The HSC Medical Waste Management System

Hanan Al-Awadhi
Outline

1. Health, Safety and Environment Services at HSC
2. HSC Medical Waste Management
   I. System Overview
   II. Operations
   III. Reporting Protocol
   IV. Documentation
3. General Remarks
4. Q&A Session
Health, Safety and Environment Services at HSC

HSC serves as KU medical campus that consists of:

- FOM
- FOAHS
- FOP
- FOD
- VPO
VPO is collaborating with HSC faculties and KU different departments to:

- Enhance environmental health and safety at HSC
- Make HSC a safer and healthier environment for staff, students and visitors
VPO Plans for HSE services at HSC include:

- Medical Waste Management System
- Environmental and Occupational Health
- Facility Safety
- Laboratory Safety
HSE at HSC- Cont.,

- Currently, VPO provides medical waste management services; other HSE services will be activated in the future.
- VPO formed the HSC Laboratory and Environmental Safety Committee in 2009 to be in-charge of the HSC Medical Waste Management System.
Who serves in the HSC LES Committee?

FOM Representatives
- Mohamed Sakr (mohsakr@hsc.edu.kw)
- T.S. Srikumar (srikumar@hsc.edu.kw)

FOAHS Representative
- Leina Ibrahim (leina@hsc.edu.kw)

FOP Representative
- Sulaiman Al-Sulaiman (zergi@hsc.edu.kw)

FOD Representative
- Subhadra Surana (surana@hsc.edu.kw)

VPO Representative & Committee Officer
- Hanan Al-Awadhi (halawadhi@hsc.edu.kw)
HSC Medical Waste Management System

I. System Overview
II. Operations
III. Reporting Protocol
IV. Documentation
I. System Overview

What is the HSC Medical Waste Management System?

It is a system that manages hazardous and nonhazardous medical wastes produced within:

- FOM
- FOAHS
- FOP
- FOD (including KU Dental Clinic)
- ARC
- RCF
System Overview- Cont.,

What is the System functionality?

- Collection
- Treatment either on-site (*when possible*) or off-site
- Safe Disposal
  of all types of medical wastes
System Overview- Cont.,

Where are medical wastes produced?

- HSC clinically-oriented departments
- HSC laboratory-oriented departments
- HSC facilities e.g. RCF, ARC, Dental Clinic
System Overview- Cont.,

What are the different types of medical wastes?

- Chemical
- Pharmaceutical (Therapeutic Chemical)
- Biological or Biohazards
- Animal
- Dental
Cont.,

- Decayed Radioactive
- Glassware
- Expired or Dead Dry Cell Batteries
- Other Wastes

**NOTE**

The radioactive wastes collected from HSC will be in a decayed stage and are exempted from MOH ACT No. 553 for the Year 2003
II. Operations

- Collection of wastes
  - On a scheduled basis
  - On demand
- Provision of appropriate waste containers and all necessary items for a safe disposal to each waste type
- Validation of waste treatment methods
Operations - Cont.,

- Proper transport of treated and non-treated wastes from HSC to treatment or disposal areas
- Safe disposal of all types of waste in designated areas approved by Kuwait EPA and Kuwait PAI
- Maintaining proper records/log system
Operations- Cont.,

- Abiding the regulations and the standards of:
  - Kuwait EPA
  - Kuwait PAI
  - Kuwait MOH
  - Kuwait MOI- Department of Transportation and Traffic
  - WHO
  - Others
What is your role in the System Operations?

- You are to
  - Abide to safe laboratory practices
  - Collaborate with your faculty representative(s) to ensure that the System is running as it should be e.g. reporting, documentation, etc.
What are the waste collection times?

Scheduled Waste Collection
per your faculty representative's recommendations

- **FOM**: Daily at 11:00 AM; except Department of Microbiology at 03:00 PM
- **FOAHS**: Daily at 08:30 AM
- **FOP**: Weekly on Thursday at 09:00 AM
- **FOD**: Daily at 05:00 PM for KU Dental Clinic; Twice a week for FOD laboratories
- **RCF**: Daily at 12:00 NOON
Operations- Cont.,

- To request a change in the scheduled waste collection times, please communicate with your faculty representative(s)
- For on-call waste collection requests, please call the System Operator directly at 66829485
Key Points in Operations

- HSC Medical Waste Management System is not a system of waste treatment equipment but rather a managerial system that aims to properly manage medical wastes in HSC starting from waste segregation at production points to safe disposal.
Operations- Cont.,

Examples of waste bags and containers that will be delivered to HSC
Each scientific department has to identify a waste collection point. If not identified yet, then each chief technician has to communicate with his/her faculty representative(s) to identify one.

The System operator (the Contractor) will collect wastes from the predefined WCPs.
Operations- Cont.,

- Al-Essa Company for Medical and Scientific Equipment Company is the HSC contractor to carry out the required services for a contract period from 01/02/2011-31/01/2013.

- The Contractor team has 4, pre-approved laborers stationed in HSC LG.
Communication with the Contractor is through your faculty representative(s) with the exception to *per call waste collection requests*

The **Response Time** is 20 minutes. Failure to respond promptly will lead to penalty application.

**NOTE**

Date and time of each call should be recorded in a special departmental log.
Operations- Cont.,

Breach of contract means **PENALTIES**

- KD 100 per day for delay in service delivery
- KD 50 per case for failure to respond
- KD 50 per working day for failure to deliver proper health records for substitute laborers
- KD 100 per laborer if not qualified

April 2011

H.A.A.
Operations- Cont.,

In case of service dissatisfaction, 3 complaints count towards 1 warning; 3 warnings and failure to correct the situation lead to heavier penalties e.g. 20% of contract value penalty, contract termination, etc.
III. Reporting Protocol

How and to whom to report?

- Reporting of breach of contract incidents, complaints or recommendations should be addressed directly in writing via e-mail to your faculty representative(s) in the HSC Laboratory and Environmental Safety Committee.
IV. Documentation

Every department chief technician or in-charge has to complete the Medical Waste Manifest Form on a daily basis. The signed, completed Form should be forwarded to your faculty representative(s) on a monthly basis.
Medical Waste Manifest Form

Select your HSC Faculty or Facility

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Documentation - Cont.,

KUWAIT UNIVERSITY HEALTH SCIENCES CENTER

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Department Chief Technician or Department in-Charge Name and Signature

Back Cover
The Form will be available online after this orientation on the VPO page [http://www.hsc.edu.kw/vpo/](http://www.hsc.edu.kw/vpo/).

Hard copies are already available with your faculty representative(s).

Completing this Form will be effective across HSC as of May 01, 2011.
Reference materials and guidance documents on medical/healthcare waste management, and on health, safety and environment along with this presentation will be available online as well very shortly.
General Remarks

- An structured training session on medical waste management by experts will take place during the mid year break i.e. between 22/01-04/02/2012.

- All HSC staff working in laboratories for both teaching and research purposes must attend the training. So, make sure that you are around!!
General Remarks - Cont.,

- Announcements will be sent to you via the HSC E-mail Announcement System. Thus, make sure that you check your HSC e-mail frequently.

- Contract copies were sent to your faculty dean for distribution on 22/03/2011.
Q&A Session
Thank you
Help us make HSC a safer and a healthier environment