



DEPARTMENT OF THE NAVY

U.S. NAVAL BASE GUAM
PSC 455 BOX 152
FPO AP 96540-1000

5090
Ser EV/083
July 26, 2023

Mr. Tyrone J. Taitano
Director
Guam Coastal Management Program
P.O. Box 2950
Hagatna, Guam 96932

SUBJECT: NOTIFICATION OF NEGATIVE DETERMINATION FOR THE AHWWT
OUTFALL #001 USEPA NPDES PERMIT ON NAVAL BASE GUAM

U.S. Naval Base Guam (NBG) has filed an application for the renewal of the U.S. Environmental Protection Agency (USEPA) National Pollutant Discharge Elimination System (NPDES) Permit. The permit number is GU0110019 and it is for the Apra Harbor Waste Water Treatment Plant (AHWWTP) Outfall #001, which is the common Navy/Guam Waterworks Authority (GWA) outfall in Tipalao Bay. This letter provides documentation that NBG has determined through an effects test that the proposed activity will not affect Guam coastal waters per 15 CFR 930.35(c).

NBG proposes to continue using the NBG/GWA joint use outfall as it does in the current permit. The application is a routine renewal application for a NPDES permit with an existing outfall. The discharge will be consistent with that in the current permit and will not increase loading of any contaminant. Also, no reasonable foreseeable effects will impact Guam's Coastal Zone as a result of the renewal of this permit as no new construction is involved. NBG submits this official notification letter along with a Guam Coastal Management Program Assessment Form as Enclosure (1). Refer to Enclosure (2) for a copy of the USEPA NPDES permit related documents for additional details. Furthermore, a new Guam Environmental Protection Agency Section 401 Water Quality Certification (WQC) is needed for this permit to be issued to NBG. Please refer to Enclosure (3) for details of previous submittals for Guam Coastal Management Program and previous GEPA 401 WQC documents.

In accordance with 15 CFR 930.35(c), if NBG does not receive a response within 60 days, the Navy shall presume concurrence with the negative determination. My point of contact regarding this matter is Mr. Ramon J. Camacho. He may be reached by phone at (671)339-3711 or email at ramon.camacho@fe.navy.mil.

Sincerely,

E. E. Moon
Installation Environmental Program Director
By Direction of the Commanding Officer

- Enclosures: 1. Guam Coastal Management Program Assessment Form
2. USEPA NPDES Permit Related Documents for the AHWWT Outfall #001 on NBG
3. Copies of Previous Permit Guam Related Letters and Certifications

Copy to: Guam Environmental Protection Agency Administrator

Guam
Coastal
Management
Program
Assessment
Form

GUAM COASTAL MANAGEMENT PROGRAM ASSESSMENT FORM

Date of Application:

February 15, 2022

Name of Applicant: Commanding Officer, U.S. Naval Base Guam

Address: U.S. Naval Base Guam
PSC 455, Box 152
FPO AP, Guam 96540-1000

Telephone No.:

671-339-4100

Title of Proposed Project:

Federal Consistency Concurrence Request for the permit renewal of U.S. Naval Base Guam's Apra Harbor Waste Water Treatment Plant (AHHWTP) Outfall #001 USEPA NPDES Permit No. GU0110019

Other applicable area(s) affected, if appropriate:

N/A

Est. Start Date: Ongoing Est. Duration: Ongoing

AGENCY REPRESENTATIVE INFORMATION

Name & Title: Janet Parish, Environmental Engineer

Agency/Organization: United States Environmental Protection Agency

Address: USEPA, Region IX,
NPDES Permits Section
(WTR-2-3)
75 Hawthorne St.
San Francisco, CA 94105

Telephone No. during business hours:

(415) 972-3456

CATEGORY OF APPLICATION (check one only)

- ☐ I Federal Agency Activity
- ☒ II Permit or License
- ☐ III Grants & Assistance

TYPE OF STATEMENT (check one only)

☐ Consistency

☐ General Consistency (Category I only)

☒ Negative Determination (Category I only)

☐ Non-Consistency (Category I only)

FEDERAL AUTHORITY FOR ACTIVITY

40 CFR 122

OTHER TERRITORIAL APPROVALS REQUIRED

Agency	Type of Approval	Application Date	Status
Guam EPA	401 Certification		

COMPLETE FOLLOWING PAGES FOR BUREAU OF PLANNING ONLY:

DATE APPLICATION RECEIVED:

OCRM NOTIFIED: _____ LC. AGENCY NOTIFIED: _____

APPLICANT NOTIFIED: _____ PUBLIC NOTICE

GIVEN: _____

OTHER AGENCY REVIEW REQUESTED:

**DETERMINATION: ☐ CONSISTENT ☐ NON-CONSISTENT ☐ FURTHER
INFORMATION REQUESTED**

OCRM NOTIFIED: _____ LIC. AGENCY NOTIFIED: _____

APPLICANT NOTIFIED: _____

ACTION LOG:

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

DATE REVIEW COMPLETED:

Project Description

The U.S. Environmental Protection Agency (USEPA) Region IX is proposing to issue a permit renewal to the Naval Base Guam for National Pollutant Discharge Elimination System (NPDES) permit number GU0110019. USEPA Region 9 issued the draft permit and related permit fact sheet on March 2, 2022. The AHWWT facilities and Outfall #001 do have a direct connection to a waters of the U.S.; and potentially do impact the coastal waters of Tipalao Bay in Orote, Guam. The enclosed NPDES Permit Fact Sheet contains essential background information and permit details. The discharges regulated by the permit would consist primarily of waste water system treated water, but could also include certain specified pollutants in any discharges as noted by Guam Water Quality Standards. The waters would be Tipalao Bay and potentially the coastal waters of Guam should currents be actively occurring.

The permit requires sampling and mitigations should any permit discharge exceedances occur. Under the Clean Water Act, discharge monitoring is required as well as 24 hour notification for exceedances and monthly reporting, quarter reporting, and annual reporting to USEPA and Guam EPA. Additional information concerning the permit can be found in the NPDES Permit Fact Sheet.

Summary of Findings

This activity is subject to review by the Guam Bureau of Statistics and Plans for consistency with the Guam Coastal Management Program. The applicant has reviewed Guam Coastal Management policies; discussion for each policy may be found below:

DEVELOPMENT POLICIES (DP):

DP1. Shore Area Development

Intent: To ensure environmental and aesthetic compatibility of shore area land uses.

Policy: Only those uses shall be located within the Seashore Reserve which:

- enhance, are compatible with or do not generally detract from the surrounding coastal area's aesthetic and environmental quality and beach accessibility;
- can demonstrate dependence on such a location and the lack of feasible alternative sites.

Discussion: The requirements of the AHHWTP Outfall #001 permit do not directly affect this aspect of shore area development. However, the permit does not specify the locations where any such infrastructure would need to be constructed, and the permittee would have the flexibility to avoid or minimize the siting of such infrastructure in the Seashore Reserve, thereby ensuring consistency with the policy.

DP2. Urban Development

Intent: To cluster high impact uses such that coherent community design, function, infrastructure support and environmental compatibility are assured.

Policy: Commercial, multi-family, industrial and resort-hotel zone uses and uses requiring high levels of support facilities shall be concentrated within urban districts as outlined on the Land Use Districting Map.

Discussion: The requirements of the AHHWTP Outfall #001 permit do not directly affect this aspect of urban development. However, the EPA stormwater program encourages consideration of the principles laid out in EPA's smart growth program (<https://www.epa.gov/smartgrowth>), which are consistent with the GCMP policy and would promote implementation of the policy.

DP3. Rural Development

Intent: To provide a development pattern compatible with environmental and infrastructure support suitability and which can permit traditional lifestyle patterns to continue to the extent practicable.

Policy: Rural districts shall be designated in which only low density residential and agricultural uses will be acceptable. Minimum lot size for these uses should be one-half acre until adequate infrastructure including functional sewerage is provided.

Discussion: The AHHWTP Outfall #001 permit requirements do not interfere with the development pattern that is intended by this policy.

DP4. Major Facility Siting

Intent: To include the national interest in analyzing the siting proposals for major utilities, fuel, and transport facilities.

Policy: In evaluating the consistency of proposed major facilities with the goals, policies, and standards of the Comprehensive Development and Coastal Management Plans, the Territory shall recognize the national interest in the siting of such facilities including those associated with electric power production and transmission, petroleum refining and transmission, port and air installations, solid waste disposal, sewage treatment and major reservoir sites.

Discussion: The siting of such facilities is not affected by the AHHWTP Outfall #001 permit.

DP5. Hazardous Areas

Intent: Development in hazardous areas will be governed by the degree of hazard and the land use regulations.

Policy: Identified hazardous lands, including flood plains, erosion-prone areas, air installations, crash and sound zones and major fault lines shall be developed only to the extent that such development does not pose unreasonable risks to the health, safety or welfare of the people of Guam, and complies with the land use regulations.

Discussion: The hazardous areas aspects are not affected by the AHHWTP Outfall #001 permit.

DP6. Housing

Intent: To promote efficient community design placed where the resources can support it.

Policy: The government shall encourage efficient design of residential areas, restrict such development in areas highly susceptible to natural and manmade hazards, and recognize the limitations of the island's resources to support historical patterns of residential development.

Discussion: The AHWWTTP Outfall #001 permit requirements do not directly affect the location of residential development. However, the EPA stormwater program encourages consideration of the principles laid out in EPA's smart growth program, which are consistent with the GCMP policy and would promote implementation of the policy.

DP7. Transportation

Intent: To provide transportation system while protecting potentially impacted resources.

Policy: The Territory shall develop an efficient and safe transportation system, while limiting adverse environmental impacts on primary aquifers, beaches, estuaries and other coastal resources.

Discussion: The AHWWTTP Outfall #001 permit requires no transportation and no significant related impacts.

DP8. Erosion and Siltation

Intent: To control development where erosion and siltation damage is likely to occur.

Policy: Development shall be limited in areas of 15% or greater slope by requiring strict compliance with erosion, sedimentation, and land use districting guidelines, as well as other related land use standards for such areas.

Discussion: The AHWWTTP Outfall #001 permit does not directly affect the location where development would occur, as the area is heavily vegetated and no discharge has occurred in over 10 years. However, any discharge would be sampled and inspected to address any impacts and appropriate corrective actions would be performed as needed.

RESOURCES POLICIES (RP):

RP1. Air Quality

Intent: To control activities to insure good air quality.

Policy: All activities and uses shall comply with all local air pollution regulations and all appropriate Federal air quality standards in order to ensure the maintenance of Guam's relatively high air quality.

Discussion: *No significant air pollution will be released as a result of the permit.*

RP2. Water Quality

Intent: To control activities that may degrade Guam's drinking, recreational, and ecologically sensitive waters.

Policy: Safe drinking water shall be assured and aquatic recreation sites shall be protected through the regulation of uses and discharges that pose a pollution threat to Guam's waters, particularly in estuaries, reef, and aquifer areas.

Discussion: *The AHWWT Outfall #001 permit would require that pollutants in the discharges be controlled as necessary to comply with Guam Water Quality Standards and other applicable requirements of the Clean Water Act. In this respect, this permit is fully consistent with the intent of the policy, and would further the goals of the policy. Further discussion of the permit and its requirements can be found in the accompanying draft permit and fact sheet.*

RP3. Fragile Areas

Intent: To protect significant cultural areas, and natural marine and terrestrial wildlife and plant habitats.

Policy: Development in the following types of fragile areas shall be regulated to protect their unique character:

- historical and archeological sites
- wildlife habitats
- pristine marine and terrestrial communities
- limestone forests
- mangrove stands and other wetlands

Discussion: *The AHWWT Outfall #001 permit does not require any new construction, as everything is already in place and in current use and this permit would also require that pollutants in the discharges be controlled as necessary to comply with Guam Water Quality Standards and other applicable requirements of the Clean Water Act. In so doing, the permit would help to protect the above areas and resources.*

RP4. Living Marine Resources

Intent: To protect marine resources in Guam's waters.

Policy: All living resources within the territorial waters of Guam, particularly corals and fish, shall be protected from over harvesting and, in the case of marine mammals, from any taking whatsoever.

Discussion: *The AHWWTTP Outfall #001 permit does not affect the degree of harvesting of marine resources. The permit would require that pollutants in the discharges be controlled as necessary to comply with Guam Water Quality Standards and other applicable requirements of the Clean Water Act. In so doing, the permit would help to protect marine resources.*

RP5. Visual Quality

Intent: To protect the quality of Guam's natural scenic beauty.

Policy: Preservation and enhancement of, and respect for the island's scenic resources shall be encouraged through increased enforcement of and compliance with sign, litter, zoning, subdivision, building and related land-use laws. Visually objectionable uses shall be located to the maximum extent practicable so as not to degrade significant views from scenic overlooks, highways and trails.

Discussion: *The AHWWTTP Outfall #001 permit requirements would not affect visual resources.*

RP6. Recreation Areas

Intent: To encourage environmentally compatible recreational development.

Policy: The Government of Guam shall encourage development of varied types of recreational facilities located and maintained so as to be compatible with the surrounding environment and land uses, adequately serve community centers and urban areas and protect beaches and such passive recreational areas as wildlife and marine conservation areas, scenic overlooks, parks and historical sites.

Discussion: *The AHWWTTP Outfall #001 permit would not affect the type of recreational facilities that could be constructed. The permit would, however, require that pollutants in the discharges be controlled as necessary to comply with Guam Water Quality Standards and other applicable requirements of the Clean Water Act. In so doing, the permit would help to ensure that Guam water resources are protected for recreation.*

RP7. Public Access

Intent: To ensure the right of public access.

Policy: The public's right of unrestricted access shall be ensured to all non-federally owned beach areas and all Territorial recreation areas, parks, scenic overlooks, designated conservation areas and their public lands; and agreements shall be encouraged with the owners of private and federal property for the provision of releasable access to and use of resources of public nature located on such land.

Discussion: *The AHWWTTP Outfall #001 permit would not affect the public's right of*

access to areas covered by the policy.

RP8. Agricultural Lands

Intent: To stop urban types of development on agricultural land.

Policy: Critical agricultural land shall be preserved and maintained for agricultural use.

Discussion: *The AHWWTTP Outfall #001 permit does not directly affect the location where urban development would occur. However, the EPA stormwater program encourages consideration of the principles laid out in EPA's smart growth program, which are consistent with the GCMP policy and would promote implementation of the policy.*

Copies of Previous Permit Guam Related Letters and Certifications

Enclosure 2



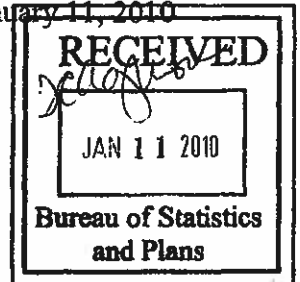
DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND MARIANAS
PSC 455, BOX 195
FPO AP 96540-2937

IN REPLY REFER TO:

5090

Ser EV/ 709

January 11, 2010



Mr. Alberto A. Lamorena
Director
Bureau of Statistics and Plans
P.O. Box 2950
Hagatna, Guam 96932

Dear Mr. Lamorena

SUBJECT: NEGATIVE DETERMINATION OF THE DISCHARGE ASSOCIATED WITH
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
PERMIT GU0110019

The US Navy has filed an application for the renewal of our NPDES Permit No. GU0110019 to the common outfall into the Tiplao Bay. This letter provides documentation that the Navy has determined through an effects test that the proposed activity will not affect Guam coastal waters per 15 CFR 930.35 (c).

The Navy proposes to continue using the Navy/GWA joint use outfall as it does in the current permit. The application is a routine renewal application for a NPDES permit with an existing outfall. The discharge will be consistent with that in the current permit and will not increase loading of any contaminant. Enclosed is a map of the area impacted which identifies the location of the outfall as well as the receiving water monitoring stations, ambient station and the boundary of Federal submerged lands. These locations were identified using GIS coordinates as specified in the permit. The enclosed map clearly shows that the even the ambient station which is beyond the area of anticipated effects remains on Federal submerged lands which are not included in Guam's Coastal Zone. The Navy has completed an "effects" test and has determined that no reasonable foreseeable effects to Guam's Coastal Zone exist as a result of the renewal of this permit.

The Navy activities associated with the NPDES permit will be carried out in a manner that is consistent to the maximum extent practicable with the enforceable policies of the Guam approved Coastal Management Program.

"SAFETY FIRST"

SUBJECT: NEGATIVE DETERMINATION OF THE DISCHARGE ASSOCIATED WITH
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT
GU0110019

If the Guam Bureau of Statistics and Plans does not respond within 60 days, the Navy shall presume concurrence with the negative determination as per 15 CFR 930.35 (c). If you have any questions or require additional information, please contact is Ms. Maria Lewis at (671) 339-4535 or email at maria.lewis@fe.navy.mil.

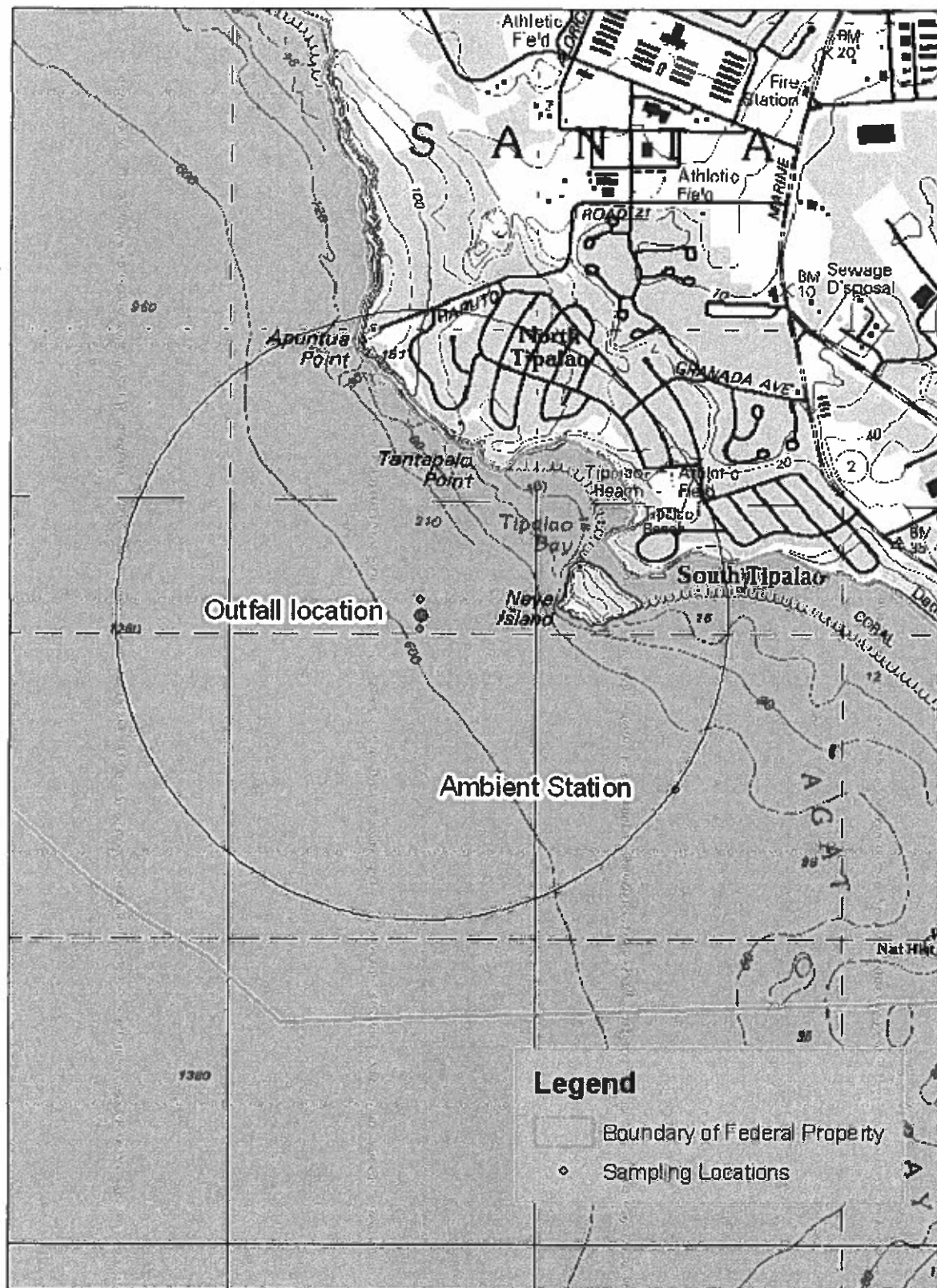
Sincerely,



RICK RAINES, P.E.
Environmental Coordinator
By Direction of the
Commanding Officer

Enclosure: 1. Joint Use Outfall Map

Joint Use Outfall





GUAM ENVIRONMENTAL PROTECTION AGENCY

AMENSIAK PROTUKSION LINA'LA GUAMAN

P.O. Box 22439 GMF • BARRIGADA, GUAM 96921 • TEL: 475-1658/9 • FAX: 477-9402

Mr. Richard Remigio
NPDES Permit Office
United States Environmental Protection Agency, Region 9
75 Hawthorne Street
San Francisco, CA 94105

RE: Section 401 Water Quality Certification for NPDES Permit (Renewal for Apra Harbor Common Outfall Discharge, US Navy c/o USEPA, Region 9),
401 WQC 09-07

Dear Mr. Remigio,

The Guam Environmental Protection Agency (Guam EPA) has reviewed the above subject application for the renewal of the USEPA issued National Pollutant Discharge Elimination System permit (NPDES) GU011019 for the common outfall, serial discharge No.001, located at 13°24'48"N. 144°38'30"E, within Tipalao Bay, Guam. The Water Quality at this location is categorized as "M-2" (Good), supporting primary and secondary water activities which include recreational boating, fishing, swimming, and SCUBA diving.

Guam EPA endorses the attached NPDES permit GU011019, which establishes more protective effluent limits and increased monitoring requirements on the discharger, to ensure that all applicable Guam Water Quality Standards are met. But in reviewing the previous Guam EPA Section 401 WQC for this permit, it was found that several permit conditions were not met (see attached document dated February 14, 2001 Water Quality Certification). Specifically item #4, which states that for any metals exceedances the discharger will "...conduct a formal and comprehensive Environmental Impact Statement (EIS)..." The discharger has had NPDES exceedances in Nickel, Aluminum, and Copper during the time periods of 2008FY and 2009FY (Apra Harbor WWTP, NPDES Permit GU110019, Discharge Monitoring Report Summary (DMRS) and has not submitted any documentation to meet this requirement.

In 2009 FY: Nickel had 8 violation exceedances (7 in a row), Aluminum had 12 violations (12 in a row), and Copper had 10 violation exceedances (8 in a row). For 2008 FY: Nickel had 12 violation exceedances (12 consecutively), Aluminum had 12 violations (12 in a row), and Copper had 12 violation exceedances (12 in a row). Also no formal request has been made to Guam EPA to continue the associated "Mixing Zone".

"ALL LIVING THINGS OF THE EARTH ARE ONE"

For the purposes of this certification significant non-compliance is defined as any exceedance of metals permit effluent limitation (monthly average or daily maximum) for any four or more months during a six month period. This requirement does not relieve the permittee from taking immediate action(s) whenever there is an exceedance of a permit limitation.

Therefore, Guam EPA is issuing a “**CONDITIONAL**” Section 401 Water Quality Certification for this discharge until all original permit conditions and the following new conditions are met.

Water Quality Monitoring:

Water Quality Monitoring is required in the NPDES Permit to ensure existing designated uses and the level of water quality necessary to protect the existing uses be maintained. Water Quality Monitoring will follow parameters and frequency identified in the NPDES Permit GU011019.

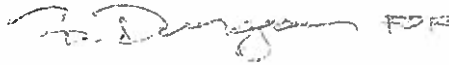
Additionally, any sustained or significant water quality discharge exceedance shall require increase frequency in monitoring and reporting to Guam EPA. These increases will be based on parameter, frequency and concentration of the exceedance.

Water Quality Certification conditions may be added, amended, or changed and/or Water Quality Certification suspended or revoked to ensure discharge is in compliance with Guam Water Quality Standards. Water Quality Certification conditions are as follows:

1. The permittee shall be required to prepare an Environmental Impact Statement (EIS) or Environmental Assessment (EA) acceptable to GEPA if a determination of significant non-compliance occurs three or more times over the life span of the NPDES GU011019 permit. The discharger will submit the required EIS or EA for all exceedances as identified in the Discharge Monitoring Reports within an agreed upon time table. Failure to provide the required EIS will suspend or void this Water Quality Certification and fines will be levied.
2. The discharger will submit a Mixing Zone Application with all corresponding calculations and justifications being requested within six (6) months of the issuance of the 401 Water Quality Certification.
3. The discharger will continue to monitor for the following chlorinated pesticides: DDT, DDD, DDE, Chlordane, Cis-nonachlor, Chlorbenzene, Heptachlor, Oxychlordane, Aldrin, BHC, Dieldrin, Endrin, and Endosulfan II, as previous investigations within the receiving waters resulted in detected levels of these chemicals in fish tissue.

4. The discharger shall adhere to NPDES Water Quality Monitoring and reporting requirements and 401 WQC permit conditions. Water Quality Monitoring for the receiving water shall also include **Copper, Nickel, Aluminum, Total Ammonia (acute), Total Ammonia (chronic) and Total Residual Chlorine (chronic)** in the effluent, which were relatively high and exceeded water quality standards. The discharger shall comply with the Guam Water Quality Standards WET Permit Limits for toxicity until end of the current NPDES permit.
5. Best Judgment and Management Practices shall be implemented to prevent or minimize water quality degradation.
6. The discharger shall take immediate corrective actions or engineering measures to address significant non-compliance with water degradation and/or environmental problems and notify the Agency within 24 hours.
7. The discharger will adhere to any conditions and requirements set forth by the Guam Coastal Management Program, the Bureau of Statistics and Plans.

Sincerely,



LORILEE T. CRISOSTOMO
Administrator

Attachments:

- *Section 401 Water Quality Certificate
- *Apra Harbor WWTP NPDES GU0110019 2008 and 2009 Discharge Monitoring Report Summaries
- * February 14, 2001 401WQC for NPDES GU011019 US Navy Apra Harbor Waste Water Treatment Plant

CC: ACOE, Guam Office
Bureau of Statistics & Plans, GCMP
Dept. of Agriculture, DAWR



GUAM ENVIRONMENTAL PROTECTION AGENCY

Section 401 Water Quality Certification: CONDITIONAL

Section 401 Water Quality Certification for NPDES (Permit Renewal for Apra Harbor Common Outfall Discharge, US Navy c/o Mr. Richard Remigio, USEPA, Region 9)

The Guam Environmental Protection Agency hereby issues a CONDITIONAL Section 401 Water Quality Certification: **401WQC 09-07** in accordance with the Clean Water Act, Public Law 95-127 and the Guam Water Quality Standards 2001 Revisions (GWQS), pursuant to the Guam Water Pollution Control Act, Chapter 47, Title 10 GCA. These discharge limits are authorized under Guam's anti-degradation policy GWQS 5101.B.

This CONDITIONAL Section 401 Water Quality Certification permit is only valid until all permit conditions are met. Then a new full 401WQC will be issued and will be valid for 5 years or until the associated NPDES GU0011019 expires.

The issuance of Water Quality Certification does not exempt or waive any other local and federal requirements or allow the applicant to injure or damage surrounding properties.

No person shall willfully deface, alter, forge, counterfeit, or falsify this certification.

A handwritten signature in black ink, appearing to read "L. Crisostomo".

LORILEE T. CRISOSTOMO
Administrator

A handwritten date in black ink, appearing to read "11/27/2009".

Date:

APRA HARBOR WWTP **NPDES Permit No. GU0110019** **2008 N.P.D.E.S. Discharge Monitoring Report Summary**

OUTFALL 001A

	OCT.'07	NOV.'07	DEC.'07	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.
BOD-5 day	8.10-9.80	10.10-12.20	11.5-14.40	10.90-12.50	12.40-14.0	9.10-10.90	14.6-17.5	17.50-19.40	26.4-28.2	21.20-26.2	23.10-30	27.4-32.0
Permit Requirement	30-45 mg/l	30-45 mg/l	30-45 mg/l	30-45 mg/l	30-45 mg/l	30-45 mg/l	30-45 mg/l	30-45 mg/l	30-45 mg/l	30-45 mg/l	30-45 mg/l	30-45 mg/l
pH	7.27-7.43	7.41-7.63	7.19-7.45	7.20-7.30	7.26-7.54	7.26-7.39	7.35-7.56	7.32-7.48	7.44-7.68	7.38-7.63	7.27-7.39	7.35-7.51
Permit Requirement	6-9 su	6-9 su	6-9 su	6-9 su	6-9 su	6-9 su	6-9 su	6-9 su	6-9 su	6-9 su	6-9 su	6-9 su
Total suspended solids	5.70-6.0	7.20-9.60	8.30-10.70	11.30-12.0	5.70-6.0	7.80-8.70	10.10-11.20	9.80-11.10	8.80-12.10	10.7-14.5	12.20-14.70	11.4-13.1
Permit Requirement	30-45 mg/l	30-45 mg/l	30-45 mg/l	30-45 mg/l	30-45 mg/l	30-45 mg/l	30-45 mg/l	30-45 mg/l	30-45 mg/l	30-45 mg/l	30-45 mg/l	30-45 mg/l
Nickel	12.0-12.0	10.60-10.60	17.10-17.10	10.30-10.30	14.80-14.80	12.66-18.0	10.77-11.10	12.00-12.00	13.10-13.10	14.7-14.7	11.0-11.0	13.3-13.3
Permit Requirement	8.2-13 ug/l	8.2-13 ug/l	8.2-13 ug/l	8.2-13 ug/l	8.2-13 ug/l	8.2-13 ug/l	8.2-13 ug/l	8.2-13 ug/l	8.2-13 ug/l	8.2-13 ug/l	8.2-13 ug/l	8.2-13 ug/l
Zinc	38.80-38.80	54.40-54.40	42.50-42.50	NOD(B)	29.10-29.10	21.70-21.70	14.00-14.00	23.10-23.10	18.40-18.40	20.30-20.30	16.9-16.9	16.8-16.8
Permit Requirement	58-95 ug/l	58-95 ug/l	58-95 ug/l	58-95 ug/l	58-95 ug/l	58-95 ug/l	58-95 ug/l	58-95 ug/l	58-95 ug/l	58-95 ug/l	58-95 ug/l	58-95 ug/l
Aluminum	122-122	240-240	145-145	367-367	260-260	461-190	306-554	199-199	158-158	741-741	568-568	397-397
Permit Requirement	120-200 ug/l	120-200 ug/l	120-200 ug/l	120-200 ug/l	120-200 ug/l	120-200 ug/l	120-200 ug/l	120-200 ug/l	120-200 ug/l	120-200 ug/l	120-200 ug/l	120-200 ug/l
Copper	7.46-7.46	10.50-10.50	9.53-9.53	7.92-7.92	10.70-10.70	7.42-9.05	4.28-5.81	12.2-12.20	4.38-4.38	14.80-14.80	9.57-9.57	3.66-3.66
Permit Requirement	2.9-4.8 ug/l	2.9-4.8 ug/l	2.9-4.8 ug/l	2.9-4.8 ug/l	2.9-4.8 ug/l	2.9-4.8 ug/l	2.9-4.8 ug/l	2.9-4.8 ug/l	2.9-4.8 ug/l	2.9-4.8 ug/l	2.9-4.8 ug/l	2.9-4.8 ug/l
Oil & Grease	1.39-1.39	NOD(B)	NOD(B)	NOD(B)	2.34-2.34	1.41-1.41	1.58-1.67	1.36-1.36	NOD(B)	NOD(B)	NOD(B)	1.89-1.89
Permit Requirement	report mo. average	report mo. average	report mo. average	report mo. average	report mo. average	report mo. average	report mo. average	report mo. average	report mo. average	report mo. average	report mo. average	report mo. average
Chlorine residual	4.96-11.20	3.33-7.50	4.07-10.00	2.42-8.75	3.58-22.50	4.64-8.75	3.67-10.00	3.35-7.50	10.31-440	43.10-27.50	3.23-6.25	3.50-6.25
Permit Requirement	7.50-12.30 ug/l	7.50-12.30 ug/l	7.50-12.30 ug/l	7.50-12.30 ug/l	7.50-12.30 ug/l	7.50-12.30 ug/l	7.50-12.30 ug/l	7.50-12.30 ug/l	7.50-12.30 ug/l	7.50-12.30 ug/l	7.50-12.30 ug/l	7.50-12.30 ug/l
Enterococci	1.30-13.90	8.30-20.30	4.50-15.30	1.90-3.10	5.90-95.9	0.84-3.53	2.60-26.0	7.0-69.80	12.0-36.60	44.60-224	61.4-2419.6	13.4-41.4
Permit Requirement	35-57 cfu/100ml	35-57 cfu/100ml	35-57 cfu/100ml	35-57 cfu/100ml	35-57 cfu/100ml	35-57 cfu/100ml	35-57 cfu/100ml	35-57 cfu/100ml	35-57 cfu/100ml	35-57 cfu/100ml	35-57 cfu/100ml	35-57 cfu/100ml
Fecal Coliform	4.60-12.30	14.80-43.0	200-400	4.40-13.30	4.70-25.0	0.84-3.0	3.20-17.70	24.40-426.10	8.4-21.6	24.2-93.9	22.6-217.3	9.53-69.40
Permit Requirement	200-400 cfu/100ml	200-400 cfu/100ml	200-400 cfu/100ml	200-400 cfu/100ml	200-400 cfu/100ml	200-400 cfu/100ml	200-400 cfu/100ml	200-400 cfu/100ml	200-400 cfu/100ml	200-400 cfu/100ml	200-400 cfu/100ml	200-400 cfu/100ml
BOD-5-Day Percent removal	90.20%	86.10%	18.00%	93.70%	84.50%	87.80%	82.40%	81.40%	64.60%	46.40%	61.80%	66.80%
Permit Requirement	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%

APRA HARBOR WWTP
NPDES Permit No. GU0110019
2008 N.P.D.E.S. Discharge Monitoring Report Summary
OUTFALL 001A

	OCT.'07	NOV.'07	DEC.'07	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.
Solids, suspended removal %	96.50%	95.60%	47.00%	98.80%	96.30%	96.90%	94.50%	90.70%	97.00%	82.10%	91.50%	90.80%
Permit Requirement	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%
Ammonia & Ammonium	31.80-65.90	148.2-329	8.38-10.78	20.70-46.30	146-449	156.9-589	1526.1-3270	40.70-74.10	1.20-3.80	0.72-2.88	0-0	3.54-9.08
Permit Requirement	report mo./daily average	report mo./daily average	report mo./daily average	report mo./daily average	report mo./daily average	report mo./daily average	report mo./daily average	report mo./daily average	report mo./daily average	report mo./daily average	report mo./daily average	report mo./daily average

Legend:

Exceedance in permit limits

Permit Requirements

OUTFALL 001A

APRA HARBOR WWTP
NPDES Permit No. GU0110019
2009 N.P.D.E.S. Discharge Monitoring Report Summary

	OCT. '08	NOV. '08	DEC. '08	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.
BOD-5 day	27.10-33.90	34.80-37.40	35.40-42.20	26.20-29.40	42.0-53.40	31.60-40.30	17.0-30.50	12.00-15.30	10.60-12	9.565-10.80	16.70-24.10	8.55-10.20
Permit Requirement	30-45 mg/l	30-45 mg/l	30-45 mg/l	30-45 mg/l	30-45 mg/l	30-45 mg/l	30-45 mg/l	30-45 mg/l	30-45 mg/l	30-45 mg/l	30-45 mg/l	30-45 mg/l
pH	7.16-7.46	7.13-7.45	7.35-7.46	7.50-7.60	7.50-7.54	7.16-7.41	7.14-7.39	7.28-7.42	7.21-7.47	7.27-7.35	6.98-7.46	7.32-7.38
Permit Requirement	6-9 su	6-9 su	6-9 su	6-9 su	6-9 su	6-9 su	6-9 su	6-9 su	6-9 su	6-9 su	6-9 su	6-9 su
Total suspended solids	9.07-14.20	6.05-7.97	6.61-8.26	6.86-10.20	10.80-11.40	10.0-10.60	11.10-12.30	14.10-18.60	11.1-14.7	15.60-17.70	14.40-18.10	7.68-9.40
Permit Requirement	30-45 mg/l	30-45 mg/l	30-45 mg/l	30-45 mg/l	30-45 mg/l	30-45 mg/l	30-45 mg/l	30-45 mg/l	30-45 mg/l	30-45 mg/l	30-45 mg/l	30-45 mg/l
Nickel	5.14-5.14	10.0-10.0	8.19-8.19	7.71-7.71	6.85-6.85	12.20-12.20	9.9-9.90	12.2-12.20	16.60-16.60	11.90-11.90	8.97-8.97	6.33-8.33
Permit Requirement	8.2-13 ug/l	8.2-13 ug/l	8.2-13 ug/l	8.2-13 ug/l	8.2-13 ug/l	8.2-13 ug/l	8.2-13 ug/l	8.2-13 ug/l	8.2-13 ug/l	8.2-13 ug/l	8.2-13 ug/l	8.2-13 ug/l
Zinc	16.50-16.5	14.80-14.80	20.80-20.80	9.47-9.47	13.30-13.30	19.70-19.70	25.3-25.3	13.90-13.90	16.40-16.40	16.90-16.90	25.80-25.80	63.9-63.9
Permit Requirement	58-95 ug/l	58-95 ug/l	58-95 ug/l	58-95 ug/l	58-95 ug/l	58-95 ug/l	58-95 ug/l	58-95 ug/l	58-95 ug/l	58-95 ug/l	58-95 ug/l	58-95 ug/l
Aluminum	675-675	327-327	583-583	256-256	246-246	243-243	244-244	432-432	158-158	274-274	330-330	592-592
Permit Requirement	120-200 ug/l	120-200 ug/l	120-200 ug/l	120-200 ug/l	120-200 ug/l	120-200 ug/l	120-200 ug/l	120-200 ug/l	120-200 ug/l	120-200 ug/l	120-200 ug/l	120-200 ug/l
Copper	1.75-1.75	5.62-5.62	6.06-6.06	2.65-2.65	5.55-5.55	6.98-6.98	6.55-6.55	14.80-14.80	6.74-6.74	8.89-8.89	5.79-5.79	6.10-6.10
Permit Requirement	2.9-4.8 ug/l	2.9-4.8 ug/l	2.9-4.8 ug/l	2.9-4.8 ug/l	2.9-4.8 ug/l	2.9-4.8 ug/l	2.9-4.8 ug/l	2.9-4.8 ug/l	2.9-4.8 ug/l	2.9-4.8 ug/l	2.9-4.8 ug/l	2.9-4.8 ug/l
Oil & Grease	NOD(B)	1.37-1.37	NOD(B)	NOD(B)	NOD(B)	NOD(B)	NOD(B)	NOD(B)	NOD(B)	NOD(B)	NOD(B)	NOD(B)
Permit Requirement	report mo. average	report mo. average	report mo. average	report mo. average	report mo. average	report mo. average	report mo. average	report mo. average	report mo. average	report mo. average	report mo. average	report mo. average
Chlorine residual	3.19-5.0	3.88-6.25	3.99-6.25	3.51-7.50	3.57-6.25	3.55-6.25	3.63-6.25	3.83-8.75	16.0-7.00	3.39-5.0	3.43-6.25	3.45-5.70
Permit Requirement	7.50-12.30 ug/l	7.50-12.30 ug/l	7.50-12.30 ug/l	7.50-12.30 ug/l	7.50-12.30 ug/l	7.50-12.30 ug/l	7.50-12.30 ug/l	7.50-12.30 ug/l	7.50-12.30 ug/l	7.50-12.30 ug/l	7.50-12.30 ug/l	7.50-12.30 ug/l
Enterococci	8.22-14.90	11-39.30	7.57-17.30	9.89-26.90	20.20-24.60	10.90-11.1	4.78-11.50	25.10-47.70	44.20-820	9.55-28.70	66.20-2419.6	3.40-39
Permit Requirement	35-57 cfu/100ml	35-57 cfu/100ml	35-57 cfu/100ml	35-57 cfu/100ml	35-57 cfu/100ml	35-57 cfu/100ml	35-57 cfu/100ml	35-57 cfu/100ml	35-57 cfu/100ml	35-57 cfu/100ml	35-57 cfu/100ml	35-57 cfu/100ml
Fecal Coliform	15.20-31.0	7.65-28.70	7.98-10.0	5.74-12.30	6.47-18.60	5.39-7.33	2.46-8	2.25-8.0	19.50-24.0	7.67-10.10	19.10-74	1.50-4.0
Permit Requirement	200-400 cfu/100ml	200-400 cfu/100ml	200-400 cfu/100ml	200-400 cfu/100ml	200-400 cfu/100ml	200-400 cfu/100ml	200-400 cfu/100ml	200-400 cfu/100ml	200-400 cfu/100ml	200-400 cfu/100ml	200-400 cfu/100ml	200-400 cfu/100ml
BOD-5-Day percent removal	67.80%	78.30%	63.60%	69.40%	57.90%	54.60%	59.60%	52.80%	71.40%	60.60%	63.50%	79.40%
Permit Requirement	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%
Solids, suspended % removal	93.90%	95.10%	95.70%	89.10%	86.60%	87.80%	81.50%	64.50%	84.70%	68.50%	83.50%	95.30%

OUTFALL 001A
APRA HARBOR WWTP
NPDES Permit No. GU0110019
2009 N.P.D.E.S. Discharge Monitoring Report Summary

	OCT.'08	NOV.'08	DEC.'08	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.
Permit Requirement	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%
Ammonia & Ammonium	2.01-8.03	21.80-69.10	10.20-33	44.4-75.50	3.43-8.15	3.78-13.30	39.70-143	21.20-51	13.90-24	7.08-19.40	209-804	
Permit Requirement	report mo./daily average	report mo./daily average	report mo./daily average	report mo./daily average	report mo./daily average	report mo./daily average	report mo./daily average	report mo./daily average	report mo./daily average	report mo./daily average	report mo./daily average	report mo./daily average

Legend:

Exceedance in permit limits

Permit Requirements



GUAM ENVIRONMENTAL PROTECTION AGENCY



AMERICAN CONSUL GENERAL LINA LA GUAMA

P.O. BOX 22439 GMF • BARRIGADA, GUAM 96921 • TEL: 475-1658/9 • FAX: 477-9402

FEB 14 2001

Norm Lovelace, Manager
Pacific Insular Area Program
USEPA Region 9 (CDM-5)
75 Hawthorne Street
San Francisco, CA 94105

RE: Draft NPDES Permit No. GU011019 - United States Navy Apra Harbor Waste Water Treatment Plant

Dear Mr. Lovelace:

The Agency has completed its review of the referenced draft permit for the U.S. Navy, the applicant, to discharge treated domestic waste water from the Apra Harbor Waste Water Treatment Plant (WWTP) and "emergency" filter backwash and/or clarifier overflows from the Fena Water Treatment Plant (WTP). Treated domestic waste water is pumped to the Tipalao outfall and discharged to receiving [M-2 (good)] waters in the Philippine Sea through Serial Discharge No. 001 as described in the draft permit. Backwash and/or clarified water is discharged to the Namo River through Serial Discharge No. 002.

The WWTP currently processes 2.6 mgd of a design capacity of 4.3 mgd of waste water which is combined with the effluent from the Agat-Santa Rita WWTP (1.1 mgd) and discharged through Serial Discharge No. 001.

This certification is provided in accordance with the provisions of the revised Guam Water Quality Standards (WQS), Federal Clean Water Act Section 401 and the Code of Federal Regulations (40 CFR) requirements. The applicant's address is;

United States Navy Public Works Center
PSC 455, Box 195
FPO AP 96540-2200

A Mixing Zone application has been made to the Guam Environmental Protection Agency for this joint discharge. The draft permit discharge limitations are established for a worst-case initial dilution of 82:1. No dilution credit has been permitted for copper, aluminum, nickel and zinc due to potential exceedences. Background concentrations for these metals currently exceed WQS in the Tipalao Bay receiving waters.

"ALL LIVING THINGS OF THE EARTH ARE ONE"

N. Lovelace (EPA RD, CMD-5)
USN Apra Harbor WWTP
401 WQC, page 2.

A Mixing Zone for the combined Apra Harbor WWTP (U.S. Navy) and Agat-Santa Rita WWTP (GWA) effluent discharge is hereby granted and shall be located geometrically centered over the outfall diffuser (Lat. 13° 24' 48" and Longitude N 144° 40' 51" E) with a total area of 60,025 square feet (245' x 245') and to a depth of 120 feet.

Based on the proposed numerical criteria, permit narrative, monitoring requirements, approved Titalao Mixing Zone and revised Guam Water Quality Standards the Agency believes that there is a reasonable assurance that the activity will be conducted in a manner which will not violate applicable water quality standards and hereby certifies the proposed NPDES Permit No. GU011019 for the Agat-Santa Rita WWTP and Fena (WTP) subject to the following.

Serial Discharge No.001

- 1) The Titalao Mixing Zone remains subject to all Guam Water Quality Standards including General Criteria and Prohibited Discharge provisions.
- 2) Mixing zone violations may initially be joined in a schedule of compliance when violations result from the cumulative effect of both sources.
- 3) Mixing Zone dilution credit is not approved for Enterococci, Fecal Coliform or Total Chlorine Residual.
- 4) In the event metals concentrations exceed permitted limits, the permittee(s) will be required to conduct a formal and comprehensive Environmental Impact Statement (EIS) which in addition to incorporating the requirements provided for in Part A.9. of the draft permit shall address impacts on receiving waters for all manner of designated uses.
- 5) The Permittee may be required to formulate alternative mitigation measures in addition to taking corrective operational action to offset impacts.
- 6) The Permittee and GWA jointly shall develop a fact sheet describing the purpose, location and extent of the mixing zone for dissemination to the community and the recreational diver and fishing community in particular. The draft fact sheet must be submitted to Guam EPA for concurrence.

There are no conditions required for Serial Discharge No. 002 (Fena WTP).

N. Lovelace (BPA I-9, CMD-5)
USN Apra Harbor V/WTP
401 WQC, page 3.

If there are any questions regarding this certification please do not hesitate to call or write the Agency. The Agency remains prepared to assist your office in this matter.

Sincerely,



JESUS T. SALAS
Administrator

CC: Commanding Officer, USN Public Works Center



GUAM ENVIRONMENTAL PROTECTION AGENCY

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GUAM ENVIRONMENTAL
PROTECTION AGENCY

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EDDIE BAZA CALVO
GOVERNOR OF GUAM

RAY TENORIO
LT. GOVERNOR OF GUAM

P.O. BOX 22439 BARRIGADA, GU 96921

ETA.GUAM.GOV

Mr. David Smith
NPDES Office Manager, WTR 2-3
Attn: Jamie Marincola
U.S. Environmental Protection Agency
75 Hawthorne Street
San Francisco, CA 94105

JAN 20 2017

RE: Section 401 Water Quality Certification (WQC 17-02) for National Pollutant Discharge Elimination System (NPDES) Permit Renewal, for Naval Base Guam, Apra Harbor Wastewater Treatment Plant, Apra Harbor U.S. Naval Base, Santa Rita, GU 96925, NPDES Permit No. GU 0110019.

Dear Mr. Smith,

The Guam Environmental Protection Agency has reviewed the above subject application for permit renewal for the common outfall discharge at 13°24'48" N, 144°38'30" E at Tipalao Bay. The permittee discharges out a joint deep ocean outfall along with the Guam Water Works Authority, Agat-Santa Rita WWTP into Tipalao Bay of the Philippine Sea. Discharge from Apra Harbor WWTP is regulated under NPDES permit GU0110019 issued on April 08, 2010, effective on June 1, 2010 and expired on May 30, 2015. Pursuant to 40CFR 122.2, the terms of the existing permit are administratively extended until the issuance of new permit.

This permittee has been classified as a major discharger.

Pursuant to Section 401 of the Clean Water Act and 22 GAR 2- Chapter 5 – Guam Water Quality Standards (GWQS), a NPDES permit may not be issued until certification is granted or waived by the State, Tribe, or Territory in which the discharge originates. The Guam Environmental Protection Agency has evaluated the NPDES permit and has concluded that the permit will comply with the applicable provisions of sections 208 (e), 301, 302, 303, 306, and 307 of the Clean Water Act, Guam Water Quality Standards, and other applicable Guam laws and regulations. In accordance with section 401 of the Clean Water Act, the Guam Environmental Protection Agency grants certification for the

discharge of pollutants under the NPDES Permit. This certification is subject to and incorporates the following conditions, in accordance with 33 USC 1341(d).

General Description of Facility

The permittee owns and operates a wastewater treatment facility located on the Apra Harbor U.S. Naval Base, on the Island of Guam, that collects domestic and nondomestic wastewaters from all of the main base of Naval Base Guam. Nondomestic wastewater sources include three bilge oily wastewater treatment units, and fuel reclamation unit.

The Apra Harbor WWTP is a secondary sewage treatment plant with rated design and peak capacities of 4.3 MGD and 6.0 MGD. Dry-weather influent averages 2.8 MGD. Two identical treatment trains provide pre-aeration, grit removal, primary sedimentation, trickling filter biotreatment, activated sludge solids contact, and secondary clarification. Each treatment train has a 4.3 MGD design capacity. The final effluent is disinfected and de-chlorinated prior to discharge through a combined outfall shared with the Guam Waterworks Authority's Agat-Santa Rita Wastewater Treatment Plant (permit GU0020222) and discharged to the ocean through the Tipalao Bay outfall. The outfall terminates at a diffuser located approximately 1,600 feet from shore, at a depth of 125 feet.

Waste activated sludge and gravity thickened primary sludge feed two anaerobic digesters. Digested sludge is centrifuged or dried in sludge drying beds. Grit and dewatered sludges are trucked off-site for landfill disposal.

Description of Receiving Water

The permittee discharges out a joint deep ocean outfall along with GWA's Agat-Santa Rita WWTP into Tipaleo Bay of the Philippine Sea (13° 24' 48" N, 144° 38' 30" E). Discharge from Apra Harbor WWTP is regulated under NPDES permit GU0110019.

The Philippine Sea in the vicinity of the discharge is classified as Category M-2 ("Good") by the Guam Water Quality Standards (WQS). M-2 waters must be of sufficient quality to allow for the propagation and survival of marine organisms, particularly shellfish and other similarly harvested aquatic organisms, corals and other reef-related resources, and whole body contact recreation. Other important and intended uses include mariculture activities, aesthetic enjoyment, and related activities.

Application Materials Evaluated:

- a. Draft USEPA Region IX NPDES Permit Number GU0020389 dated October 5, 2016.
- b. Draft USEPA Region IX NPDES Fact Sheet Permit Number GU 0020389, Oct. 5, 2016.
- c. US Navy, Apra Harbor Wastewater Treatment Plant NPDES Permit Application Renewal Discharge Characterization Report, including Appendixes.

Section 401 Water Quality Certification Conditions:

Guam EPA hereby issues a Section 401 Water Quality Certification for the referenced project, in accordance with Section 401 of the Federal Clean Water Act and applicable provisions of 22 Guam Administrative Rules Div. II, Chap. 5 – Guam Water Quality Standards (GWQS). Water Quality Certification conditions may be added, amended, or changed and/or Water Quality Certification suspended or revoked to ensure discharge is in compliance with Guam Water Quality Standards. Water Quality Certification conditions are as follows:

1. Guam EPA has received NAVFAC Marianas submittal on a mixing zone request and conducted a Mixing Zone Environmental Impact Statement for the Tupalao Bay Joint Outfall. The 2015 Space and Naval Warfare Systems "SPAWAR" Study utilized CORMIX to estimate a mixing zone based on discharge geometry, effluent data, ambient conditions, discharge characteristics, and mixing zone requirements consistent with Guam WQS. The model incorporated 10th percentile current (3.5 cm/sec) with the maximum wet weather peak flow through the outfall (13.3 MGD). In accordance with Guam WQS, the calculating mixing zone was constrained to a cylinder that is 36 meters deep and 73.2 meters wide, centered on the discharge. The results of the study revealed a dilution factor of 39.2:1. With the issuance of this 401 WQC, Guam EPA currently approves and acknowledges this mixing zone adheres to USEPA Guidance and following the Guam Water Quality Standards establishes an appropriate level of protection and regulatory control over the NPDES discharger.
2. Guam EPA understands a Mixing Zone Study will be conducted by Guam Waterworks Authority for their renewal permit to determine compliance to the Guam Water Quality Standards regarding mixing zones. A reopener clause is added to this WQC permit to allow Guam EPA to revise the approved mixing zone if the GWA study results so warrant.

3. Guam EPA fully supports Navy Base Guam's established Sewer Discharge Certification Program and recognizes the importance of such a certification program in controlling and monitoring pollutants. Guam EPA will require copies of this report be submitted to the Agency.
4. The applicant(s) shall comply with all terms, conditions, and monitoring requirements of the USEPA NPDES Permit, and any associated order or schedule of compliance. Failure to comply with the NPDES Permit and any associated enforcement order or schedule of compliance shall also constitute a violation of this Water Quality Certification. The applicant(s) shall obtain written GEPA approval for any changes to the terms and conditions included in the NPDES Permit.
5. The applicant(s) shall promptly (within one working week) provide GEPA copies of all monitoring reports (e.g., DMRs) required under the NPDES Permit.
6. The applicant(s) shall inform GEPA of all equipment failures that have the potential to adversely affect effluent quality within 24 hours of knowledge of such failure.
7. Naval Base Guam shall inform GEPA of all bypasses to the collection and treatment system, including all sanitary sewer overflows (SSOs) immediately (within twenty four hours) upon knowledge of the bypass/SSO. Additionally, Navy Base Guam shall provide written monthly bypass/SSO summary reports to GEPA on or before the 15th of each month. These reports shall list the time, date, and location of all bypasses and SSOs, estimate the volume of each wastewater release, indicate if discharge reached any surface water (including wetlands and storm drains), and a brief description of the cause of each bypass/SSO and corrective actions taken by Navy Base Guam.
8. In accordance with 10 GCA Chapter 47 §47107, the applicant shall allow prompt access to the Administrator or his authorized representative for the purpose of inspecting the premises for compliance with the terms of this certification. The inspection may be made with or without advance notice to the certification holder, with good purpose, at the discretion of the Administrator, but shall be made at reasonable times unless an emergency dictates otherwise.
9. This WQC covers only the operation of the wastewater treatment system described in the application materials. The applicant must inform GEPA in writing of any changes to the project which may affect water quality.

10. In accordance with GAR Division II, Chapter 5, Water Quality Standards, this WQC shall be subject to amendment or modification if and to the extent that existing water quality standards are made more stringent, or new water quality standards are adopted, by GEPA.
11. This Water Quality Certification is valid only for the specified duration of the NPDES permit. Extensions may be granted upon submission of evidence of authorized extension of the original NPDES permit, however, GEPA reserves the right to require a new Water Quality Certification in the event of changes in treatment processes, site conditions, or for other reasons justified, in writing, by GEPA. A new NPDES permit will require application for a new 401 Water Quality Certification. The applicant is encouraged to apply for an extension or new Certification well in advance of the anticipated start of the proposed activity.

Severability

Invalidation of any portion of this certification does not necessarily render the whole certification invalid. The remainder of the certification conditions shall remain in effect.

If you have any questions regarding this certification, please feel free to contact the undersigned or Mr. Jesse Cruz, Guam EPA EMAS Program at +1(671)300-4795, or Ray Calvo, Planner IV@ (671)300-4784.

Si Yu'us Ma'ase



Walter S. Leon Guerrero
Administrator

CC: Bureau of Statistics & Plans, GCMP
Dept. of Agriculture, DAWR
ACOE, Guam Office



GUAM ENVIRONMENTAL PROTECTION AGENCY

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PROTECTION AGENCY

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EDDIE BAZA CALVO
GOVERNOR OF GUAM

RAY TENORIO
LT GOVERNOR OF GUAM

BLDG #17 3304 MARINER AVENUE BARRIGADA, GUAM 96913

EPA GUAM GOV

GUAM ENVIRONMENTAL PROTECTION AGENCY

Section 401 Water Quality Certification, 401 WQC 17-02:

Section 401 Water Quality Certification for Discharge: NPDES Permit GU 0110019, (Permit Renewal) Naval Base Guam, Apra Harbor Wastewater Treatment Plant, Santa Rita, Guam, The Guam Environmental Protection Agency hereby issues Section 401 Water Quality Certification, in accordance with the Clean Water Act, Public Law 95-127 and the Guam Water Quality Standards 2001 Revisions (GWQS), pursuant to the Guam Water Pollution Control Act, Chapter 47, Title 10 GCA. These discharge limits are authorized under Guam's anti-degradation policy GWQS 5101.B. Section 401 Water Quality Certification permit is only valid until all permit conditions are met. The issuance of Water Quality Certification does not exempt or waive any other local and federal requirements or allow the applicant to injure or damage surrounding properties. No person shall willfully deface, alter, forge, counterfeit, or falsify this certification.


WALTER S. LEON GUERRERO
Administrator

Date: 01/20/17

USEPA NPDES
Permit Related
Documents
for the
AHWWTP
Outfall #001
on NBG