

Streamlined planning and assessment of water sensitive urban designs



MUSIC-*link* is a new timesaving feature in MUSIC v6, the latest version of the stormwater planning software MUSIC by eWater.

Several councils have collaborated with eWater to devise the MUSIC-*link* feature, aiming for more efficient planning and assessment of water sensitive urban designs (WSUD).

MUSIC-*link* benefits both the staff of developers designing stormwater systems and the staff of councils who assess the designs. Using MUSIC-*link*, developers can quickly meet council requirements, and council staff can easily check the compliance of the submitted stormwater designs.

The whole development and stormwater design process becomes more timely and cost-effective from start to finish — from initial concept to actual construction.

Council staff using MUSIC-*link* will access a report showing how well the design meets the council's specifications and assumptions, saving them resources previously used in detailed cross-checking.

For developers and consultants designing stormwater systems for participating councils, MUSIC-*link* removes the tedious setup stage spent gathering and entering council requirements into the MUSIC model. Further, once the stormwater treatment train has been designed, the developer can quickly check it in MUSIC-*link*, showing immediately if the planned design is satisfactory or if the designer needs to return to the drawing board.

Since its launch in 2013, fourteen councils have their requirements programmed into MUSIC-*link*, and others are poised to join.

Any council can have its requirements included in MUSIC-*link* by contacting eWater.

KEY FEATURES:

MUSIC-*link* creates a customised version of MUSIC for use in a local government area.

- It incorporates council requirements for water quality and treatment performance.
- It provides a report that compares the elements and performance of the MUSIC model against council requirements.

CURRENT COUNCILS:

- ACT Government
- Blacktown City Council
- Brisbane City Council
- City of Gold Coast
- City of Onkaparinga
- Clarence Valley Council
- Coffs Harbour City Council
- Hornsby Council
- Ku-ring-gai Council
- Lake Macquarie Council
- Parramatta City Council
- Penrith City Council
- Port Stephens Council
- The City of Newcastle
- Warrnambool City Council
- Wyong Shire Council

How does MUSIC-*link* work?

MUSIC-*link* creates a customised version of MUSIC for use in a local government area.

It incorporates council requirements for water quality and treatment performance into MUSIC, so it can be used to build models of stormwater systems that are appropriate to the local area. It also provides a report comparing the elements and performance of the MUSIC models against the council's requirements.

Previously, council staff, on receiving a submitted stormwater model from designers, needed to check piece by piece all the assumptions in the model and the expected performance of the whole plan for all stormwater conditions.

Now, council staff use MUSIC-*link* to generate a detailed report showing how well the submitted model meets each of the council's stormwater treatment requirements. If the stormwater system has been designed using the local data in MUSIC-*link* it should pass on all counts, or be accompanied by sound explanations about any variations. Instead of repeatedly checking, rejecting and rechecking developers' models, council can now quickly move to the next stage of its evaluation process.

The MUSIC-*link* database of council requirements makes it easy for developers to use approved local assumptions and objectives when planning stormwater treatment options. When ready to submit their work to council, the convenient 'quick check' facility in MUSIC-*link* shows a 'green light' if the design fits council specifications. Submitted designs should meet the council approval at the first attempt.

Obtaining the software

MUSIC-*link* is part of MUSIC v6.
Visit www.ewater.org.au/music

music BY eWater



Want to know more?

Find out more at www.ewater.org.au/music

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