22.02 INTEGRATED WATER CYCLE MANAGEMENT (IWCM)

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This policy applies to the following applications for all land within the Urban Growth Boundary (UGB):

- new buildings and works
- extensions to existing buildings that are 50 square metres in floor area or greater
- subdivisions.

The policy does not apply to applications for:

- Subdivision of an existing building.
- Subdivision within a Development Plan or Precinct Structure Plan with relevant IWCM or equivalent provisions.
- Boundary realignment.
- A rainwater tank.
- A fence.
- A domestic swimming pool or spa.
- A pergola or verandah, including an open-sided pergola or veranda to a dwelling with a finished floor level not more than 800mm above ground level and a maximum building height of 3 metres above ground level.
- A deck, including a deck to a dwelling with a finished level not more than 800mm above ground level.
- Externally altering a building by structural work, rendering, sandblasting or in any other way that does not result in an increase in floor area.
- Constructing or displaying a sign.
- Externally painting a building.
- Externally painting an unpainted surface.
- Internally altering a building.
- The construction or extension of an outbuilding normal to a dwelling.

22.02-1 Policy objectives

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- To ensure that urban development minimises urban stormwater runoff through the application of a best practice approach to urban stormwater management.
- To reduce pressure on the potable water supply, mitigate flooding and improve downstream river health.
- To encourage a high level of innovation and performance in the employment of IWCM techniques in development.
- To require development to improve stormwater performance and encourage the provision of potable water alternatives.
- To reintegrate urban water into the landscape to facilitate a range of benefits including microclimate cooling, local habitat and the provisions of attractive spaces for community use and well-being.

22.02-2 Strategies

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Improve the quality of stormwater and reduce the flow of water discharged to waterways, including through:

- Collection and reuse of rainwater and stormwater on site.
- Multiple uses of stormwater within a single site.
- Bioretention systems that retain and treat stormwater.
- Water recycling systems.
- Directing flow from impervious ground surfaces to landscaped areas.

Use measures to prevent litter being carried off-site in stormwater flows, including:

- Appropriately designed waste enclosures and storage bins.
- Litter traps for developments with the potential to generate significant amounts of litter

Incorporate vegetation on buildings where practicable (to be irrigated with rainwater/stormwater) to promote the role of vegetation on buildings in managing the quality and quantity of stormwater.

22.02-3 Decision guidelines

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Consider as relevant:

- Best practice water quality performance objectives as set out in the Urban Stormwater Best Practice Environmental Management Guidelines, (CSIRO, 1999).
- The following tools (or equivalent):
  - Melbourne Water's STORM Calculator.
  - Model for Urban Stormwater Improvement Conceptualisation (MUSIC).
- Opportunities for water conservation and reuse that influence the use of water sensitive urban design.
- The level of ongoing management required to achieve and maintain the desired stormwater quality measures that will be used during the construction phase to prevent a loss of stormwater quality as a result of building activities, such as silt traps.

22.02-4 Policy documents

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City of Whittlesea Addendum: Design, construction, and maintenance of WSUD manual, Melbourne Water and City of Whittlesea (2011).

City of Whittlesea Stormwater Management Plan (2012-2017).

Design, Construction, and Maintenance of WSUD manual, Melbourne Water (2011).

Implementation Guide - Integrated Water Cycle Management - Local Policy and Practice Project, City of Whittlesea (2017)

Urban Stormwater Best Practice Environmental Management Guidelines, CSIRO (1999, or as amended).

Water Sensitive Urban Design – Engineering Procedures: Stormwater, Melbourne Water, CSIRO Publishing 2005 (as amended from time to time).

22.02-5 Expiry

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This policy will expire when superseded (as determined by the Minister for Planning) by Water Sensitive Urban Design provisions in the Victoria Planning Provisions or the Building Code of Australia Regulations, whichever happens first.