



The UK Industry Standard for Rainfall Modelling

STORMPAC™ is a fully supported software package that generates hourly rainfall time series for the UK. Key features include:

STORMPAC™ combines a stochastic rainfall generator with disaggregation models and hourly rainfall processing capabilities.

Stochastic rainfall generator - Imports daily rainfall series, available from the Met. Office, to generate robust hourly rainfall series for up to 50 years.

If there is no daily data for an area then the stochastic rainfall generator only needs a few inputs from the user to produce hourly rainfall data. This is essential for areas where rainfall data is unavailable.

Catchment wetness indexes (UCWI and API30) are automatically calculated by the software - saving time.

Storm events are defined by the user selecting depth, intensity, duration, dry period or bathing season events (1st May to 30th September) with easy to use filters.

Disaggregator - hourly rainfall series can be split up into 5 minute series. The user has the option of using the Poisson Rectangular Pulses model (better for high intensity events) or the Ormsbee model.

Output - raindata is exported to RED files - compatible with widely used InfoWorks™ software.

Support - A STORMPAC™ helpdesk subscription gives users support in using the software. Current subscribers contact the STORMPAC™ helpdesk by telephone or email to get answers to any questions about how to use STORMPAC™.



To complement this service the WRc Group provides consultancy on rainfall series and Urban Pollution Management applications for a wide range of customers from the Water Industry and the Environmental Regulators. Catchment studies include rainfall analysis, wastewater network modelling and assessment against spill frequency or environmental impact standards. The WRc Group has the expertise to apply all the tools - **STORMPAC™**, InfoWorks and SIMPOL3™ - to assess how environmental standards can be met.

Contact Victoria Bewes at the **STORMPAC™** Helpdesk
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For further details and information on WRc and its services visit our website www.wrcplc.co.uk.

