated by the MSDS and or best practice guidelines then Khadamat will collect provided it is properly sealed and labelled in accordance with MSDS. No decanting will be done by Khadamat and all collected chemical waste will be disposed in its original state
4. **Other Laboratory Waste** - collected upon receipt of a completely filled up [Laboratory Waste Collection Request Form](#)

5. **Biological/Microbiological waste** classified as Group C as per HAAD's regulations must be autoclaved by UAEU personnel before requesting for hazardous waste collection, and must be clearly declared in the request form.
6. **Dissected animals without chemical** or not subjected to chemical experimentation shall be classified based on HAAD's regulations by the responsible Laboratory Personnel before logging a request. If these waste are classified as Group A, it has to be logged for collection upon generation. If the waste is classified as Group C, then it has to be autoclaved before it can be collected by Khadamat.
7. **Animals subjected to experimentation involving chemicals** shall be collected upon logging a request. The concerned laboratory personnel should state the type of chemicals injected to the animals and classify the waste group, A or C. If these waste are classified as Group A, it has to be logged for collection upon generation. If the waste is classified as Group C, then it has to be autoclaved before it can be collected by Khadamat.

Laboratory Waste Collection Request Form



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WM.F.03.1 UAEU - Laboratory Waste Collection Request Form

Date	Click here to enter a date.	
College/Department	Choose an item.	
Building	Choose an item.	Room Number
Laboratory Name		
Name of Requestor		
Contact Details	Mobile/Tel Nos.	Email address

Section (A) – Chemical Waste Only
 Kindly fill up the Annex 3: Waste Material Data Sheet which is decided by the Centre for Waste Management (CWM) for chemical disposal (CWM Tech. Guideline No.1), Kindly refer to www.cwm.ae for more information.
 Note: This request will only be facilitated if the relevant MSDS is provided

Section (B) – Other Laboratory Waste						
Type of Waste	*Name	Group of Waste	Form	Category		Amount (Kg. /Li.) 15 kg maximum
				Hazardous	Non-hazardous	
Choose an item.		Choose an item.	Choose an item.	Choose an item.	<input type="checkbox"/>	
Choose an item.		Choose an item.	Choose an item.	Choose an item.	<input type="checkbox"/>	
Choose an item.		Choose an item.	Choose an item.	Choose an item.	<input type="checkbox"/>	
Choose an item.		Choose an item.	Choose an item.	Choose an item.	<input type="checkbox"/>	
Choose an item.		Choose an item.	Choose an item.	Choose an item.	<input type="checkbox"/>	

NOTE:

- All blank spaces are mandatory and must be completely filled in as per the instructions in order to process the request
- Currently we are not handling Mercury and Radioactive Wastes.

INSTRUCTIONS:

- Please send the **completely filled up form** to Khadamat Service Desk (servicedesk@khadamat.ae) to arrange for collection.
- Please note that collection will be arranged only after receiving a completely and correctly filled in Collection Request Form.
- Group C waste (see categories below) must be autoclaved by UAEU personnel, regardless of quantity, before logging a Collection Request to the Khadamat Service Desk. This waste must be declared as **autoclaved** on the Collection Request Form for collection to be arranged.
- Containers which are not sealed correctly, or with improper caps, leaks, outside contamination, or improper labelling will not be collected until these problems have been corrected. For any inquiries, please call Service Desk at Tel. No. **+9713-7138000**

Annex 3: Waste Material Data Sheet



WASTE MATERIALS DATA SHEET

W.A.C.:		1 WAC per waste, per producer and per year
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1. WASTE PRODUCER – General Information

Company Name:	Address:
	City:
	Phone No.:
Company Representative:	Industrial Group:
Phone No.:	Core Business:
Email:	

2. WASTE DESCRIPTION¹

Name of the Residue:	
Commercial Internal Name:	
Waste Catalogue Code ² :	2
Describe the Process that Produces the Material:	

2.1 WASTE QUANTITY AND STORAGE

Expected Annual Quantity: 01 T Production Period: 01 days/year

Bulk Packaged






IBC	<input type="checkbox"/> 1000 L	Big Bag	<input type="checkbox"/> 1000 L	
Quantities				
Drums	<input type="checkbox"/> 200 L	<input type="checkbox"/> 120 L	<input type="checkbox"/> < 60 L	<input type="checkbox"/> Metallic
Quantities				<input type="checkbox"/> Plastic
Jerrycans	<input type="checkbox"/> 60 L	<input type="checkbox"/> 30 L	<input type="checkbox"/> 10 L	<input type="checkbox"/> < 5 L
Quantities				
Other Storages	Nature		Size	
Quantities				

¹ Hazardous waste definition and classification soon available on the CWMAD internet site

² Classification code soon available on the CWMAD internet site.

Waste Storage and Collection Protocol

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<p>Biological/ microbiological waste for autoclaving</p>	<p>Autoclaved biological waste</p>	<p>Hazardous/Contaminated Solid Waste</p>	<p>Laboratory Wares</p>	<p>Sharps</p>	<p>Domestic Waste</p>
<ul style="list-style-type: none"> • Bacterial plates • Culture plates • Microbial cultures • Microbiology wastes 	<ul style="list-style-type: none"> • Consolidated autoclaved biological waste 	<ul style="list-style-type: none"> • Contaminated Gloves • Litmus Paper • Contaminated Plastic 	<ul style="list-style-type: none"> • Glass • Flask • Tubes • Petri dish • Pipettes 	<ul style="list-style-type: none"> • Syringe • Blades • Needles • and other sharps 	<ul style="list-style-type: none"> • Food waste • Non-hazardous solid waste for disposal
<p>Shall be transferred by UAEU personnel to autoclave facility</p>	<p>University personnel to log collection request after autoclaving by sending the completely filled up Laboratory Waste Collection Request Form to Service Desk.</p>	<p>Will be collected upon request by sending the completely filled up Laboratory Waste Collection Request Form to Service Desk.</p>	<p>Once 75% full UAEU personnel has to log collection request by sending the completely filled up Laboratory Waste Collection Request Form to Service Desk.</p>	<p>To be sealed once 75% full then UAEU personnel has to log collection by sending the completely filled up Laboratory Waste Collection Request Form to Service Desk.</p>	<p>Will be collected daily by the Khadamat cleaners</p>

Packaging Requirements

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**Hazardous/
Contaminated
Solid Waste**

**Biological/
Microbiological
Waste for
Autoclaving**

**Consolidated
Autoclaved waste
and or biological waste**

**Laboratory
Wares/Broken
Glass**

**Non-Hazardous
/Domestic Waste**

**Syringe, blades,
needles and other
sharps**

Pre-Treatment Requirement for Group C Waste



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Biological/
Microbiological waste
(Group C)



Autoclave Facility



Consolidated Autoclaved
waste



Consolidating Bin for Blue
Bags



Autoclaved waste
for final disposal

Hazardous Waste Labeling Requirements



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HAZARDOUS WASTE TAG

UHRN:.....

Requestor Name:

Source/Room No:

Chemical Name:

Contents:

.....

.....

Physical State:		Hazard Class:	
Liquid	<input type="checkbox"/>	Flammable	<input type="checkbox"/>
Solid	<input type="checkbox"/>	Oxidized & Organic	<input type="checkbox"/>
Gas	<input type="checkbox"/>	Poisonous	<input type="checkbox"/>
Other: Specify		Corrosive	<input type="checkbox"/>
		Other, specify	<input type="checkbox"/>
		

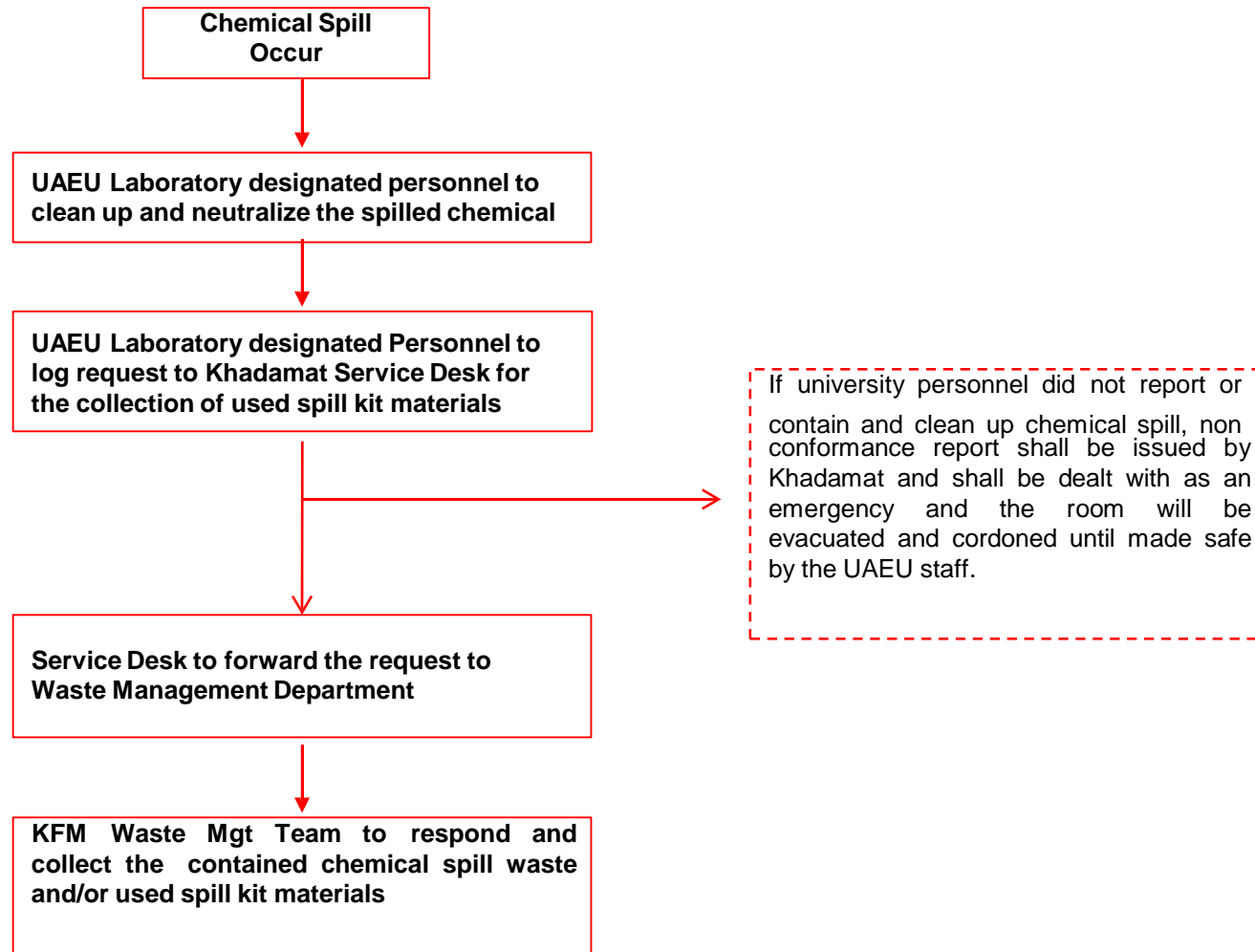
Date/Time:

WM Staff Name:

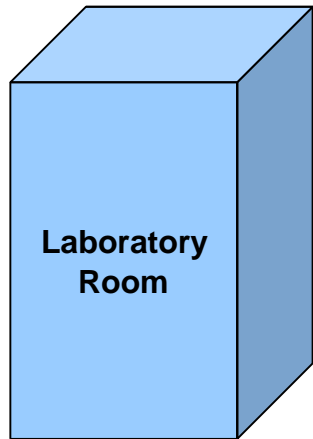
Chemical Spill Clean Up and Collection Protocol



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Hazardous Waste Transfer, transport and Final Disposal



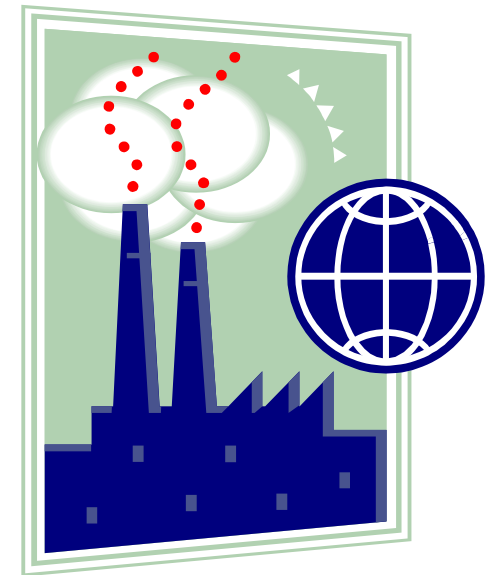
→
KFM
(upon request)



Hazardous Waste Room
(E6-0005)



UAEU Hazardous
Waste Contractor



Treatment/Disposal
Facility

For more information and clarification, you may contact
Khadamat Service Desk:

Telephone No.: (03) 713-8000

Email : servicedesk@khadamat.ae

Website : www.khadamat.ae