

**EPA Review of
American Samoa 2016 Section 303(d) List
Submitted June 2016**

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Purpose

The purpose of this review document is to describe the rationale for EPA's approval of American Samoa's 2016 Section 303(d) water quality limited waters list. The following sections identify those key elements to be included in the list submittal based on the Clean Water Act and EPA regulations. See 40 CFR §130.7. EPA reviewed the methodology used by the Territory in developing the 303(d) list and the Territory's description of the data and information it considered. EPA's review of American Samoa's 303(d) list is based on EPA's analysis of whether the Territory reasonably considered existing and readily available water quality-related data and information and reasonably identified waters required to be listed.

Statutory and Regulatory Background

Identification of Water Quality Limited Segments for Inclusion on a Section 303(d) List

Section 303(d)(1) of the Act directs each State and Territory to identify those waters within its jurisdiction for which effluent limitations required by Section 301(b)(1)(A) and (B) are not stringent enough to implement any applicable water quality standard, and to establish a priority ranking for such waters, taking into account the severity of the pollution and the uses to be made of such waters. The Section 303(d) listing requirement applies to waters impaired by point and/or nonpoint sources, pursuant to EPA's long-standing interpretation of Section 303(d).

EPA regulations provide that Territories do not need to list waters where the following controls are adequate to implement applicable standards: (1) technology-based effluent limitations required by the Act, (2) more stringent effluent limitations required by Territory or local authority, and (3) other pollution control requirements required by Territory, local, or federal authority. See 40 CFR §130.7(b)(1).

Consideration of Existing and Readily Available Water Quality-Related Data and Information

In developing Section 303(d) lists, Territories are required to assemble and evaluate all existing and readily available water quality-related data and information, including, at a minimum, consideration of existing and readily available data and information about the following categories of waters: (1) waters identified as partially meeting or not meeting designated uses, or as threatened, in the Territory's most recent Section 305(b) report; (2) waters for which dilution

ENCLOSURE

calculations or predictive modeling indicate nonattainment of applicable standards; (3) waters for which water quality problems have been reported by governmental agencies, members of the public, or academic institutions; and (4) waters identified as impaired or threatened in any Section 319 nonpoint assessment submitted to EPA. See 40 CFR §130.7(b)(5). In addition to these minimum categories, Territories are required to consider any other data and information that is existing and readily available. EPA's 2006 Guidance describes categories of water quality-related data and information that may be existing and readily available. See Guidance for 2006 Assessment, Listing, and Reporting Requirements Pursuant to Sections 303(d), 305(b), and 314 of the Clean Water Act, EPA Office of Water, 2005, Section V ("EPA's 2006 Guidance"). While Territories are required to evaluate all existing and readily available water quality-related data and information, Territories may decide to rely or not rely on particular data or information in determining whether to list particular waters.

In addition to requiring Territories to assemble and evaluate all existing and readily available water quality-related data and information, EPA regulations at 40 CFR §130.7(b)(6) require Territories to include, as part of their submittals to EPA, documentation to support decisions to rely or not rely on particular data and information and decisions to list or not list waters. Such documentation needs to include, at a minimum, the following information: (1) a description of the methodology used to develop the list; (2) a description of the data and information used to identify waters; and (3) any other reasonable information requested by the Region.

Priority Ranking

EPA regulations also codify and interpret the requirement in Section 303(d)(1)(A) of the Act that Territories establish a priority ranking for listed waters. The regulations at 40 CFR §130.7(b)(4) require Territories to prioritize waters on their Section 303(d) lists for TMDL development, and also to identify those water quality-limited segments (WQLSs) targeted for TMDL development in the next two years. In prioritizing and targeting waters, Territories must, at a minimum, take into account the severity of the pollution and the uses to be made of such waters. See Section 303(d)(1)(A). As long as these factors are taken into account, the Act provides that Territories establish priorities. Territories may consider other factors relevant to prioritizing waters for TMDL development, including immediate programmatic needs, vulnerability of particular waters as aquatic habitat, recreational, economic, and aesthetic importance of particular waters, degree of public interest and support, and Territory or national policies and priorities. See 57 FR 33040, 33045 (July 24, 1992) and EPA's 2006 Guidance with subsequent supplements in 2008, 2010, 2012, 2014, and 2016.

Analysis of American Samoa's Submittal

Identification of Waters and Consideration of Existing and Readily Available Water Quality-Related Data and Information

EPA has reviewed the Territory's submittal and has concluded that the Territory developed its Section 303(d) list in compliance with Section 303(d) of the Act and 40 CFR §130.7. EPA's review is based on its analysis of whether the Territory reasonably considered existing and

ENCLOSURE

readily available water quality-related data and information and reasonably identified waters required to be listed.

American Samoa assembled data and information from the Territory's water quality monitoring program as well as several other water quality assessment reports prepared by other researchers (Integrated Report, pp. 12-13). The Territory considered each of the data and information sources identified in 40 CFR §130.7(b)(5). The Territory applied a straightforward set of listing criteria that closely follows EPA's 1997 and 2002 assessment methods recommendations (Integrated Report, pp. 13-22). EPA concludes the Territory followed EPA's 2006 Integrated Report guidance and properly assembled and evaluated all existing and readily available data and information, including data and information relating to the categories of waters specified in 40 CFR §130.7(b)(5). EPA also finds that the listing criteria are consistent with federal listing requirements and that those criteria were applied in a consistent and reasonable manner in compiling the list.

The Territory properly listed waters with nonpoint sources causing or expected to cause impairment, consistent with Section 303(d) and EPA guidance. Section 303(d) lists are to include all WQLSs still needing TMDLs, regardless of whether the source of the impairment is a point and/or nonpoint source. EPA's long-standing interpretation is that Section 303(d) applies to waters impacted by point and/or nonpoint sources. In *Pronsolino v. Marcus*, the District Court for the Northern District of California held that section 303(d) of the Clean Water Act (CWA) authorizes EPA to identify and establish total maximum daily loads (TMDLs) for waters impaired by nonpoint sources. See *Pronsolino et al. v. Marcus et al.*, 91 F.Supp.2d 1337, 1347 (N.D.Ca. 2000), *Pronsolino v. Nastri*, 291 F.3d 1123 (9th Cir 2006). See also EPA's 2006 Guidance and National Clarifying Guidance for 1998 Section 303(d) Lists, Aug. 27, 1997.

Priority Ranking and Targeting

EPA also reviewed the Territory's priority ranking of listed waters for TMDL development, and concludes that the Territory properly took into account the severity of pollution and the uses to be made of such waters, as well as other relevant factors. In addition, EPA reviewed the Territory's identification of high priority WQLSs targeted for TMDL development, and concludes that the targeted water segments are appropriate for TMDL development in the near future (Table A3. 2016 303(d) and TMDL Priority List). We look forward to working with the Territory to develop TMDLs for these high priority segments and anticipate submittal in the near future.

Good Cause for Delisting

There were no waterbodies or pollutants delisted from the 303(d) based on attainment of water quality standards.

ENCLOSURE

TMDLs Completed Since the Previous 303(d) List

American Samoa completed the *American Samoa Bacteria TMDLs for Beaches and Streams*, which was approved by EPA in 2015. These TMDLs address the bacteria listings for 21 beaches and 21 streams in American Samoa and represent a significant accomplishment in addressing American Samoa's 303(d)-listed waters.

Watershed Number	Watershed Name	Waterbody Type	Watershed Number	Watershed Name	Waterbody Type
1	Poloa	Stream	3	Moloata	Ocean Shoreline
2	Fagalii	Stream	8	Fagasa	Ocean Shoreline
3	Moloata	Stream	10	Vatia	Ocean Shoreline
4	Fagamalo	Stream	11	Afono	Ocean Shoreline
5	Aolouau Sisifo	Stream	12	Masefau	Ocean Shoreline
7	Aasu	Stream	13	Masausi	Ocean Shoreline
8	Fagasa	Stream	14	Sailele	Ocean Shoreline
9	Fagatuitui	Stream	15	Aoa	Ocean Shoreline
10	Vatia	Stream	16	Olenoa	Ocean Shoreline
12	Masefau	Stream	20	Amouli	Ocean Shoreline
13	Masausi	Stream	21	Fagaitua	Ocean Shoreline
18	Alao	Stream	22	Alega	Ocean Shoreline
19	Auasi	Stream	23	Laulii Aumi	Ocean Shoreline
21	Fagaitua	Stream	24	Pago Pago	Ocean Shoreline
22	Alega	Stream	25	Fagaalu	Ocean Shoreline
23	Laulii Aumi	Stream	26	Matuu	Ocean Shoreline
24	Pago Pago	Stream	27	Nuuuli Pala	Ocean Shoreline
25	Fagaalu	Stream	30	Leone	Ocean Shoreline
26	Matuu	Stream	31	Afao Asili	Ocean Shoreline
27	Nuuuli Pala	Stream	32	Nua- Seetaga	Ocean Shoreline
30	Leone	Stream	33	Amanave	Ocean Shoreline

GEPA provided supplemental information on August 10, 2016 which clarified that the above water bodies and pollutants, now addressed by an EPA-approved enterococcus TMDL, are no longer listed on their 303(d) list.

ENCLOSURE

303(d) listings in American Samoa's Integrated Report¹

Watershed Number	Watershed Name	Pollutant(s)	Waterbody Type
2	Fagalii	Total Nitrogen, Total Phosphorus, Turbidity, Dissolved Oxygen	Stream
7	Aasu	Total Nitrogen, Total Phosphorus	Stream
10	Vatia	Total Nitrogen, Turbidity, Dissolved Oxygen	Stream
12	Masefau	Total Nitrogen, Total Phosphorus, Turbidity, Dissolved Oxygen	Stream
13	Masausi	Total Nitrogen, Total Phosphorus, Turbidity	Stream
18	Alao	Total Nitrogen, Total Phosphorus, Turbidity, Dissolved Oxygen	Stream
20	Amouli	Total Nitrogen, Total Phosphorus, Turbidity, Dissolved Oxygen	Stream
21	Fagaitua	Total Nitrogen, Total Phosphorus, Turbidity, Dissolved Oxygen	Stream
22	Alega	Total Nitrogen, Total Phosphorus, Turbidity	Stream
23	Laulii Aumi	Total Nitrogen, Total Phosphorus, Turbidity	Stream
24	Pago Pago	Total Nitrogen, Total Phosphorus, Turbidity, Dissolved Oxygen	Stream
25	Fagaalu	Total Nitrogen, Total Phosphorus, Turbidity	Stream
26	Matuu	Total Nitrogen, Total Phosphorus, Turbidity, Dissolved Oxygen	Stream
27	Nuuuli Pala	Total Nitrogen, Total Phosphorus, Turbidity, Dissolved Oxygen	Stream
30	Leone	Total Nitrogen, Total Phosphorus, Turbidity, Dissolved Oxygen	Stream
32	Nua-Seetaga	Turbidity, Enterococcus	Stream
7	Aasu	Undetermined NPS Stressor	Ocean Shoreline
8	Fagasa	Undetermined NPS Stressor	Ocean Shoreline
12	Masefau	Undetermined NPS Stressor	Ocean Shoreline
14	Sailele	Undetermined NPS Stressor	Ocean Shoreline
15	Aoa	Undetermined NPS Stressor	Ocean Shoreline
21	Fagaitua	Undetermined NPS Stressor	Ocean Shoreline
23	Laulii Aumi	Undetermined NPS Stressor	Ocean Shoreline
25	Fagaalu	Undetermined NPS Stressor	Ocean Shoreline
26	Matuu	Undetermined NPS Stressor	Ocean Shoreline
28	Tafuna Plain	Undetermined NPS Stressor	Ocean Shoreline
29	Fagatele-Larson	Undetermined NPS Stressor	Ocean Shoreline
30	Leone	Undetermined NPS Stressor	Ocean Shoreline

¹ From Appendix A: Table A3, final corrected table submitted to EPA on August 10, 2016.

ENCLOSURE

Public Comments

The public participation process sponsored by the American Samoa Environmental Protection Agency (ASEPA) included a solicitation of public comment through its website and by newspaper advertisements. The 32-day comment period began on April 22, 2016. No comments were received on American Samoa's 2016 Section 303(d) list.

Administrative Record Supporting This Action

In support of this decision to approve the Territory's listing decisions, EPA carefully reviewed the materials submitted by the Territory with its 303(d) listing decision. The administrative record supporting EPA's decision is comprised of the integrated assessment report and supporting documentation submitted by the Territory, associated federal regulations, EPA guidance concerning preparation of Section 303(d) lists, and the decision letter and supporting staff report. EPA determined that the materials provided by the Territory with its submittal provided sufficient documentation to support our analysis and findings that the Territory listing decisions meet the requirements of the Clean Water Act and associated federal regulations. We are aware that the Territory compiled and considered additional materials (e.g. raw data and water quality analysis reports) as part of its list development process that were not included in the materials submitted to EPA. EPA did not consider these additional materials as part of its review of the listing submittal. It was unnecessary for EPA to consider all of the materials considered by the Territory in order to determine that, based on the materials submitted to EPA by the Territory, the Territory complied with the applicable federal listing requirements. Moreover, federal regulations do not require the Territory to submit all data and information considered as part of the listing submittal.

ENCLOSURE

References

The following documents were used directly or indirectly as a basis for EPA's review of the Territory's 303(d) water body list. This list is not meant to be an exhaustive list of all records reviewed, but the primary documents the Region relied upon in making its decisions to approve the Territory's list.

Submittal

Final Submittal of Guam 2016 Integrated Report (IR), which includes Guam's 305(b) assessment, Clean Water Act 303(d) List of impaired waterbodies, Letter and Enclosures from Yvette L.G. Cruz to Tomás Torres, March 30, 2016.

Supplemental Information from Guam, including typo corrections to Appendix A: use assessment status and update of the 303(d) table to remove listings already addressed by the 2015 Enterococcus TMDL. Email and attachment from Jewel Tuiasosopo to Dave Guiliano, August 10, 2016.

Other Documents

December 28, 1978 Federal Register Notice, Total Maximum Daily Loads Under Clean Water Act, finalizing EPA's identification of pollutants suitable for TMDL calculations. 43 Fed. Reg. 60662.

January 11, 1985 Federal Register Notice, 40 CFR Parts 35 and 130, Water Quality Planning and Management: Final Rule, 50 Fed. Reg. 1774.

April 1991, "Guidance for Water Quality-Based Decisions: The TMDL Process," EPA 440/4-91-001.

July 24, 1992 Federal Register Notice, 40 CFR Parts 122, 123, 130, revision of regulation, 57 Fed. Reg. 33040.

40 CFR Part 130 Water Quality Planning and Management.

September, 1997 guidance from Office of Water, Headquarters, US EPA regarding Guidelines for Preparation of the Comprehensive State Water Quality Assessments (305(b) Reports) and Electronic Updates: Supplement, EPA-841-B-97-002B.

Consolidated Assessment and Listing Methodology, EPA Office of Water, July 2002.

Guidance for 2004 Assessment, Listing and Reporting Requirements Pursuant to Sections 303(d) and 305(b) of the Clean Water Act, Diane Regas, EPA Office of Wetlands, Oceans, and Watersheds. July 21, 2003.

ENCLOSURE

Guidance for 2006 Assessment, Listing and Reporting Requirements Pursuant to Sections 303(d), 305(b) and 314 of the Clean Water Act, Diane Regas, EPA Office of Wetlands, Oceans, and Watersheds, July 29, 2005.

Information Concerning 2008 Clean Water Act Sections 303(d), 305(b), and 314 Integrated Reporting and Listing Decisions, Diane Regas, EPA Office of Wetlands, Oceans, and Watersheds, October 12, 2006.

Information Concerning 2010 Clean Water Act Sections 303(d), 305(b), and 314 Integrated Reporting and Listing Decisions, Suzanne Schwartz, Office of Wetlands, Oceans, and Watersheds, May 5, 2009.

Information Concerning 2012 Clean Water Act Sections 303(d), 305(b), and 314 Integrated Reporting and Listing Decisions, Denise Keehner, Office of Wetlands, Oceans, and Watersheds, March 21, 2011.

Information Concerning 2014 Clean Water Act Sections 303(d), 305(b), and 314 Integrated Reporting and Listing Decisions, Denise Keehner, Office of Wetlands, Oceans, and Watersheds, September 3, 2013.

Information Concerning 2016 Clean Water Act Sections 303(d), 305(b), and 314 Integrated Reporting and Listing Decisions, Benita Best-Wong, Office of Wetlands, Oceans, and Watersheds, August 13, 2015.