



POLICY AND PROCEDURES

Date: 10.11.2019

Revision: 5

IAU

DEPARTMENT : ADMINISTRATION

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Review Date: 12.11.2024

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1. **TITLE:** WATER REUSE CONSERVATION

2. **PURPOSE:**

- 2.1. The purpose of this water reuse preparation is to provide a detailed understanding of the entire water reuse framework from the source to the end user. It is necessary to assess the water quality information described, taking into account variability, and to develop a flow chart of the water reuse framework from source to application or adoption situation.
- 2.2. Applications of water reuse include urban and recreational non-portable water reuse, onsite gray water reuse, industrial reuse, agricultural irrigation, rainwater or rainwater collection and reuse, surface water recharge and groundwater recharge and even the reuse of drinking water.

3. **DEFINITIONS:**

- 3.1. The Water reuse (in the context of this rules) is to use of the water produced from the wastewater that, after treatment, it result in a quality required (taking into account the health and environment hazards and the neighborhood rules) for its intended use.
- 3.2. A hazard management system could be an efficient control too, that reliably ensures the safety and fitness for purpose of the water reuse structure. A key highlight is that regardless of estimate and complexity, it is reasonably adaptable to connect to all types of water reuse system.

4. **POLICY:**

- 4.1. The water reuse directive recommends specific minimum requirements for the quality of treated water, taking into account the health and environmental risk associated with water reuse in university buildings.
- 4.2. Promote the reuse of treated wastewater. Treated wastewater should be reuse where appropriate. Disposal routes must minimize adverse environmental impacts.

5. **PROCEDURE:**

- 5.1. Determine the overall weight and impact on water bodies of water scarcity and over abstraction and the quantitative needs of water users. Distinguish if you have a serious water shortage problem or other reason for using treated wastewater, such as: the renewal of aquifers to cope with a seawater disruption.
 - 5.1.1. Determine if there is significant water scarcity problem causing water pollution whether there is problem or a need.
 - 5.1.2. Avoiding over-abstraction of water bodies and thereby contributing to the achievement of environmental objectives.
 - 5.1.3. Meeting the needs of users in situation of water scarcity, and



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5.1.4. Addressing widespread seawater disruption problems and the needs to revitalize aquifers.

- 5.2. Distinguish the appropriate interventions or optional water sources to meet the needs and clearly see how each alternative addresses specific quantitative needs.
- 5.3. Recognize the accessible amounts of wastewater that could be save, and how it has been use to meet people's need.
- 5.4. Determine the essential treatment requirements and other necessities that ensure safe use and safety of the environment, taking into consideration the national regulations and controls.
- 5.5. Establishing control and monitoring frameworks to ensure safe use of treated wastewater for individuals and the environment, and compliance by the steward with basic legal obligations.

6. RESPONSIBILITIES:

- 6.1. Operation and Maintenance

7. ATTACHMENTS: N/A

8. DISTRIBUTION:

- 8.1. The signed original copy is maintained at the Documentation Control Unit of the University
- 8.2. Available in the University website

9. REFERENCES: N/A



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