

Marstel Bulk Liquids Terminal



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| Location | Coode Island, Victoria |
| Client | Marstel Terminals Limited |
| Contract | Design And Construction |
| Total Cost | \$40m |
| Duration | 2003 - 2005 |



As part of a major programme to redevelop and upgrade Melbourne's hazardous liquids storage facilities, Leighton Contractors constructed a worldclass bulk liquids storage facility at Coode Island, a major industrial area 5 km west of the city.

The new facility, which was delivered under a design and construct contract, is located on a 3.5 ha site leased from the Melbourne Port Corporation and which was previously used for hazardous chemicals storage by BP.

Leighton Contractors initially constructed 11 tanks, each of which is designed to hold a specific product. In the longer term, it is expected that up to 20 tanks will be constructed on the site.

The tanks are designed to hold propylene oxide, benzene, BTX (a mixture of benzene, toluene and xylenes), acetone, styrene and phenol – chemicals which are used by Dow Chemical Australia and Huntsman Chemical

Company in the manufacture of their respective products. The tanks range from 634 m³ to 5300 m³ in size.

The liquid chemicals are off-loaded from vessels berthed on the Maribyrnong River about 300 m south of the new terminals and transferred via pipelines installed along the river frontage. Liquids are drawn by Marstel's customers from the terminal by road tankers on a just-in-time basis.

The new terminal meets the Victorian Government's safety and environmental protection standards, which are the most stringent in Australia. Owing to significant advances in tank technology in recent years, the air emissions from the terminal are extremely small and the safety factors much higher when compared with those of the previous facility. Community consultation was also a significant part of the works approval and project delivery process.