



Mission of the UIC Program

 The UIC program's mission is to protect the underground sources of drinking water from contamination by regulating the construction and operation of UIC wells and systems.







Purpose & Applicability

- Purpose: 22GAR II-9 §9102 of the UIC Regulation states that: The purpose of this program is to prevent contamination and deterioration of Guam's groundwater resources by regulating underground injection wells, which may endanger the quality of present and future sources of drinking water.
- Applicability: 22GAR II-9 §9103 of the UIC Regulation states that: These regulations apply to and cover Class V injection wells only.



Definitions

What is an Injection well?

Well

any hole that is drilled, dug, or bored at any angle, either cased or uncased by any method into the ground, for the purpose of obtaining water or knowledge of water bearing formations, or for the disposal of surface water drainage or waste materials.

Underground Injection System

a bored, driven, or drilled well, gallery or other systems, and all appurtenances for the purpose of disposing of municipal, industrial and any other wastes including surface water and stormwater through subsurface emplacement of a fluid or fluids.







Who Should Apply for UIC Permit

- Facilities with UIC wells/systems which were constructed:
 - Prior to the approval of the regulations and are still in operation (existing); and
 - constructed after the effective date of the regulations (new).

Current Requirements of Guam EPA

- Proposed projects securing building permits should apply for the UIC operating permits if:
 - The facility has an existing nonpermitted UIC wells/systems;
 - The facility has a proposed/new UIC wells/systems.





Operating Permit Requirements

- Annual Inspection Guam EPA is authorized to inspect any facility subject to the UIC program. Types and frequency of inspection varies, based on status of wells/system and facility.
- Semi-annual water quality monitoring for 19 chemicals and submission of results to Guam EPA, except for some permittees with special conditions that require monthly, quarterly, and annual monitoring
 - 24-hour reporting for results exceeding the Maximum Contaminant Level.
 - Conduct immediate investigation to determine the source(s) of contamination.
 - > Submission of written report with corrective actions.
 - Implementation of the corrective actions

Operating Permit Requirements Cont'd

- Implement the Guam-EPA approved
 Operation and Maintenance Plan
- Implement the Quality Assurance Program Plan for federally-funded projects
- Implement requirements for inspection, monitoring, recordkeeping, and reporting
- Compliance with other permit requirements and conditions.

Compliance Procedure

- Warnings- issued in writing or verbal
- Notice of Violations. Guam EPA gives conditions and timeline to comply.
- Compliance Order- Guam EPA issues compliance order and may assess penalty provides 15 days to appeal and request for hearing before the board.









































Sole Source Aquifer

- Guam's Northern Water Lens on April 26, 1978 was designated as the Northern Guam Sole Source Aquifer (Federal Register Citation 43 FR 17867)
- A Memorandum of Understanding was signed by USEPA & GEPA on May 21, 1978 which gave GEPA the authority to act on its behalf of USEPA in the protection of the aquifer.

Contact Information for Guam UIC Program

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