



Stormwater treatment, harvest and reuse--a winning trifecta at Moonee Valley

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Biography:

Julia Baumann is a Civil Engineer at Dalton Consulting Engineers (DCE). She is a stormwater professional with more than 10 years of experience in stormwater engineering. Her passion is for well-thought out solutions that really achieve ambitious stormwater goals. Julia graduated from Rice University in 2004 and moved to Melbourne in 2008. She is grateful that she can see the tangible benefits of her professional work protecting and improving Melbourne's waterways in her everyday life. Julia lives adjacent to the Yarra River and appreciates the benefit provided by a local, accessible, functional and beautiful waterway.

Moonee Valley Racecourse, a key feature in Melbourne's sporting life for 136 years is being redeveloped. The redevelopment, including the installation of a larger course proper and a relocation of the grandstand, is an opportunity to achieve ambitious stormwater management goals both for the racecourse itself and for the Moonee Ponds Creek.

The centerpiece of the stormwater masterplan for the redeveloped Moonee Valley Racecourse is a stormwater quality treatment and harvesting system. Integrating the stormwater harvesting system into minimally accessible public space and securing a committed re-user and maintainer of the system in the Moonee Valley Racing club makes this project unique in its ability to realise ambitious harvesting goals with a tangible benefit both to the upstream council drainage system and to the downstream receiving waterway Moonee Ponds Creek.

This presentation will discuss the masterplanning of stormwater at Moonee Valley Racecourse including the challenges overcome in designing this innovative system.