

F. PUBLIC WATER SUPPLY SYSTEM PERMIT APPLICATION

Complete this section of the application if your proposed project involves the **construction of or modification to a public water supply system of the Republic of Palau**. A permit to construct a new or modify an existing public water supply system is a requirement of the EQPB Public Water Supply System Regulations, § 2401-51-09 and § 2401-51-10.

The following definition applies when making a determination as to whether you should complete this application and how to complete the application if required:

“Public Water Supply System” means a system for provision to the public of piped water for human consumption, if such system has at least fifteen (15) service connections or regularly serves an average of at least twenty-five (25) individuals daily at least sixty (60) days out of the year.

“Potable Water” means water which is of a quality that meets the requirements of EQPB Public Water Supply System Regulations § 2401-51, and is intended for human consumption.

If you have any questions about whether your project or facility needs a public water supply system permit, contact the EQPB office for guidance.

1. Check each category that applies to the proposed project:

<input type="checkbox"/>	Part or all of the proposed public water supply system is subject to a significant risk from earthquakes, floods, fires, or other disaster that could cause the breakdown of a public water supply system or a portion thereof.
<input type="checkbox"/>	Except for intake structures, part or all of the public water supply system is within the floodplain of a 100-year flood or is lower than any recorded high tide where appropriate records exist.
<input type="checkbox"/>	If a roof catchment, has reasonable consideration been given as to effective typhoon-protection measures of buildings, roofs, guttering and other catchment appurtenances.

NOTE: .

2. Submit the following documents along with the completed application:

- (A) Notice of Intent.** A report, with supporting drawings or schematics, maps, design calculations, and field data, containing the following information:
 1. Name and address of person who intends to construct or to modify a public water supply system.
 2. Name and address of person who will be the supplier of water to the public.

3. Location of proposed water source(s) on a 8 1/2" by 11" portion of topographic map.
 4. Type of water source (spring, stream, well, roof catchment, ground catchment, other).
 - a. If catchment, horizontal area in square feet.
 - ii. if roof catchment, type of roof materials,
 - iii. if ground catchment, description of vegetative cover or surface materials,
 - b. If well(s),
 - i. estimated depths
 - ii. measures to be taken to exclude surface water and surface contamination from well(s)
 - iii. type of pumps to be used
 - c. If surface water,
 - i. type of surface water
 - ii. measures to be taken to preserve the water source (e.g, watershed protection plan)
 5. Estimated capacity of source(s) in gallons per day during normal rainfall conditions.
 6. Existing methods of sewage disposal, and methods expected in the future, for the system and service area.
 7. Planned raw water storage capacity, or increase thereof.
 8. Description of proposed water treatment processes.
 9. Number of persons to be supplied at initiation of operation,
 10. Anticipated population of service area ten (10) years from now.
 11. Budget estimate for construction, operation and maintenance.
 12. Expected source of funds.
 13. Other data as may be required by the Board.
- (B) **Basis of Design**
1. Results of site investigations.
 2. Summary of design criteria
 3. Engineering hydraulic and water treatment analyses.
- (C) **Final Design Drawings and Specifications.** Final design drawings and specifications shall:
14. Be in accordance with accepted engineering standards and practices, such as the American Water Works Association and Committee of the Great Lakes-Mississippi River Board of State Public Health and Environmental Managers.
 15. Follow the intent expressed in the approved Notice of Intent and the design criteria summarized in the approved Basis of Design.
 16. Prepared under the supervision of a person qualified and experienced in the design, construction, operation and maintenance of water supply systems, based on accepted engineering standards and practices such as those of the American Water Works Association and Committee of the Great Lakes-Mississippi River Board of State Public Health and Environmental

Managers, and directed towards the construction of a facility which will produce potable water.

3. **Certification:** *I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.*

Name and Official Title (Type or Print)	Phone No.
Signature	Date Signed