

**GUAM COASTAL MANAGEMENT PROGRAM
ASSESSMENT FORMAT**

DATE OF APPLICATION: October 12, 2018

NAME OF APPLICANT: APTIM Guam

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TITLE OF PROPOSED PROJECT: Repair of Aboveground / Underground Fuel Pipelines & Associated Components in 46 Locations, Mainly Valve Pits, DFSP Guam

COMPLETE FOLLOWING PAGES

FOR BUREAU OF STATISTICS AND PLANS 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: _____

GUAM COASTAL MANAGEMENT PROGRAM ASSESSMENT FORMAT

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; or
- can demonstrate dependence on such a location and the lack of feasible alternative sites.

Discussion: *The land uses within all the project sites would not change under the proposed action. All of the forty-six (46) project sites are not located within or in close proximity to shore areas. For these sites, DP1 does not apply.*

This project is consistent with the intent of DP1.

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 appropriate zone as outlined on the Guam Zoning Code.

Discussion: *This project is not located near urban development areas and urban development areas will not be affected by the project. Policy DP 2 does not apply to this project.*

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: *Work will be limited to Defense Fuel Supply Point (DFSP) Guam property that is currently being operated for industrial use. The sites do not include rural district designations. Policy DP3 does not apply to this project.*

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, Guam 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 proposed action includes the replacement, maintenance and renovation of aging fuel facilities to increase the efficiency of valve pit and wharf operations. Well-maintained fuel pipelines and valves will serve the national interest, increasing the efficiency of military fuel consumption and transfer.

This project is consistent with DP4.

DP 5. 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 project work sites are found in nonhazardous land areas. The work sites are not within an erosion-prone area, along a major fault line, or air installations' crash and sound zone. Ground disturbance will be limited to areas with existing pipeline components and utility corridors. All heavy equipment and vehicle operations will be limited to designated roadways and maintained mowed grass areas.

Implementation of appropriate abatement, demolition and cleanup actions during repair and maintenance work will be conducted as part of the redevelopment of the sites in order to address potential environmental health and hazardous materials issues. These activities are proposed to be performed in compliance with applicable Federal and Guam regulations and existing agreements.

This project is consistent with DP5.

DP 6. 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: This project does not include development of residential areas or structures and residential areas will not be affected by the project. Policy DP 6 does not apply to this project.

DP 7. Transportation

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

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

Discussion: This project does not involve the development of transportation systems and will not result in the creation of vehicle traffic at the sites. This project is consistent with the intent of Policy DP7.

DP 8. 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 regulations, as well as other related land use guidelines for such areas.

Discussion: *All sites have been previously disturbed by past excavation and grading. The proposed action will require excavation at 19 of the 46 proposed valve pit sites. Excavation permits, including underground utility clearances through DZSP21, will be obtained for each excavation site. The excavated areas and pits will be dewatered as necessary to keep the excavation dry in conformance with approved permits. APTIM will work with Guam Environmental Protection Agency (GEPA) to secure approval necessary for grading and dewatering activities.*

Erosion control measures will consist of Best Management Practices (BMPs) to install a silt fence around the perimeter of excavation activity and any stockpiled materials, in conformance with approved environmental plans and permits, throughout the period the excavation is open. Erosion control inspection and maintenance will be conducted once every 7 calendar days and within 24 hours of a storm event that produces 0.5 inches of rain or more.

This project is consistent with the intent of Policy DP8.

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: *At the valve pit job sites, a light water spray may be used to control dust when necessary. All vehicles and equipment will remain on paved roads and maintained mowed grass areas to access the valve pit locations. APTIM will clean up any dirt and debris that builds up on the road pavement from equipment and vehicles leaving the sites. This may include manual shoveling and water spray. If winds interfere with material capture during sandblasting or other construction activities, work will be immediately suspended.*

The proposed action represents a modernization of existing valves, flange pits and valve pits. These improvements are intended (in part) to improve on inefficient pipeline equipment. The proposed maintenance and repair of DFSP pipelines would not cause or exacerbate an exceedance of National Ambient Air Quality Standards (NAAQS). Therefore, project-generated emissions would be less than the General Conformity significance thresholds. As such, the proposed action would comply with the U.S Environmental Protection Agency (USEPA) General Conformity Rule and 10 GCA Chapter 49 Air Pollution Control Act.

The project is consistent with the intent of Policy RP1.

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: Work will be contained within the valve pit work sites. Erosion and siltation will be contained using BMPs (mentioned in DP8) to prevent/stop sedimentation into surrounding water bodies. Four proposed work sites, Marine Corps Drive Valve Pit (MDVP) 1, 2, 3 and 4 are located adjacent to a designated wetland. The minor repair and maintenance proposed in this contract will not produce a discharge or impact to the surrounding wetland and aquatic environment. The proposed action will be conducted in compliance with Guam's water quality standards and requirements and will have no effect on the water quality on Guam.

The proposed actions at all sites will not produce a discharge and are consistent with the intent of Policy RP2.

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 including Guam's Marine Protected Areas (MPA) shall be regulated to protect their unique character.

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

Discussion: Implementation of the project would not be expected to result in direct or indirect impacts to terrestrial resources (vegetation communities or wildlife) or benthic and marine resources, including sensitive species occurring on or near the site.

Four sites of the proposed action, MDVP 1, 2, 3 and 4 are adjacent to a wetland area. There will be no effect on the wetland from this project. No threatened or endangered species are in the immediate vicinity of the project sites footprint. BMPs implemented will prevent pollution from entering the nearby wetland. To avoid any impact, or possible discharge to the nearby wetlands, APTIM will perform excavation, maintenance and repair activities on these valve pits in the dry season (December to April) when surrounding site conditions are dry and storm water impacts are unlikely. Silt fences will be properly placed around the excavated areas that are located near wetlands to protect the resource.

An archaeological survey was conducted in July 2015 in accordance with the National Historic Preservation Act (NHPA) Section 106 Evaluation. The Naval Facilities Engineering Command (NAVFAC), along with the Guam Department of Parks and Recreation, determined a finding of "No Adverse Effect" for the proposed maintenance and repair of the DFSP pipelines. Ground disturbance will be limited to areas with existing pipeline components and utility corridors and all project areas have been previously disturbed (original excavation, construction, grading). Continued archaeological monitoring will be required at 12 project sites. Monitoring will be conducted in accordance with an approved Archeological Monitoring and Discovery Plan.

The project would not be expected to result in impacts to cultural or historic resources on and near the sites during or as a result of project implementation. If an inadvertent discovery of a cultural resource occurs during implementation activities, the work where the discovery is made will immediately cease, and the Guam Historic Preservation Officer Point of Contact (POC) will be immediately notified. An archaeologist (or designee) and/or the Guam Historic Preservation Officer POC may stop work to allow investigators to inspect the area and to protect the artifacts. The

perimeter of the find, as determined by archaeologists, will be delineated and access to the area will be restricted. No intrusive work will proceed without consultation with the archaeologist (or designee).

This project is consistent with the intent of Policy RP3.

RP4. Living Marine Resources

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

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

Discussion: *No impacts to the marine resources and mangrove habitat would result from implementation of the proposed project.*

The project does not involve any harvesting of marine resources or activities within the waters that could otherwise adversely impact marine resources. There are no threatened or endangered species in the immediate vicinity of the project sites. The proposed action will not require an essential fish habitat or threatened and Endangered Species Act consultation as per the Request for Information No. 011 dated 05/21/2018.

The work practices do not cast significant shadowing over any water body and the tools utilized to remove rust and paint will not create significant noise for long periods of time. No work will be performed in the water and the repair work will not produce a discharge. There will be no impact to the aquatic environment.

This project is consistent with the intent of Policy RP4.

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: *This project involves the repair and maintenance of existing valve pits. All project areas have been previously disturbed (original excavation, grading, etc.). Disturbances from the proposed project will be limited to areas of existing pipeline components and utility corridors. The new and refurbished structures will have similar profiles to what currently exists at the sites. Implementing the project will have no effect on the visual quality or natural scenic beauty of the sites.*

This project is consistent with the intent of Policy RP5.

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, marine conservation and marine protected areas, scenic overlooks, parks, and historical sites. Developments, activities and uses shall comply with the Guam Recreational Water Use Management Plan (RWUMP).

Discussion: *The project site is not located on or near any recreational areas and will not have any effects on recreational areas. Policy RP 6 does not apply to the Proposed Action.*

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 Guam recreation areas, parks, scenic overlooks, designated conservation areas and their public lands. 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: *This project is not located on or near public access areas and it will not affect access to public areas. All project work will be contained to the DFSP 46 valve pit locations. Policy RP 7 does not apply to the Proposed Action.*

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 project does not involve urban development on agricultural land and will not preclude surrounding properties from being used for agricultural purposes in the future. Policy RP 8 does not apply to the Proposed Action.*