

New version. Improved functionality.



eWater's urban stormwater software, **music v4**, is one of the few software tools available that can accurately simulate real-time water sensitive design, making it easier to design urban development proposals that meet Water Sensitive Urban Design (WSUD) standards.

What's new?

The new features in **music v4** include:

- More accurate modelling of bioretention and infiltration systems.
- Greater ability to model stormwater technologies such as reuse and stormwater harvesting.
- Enhanced capacity to model parameters in addition to total suspended solids, total phosphorus and total nitrogen.
- Improved interface and enhanced reporting functionality which allows users to rapidly get to work on real-world problems.
- Straightforward, easy to navigate support documentation to improve learning and issue resolution.
- A broad range of online and face-to-face training to provide more flexible and effective options for training new users as well as new features and enhanced functionality for advanced users.
- Network licences (USB Dongle) available for improved licence management and access for larger organisations or for use on multiple sites.
- Special savings available for users upgrading from **music v3**.

Try music for yourself

A free 21-day trial version of **music v4** is available for download.

Go to www.ewater.com.au/music for more information.





What sets music v4 apart?

music v4 is the latest version of the Model for Urban Stormwater Improvement Conceptualisation. Developed over the last twelve months, this version incorporates the latest science on the performance of treatment systems, incorporates fixes for bugs within **music v3** and provides improved flexibility in terms of reuse, reporting, treatment measure configuration and node interrogation.

Fundamentally, **music v4** provides a far more accurate prediction of the performance of filtration based treatment measures, especially bioretention and infiltration systems, based on the findings of the Facility for Advancing Water Biofiltration (www.monash.edu.au/fawb). Together with improvements in the modelling of storage behaviour of the extended detention component of systems and the ability to configure device outlet storage discharge relationships via user defined text files, this means that **music v4** is quickly becoming the preferred version for assessing the performance of treatment trains.

New biofiltration capabilities

Bioretention

These are vegetated stormwater filtration systems that use a soil or sand-based filtration medium to remove particulates and soluble contaminants. The system may be lined or unlined and may or may not have an underdrain. The Bioretention Node in **music v4** has been completely re-written, offering more accurate modelling of flow as well as water quality treatment. The treatment algorithms in the bioretention filter media are based on the latest research from FAWB. The new node includes sophisticated predictions of water flow and treatment, taking into account factors such as evapotranspiration and its effect on soil moisture, as well as the design of the system (eg. filter media type and composition, choice of vegetation).

Media filtration

These are unvegetated stormwater filtration systems for removing contaminants, using media such as gravel, sand or other fine granular material. They are assumed always to have an outlet pipe (underdrain). A new Media Filtration Node has been written for **music v4**, which allows these systems to be easily modelled.

The treatment algorithms can be user-edited, to allow device-specific data to be entered.

Infiltration

These are unvegetated infiltration systems, for removing contaminants, which have no underdrain. **music v4** offers a greatly enhanced infiltration modelling capacity to account for horizontal flows from storage and allow for changes in flow with depth. There is greater flexibility to model systems with lined sides or base.

About FAWB

FAWB was the winner of the Stormwater Industry Association of Victoria's Research Award for 2009. The award recognised the rigorous research undertaken by FAWB into the functioning and optimisation of a range of stormwater biofiltration technologies as well as the practical outcomes including the incorporation of the new science into **music v4**.

Want to know more?

Go to our website at www.ewater.com.au/music

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