



GUAM ENVIRONMENTAL PROTECTION AGENCY



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NOTICE TO THE PUBLIC

303 (d) List (WATER QUALITY-LIMITED SEGMENTS IDENTIFIED) FOR 2003–2004

Pursuant to Section 303(d) of the Federal Clean Water Act and implementing regulations (40 CFR 130), the Guam Environmental Protection Agency is requesting public comments on the final list of water quality-limited segments (water bodies) identified for the two (2) year period 2003–2004.

States and Territories under Section 303(d) of the Federal Clean Water Act must identify prioritize and list waters that do not or are not expected to meet water quality standards and must be submitted to the Federal EPA for review and approval.

The final draft list of water quality-limited water bodies which do not meet applicable Guam water quality standards was developed and prioritized based on existing available water quality related data.

The Clean Water Act Section 303(d) final draft list of water quality-limited water bodies is available for public inspection, for a 30 day comment period, Monday through Friday, during office hours of 8:00 A.M. to 5:00 P.M. at the Guam Environmental Protection Agency main office located at 17-3304 Mariner Avenue, Tiyan, Barrigada, Guam or on the Guam EPA Web site at: <http://guamepa.govguam.net>. The public comment period runs from March 30 to April 28, 2004.

All comments on the draft Clean Water Act Section 303(d) list must be submitted in writing within thirty (30) days of the date of this notice to the Administrator, Guam Environmental Protection Agency, Post Office Box 22439, GMF, Barrigada, Guam 96921. Comments will be documented and discussed, and if appropriate, incorporated into the decision making process for the management of water bodies consistent with the Unified Watershed approach and our Agency's strategy document, *Protecting and Restoring Guam's Waters (1999)* for working internally and with other agencies and interested public to protect and restore our waters.

To request a copy of the final draft list and/or if you need additional information, please contact Mr. Christopher Lund, P.E., Chief Engineer, Water Programs Division at 475-1621/1658

/s/

FRED M. CASTRO
Administrator

Guam 2004 303(d) List (Draft)

Water Body	ID Number	Pollutants	Basis for Listing	Priority Ranking
GUAM				
Tumon	20100003-000-001	Bacteria, Nutrients Toxic Contaminants	Waters not attaining Full Designated Uses	High
Northern Guam Lens Aquifer	20100003-000-001	Bacteria, Nutrients Chlorides, Toxic Contaminants	Sole Source Aquifer Designation	High
Ugum River	20100003-000-009	Turbidity	Sole Surface Drinking Water Supply in South	High
Pago River and Bay	20100003-000-003	Nutrients, Turbidity, Dissolved Oxygen	Exceeds WQS> 10% of Samples	Medium
Agana River and Bay	20100003-000-002	Turbidity, Dissolved Oxygen	Exceeds WQS> 10% of Samples	Low

Assessment Method

Guam EPA generally followed the EPA's 1997 and 2002 water quality assessment guidance in evaluating available data and information to identify impaired waters (see EPA, 1997 and EPA, 2002). Guam EPA considered how data were collected and analyzed and placed greater weight on data collected using approved quality assurance/quality control plans and procedures.

The following criteria were used to identify waters as impaired:

- 10% of annual samples of conventional pollutant (e.g., bacteria, sediment, and nutrients) exceeded currently applicable Guam numeric water quality standards;
- Numeric water quality standards for toxic pollutants were exceeded in two or more samples collected in any three-year period;
- Aquatic sediment and/or fish tissue data results indicated that pollutants were present in sediment and/or fish tissue at levels of concern or at levels that exceed commonly applied screening guidelines;
- Coral reef assessment results found that the health of individual reef and lagoon areas were impaired due to pollutant discharges, such as sediment runoff from the land and groundwater discharge high in nutrients;

- Other data and information indicated that a specific water quality standard was exceeded, based on the professional judgment of Guam EPA staff as documented in the Table above.

For all waters identified for inclusion on the Section 303 (d) impaired waters list, the Agency set priority rankings to guide TMDL development. Priority rankings were set based on the Agency staff's judgments concerning:

- The importance of uses to be made of the water,
- The magnitude of exceedences observed,
- The fit of TMDL development work with other assessment, planning, or pollution control activities planned by the Agency, and
- The degree of public interest in or concern about the water body.

All water body and pollutant listings received a priority ranking of high, medium, or low. Waters with high priority rankings will be targeted for TMDL development within the next two years as required by 40 CFR 130.7. Guam EPA will work with interested parties and EPA to determine the schedule for future TMDL development.

Based on this analysis, the waters were found to be impaired and are included on the 2004 Section 303 (d) list, along with the associated pollutants and priority rankings.