Western Turner Syncline Fuel and Lube Facility

Rio Tinto's Western Turner Syncline (WTS) expansion included a self-bunded fuel and lubricant facility to support the heavy and light vehicle requirements on site. SMP Engineering (SMP) fabricated all the pipe work for the facility which includes 3 x 100,000L diesel fuel tanks, 1 x 20ft pump house, 1 x 20ft and 1 x 40ft dangerous goods containers, 1 x 70,000L 3 compartment self-bunded oil tank comprising 40,000L waste oil, 20,000L transmission fluid and 10,000L gear oil. 1 x 70,000L 4 compartment self-bunded oil tank comprising 20,000L engine oil, 20,000L transmission fluid and 2 x 15,000L hydraulic oil.1 x Service truck top up station, 3 x hose reel stations for both heavy and light vehicle applications.

SMP completed the fabrication of the spooling and workshop trial assembly from the Bibra Lake facility with 3 supervisors and a crew of 24 across day and night shifts. SMP were also engaged to provide a supervised crew to do the site installation and commissioning to Australian Standards. SMP acted as the client's representative on Rio Tinto's WTS site. To support the site works SMP also mobilised light vehicles and a specialised tooling container.

Project Key Facts

Project Owner
Rio Tinto Iron Ore

Project
WTS Fuel and Lube facility

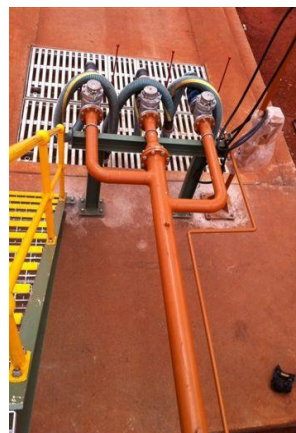**Client**
Fuel Co/Logitank West

Value
$5M AUD

SMP Scope
Project mgt, fabrication, site installation and commissioning of pipe spooling, diesel/lube tanks, pump houses and fuelling /hose reel stations.

Project Scope and Outcomes

+ Over 8000 man hours with zero reportable safety incidents
+ Zero environmental incidents
+ Successful integration with the client's team
+ Stainless steel welder qualifications
+ All work to Australian Standards
+ Fabrication of pipe spooling
+ Successful commissioning

Contact Us

Call the team at SMP Engineering for all your structural, mechanical and piping needs on 9412 8000. More project case studies can be viewed at www.smpeng.com.au

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