

Policy Instruments and Pathways for SA WSUD Policy

Outcomes of the Goyder Institute for
Water Research WSUD Project: Phase 2

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Demand Driven Research – Research Informing Policy

Overview

- Background to this study
- Pathways for WSUD implementation
 - Some examples where available
 - Some discussion of each

Background

- Goyder Institute for Water Research?
 - A partnership between SA Government (DEWNR) and CSIRO, Flinders University, the University of Adelaide and UniSA
 - Focussed on demand driven research, and research to inform policy
- WSUD Project Phase 1 completed 2014 – Focussed on on impediemnts to WSUD in SA
- This work is part of the WSUD Project – Phase 2. It examined all current interstate and SA WSUD policy to identify potential WSUD policy pathways.

Key Pathways for WSUD in SA Policy

Possible options, in no order of preference are:

- Development plans – 3 options!
- Engineering service levels/standards
- Residential Code
- Building Code
- Development of Minister's Specifications
- A levy/offset mechanism
- SA Planning Reform Pathways?



Bioretention, Dunstone Grove, City of Norwood, Payneham and St Peters

Development Plans Option #1

Incorporation of WSUD into development plans - enforce what exists in the SA PPL!

- Most development plans already have principles of WSUD which may be specified
- Principles are qualitative, subject to interpretation and may be challenged



Light Regional Council

Consolidated 13 August 2015

Please refer to the Light Regional Council page at www.sa.gov.au/development and to the City Councils for more information.



Development Plans Option #2

- Incorporation of WSUD into development plans – Local government DPA
 - Can be conducted based on local needs
 - Time consuming process
 - May lead to varying WSUD policies across the state – inconsistency and inequity



City of Port Adelaide Enfield

North Arm East Catchment

Stormwater Management Plan



Development Plans Option #3

- Incorporation of WSUD into development plans – STATE driven change to the SA PPL
 - Consistent outcome which can be applied at discretion of local gov't
 - Baseline values must be demonstrably beneficial, and may not satisfy all



Engineering Service Standards

- Incorporation of WSUD into minimum engineering service standards
 - E.g. City of Onkaparinga
 - Developed according to local need, implemented without state intervention
 - If WSUD is adopted independently at each local gov't, it may produce varying standards across SA



Green Roof, ANZ Building,
Adelaide

Residential Code

- Incorporate WSUD into Residential Code
 - A way to address infill development uniformly
 - Must be cost effective, and limited to residential development.



Thrushgrove Creek, City of Onkaparinga. Note erosion of banks due to frequent high flows. These destructive flows are caused by urbanisation.

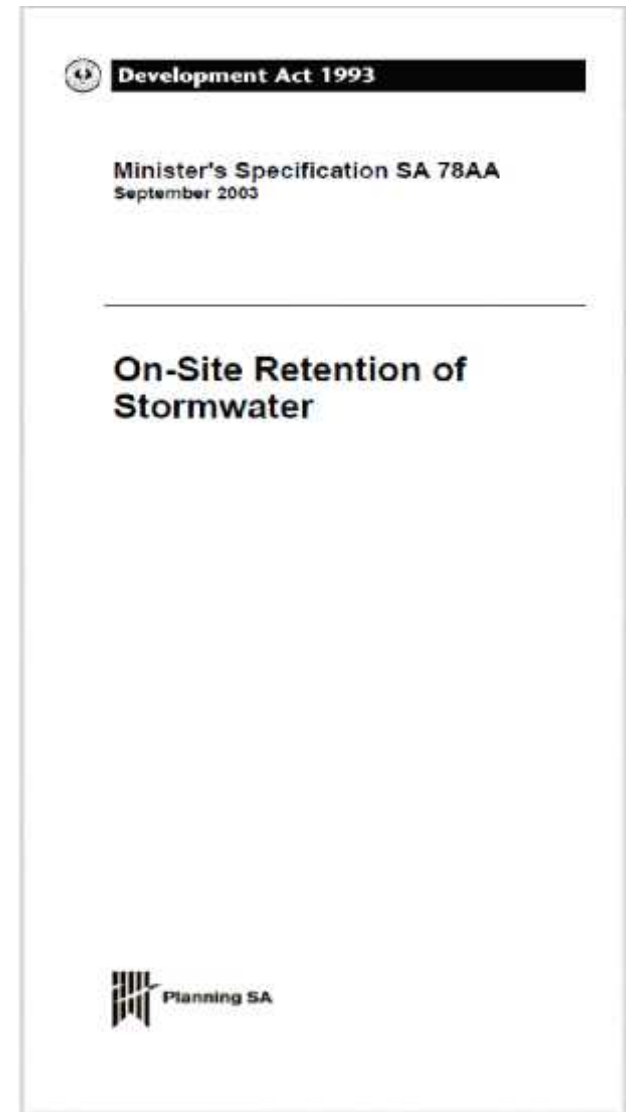
Building Code

- Incorporation of more WSUD requirements in the Building Code
 - Successful in 2006 (e.g. rainwater tanks)
 - Limited to housing development and must be suitable to all homes



Ministers Specifications

- Development of more Ministers Specifications for WSUD measures
 - Can be implemented in a variety of ways to produce deemed-to-comply designs consistently



Levy or Offset Approach

- An offset payment for those who cannot or prefer not to conduct on-site WSUD
 - E.g. City of Onkaparinga
 - May be used to construct larger, more effective WSUD systems or maintain them
 - Benefit must be demonstrated



Springbank Waters, downstream of Kaurna Park wetland

Planning Reform?

- Not finalised yet, but:
 - Reform 6, 7 – Ensure WSUD is in statewide e-planning
 - Reform 16 – Opportunity for adoption of WSUD in neighbourhood regeneration
 - Reform 17 – Funding framework for ‘...public realm and environmental works’?
 - Reform 18 – Public open space review to include green infrastructure and urban vegetation



Questions or Comments?

- Final report available SOON on Goyder Institute website!
- Project Team (Policy Review)
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