



CERTIFICATION AND OPERATION OF DECENTRALIZED WASTEWATER TREATMENT PLANTS

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1. Rationale

- The burden related to DWWT (up to 5000PE) operation and maintenance.
- Lack of minimum requirements for materials, designs and construction, and performance for wastewater treatment systems with capacities up to 5.000 PE.
- Lack of minimum requirements to be provided by manufacturers, designers and operators when it comes to DWWT (up to 5000PE)

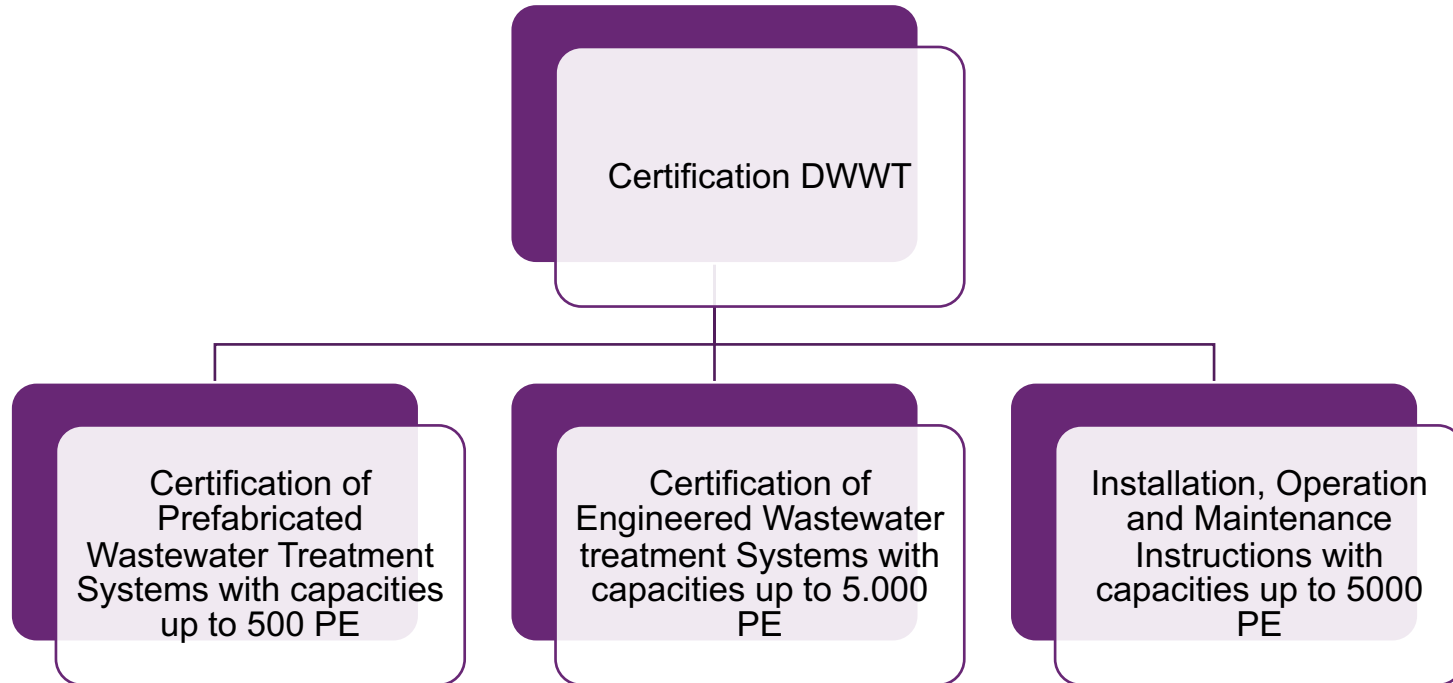


2. Objectives

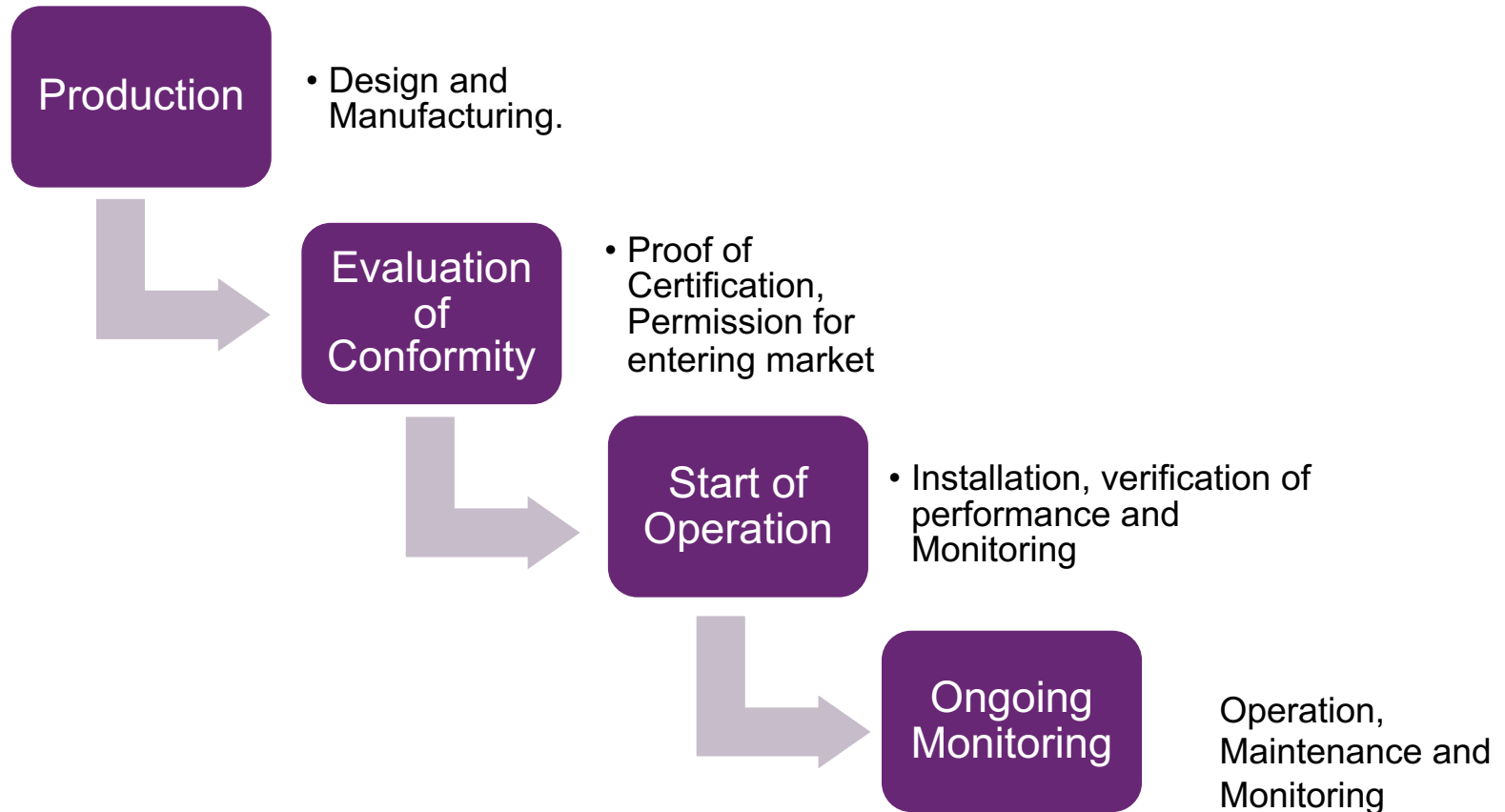
- To ensure that wastewater treatment plants are constructed, operated, and maintained in compliance with national regulations and standards for wastewater treatment to prevent adverse impacts on public health, the environment, soils, crops, and on water resources.
- To provide guidance to designers, manufacturers and installers, when selecting wastewater treatment systems with capacities up to 5.000 PE.
- To provide confidence for purchasers that the system conforms to the product specifications.



3. Scope



4. Certification Cycle



5. Recommendations for DWWT Certification

5.1 Adoption of EN12566-3 in Jordan

- Adopted by the Jordanian Standard and Metrological Organization (JSMO) adopts the European Standard EN 12566-3.
- National requirements are also added.



5.2 Prefabricated DWWT Systems

- Certified according to, and hence comply with, both the relevant version of the European Norm EN 12566-3 and the National Certification requirements for Prefabricated Wastewater Treatment Plants.
- The plant has undergone initial type testing according to the procedures specified.
- Initial type testing is required to demonstrate conformity with this Standard. Tests previously carried out in accordance with the provisions of the Standard may be considered provided that they relate to the same product and characteristics, and used the same test methods, sampling procedure and systems of conformity verification.



3.3 Engineered DWWT systems

- The National Certification Requirements are intended for use by notified testing and conformity assessment bodies, designers, manufacturers, suppliers, consultants, regulators, installers, and service technicians.
- National Requirements set out the minimum requirements in terms of water effluent quality and materials used to meet the national standards.



3.4 Installation and O & M

- Maintenance should be carried out on the basis of a maintenance contract between the owner of the wastewater treatment plants and the maintenance entity.
- Wastewater treatment plants with capacities up to 5.000 PE must be serviced at least every six months, unless shorter maintenance intervals are specified in the manufacturer's/designer's maintenance instructions.
- To ensure proper cleaning of the biological stage, sufficient solid retention during pre-treatment is required.



All details are in this
publication



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Thank You