


 INTERNATIONAL ISLAMIC UNIVERSITY MALAYSIA	DOCUMENT	
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IIUM-KOS-SOP-51	REVISION DATE	12/12/2022
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TREATMENT OF WASTEWATER GENERATED FROM LMO/NLMO ACTIVITIES		


TREATMENT OF WASTEWATER GENERATED FROM LMO/NLMO ACTIVITIES

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REVISION HISTORY

Revision Number	Revision Date	Description of Amendment / Change

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1. OBJECTIVE

The purpose of this procedure is to make sure that the wastewater generated does not pollute or affect the environment.

2. SCOPE


This SOP covers all procedures involving wastewater disposal activities at the Kulliyyah of Science Laboratories.

3. DEFINITION

1. IUM - International Islamic University Malaysia
2. KOS - Kulliyyah of Science
3. IBBC - Institutional Biosafety and Biosecurity Committee
4. SOP - Safe/Standard Operating Procedure
5. SO - Science Officer
6. LMO - Living Modified Organism
7. BSL or BL - Biosafety Level
8. PIC - Person in Charge
9. EQSWR - Environmental Quality (Scheduled Wastes)
Regulation 2005
10. PPE - Personal Protective Equipment

4. PREREQUISITES

- 4.1 All laboratory users that handle wastewater activities are required to understand the procedures and adhere to them. The laboratory users are also required to wear suitable Personal Protective Equipment such as covered shoes, lab coats, rubber gloves, masks (when required), and goggles (when required).

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Cross-reference with IIUM-KOS-SOP-40: Personal Protective Equipment Management

5. RESPONSIBILITIES

- 5.1 All the laboratory users shall be responsible to comply with the safe operating procedure.

6. PROCEDURES

- 6.1 Wastewater from the activities will be disinfected before washing it off with filtered water.
- 6.2 If the wastewater contains some chemicals (bleach, H₂O₂, Alcohol), it shall be disposed of in the designated disposable chemical containers.
- 6.3 The container must be labeled clearly with the waste name, waste code, date and waste generator name.
- 6.4 The disposal procedure shall comply to the EQSWR 2005 for any wastewater contaminated with scheduled wastes.

7. REFERENCE

- 7.1 Biosafety, D. O. (2010). *Biosafety Guidelines Contained Use Activity of Living Modified Organism*. Putrajaya, Malaysia: The Ministry of Natural Resources and Environment Malaysia.
- 7.2 IIUM-KOS-SOP-17: Biological Management
- 7.3 IIUM-KOS-SOP-18: Scheduled Waste Management
- 7.4 IIUM-KOS-SOP-40: Personal Protective Equipment Management

8. APPENDIX

N/A.