

Port Moresby Sewerage Scheme

Project Overview

A sewer facility will be constructed on in the coastal area of Port Moresby and sewer services will be provided controlling the outflow of untreated sewage into the ocean. This will improve the level of sanitation and the living environment, preserve the ocean environment and revitalize fisheries and other industries. The project involves the construction of a sewer treatment plant, access roads and outflow pipes; laying pipes; and construction of and repairs to pumps. As there is currently no sewage treatment plant in the coastal area, home to about 67,000 residents, sewage is released into the ocean untreated. This has led to deterioration in sanitation and destruction of the ocean environment including bleaching of the coral reef. The sewer facility will remove pollutants from the water, ensuring a more sanitary environment and a higher level of water quality so that the coral reef can thrive.

Scope of Services

Brown Consulting has been appointed to verify the final detailed design of the total Port Moresby Sewerage Scheme. This work encompasses the verification of the civil, hydraulic and process design.

Key Project Components

The Scheme involves the following works:

- 18.4 ML/day Sewage Treatment Plant
- 35 km's of sewerage trunk and reticulation mains
- 17 pump stations
- Ocean outfall, and
- Mechanical dewatering equipment

Fast Facts

- **Client:** Independent Public Business Corporation (IPBC)
- **Project Owner:** PNG Government
- **Project Funder:** Japanese International Cooperation Agency
- **Location:** Port Moresby, PNG
- **Project value:** \$140m
- **Key responsibilities:** Technical Advisor to the Final Detailed Design of the Port Moresby Sewerage Scheme
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