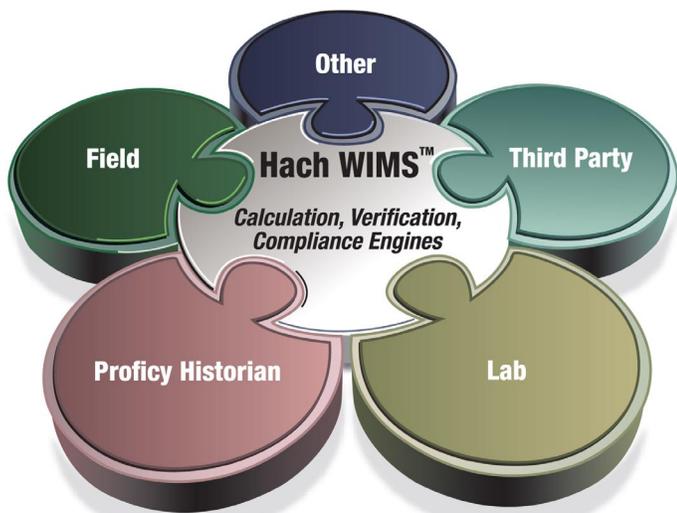


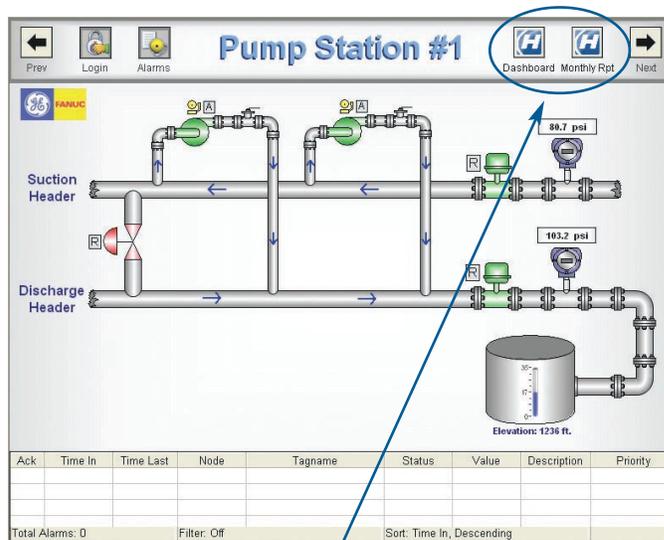
# Hach Water Information Management Solution™ (Hach WIMS™) Seamlessly Integrates with GE Fanuc Intelligent Platforms Proficy HMI/SCADA iFIX.

## Overview

Hach WIMS automatically captures data from Proficy Historian, combines it with lab, field and other data and securely stores it in a central database. Launch Hach WIMS directly from within the Proficy iFIX runtime environment with the new Water Solution Pack 2008 and use it to generate reports, enter operator log data and provide graphical visualization of data.



Automatically collect data from Proficy Historian —combine with other data sources.



Launch Hach WIMS from Proficy iFix, and visualize large amounts of data as useful information: graphs, reports, etc.

Operators can quickly compare lab, SCADA and field data for troubleshooting and analysis with the touch of a button. Now, powerful water system information is readily available to plant personnel whether they are in front of the HMI/SCADA system, in the office or in the field. The software is configurable to your organization.

## Save Time and Resources with Easy Data Access

Maintain data and reporting accuracy with no worries of typos, transcription errors or unapproved data. Data is either transferred electronically or entered manually, and made available to anyone with proper authorization, eliminating wasteful duplication and data corruption. Pre-defined and user-defined reports are available with a mouse click. Data consistency for all is assured since data is stored in a secure database. Authorized users always work with the source data which can be accessed from anywhere.

		Finished Water Chlorine Residual (mg/L)		Finished Water pH (SU)	
		SCADA Readings	Operator Check	SCADA Readings	Operator Check
7	Midnight	2.30	2.11	7.81	7.63
8	1 am	2.40		7.62	
9	2 am	2.30		7.56	
10	3 am	2.30		7.54	
11	4 am	2.30	2.22	7.65	7.66
12	5 am	2.30		7.60	
13	6 am	2.30		7.57	
14	7 am	2.30		7.51	
15	8 am	2.40	2.15	7.53	7.58
16	9 am	2.40		7.54	
17	10 am	2.40		7.52	
18	11 am	2.50		7.50	
19	Noon	2.50	2.16	7.56	7.55

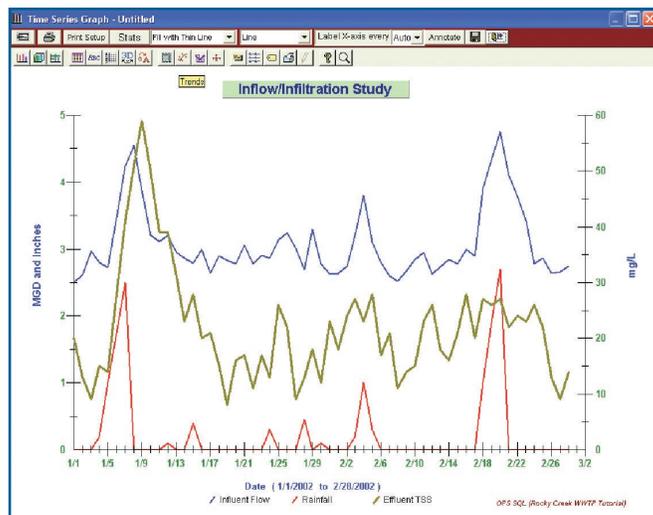
The operator can easily add manual data points into Hach WIMS without leaving the Proficy iFIX environment.

## Turn Data into Information

Leverage your Proficy Historian investment by turning the massive amounts of raw data into useful information. Many tags or variables have up to 86,000 values per day and typically only summary data is required for reporting and analysis. To see the overall operation, a combination of data from sources like SCADA, LIMS, commercials labs, in-house labs, outside agencies like the EPA or USGS and the field is required.

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)				NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)				COMBINED TREATED PROCESS (SUBR MS) Form Approved			
Name Rocky Creek WWT/P				D-101				F-FINAL			
Address Rocky Creek Village of 4000 Peggy Rd SE Big Rapids MI 49714				001 0				MUNICIPAL NO PRE-TREATMENT			
Facility Rocky Creek Wastewater Treatment Plant				MONITORING PERIOD				NOTE: Read transcripts before completing this form.			
Location 1234 Loe Lane				FROM 09 01 01 TO 09 01 31							
Attn: Clark Kent											
PARAMETER (EPA/MS)	METHOD	QUANTITY OR CONCENTRATION			QUALITY OR CONCENTRATION			NO. OF SAMPLES	FREQUENCY	SAMPLE TYPE	
		AVERAGE	MINIMUM	MAXIMUM	AVERAGE	MINIMUM	MAXIMUM				
800.5 DAY (20 DEG. C)	MEASUREMENT				215		331	(19)	0	DAILY	CONT
00010 1 0 0 RAW SEW/INFLUENT	PERMIT REQUIREMENT				REPORT DAILY MK		REPORT DAILY MK	MG/L	1	DAILY	CONT
00010 1 0 0 EFFLUENT GROSS VALUE PH	MEASUREMENT	569	1,760	(28)		22	47	(19)	1	DAILY	CONT
00010 1 0 0 EFFLUENT GROSS VALUE PH	PERMIT REQUIREMENT				REPORT DAILY MK		REPORT DAILY MK	MG/L	0	DAILY	CONT
00040 1 0 0 EFFLUENT GROSS VALUE SOLIDS TOTAL SUSPENDED	MEASUREMENT					6.3	7.7	(12)	0	DAILY	GRAB
00040 1 0 0 EFFLUENT GROSS VALUE SOLIDS TOTAL SUSPENDED	PERMIT REQUIREMENT				REPORT DAILY MK		REPORT DAILY MK	SU	0	DAILY	GRAB
00030 1 0 0 EFFLUENT GROSS VALUE FLOW IN CONDUIT OR THRU TREATMENT PLANT	MEASUREMENT					208	306	(19)	0	DAILY	CONT
00030 1 0 0 EFFLUENT GROSS VALUE FLOW IN CONDUIT OR THRU TREATMENT PLANT	PERMIT REQUIREMENT				REPORT DAILY MK		REPORT DAILY MK	MG/L	1	DAILY	CONT
00050 1 0 0 EFFLUENT GROSS VALUE FLOW IN CONDUIT OR THRU TREATMENT PLANT	MEASUREMENT	554	1,910	(28)		21	51	(19)	1	DAILY	CONT
00050 1 0 0 EFFLUENT GROSS VALUE FLOW IN CONDUIT OR THRU TREATMENT PLANT	PERMIT REQUIREMENT				REPORT DAILY MK		REPORT DAILY MK	MG/L	0	DAILY	CONT
800.5 DAY PERCENT REMOVAL	MEASUREMENT					79.57		(23)	3	DAILY	CALC.
91010 1 0 0 PERCENT REMOVAL	PERMIT REQUIREMENT					85.00			PER CENT	DAILY	CALC.

Hach WIMS combines SCADA, lab, field and outside agency data into useful information to create a more complete picture of your system.



## Simplify Tasks

The combination of Proficy iFIX with the Water Solution Pack 2008, Hach WIMS and the Proficy Historian simplifies informed decision-making with easy access to accurate information. These powerful tools simplify the set up tasks for fast start up and streamline your overall operations.

For any variable, pick the tag and the summary statistic. The Proficy Historian enables data collection at different collection intervals of milliseconds, seconds, minutes, etc. Hach WIMS will group data by minutes, hours, days, months, years, etc. as needed for reporting and analysis.

A forms driven interface streamlines the set up of the variable definition from Proficy Historian.

For more information on Hach WIMS, please call 1-800-677-0067 or 505-892-6700 or visit: [www.hach.com/wims](http://www.hach.com/wims)



Be Right™