



Implementing WSUD in the planning scheme, lessons learnt at Moreland

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Biography:

Vaughn is the Environmental Engineer at Moreland City Council responsible for overseeing implementation of Water Sensitive Urban Design (WSUD). He specialises in applying WSUD and stormwater management in urban areas for urban waterway health, potable water reduction, habitat improvement and mitigation of the urban heat island effect. Vaughn is also a member of Melbourne University's Waterway Ecosystem Research Group, recently completing a Masters of Philosophy in Science. His research focuses on the nexus of achieving both stormwater and tree growth outcomes through small-scale biofiltration systems, through an on-the-ground experiment in Brunswick, Victoria. In his spare time you'll find Vaughn out bushwalking in one of Australia's national parks.

Moreland City Council's ESD policy was gazetted in 2015, requiring all developments of 2 dwellings or more to achieve onsite best practice stormwater management. The majority of the planning permits triggered by this policy are 'infill' type developments such as multi townhouse developments that result in previous pervious backyards being replaced by large areas of impervious roofs and driveways. In addition, the large number of townhouses being squeezed onto these sites result in extreme space constraints and can make achieving a well-functioning stormwater management strategy challenging.

In 2018, similar stormwater management requirements to the Moreland ESD policy were introduced into the Victorian Planning Provisions (VPP). As the type of development that Moreland is encountering is being replicated across Victoria the lessons learnt from the Moreland context may be transferable to other Councils.

This presentation is to share with the wider Victorian Stormwater Industry the lessons learnt at Moreland from the implementation of best practice stormwater management through the planning scheme and to discuss Moreland's preferred approaches to achieving best practice stormwater management onsite. In addition, this presentation will showcase the updated "Moreland WSUD for Developers" webpage, developed to assist developers in understanding their requirements and articulating Moreland's preferred approaches to achieving onsite best practice stormwater management.