



Commissioned PNG Permanent Facility Compound

Trained site staff to safely operate equipment

Developed operating, response, calibration, testing and maintenance procedures

Project managed delivery of water treatment and wastewater treatment plants

Exxon Mobil Papua New Guinea Permanent Facilities Compound

BACKGROUND

The Papua New Guinea (PNG) Permanent Facilities Compound (PFC) is an aspect of the broader PNG Liquefied Natural Gas (LNG) project to commercialise gas reserve available within PNG. Exxon Mobil designed and installed the PFC as a permanent office, support centre and community facility for those working within the PNG LNG projects. The compound is located in Port Moresby and includes wastewater and recycled water treatment, water reuse and diesel fuel supply for light vehicles and generators.

Leighton's Ltd (PNG) contracted SSI to perform commissioning facilities at the PFC. D&C Services requested SSI to provide technical project management and engineering review of the water treatment plant and wastewater treatment plant.



SSI'S ROLE

SSI conducted the following works:

- Project managed the delivery of the WTP and WWTP;
- Developed Operation and Maintenance (O&M) manuals, Inspection and Test Plans (ITP), Standard Operating Procedures (SOP's) and Testing and Commissioning Plans (TCP's);
- Performed pre-commissioning inspections and developed Factory Acceptance Testing (FATs) requirements and documented results;
- Commissioned the diesel storage, fleet and generator refuelling facilities;
- Commissioned the wet fire facilities;
- Commissioned the building hydraulics;
- Performed operator training for site employees to enable safe and effective use of onsite equipment and facilities;
- Prepared punch lists for action items;
- Compared and documented operating conditions against the operating philosophy;
- Designed and implemented solutions for system faults identified during commissioning; and
- Performed risk assessments (HAZOP) for the recycled water treatment plant and the wastewater treatment plant.

SSI SERVICES PROVIDED

Asset & Maintenance Management

Design, Construction Management & Commissioning

Plant Assessment & Optimisation

Sustainable Resource Management

Risk Assessments (HACCP & HAZOP)

Asset & Maintenance Management

Design, Construction Management & Commissioning

Efficiency Audits & Cleaner Production

Environmental Compliance & Licensing

Master Planning

Plant Assessment & Optimisation

Sustainable Resource Management

Risk Assessments (HACCP & HAZOP)



For more information please contact:
Sustainable Solutions International Pty Ltd

07 3255 0000

office@ssi-bne.com

sustainablesolutionsinternational.com

Water.Energy.Waste.

