

+ Toxchem

VOC Emissions Estimation from Wastewater

Treatment Plants

If you are still using high-risk complex spreadsheets and costly laboratory analyses for monitoring programs in relation to estimating and reporting air emissions and contaminant fate during wastewater collection and treatment, then it is time to talk to us about Toxchem.

Our Toxchem software is used for estimating VOC air emissions from wastewater collection, preliminary/primary/secondary treatment and disposal facilities. The site-specific wastewater characteristics, contaminant properties, process design and operating information are used to estimate VOC emission rates.

In addition to air emission estimates, Toxchem can also be used to estimate the concentrations/loads of contaminants in the water effluent, oil removal and residual solids streams. The Toxchem interface makes process configuration so much easier with drag-and-drop simplicity along with a broader modelling capability with Toxchem's comprehensive contaminants database.

How Can Mantis.AI Help Me?

- Typical Toxchem application include:
- Regulatory reporting of VOC/HAP emissions (US EPA Clean Air Act Amendments and SARA reporting).
- Planning, designing and optimization of process schemes to reduce air emission.
- Bio-solids disposal management studies.
- Estimating maximum allowable headworks concentrations to avoid violation of emission limits, health and safety levels
- Tracking contaminant mass balance and inventory
- Potential air and effluent concerns from treating hauled wastes.

Request a demo – contact hydromatis@hatch.com

Expert Customer Support

- Whether you're looking for an online tutorial, need help from our industry-leading support team, or want to explore our custom training options, we've got you covered.

Extensive Online Resources

- Our resource library includes a wide range of videos covering the basics of our solutions, outlining new features, and an extensive list of modelling examples to help guide you.

Customized Workshop Training

- Our Hatch experts are available to lead customized online or in-person workshops to provide training, answer questions and help troubleshoot issues with user models.

Industry-leading Customer Support

- As a Hatch customer, you have access to our industry-leading support team. Our specialists will get back to you within 48 hours.

Optimization and modelling solutions

Get your hands on the market leader products for water and wastewater treatment plant analysis, design and operational support.

GPS-X

SimuWorks

Mantis.AI

ToxChem

CapdetWorks