

About Battelle

Battelle is the world's largest nonprofit independent research and development organization, providing innovative solutions to the world's most pressing needs through its four global businesses: Health and Life Sciences, National Security, Energy Technology, and Laboratory Management. It advances scientific discovery and application by conducting \$5 billion in global R&D annually through contract research, laboratory management, and technology commercialization.



Environmental Modelling & Risk Assessment

Battelle offers computer modelling to support development, registration, and registration maintenance of chemicals.

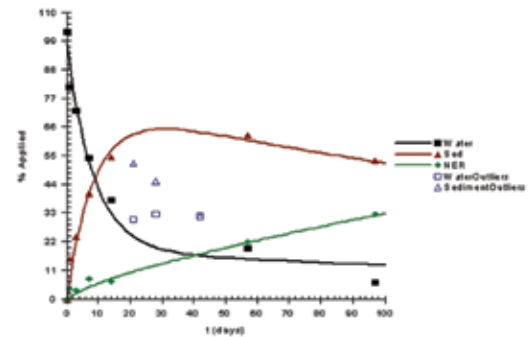
Our staff are industry-trained with more than 10 years of combined experience and expertise with a wide range of computer models and databases.

Battelle uses computer programmes recognised by regulatory authorities (PEARL, PELMO, PRZM, MACRO, and FOCUS_{GW & SW} tools) and also has extensive GIS capabilities. Data from laboratory and field studies in conjunction with environmental data are modelled in order to predict concentrations in soil, surface water, and ground water for use in risk assessments.

The behaviour can be assessed for a variety of climatic and geographical conditions where the compound is expected to be used.

The models can be used to develop exposure scenarios in order to produce environmental risk assessments. The data can be reviewed and refined to identify the primary factors which govern risk.

With a thorough understanding of these factors, strategies can be developed for safe use and to register and/or maintain registration of the compound.



Calculation of daily TWAC



Calculation of longer-term TWAC

