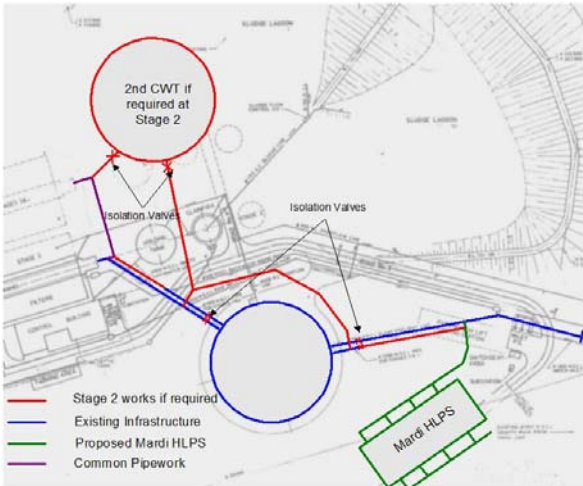


Mardi Dam

High Lift Pumping Station

Key Elements

- 240 ML/d pump station design
- Hydraulic & Water Hammer analysis
- High Voltage Electrical supply & Ring Main design
- Construction Hazards Assessment & Implication Review Study (CHAIR Study)



HLPS & Site Pipework

Location: **Mardi, NSW**
Client: **Wyong Shire Council**
Project Description: **240 ML/d pumping station**
Total Project Value: **\$ 12 M**
Consultancy Fees: **0.5 M**
Year Completed: **Detailed Design – 2008**

Background

Mardi High Lift Pump Station (HLPS) is the key component of the Central Coast Water Corporation (Gosford & Wyong). The introduction of the HLPS will improve the performance of the scheme in many different ways and improve the flexibility in supplying water to Wyong and Gosford.

Project Scope

The objectives were to analyse the system, environmental & geotechnical factors and to provide conceptual design and detailed mechanical, electrical & civil designs of 240 ML/d pump station and associated pipework.

Our Role

Water Services provided conceptual & detailed designs, design reports, tender documentation and advisory role for tender review & is currently providing technical advice during construction.

Outcomes

The outcomes are Concept Design Report, Detailed Design Report and Tender Documents for the HLPS.



80 ML/d Pumps

Water Services

Principal Engineer

Kamal Fernando
(02) 9372 7869
Kamal.Fernando@services.nsw.gov.au



Public Works
NSW Water Solutions