



Hydromantis releases Toxchem™ 4.2, the latest version of the industry's most advanced simulator to predict and report on wastewater air emissions and contaminant fate

(Hamilton, ON Canada) - August 1st, 2013 - [Hydromantis Environmental Software Solutions, Inc.](http://www.hydromantis.com) (Hydromantis), the leading global provider of water and wastewater simulation software and professional modeling services, announced today the latest release of their air emissions and trace contaminants fate modeling tool, TOXCHEM™ V4.2. TOXCHEM™ was the first commercially available simulator for predicting air emissions and the fate of trace contaminants in wastewater treatment plants. It continues to be the most advanced solution approved by the US EPA for the reporting of emissions of organic compounds from secondary wastewater treatment units.

“TOXCHEM™ V4.2 adds new solids handling processes including Sludge Drying, Solids Conveyor, Incinerator, Fly ash Removal and Settling Pond. In modeling these processes, it is also possible to model the emissions of solids and metals in air. “Another key feature in this release is a new adsorption mechanism” commented Rajeev Goel, Hydromantis’ VP of Technology, “Studies have shown that adsorption of contaminants to dissolved organic carbon of natural origin plays an important role in the overall partitioning of the contaminant in the air-liquid-solid phases”. This release also incorporates new interface enhancements such as a *Quick Adjust Panel* for quick manipulation of variables, the functionality to add *User Notes* to log user comments, the ability for users to add custom process images to their layouts and flexible grid sizing to accommodate large model layouts.

For wastewater managers looking to quickly and easily conduct air emissions inventories for treatment facilities, optimize pre-treatment programs, address challenges in meeting effluent or bio-solids concentration objectives or considering alternative plant designs and models, TOXCHEM™ provides fast results while reducing costly laboratory analysis and minimizing the risk of errors in hand calculations and spreadsheets.

“TOXCHEM™ continues to be the only software solution of its kind to offer both professional technical support and regular annual releases to keep pace with the changing needs of the industry” said Darren Richarz, Hydromantis’ VP of Sales and Marketing.

About Hydromantis

[Hydromantis Environmental Software Solutions, Inc.](http://www.hydromantis.com), traces its roots back over 26 years as a global pioneer in the development of water and wastewater simulation technology. Based in Hamilton, Ontario, Canada, Hydromantis offers expert professional services for treatment plant modeling, design and optimization and they are the developer and owner of the industry's most popular modeling and simulation software including: GPS-X™, SimuWorks™, TOXCHEM™, CapdetWorks™ and WatPro™.

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