

E-Merge Systems, Inc. is a solutions and service provider for the water and wastewater industry.

We build plant/process data infrastructures based upon open architected technologies. A talented team of engineers provides integrated client-server and web-based data acquisition, storage and analysis solutions to its customers.

E-Merge has comprehensive water/wastewater process expertise - closed loop chemical feed systems, RTU based water distribution systems, filter/backwash automation, reverse osmosis systems, EPA, CT and State health department reporting systems.

E-Merge currently maintains and upgrades SCADA/PLC based data acquisition infrastructures for water treatment/distribution plants in Virginia and North Carolina. (Appomattox River Water Authority, County of Dare).

Extensive experience with information systems for manufacturing/ process clients all over USA and abroad (P&G, Rodel, Harley Davidson).

HydraView not only assists in complying with IESWTR requirements, but provides a robust infrastructure for other water treatment reporting requirements - CT, EPA and other State health department reports (additional modules required).

System addresses **turbidity performance requirements**, monitoring, violations, and automated reporting and recordkeeping as required by IESWTR specification.

Easy access to filter data - turbidity, rate of flow, loss of head, and filter events - all date/time stamped.

Saves Operating Costs - No need to tie up 3 to 4 plant operators to manually log readings - they can focus on operating the plant!

Automatic alarm notification of treatment violation.

Assists in generating **filter profiles** to identify abnormal filter performance.

Assists in Comprehensive Performance Evaluation (**CPE**) process.

Provides mechanism for **State** and **Public notification**.

Dynamic Charting of turbidity and other filter variables.

Turbidity Alert!

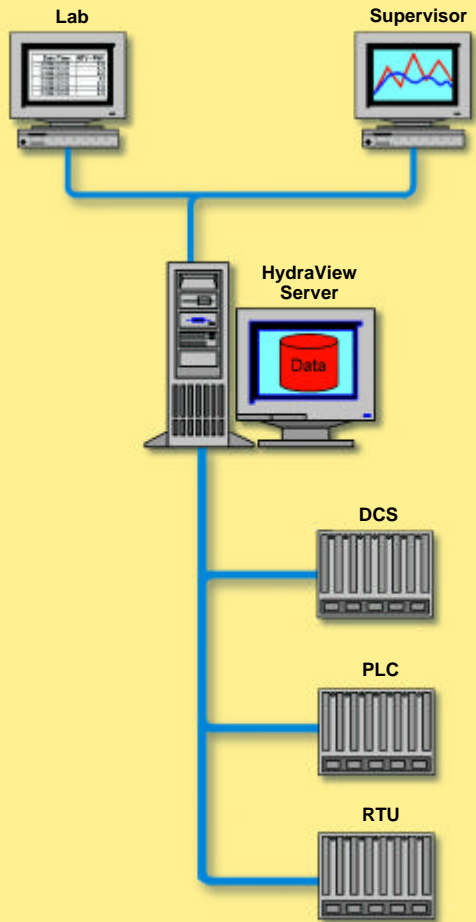
Are you aware of and making plans to address the regulatory requirements regarding water treatment **violations**, reporting and **recordkeeping** necessary for adhering and properly **complying** with the mandatory requirements outlined in **IESWTR** (EPA-815-R-91-010) related to **turbidity**? Will your facility be compliant by December 2001?

If not, **HydraView** can help you!

Call 804.344.3511 to learn how HydraView's reporting server can automate your facility.



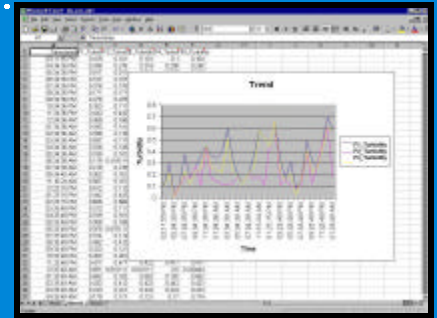
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Call 804.344.3511 for a free on-site demonstration or visit our web site at www.emergesystems.com.

Put your water treatment facility's data acquisition on auto pilot with HydraView reporting server.

- Easy to use web-based setup and configuration GUI. Data entry and reporting performed using Internet Explorer.
- **Open Architecture** - OPC, ActiveX, SQL, OLEDB, COM/DCOM, HTTP/HTML.
- **Web Enabled** - Built on Thin-Client technology - No need for expensive software on client machines.
- **Trend Wizard** delivers dynamic charts and historical traces of filter data in an easy to understand graphical format - Pick and choose multiple tags for trending and analysis.
- **Built in Scalability** - Any number of reports can be plugged into the existing framework thus saving thousands of dollars in development costs.
- **MS SQL Server 7.0 or MS Access 2000** backend with IE browser front end - based on industry wide Microsoft technologies.
- Software updates and **application updates** will be applied to the server - not to the client machines.
- Automated **backup** and **restore** utilities.
- Provides for **long-term storage** and archival of filter data.
- Can **post reports** and public notifications on the Web.



DYNAMIC FILTER DATA

A screenshot of a web browser displaying a 'Reporting Records' table. The table has multiple columns and rows of data, including headers for 'Date', 'Time', and various data points. The table is presented in a standard web browser layout with a navigation bar at the top.

REPORTING RECORDS

- Don't waste your facility's valuable time and money deploying manpower towards handling the regulatory requirements for reporting and recordkeeping.
- HydraView can assist you in automated data acquisition and reporting. HydraView can be customized for your plant's specific reporting needs.

HydraView automatically alarms/notifies staff of water treatment violations and provides dynamic charting for spikes in turbidity. HydraView assists in reporting that is mandated by the tightened standards outlined in IESWTR.