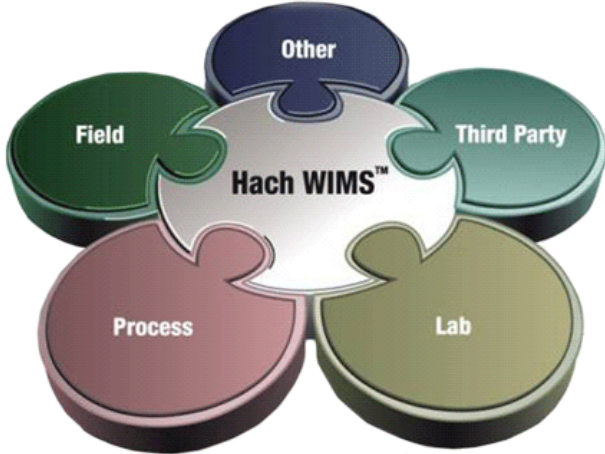


## Hach WIMS Online Quick Start Guide

Welcome to the Hach Water Information Management Solution Software Online demo. This simple training guide will give you a quick overview of our software.

**WELCOME: Water Information Management Solution Software Online**



**Buried in Data? Make it Meaningful.**

Reams of paper and tons of data slowing you down? You need a way to compile and secure your data from multiple sources and quickly and easily output it into:

- Internal and regulatory reports
- Easy-to-understand dashboards
- Trends analysis charts
- What-if models

Hach Water Information Management Solution (WIMS) software makes your data meaningful so you can make performance decisions quickly, easily and confidently.

Compile Data Easily >>

Manage Complex Calculations >>

Troubleshoot Issues >>

Monitor/Improve Performance

Prepare Reports >>

Sheet1

### Compile Data Easily:

#### Wastewater example -

Click on the Browse Influent Data button and it will take you to a Monthly Data Entry Report for the month of June 2010.

Hach WIMS Professional v7.0.9 - SUPER @ "WIMS Online Sandbox" on LOCALHOST\OPSSQL.OPSONLINE

File Data Manager Report Pac Graph Pac Design System Setup Modeling Preferences Utilities Help

Home Back Refresh Print

## Water Information Management Solution Software Online - Compile Data

### Data Overload Got You Down?

By itself, data is dumb. But Hach WIMS transforms data dumps into actionable insight. You'll spend less time compiling data and more time running your operation.

### See Your Whole Operation: Combine Data From Field, Lab & Operations

- Access your data instantly in an easy-to-interpret format so you can quickly make informed decisions.
- Anything you want to track, whether it's dosages, flows, or concentration, and any summarized data like daily average flow, 15 minute turbidity maximum or hourly dissolved oxygen minimum, the information is at your fingertips!
- Automatically collect data from your SCADA system, dataloggers, laboratory and LIMS software packages, as well as commercial labs or external data designated by your engineering firm or other
- Download data from portable field devices or enter data directly using personalized screens that match your daily log or bench

### Secured in Centralized Location

- Access central database locally or via a secured web interface.
- Data is stored in one location, therefore everyone is guaranteed to be viewing the same information.
- Data is more accurate because it is entered one time into the system, whether manually or automatically, allowing for fewer errors from copying or transposing data.
- Audit trails are maintained so you can see who touched the information to ensure trusted data.
- Historical records are safe and secure, and available for easy viewing.

#### Wastewater Example:

1. Click the Browse Influent Data button to review your influent data.
2. Use the date picker to Switch Months

< Jan 2009 >

3. Right Click, insert column and browse to F to M.
4. Right Click and use list inputs to drill down into the data

Browse Influent Data

#### Drinking Water Example:

1. Click the Browse Water Data button to review your SWTP data
2. Use the date picker to Switch Months

< Jan 2009 >

3. Right Click, insert column and browse to Chemical - Alum Usage
4. Right Click and use list inputs to drill down into the data

Browse SWTP Data

6/30/2010 2:58 PM 0 CID: 0 Wednesday, June 30,

You are looking at a monthly Data Entry report. Click on the value for Influent BOD on June 3<sup>rd</sup>. You may have to use the date picker to get to June 3, 2010) Right click and select **Insert Column**.

Influent Variables - Monthly Data Entry

File Edit Format

Jul 2010 Wed

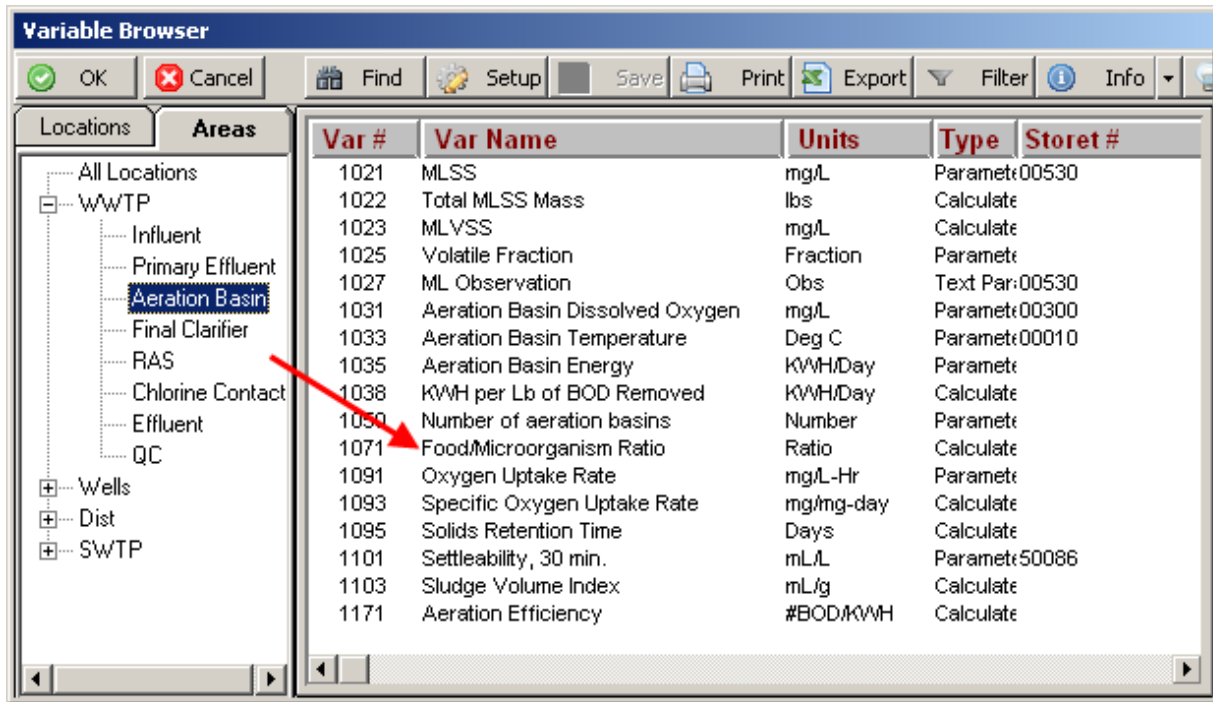
Entry Min 0 Daily Limit Min Max 15 Var Info Equation

Use date picker to scroll to June 3rd, 2010

	Daily Con	1 - Influent Flow MGD	2 - Influent Flow Hourly MGD	11 - Influent BOD mg/L	12 - Influent BOD Load lbs/day	41 - Influent TSS mg/L	42 - Influent TSS Load lbs/day	81 - Influent pH SU	101 - Au
1 Thu		2.760	2.763	279	6422	208	4768	7.0	
2 Fri		2.620	2.615	205	4479	223	4873	7.1	
3 Sat		2.980	3.002	295	7332	215	5343	7.2	
4 Sun		2.800	2.802				5044	6.6	
5 Mon		2.730	2.725				5419	6.9	
6 Tue		3.470	3.466				7438	7.0	
7 Wed		4.080	4.101				8983	7.1	
8 Thu		4.110	4.136				8535	6.9	
9 Fri		3.680	3.690				7410	7.2	
10 Sat		3.210	3.202				6024	6.4	
11 Sun		3.110	3.113				5291	7.2	
12 Mon		3.200	3.209				4857	7.4	
13 Tue		2.950	2.957				5044	7.1	
14 Wed		2.870	2.866				4572	7.3	
15 Thu		2.790	2.791				4933	6.8	
16 Fri		3.000	2.996				4128	6.9	
17 Sat		2.640	2.631				4293	7.2	
18 Sun		2.900	2.906				5007	6.3	
19 Mon		2.830	2.817				5192	7.2	
20 Tue		2.780	2.779				4915	7.3	
21 Wed		3.060	3.054				5130	7.1	
22 Thu		2.780	2.785				3733	7.0	
23 Fri		2.910	2.893				4757	6.9	
24 Sat		3.300	3.308				5284	6.9	
25 Sun		3.140	3.156				4347	6.6	
26 Mon		3.240	3.238				5242	7.1	
27 Tue		3.020	3.016				5390	7.2	
28 Wed		2.690	2.693				3634	7.1	
29 Thu		3.300	3.287				5092	7.7	

Context menu options: Cut, Copy, Paste, Magnify and Edit Cell, Ditto, Force, Result Comment, List Inputs (1st Level), List Inputs (All Levels), List Dependencies (1st Level), List Dependencies (All Levels), **Insert Column**, Hide Column(s), Audit Information, Sample Information, Calc Error Log, Refresh Cell, Block Stats, Additional Info, Var Info, Last 12 Daily Values, Edit Detail Data, Show Detail Data, Recalc Cell(s)

The Variable Browser will be displayed. In the Areas tab, select **WWTP** and then **Aeration Basin**. Double Click on **V1071 (Food/Microorganism Ratio)** to bring it into the review form. This will insert the new variable to the right of the current column.



		Influent		Aeration	Influent			
	Daily Com	1 - Influent Flow MGD	2 - Influent Flow Hourly MGD	1071 - Food/Microorganism Ratio	11 - Influent BOD mg/L	12 - Influent BOD Load lbs/day	41 - Influent TSS mg/L	42 - Influent TSS Load lbs/day
8 Thu		4.110	4.136	0.0860	232	7952	249	84
9 Fri		3.880	3.890	0.1002	255	8252	229	74
10 Sat		3.210	3.202	0.0913	287	7683	225	68
11 Sun		3.110	3.113	0.0876	308	7989	204	57
12 Mon		3.200	3.209	0.0917	331	8834	182	57
13 Tue		2.950	2.957	0.0861	320	7873	205	50
14 Wed		2.870	2.866	0.0687	281	6726	191	49
15 Thu		2.790	2.791	0.0768	319	7423	212	493
16 Fri		3.000	2.996	0.0699	268	6705	165	41
17 Sat		2.640	2.631	0.0686	285	6275	195	42
18 Sun		2.900	2.906	0.0744	297	7183	207	50
19 Mon		2.830	2.817	0.0731	305	7199	220	51
20 Tue		2.780	2.779	0.0671	285	6608	212	49
21 Wed		3.060	3.054	0.0745	260	6635	201	57
22 Thu		2.780	2.785	0.0756	323	7489	161	373
23 Fri		2.910	2.893	0.0758	282	6844	196	475
24 Sat		3.300	3.308	0.0839	285	7844	192	
25 Sun		3.110	3.156	0.0839	316	8275	156	

## Drinking Water example –

Click on the Browse SWTP Data button and it will take you to a Monthly Data Entry Report for the month of June 2010. Click on the value for Plant Total Influent Flow MGD on June 3<sup>rd</sup>. Right click and select **Insert Column**.

The screenshot shows the Hach WIMS Professional v7.0.9 software interface. The title bar reads "Hach WIMS Professional v7.0.9 - SUPER @ 'WIMS Online Sandbox' on LOCALHOST\OPSSQL.OPSONLINE". The menu bar includes File, Data Manager, Report Pac, Graph Pac, Design, System Setup, Modeling, Preferences, Utilities, and Help. The toolbar has Home, Back, Refresh, and Print buttons. The main content area is titled "Water Information Management Solution Software Online - Compile Data".

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- Anything you want to track, whether it's dosages, flows, or concentration, and any summarized data like daily average flow, 15 minute turbidity maximum or hourly dissolved oxygen minimum, the information is at your fingertips!
- Automatically collect data from your SCADA system, dataloggers, laboratory and LIMS software packages, as well as commercial labs or external data designated by your engineering firm or other
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- Historical records are safe and secure, and available for easy viewing.

**Wastewater Example:**

1. Click the Browse Influent Data button to review your influent data.
2. Use the date picker to Switch Months

Jan 2009

3. Right Click, insert column and browse to F to M.
4. Right Click and use list inputs to drill down into the data.

**Browse Influent Data**

**Drinking Water Example:**

1. Click the Browse Water Data button to review your SWTP data
2. Use the date picker to Switch Months

Jan 2009

3. Right Click, insert column and browse to Chemical - Alum Usage
4. Right Click and use list inputs to drill down into the data.

**Browse SWTP Data**

The status bar at the bottom shows "Sheet1", "6/30/2010 2:58 PM 0", "CID: 0", and "Wednesday, June 30,".

Click on the value for Influent BOD on June 3<sup>rd</sup>. Right click and select **Insert Column**.

WTR Operator Entry and Review Form - Monthly Data Entry

File Edit Format

Jul 2010 Tuesday, July 13, 2010

Entry Min Max 50 Daily Limit Min Max Var Info 11001 Plant Equation

	Daily Com	11001 - Plant Flow Rate Influent #1 MGD	11002 - Plant Flow Rate Influent #2 MGD	11003 - Plant Total Influent Flow MGD	11131 - Raw Water Nitrate mg/L	15001 - Finished Water Pump Total Flow MG
1 Thu		21.34	20.69	42.03	1.8	44.41
2 Fri		21.24	20.76	42.00		43.72
3 Sat		21.19	20.83	42.02		44.90
4 Sun		21.13	20.85			44.36
5 Mon		21.16	20.83			45.49
6 Tue		21.15	20.81			43.03
7 Wed		21.13	20.93			44.25
8 Thu		21.15	20.85			45.28
9 Fri		21.17	20.86			45.62
10 Sat		21.06	20.93			43.30
11 Sun		21.10	20.91			43.25
12 Mon		21.98	20.96			41.89
13 Tue		20.92	21.09			44.94
14 Wed		20.84	21.18			44.64
15 Thu		20.82	21.12			46.16
16 Fri		18.79	19.31			39.89
17 Sat		17.42	17.87			37.34
18 Sun		18.20	17.84			37.86
19 Mon		18.10	17.82			37.83
20 Tue		18.18	17.86			38.16
21 Wed		18.09	17.92			37.84
22 Thu		18.11	17.88			38.24
23 Fri		18.07	17.92			37.74
24 Sat		18.14	17.86			37.34

Context Menu:

- Cut
- Copy
- Paste
- Magnify and Edit Cell
- Ditto
- Force
- Result Comment
- List Inputs (1st Level)
- List Inputs (All Levels)
- List Dependencies (1st Level)
- List Dependencies (All Levels)
- Insert Column**
- Hide Column(s)
- Audit Information
- Sample Information
- Calc Error Log
- Refresh Cell
- Block Stats
- Additional Info
- Var Info

The Variable Browser will be displayed. In the Location tab, select **Chemical** and then **Alum Day Tank Combined Usage**. Double Click on **V10257** to bring it into the review form. This will insert the new variable to the right of the current column.

Variable Browser

OK Cancel Find Setup Save Print Export Filter Info

Locations	Var #	Var Name	Units	Type	Storet #
*** All Locations ***	10252	Alum Day Tank 1 Usage	Feet	Parameter	
Influent	10255	Alum Day Tank 2 Usage	Feet	Parameter	
Primary Effluent	10257	Alum Day Tank Combined Usage	Lbs	Calculate	
Aeration Basin	10258	Alum Dose	mg/L	Calculate	
Final Clarifier	10529	Coagulant Day Tank Usage	Lbs	Parameter	
RAS	10530	Coagulant Aid Dose	mg/L	Calculate	
Chlorine Contact	10783	PAC Prep Tank Level	Feet	Parameter	
Effluent	10787	PAC Prep Tank Total Usage	Feet	Parameter	
QC	10788	PAC Tank #1 Current	Feet	Parameter	
Well #1	10792	PAC Tank #1 Total Usage	Feet	Parameter	
Well #3	10793	PAC Tank #2 Current	Feet	Parameter	
General	10797	PAC Tank #2 Total Usage	Feet	Parameter	
Raw Water	10798	PAC Combined Usage	Lbs	Calculate	
Blender	10800	PAC Tank #1 Concentration	%	Parameter	
Settled Water	10801	PAC Tank #2 Concentration	%	Parameter	
Filters	10802	PAC Prep Tank Lbs Usage	Lbs	Calculate	
Filtered Water	10803	PAC Tank #1 Lbs Usage	Lbs	Calculate	
Clearwell	10804	PAC Tank #2 Lbs Usage	Lbs	Calculate	
Finished Water					
Chemical					

**WTR Operator Entry and Review Form - Monthly Data Entry**

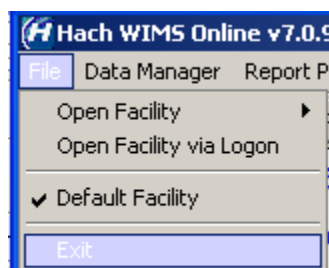
File Edit Format

Jul 2010 Thursday, Jul 15, 2010

Entry Min  Daily Limit Min  Var Info   
 Max  Max  Equation

	Daily Com	11001 - Plant Flow Rate Influent #1 MGD	11002 - Plant Flow Rate Influent #2 MGD	10257 - Alum Day Tank Combined Usage Lbs	11003 - Plant Total Influent Flow MGD
1 Thu		21.34	20.69	5362.32	42.03
2 Fri		21.24	20.76	5331.67	42.00
3 Sat		21.19	20.83	5147.82	42.02
4 Sun		21.13	20.85	4611.59	41.98
5 Mon		21.16	20.83	4489.02	41.99
6 Tue		21.15	20.81	4642.23	41.96
7 Wed		21.13	20.93	4550.31	42.06
8 Thu		21.15	20.85	5055.90	42.00
9 Fri		21.17	20.86	5990.47	42.03
10 Sat		21.06	20.93	5959.83	41.99
11 Sun		21.10	20.91	5852.58	42.01
12 Mon		21.98	20.96	5837.26	42.94
13 Tue		20.92	21.09	5944.51	42.01
14 Wed		20.84	21.18	6021.11	42.02

To return to the main menu, click on **File** and then **Exit**. Click on the **Home** button.



## Manage Calculations

Hach WIMS Professional v7.0.9 - SUPER @ "WIMS Online Sandbox" on LOCALHOST\OPSSQL.OPSONLINE

File Data Manager Report Pac Graph Pac Design System Setup Modeling Preferences Utilities Help

Home Back Refresh Print

### Water Information Management Solution Software Online - Manage Calculations

**Data Overload Got You Down?**

You don't need to be a statistician to analyze your data. Hach WIMS quickly and accurately performs complex water and wastewater industry calculations with the click of a button. No more spreadsheets for your weekly averages or writing complex macros to handle data qualifiers.

**Error free and worry free**

Calculations must be done accurately and consistently in order to do regulatory reporting, troubleshoot system upsets, analyze cost overruns, check compliance issues, identify opportunities for cost reduction, and much more.

**Wastewater Example:**

1. Go to System Setup, Add/Edit Variables, browse to Eff Mercury and see the MDL Rules tab.
2. Click the Browse Influent Data button to review your influent data.
3. Right Click, insert column and browse to F to M.
4. Right Click and use list inputs to drill down into the data.

**Browse Influent Data**

**Drinking Water Example:**

1. Click the Browse CT Calc Data button to review your CT Calculations. WIMS finds your peak flow and uses it to look up your CT required. No more looking at tables.

**Browse CT Calc Data**

On the main menu, select **System Setup**, then **Edit/View Variables**.

Hach WIMS Professional v7.0.9 - SUPER @ "WIMS Online Sandbo

File Data Manager Report Pac Graph Pac Design System Setup Modeling P

Home Back Refresh Print

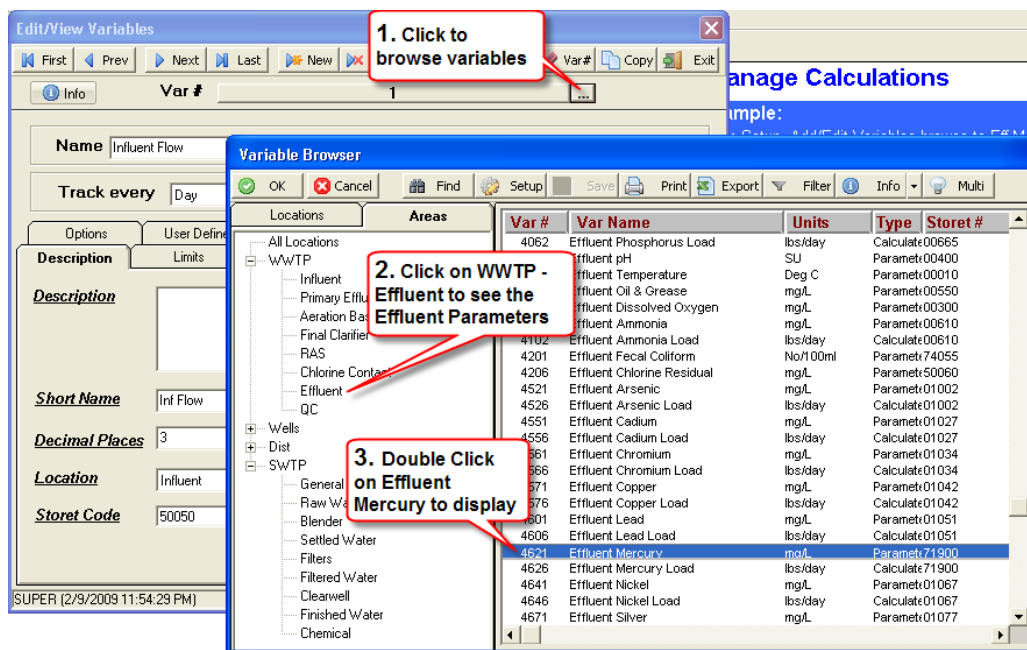
### Water Information Manage

**Data Overload Got You Down?**

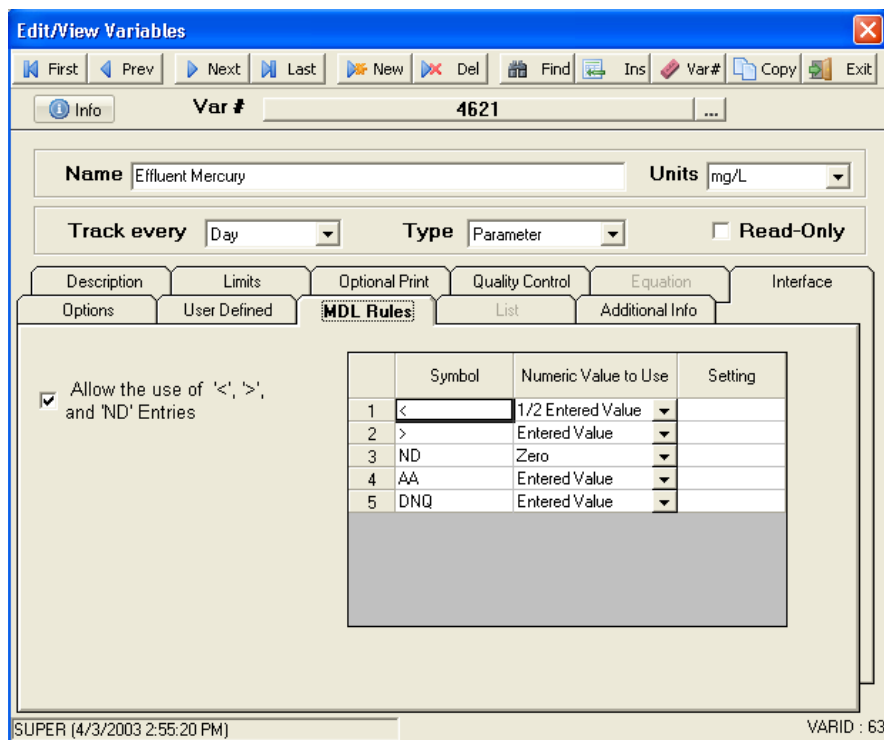
You don't need to be a statistician to a  
quickly and accurately performs c

- Edit/View Variables
- Group Managers
- System Tables
- Location Setup
- User Setup
- Scheduled Tasks
- Admin Console
- Edit Business Rules

The Variable Browser is displayed. Click on the Variable Browser button [...]. Next, in the **Areas** tab, click on **WWTP** and select **Effluent** to see the Effluent Parameters. Double-click on **Effluent Mercury** (V4621) to display.



You are now at the Edit/View Variables screen. From here click on the MDL Rules tab and select the less than symbol, "<". Please note that for evaluation purposes this screen is in "read-only" mode.





Go back to the main menu and click on the **Browse Influent Data** button and it will take you to a Monthly Data Entry Report.

**Water Information Management Solution Software Online - Manage Calculations**

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**Drinking Water Example:**

**Click here to see a data entry and review form.**

**Browse Influent Data**

Click on the value for Influent BOD for June 3rd. Right click and select **Insert Column**.

**Influent Variables - Monthly Data Entry**

File Edit Format

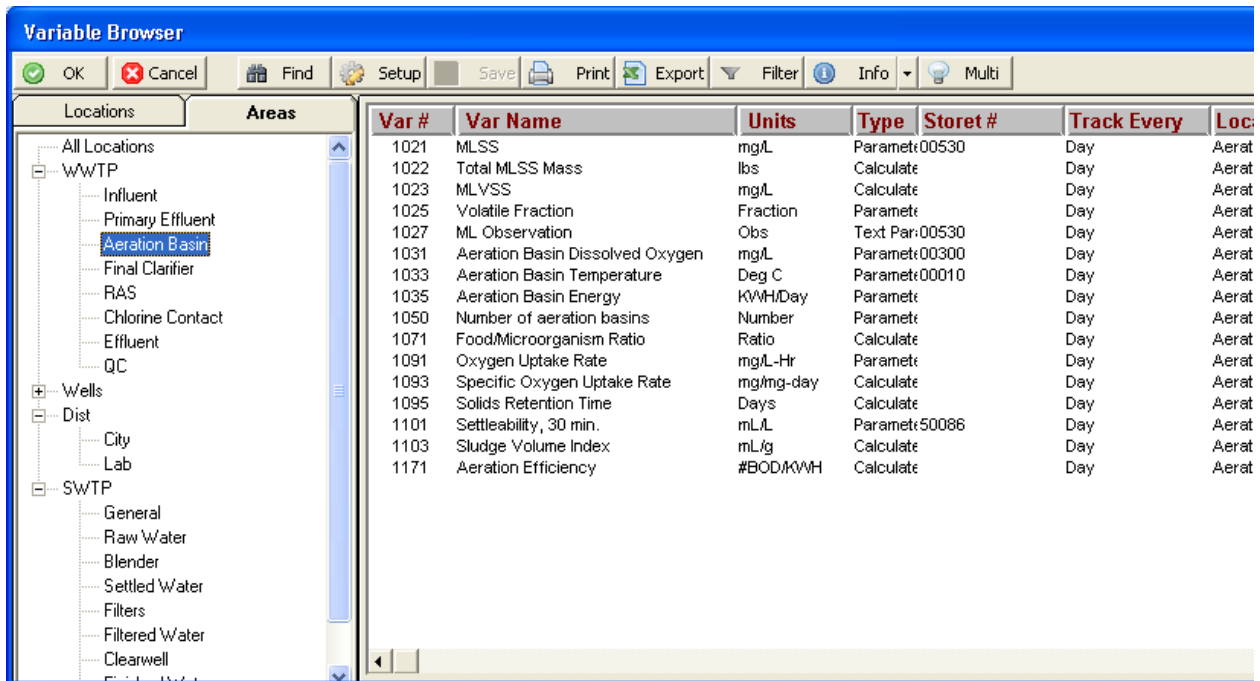
Jun 2010 Thursday, June 03, 2010 Comments Calc Approve

Entry Min Max Daily Limit Min Max Var Info Equation 11 Influent BOD (mg/L)

	Daily Con	Influent									
		1 - Influent Flow MGD	2 - Influent Flow Hourly MGD	11 - Influent BOD mg/L	12 - Influent BOD Load lbs/day	41 - Influent TSS mg/L	42 - Influent TSS Load lbs/day	81 - Influent pH SU	101 - Influent Ammonia mg/L	102 - Influent Ammonia Load lbs/day	
1 Tue		2.397	2.395	255	5098	222	4438	7.0			
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18 Fri		2.900	2.907			37	5007	6.3			
19 Sat		2.830	2.840			20	5192	7.2			
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21 Mon		3.060	3.057			31	5130	7.1			
22 Tue		2.780	2.787			32	3524	7.0			
23 Wed		2.910	2.918			36	4757	6.9			
24 Thu		2.870	2.876			32	4596	6.9			
25 Fri		3.140	3.137			36	4347	6.6			
26 Sat		3.240	3.225			34	5242	7.1			
27 Sun		3.020	3.054			14	5390	7.2			
28 Mon		2.690	2.688			32	3634	7.1			

WWTP.Influent Num Down Overwrite RE Import 3/11/2003 FINAL APPROVAL

Select Variables and click **OK**.



In the Manage Calculations page click on the **Browse CT Calc Data** button to see how easy your CT Calcs can be with WIMS.

Hach WIMS Professional v7.0.9 - SUPER @ "WIMS Online Sandbox" on LOCALHOST\OPSSQL.OPSONLINE

File Data Manager Report Pac Graph Pac Design System Setup Modeling Preferences Utilities Help

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[Browse Influent Data](#)

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1. Click the Browse CT Calc Data button to review your CT Calculations. WIMS finds your peak flow and uses it to look up your CT required. No more looking at tables.

[Browse CT Calc Data](#)

**Click here to see how easy your CT Calcs can be with WIMS.**

1. Click on the equation

2. All your CT Calcs are automated. No more picking the Peak Hourly Flow, writing down numbers, searching for print-outs of tables, etc...

Entry Min	Daily Limit Min	Var Info	Equation	14661 Clearwell 3 Log Giardia CT Required [mg/L-mins]	14661 - Clearwell CT Achieved mg/L-mins	14661 - Clearwell 3 Log Giardia CT Required mg/L-mins	14665 - Clearwell 4 Log Viruses CT Required mg/L-mins	14671 - Clearwell 3 Log Giardia CT Ratio
			CTR3LGC(1,V15052,V15062,V15012) '1 is the constant for					
2 Fri	1.0	24.6						
3 Sat	1.0	24.4						
4 Sun	1.0	24.5						
5 Mon	1.0	23.2						
6 Tue	1.0	24.0						
7 Wed	1.0	24.9						
8 Thu	1.60	28.2						
9 Fri	1.50	28.4						
10 Sat	1.40	28.2						
11 Sun	1.30	28.1						
12 Mon	1.40	27.7						
13 Tue	1.50	28.0						
14 Wed	1.60	7.68	2.1	25.9	38.9	51.0	1.6	
15 Thu	1.30	7.52	1.7	21.7	14.8	18.5	1.7	
16 Fri	1.50							
17 Sat	1.50							
18 Sun	1.40							
19 Mon	1.60							
20 Tue	1.50							
21 Wed	1.60							

[Clearwell 3 Log Giardia CT Required [mg/L-mins]] = CTR3LGC(1, [Finished Water Temperature @ Peak Flow [Deg C]], [Finished Water pH @ Peak Flow [SU]], [Finished Water Cl2 Resid @ Peak Flow [mg/L]])

## Troubleshooting and Optimization

On the main page, click on the Troubleshoot Issues button. To see a graph of your Aeration Efficiency, click on the **KWH per Lbs of BOD Removed** button.

Hach WIMS Professional v7.0.9 - SUPER @ "WIMS Online Sandbox" on LOCALHOST\OPSSQL.OPSONLINE

File Data Manager Report Pac Graph Pac Design System Setup Modeling Preferences Utilities Help

Home Back Refresh Print

### Water Information Management Solution Software Online - Troubleshoot and Optimize

**Let the Software Do the Detective Work**

System upsets, cost overruns, compliance issues, complaints keeping you up at night? Use Hach WIMS to find the information and find the answer. Plus predictive modeling mean you can prevent future issues from occurring!

- No longer spend hours looking through data and log books or manually calculating to see if you have a problem. WIMS automatically compares and verifies data and flags problems so you know exactly when to investigate.
- Develop "what if" scenarios with built-in modeling to expand your business process know-how and avoid future upsets.

**Click to see a graph of your Aeration Efficiency**

**Click to see a graph of how effective your Alum addition is**

**Wastewater Example:**

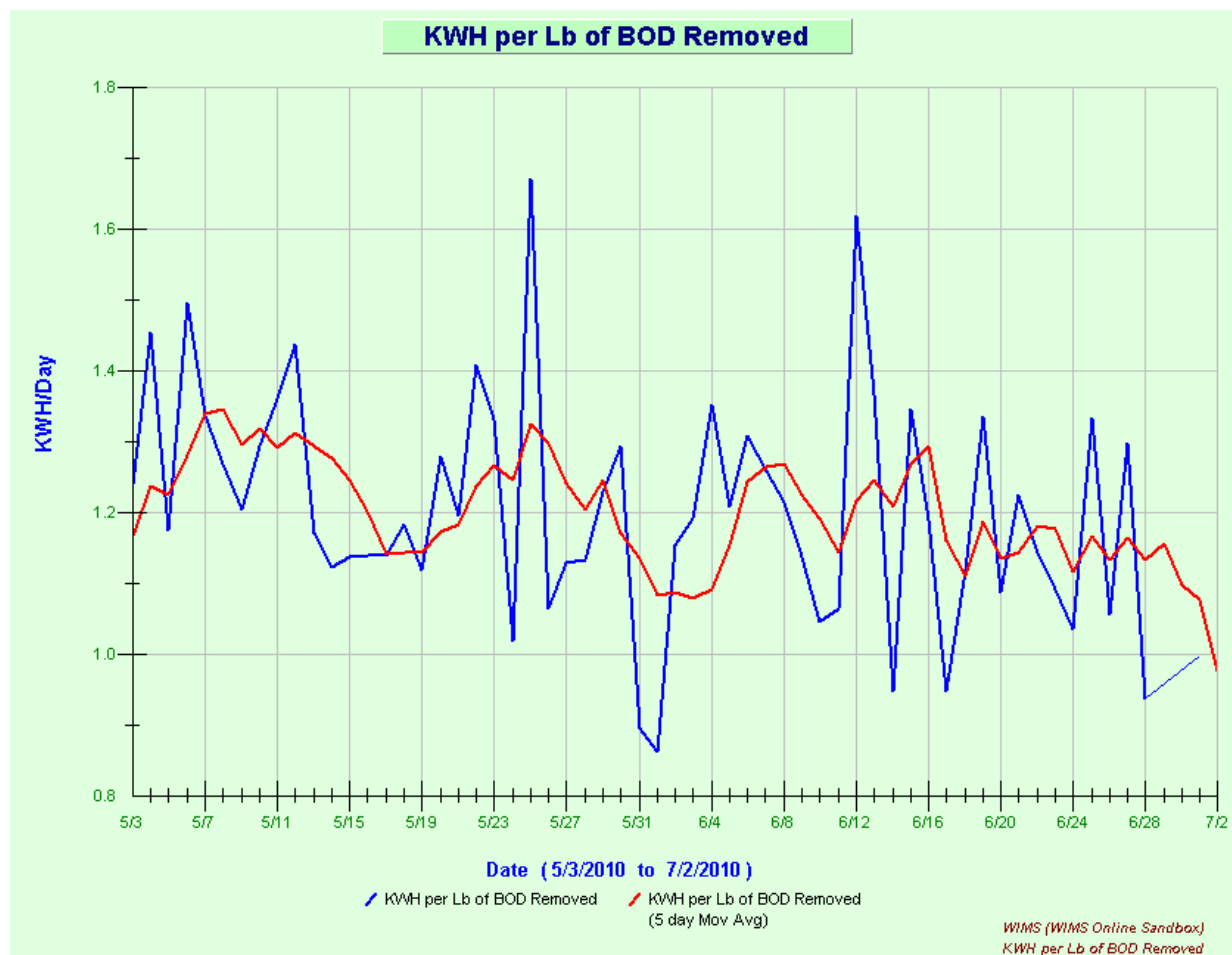
- See Key Performance Indicators and benchmarks at a glance. Click the KWH per lb of BOD Removed Trend to get a quick view of how efficiently your aeration is working.

**KWH per Lb of BOD Removed**

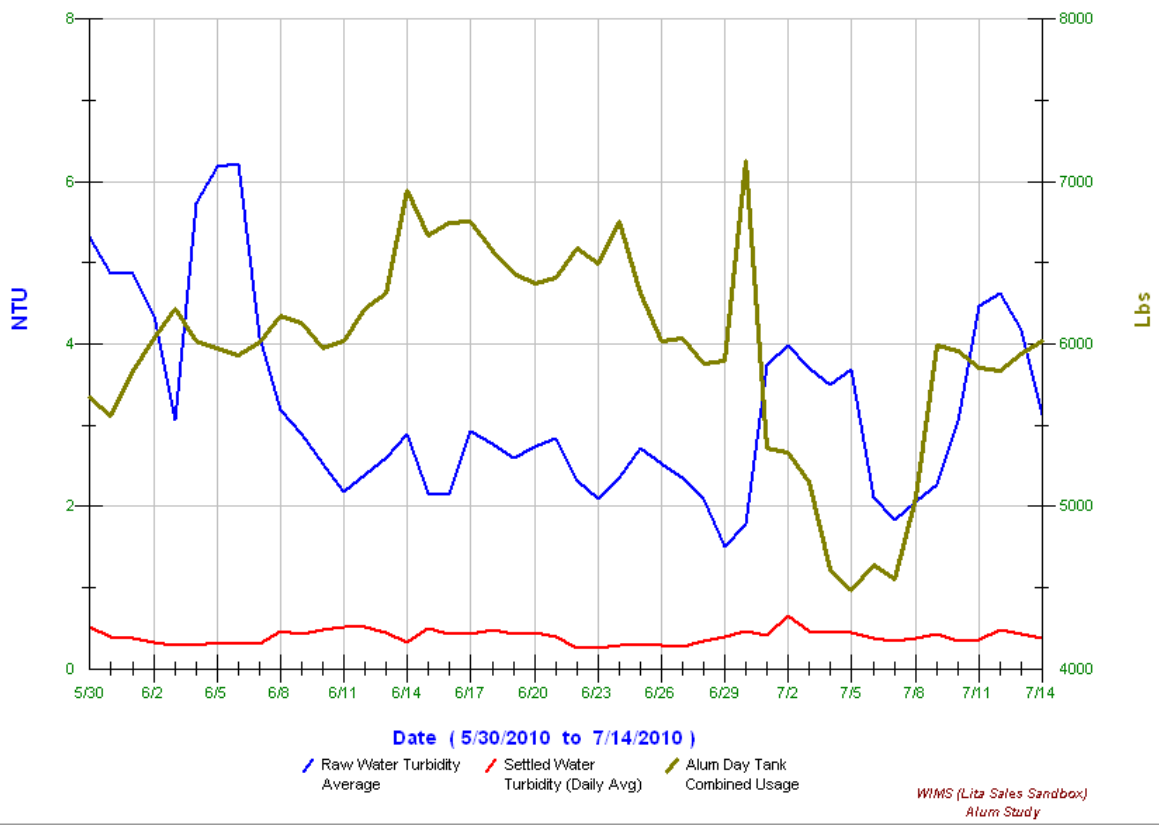
**Drinking Water Example:**

- View your Alum use vs your Raw Water and Settled Water turbidity.

**Alum vs Turbidity Chart**



### Alum Study



## Monitor and Improve Performance

Hach WIMS Professional v7.0.9 - SUPER @ "WIMS Online Sandbox" on LOCALHOST\OPSSQL.OPSONLINE

File Data Manager Report Pac Graph Pac Design System Setup Modeling Preferences Utilities Help

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### Water Information Management Solution Software Online - Monitor & Improve Performance

#### Get Your Data Fast and Make Decisions Faster

What you want when you want it! Hach WIMS gives you a custom dashboard, along with reporting and graphing tools, to help you manage performance and optimize operations – fast.

- Immediately shows the information you need to know
- Easily compare different sets of data in unique ways to get different perspectives on your operations
- Preprogrammed templates, wizards, and built-in calculation tools simplify report generation and data analysis
- Dashboards allow you to monitor key data, provides shortcuts to other parts of the software, quick access to reports, graphs, entry forms, can also be customized to the user
- Identify cost reduction opportunities by comparing data from throughout your operation. Save time with shortcuts to the data and reports you most frequently need
- Easily configure graphs for trend analysis, correlations, and control charting
- Peace of mind that your data is accurate and confidence in your decisions

#### Wastewater Example:

Dashboards let you see your system at a glance and gives you easy access to drill down into the data with shortcuts:

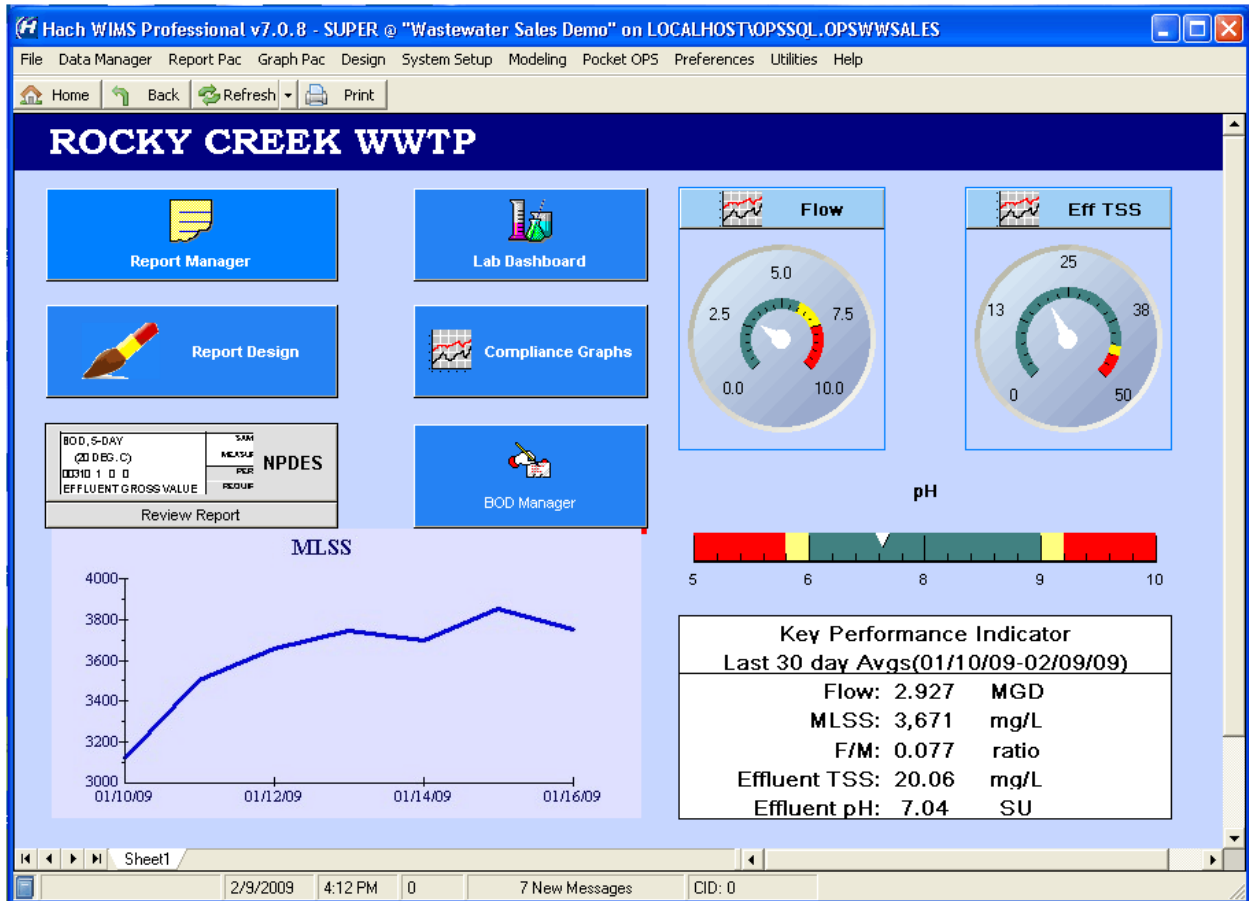
**WWTP Plant Manager Dashboard**

**WTP Plant Manager Dashboard**

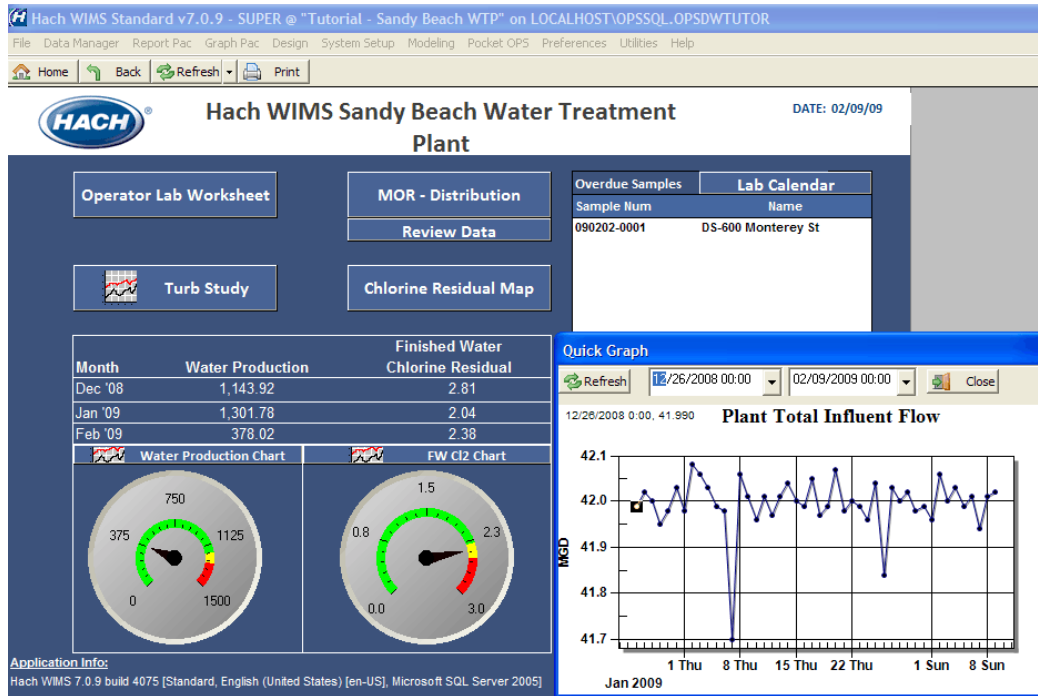
**City Dist Monitoring Map**

Go to Modeling, Clarifier Analysis, State Point Analysis to Model your clarifiers under different conditions.

Each user can have their own dashboard and it can be configured to their specific needs. This dashboard would be an example of one we would typically see for a Plant Manager. It has gauges that visually display KPIs, shortcuts to common tasks.



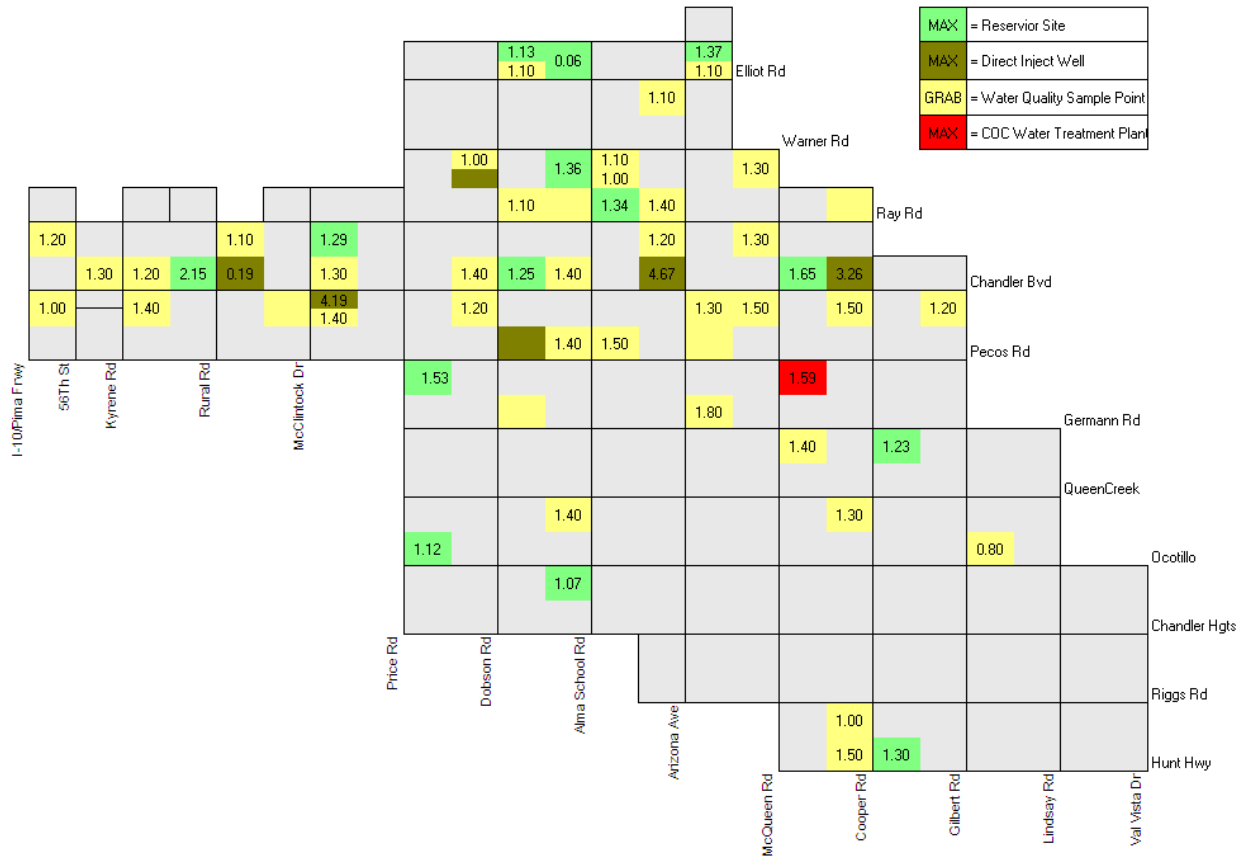
Each user can have their own dashboard and it can be configured to their specific needs. This dashboard would be an example of one we would typically see for a Plant Manager. It has gauges that visually display a water production chart and shortcuts to common tasks.

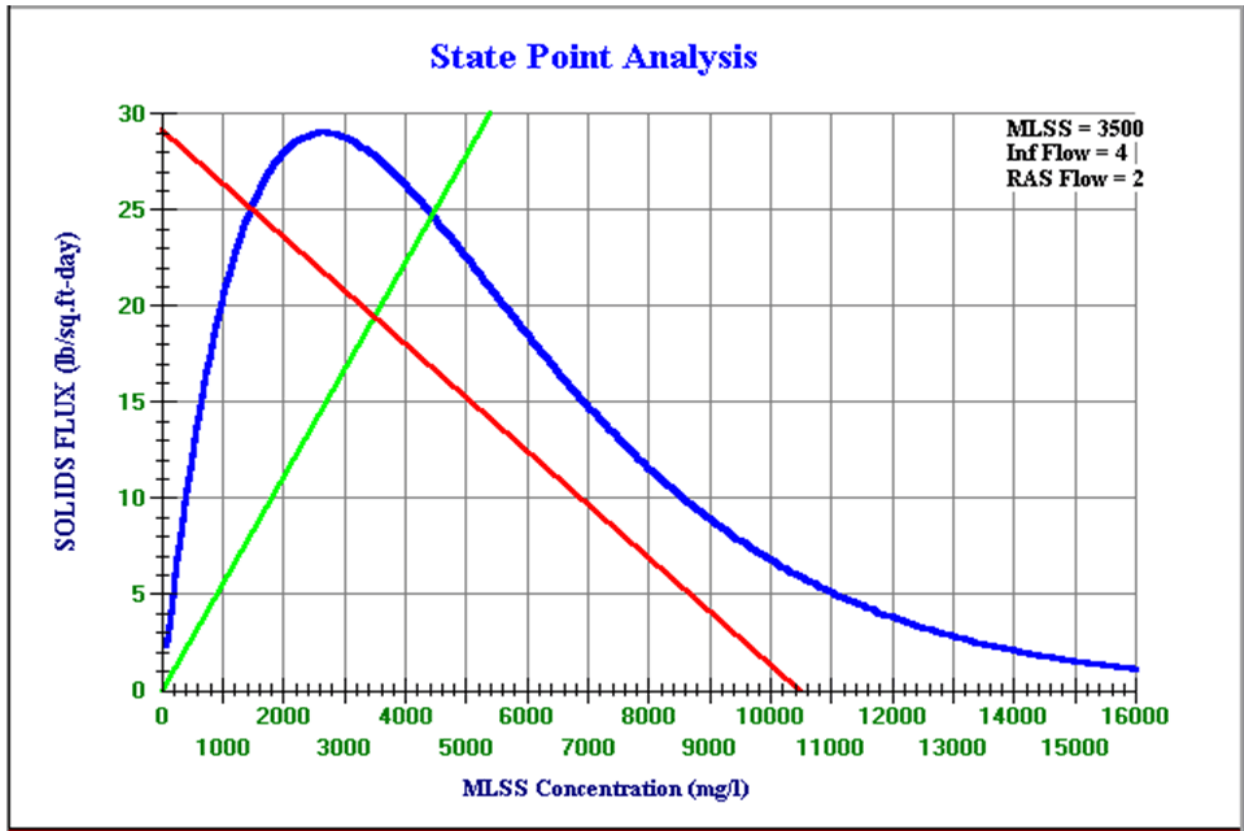




**City Dist Monitoring Map**

**Chlorine Residual Across Sandy Beach  
February 01, 2009**



tate Point Analysis

# Prepare Reports

Hach WIMS Professional v7.0.9 - SUPER @ "WIMS Online Sandbox" on LOCALHOST\OPSSQL.OPSONLINE

File Data Manager Report Pac Graph Pac Design System Setup Modeling Preferences Utilities Help

Home Back Refresh Print

## Water Information Management Solution Software Online - Reports

**Powerful Information at Your Fingertips**

Imagine saying goodbye to reams of paper. Cut down the time it takes to create business and regulatory reports from hours to just the click of the button! Hach WIMS can generate your reports and get information you need automatically!

- Preprogrammed templates and wizards easily create reliable reports, charts, graphs and dashboards that can be tailored to specific users
- Schedule automatic report output to the screen, printed or by email
- Utilize EPA and state report templates: SWTR, DBR, NPDES, DMR, eDMR, MOR, SDWA, CCR, industrial pretreatment compliance, and more
- Configure standard reports with a few keystrokes
- Develop ad-hoc reports in minutes

**Wastewater Example:**

1. Click NPDES DMR Report below to preview the report. WIMS summarizes all the required data from the database and pulls it into the report.

[NPDES DMR Report](#)  
[Review Data](#)  
[See Report Templates](#)

**Drinking Water Example:**

1. Click the Distribution Monitoring Report button to preview the report. WIMS summarizes your results and puts them on your report.

[Distribution Monitoring Report](#)  
[Review Data](#)

**Design New Reports:**

1. Quickly design reports with the report wizard. Click Design Reports and go to File, Wizard and follow the steps to a create a new report.

[Design Reports](#)

## NPDES DMR Report

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)		NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)						COMPLIANCE STATUS	
Name Rocky Creek WWTP		NM0057493 (2-16) PERMIT NUMBER			001 A (17-19) DISCHARGE NUMBER				
Address Rocky Creek, Village of 4020 Peggy Rd SE Rio Rancho NM 87124		MONITORING PERIOD							
Facility Rocky Creek Wastewater Treatment Plant		YEAR	MO	DAY	YEAR	MO	DAY		
Location 1234 Lois Lane		FROM	10	06	01	TO	10	06	30
Attn: Clark Kent			(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)
PARAMETER (32-37)		QUANTITY OR LOADING (5+6)			UNITS	QUALITY OR CONCENTRATION (4+5)			
		AVERAGE (4+5)	MAXIMUM (5+6)			MINIMUM (3+4)	AVERAGE (4+5)		
BOD, 5-DAY (20 DEG. C) 00310 1 0 0 RAW SEW/INFLUENT	SAMPLE MEASUREMENT	*****	*****		****	208	*****		
	PERMIT REQUIREMENT	*****	*****		****	REPORT DAILY MN	*****		
BOD, 5-DAY (20 DEG. C) 00310 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	596	1,648	(26)		*****	23		
	PERMIT REQUIREMENT	REPORT 30DA AVG	REPORT DAILY MX		LBS/DAY	*****	30.00	30DA AVG	
PH	SAMPLE MEASUREMENT	*****	*****		****		*****		
	PERMIT REQUIREMENT	*****	*****		****	6.0	*****	DAILY MN	
SOLIDS, TOTAL SUSPENDED 00650 1 0 0	SAMPLE MEASUREMENT	*****	*****		****	*****	208		
	PERMIT REQUIREMENT	*****	*****		****	*****	*****	REPORT	

## Spread Report Templates by state

1. In the Contents tab, find your state and select the type of report you want.
2. Click Preview to see what the report looks like.
3. Click on the report and download to your templates folder.


The screenshot displays the Hach WIMS v7.0.9 web interface. The left sidebar shows a tree view of report templates organized by state and type (e.g., Drinking Water, Wastewater). The main content area shows a list of report templates with preview links. Three red callout boxes provide instructions:

- 1. Click on your state, water or wastewater to see the report templates for your regulatory reports** (points to the left sidebar)
- 2. Click preview and see what the report looks like** (points to a 'Preview' link)
- 3. Click on the report and download to your templates folder.** (points to a report title)

The main content area shows the following report templates:

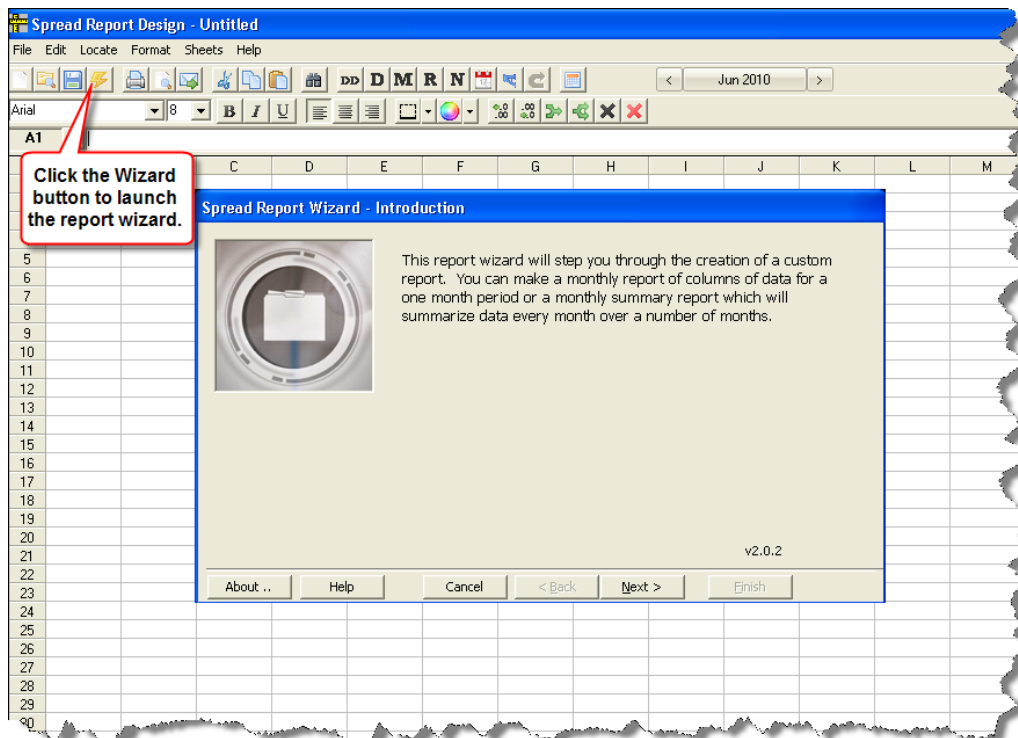
- [AK\\_DW\\_INDIVIDUAL\\_FILTER\\_EFFLUENT\\_MONITORING.ss3](#) : Preview  
INDIVIDUAL WATER EFFLUENT MONITORING  
Author: SPD 8/17/2005
- [AK\\_DW\\_MICROBIOLOGICAL\\_PRODUCTS\\_RULE.ss3](#) : Preview  
North Carolina Microbiological Products Rule  
Author: SPD 01/22/2002
- [AK\\_DW\\_TURBIDITY\\_AND\\_DISINFECTION.ss3](#) : Preview  
TURBIDITY AND DISINFECTION PERFORMANCE CRITERIA FOR FILTERED SYSTEMS  
Author: SPD 08/17/2005
- [AK\\_DW\\_TURBIDITY\\_AND\\_DISINFECTION.ss3](#) : Preview  
TURBIDITY AND DISINFECTION PERFORMANCE CRITERIA FOR FILTERED SYSTEMS  
Author: SPD 01/22/2002
- [AK\\_DW\\_WATER\\_ANALYSIS.ss3](#) : Preview  
Drinking Water Analysis Report for Chlorine Residual, Turbidity, & Fluoride  
Author: SPD 01/22/2002
- [AK\\_DW\\_WATER\\_ANALYSIS\\_CL2\\_RESID\\_TURB\\_AND\\_FLOURIDE.ss3](#) : Preview  
Drinking Water Analysis Report for Chlorine Residual, Turbidity, & Fluoride  
Author: SPD 01/22/2002

## Distribution Monitoring Report

			<b>Surface Water System Monthly Operation Report</b> <b>Distribution System Disinfectant Residual Data</b> <b>Bureau of Water</b>				
System Name:		<b>Sandy Beach</b>	System Number:		<b>SC34234</b>	For (Month/Yr):	<b>Jun '10</b>
Certified Lab ID#		<b>SC4354235</b>	Lab # for lab conducting HPC analyses:				
Day	No. of Sites Disinfect. Residual was Measured	No. of Sites Disinfect. Residual NOT Measured, but HPC Measured	No. of Sites where Disinfect. Residual NOT Detected & HPC NOT Measured	No. of Sites where Disinfectant Residual was NOT Detected and HPC > 500/ml	No. of Sites Disinfect. Residual NOT Measured and HPC > 500/ml	Average Disinfectant Residual (mg/L)	
1	17	0	0	0	0	2.09	
2	18	0	0	0	0	1.66	
3	0	0	0	0	0		
4	0	0	0	0	0		
5	0	0	0	0	0		
6	0	0	0	0	0		
7	0	0	0	0	0		
8	16	0	0	0	0	1.78	
9	0	0	0	0	0		

## Design Reports

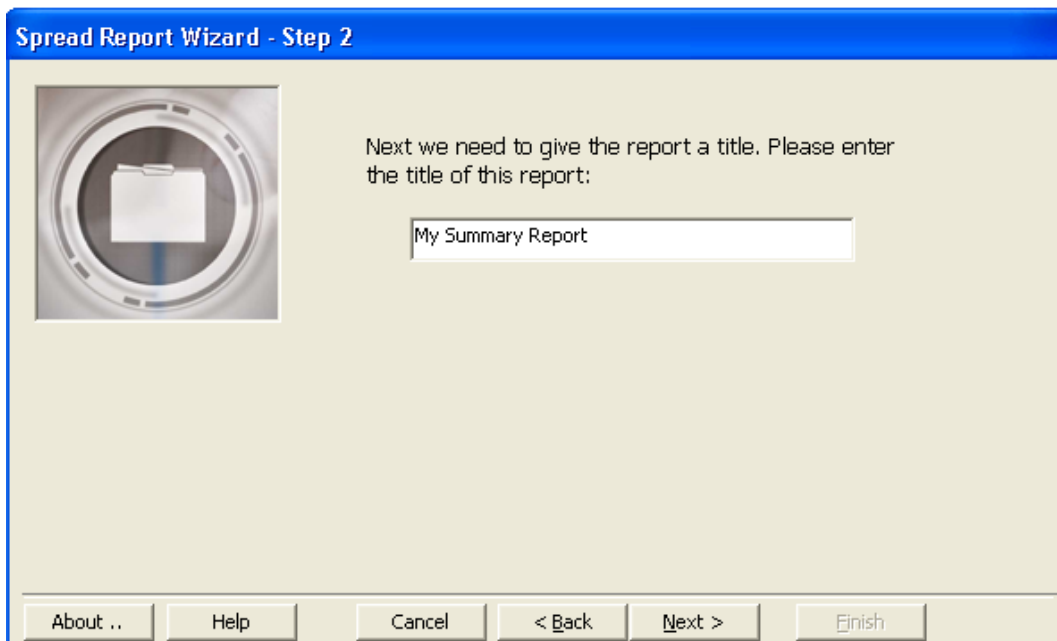
To quickly and easily create a report, click on the **Wizard** button to launch the Report Wizard. The Wizard introduction form will appear. When you are finished reading about the Wizard, click the **Next** button.



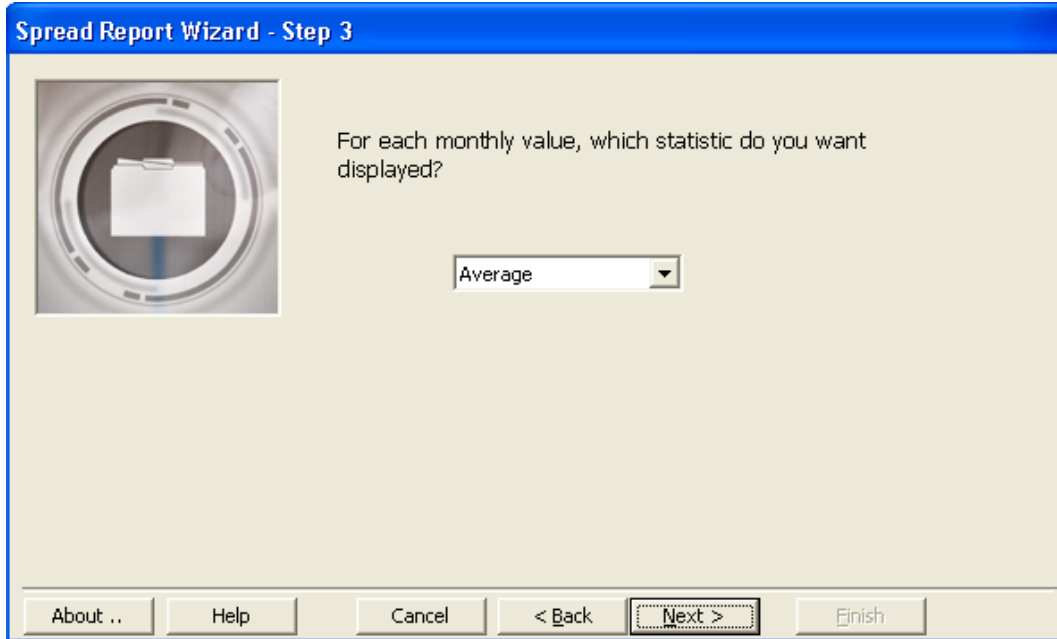
Select Summary from the list of report types and click Next.



Now enter a name for your report – My Summary Report. Click Next.



Next select the data that will represent each month. For this report, choose the monthly Average. Click Next.




Spread Report Wizard - Step 3

For each monthly value, which statistic do you want displayed?

Average

About .. Help Cancel < Back Next > Finish

On the next screen, select the number of months to display in this report. Choose 12 months. Click Next.



Spread Report Wizard - Step 4

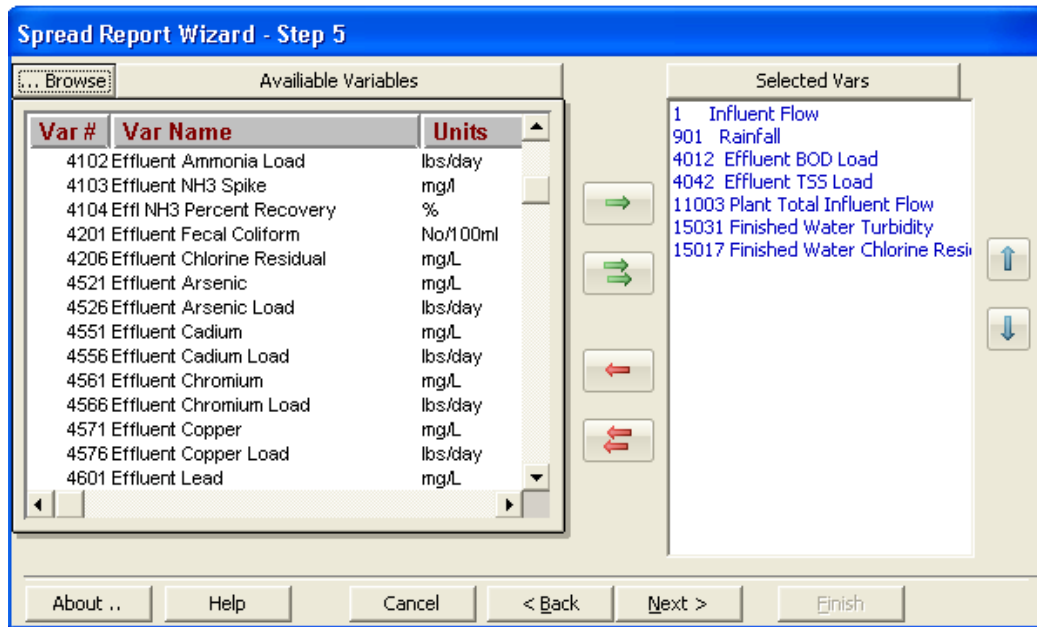
How many Months will you be summarizing?

12

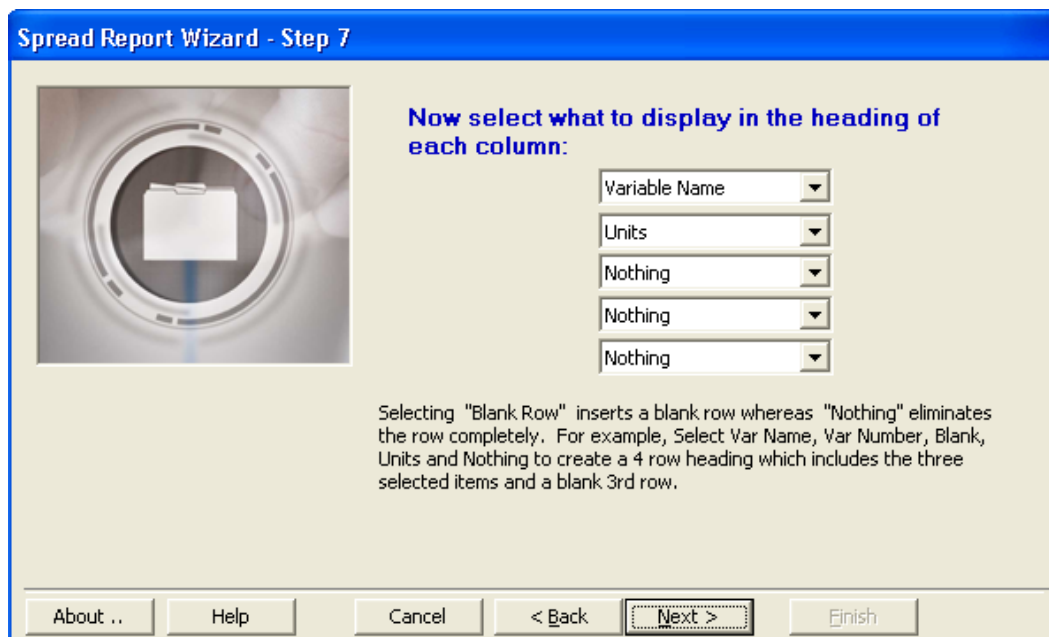
About .. Help Cancel < Back Next > Finish

Select the variables:

- Click on variable 1 (V1) Influent Flow
- Press and hold the [Ctrl] and click on V901, V4012, V4042, V11003, V15031, V15017.
- Click on the right single arrow to move these variables to the Selected Vars list. Click Next.
- OR you can double click on each variable to move it to the Selected Vars column.

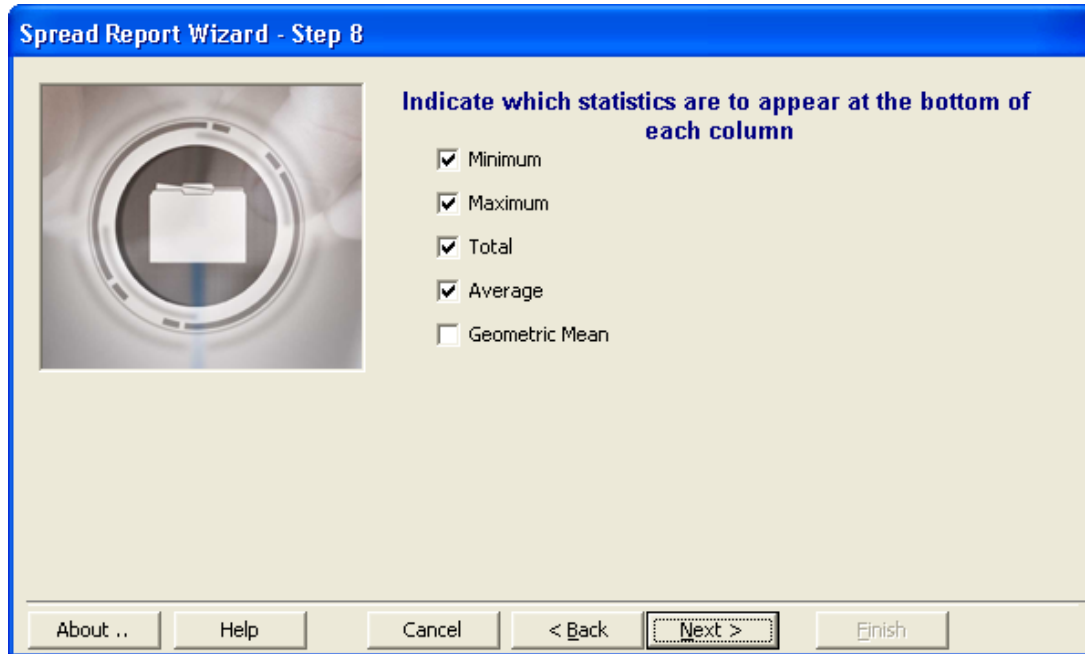


Next, select the column headings you want to appear in the report. Select **Variable Name** and **Units** as displayed in the figure below. Click **Next**.

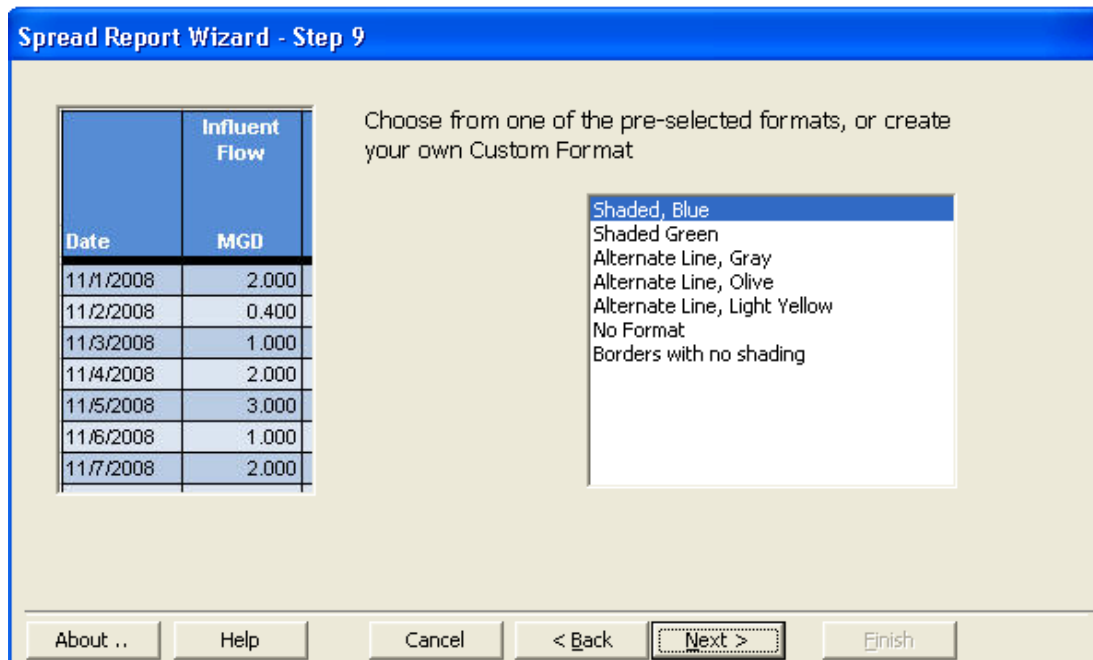




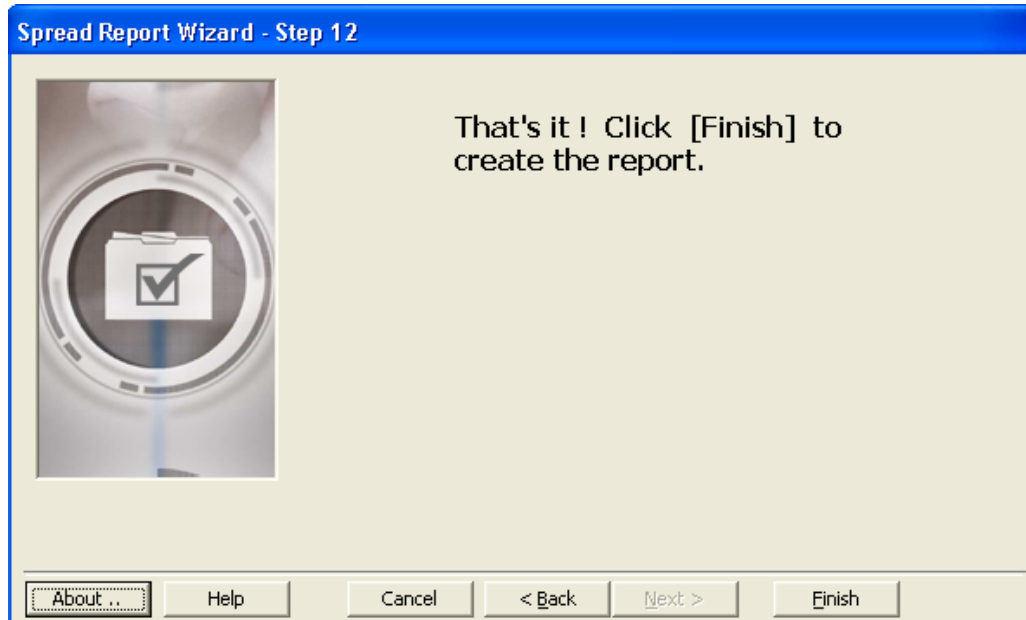
Now select the summary statistics you want in the report. In this report, select all except the geometric mean. Click Next.



Choose the style/format from the options available. To preview a format, simply click on it and an example will be shown on the left. Click Next.



The report is complete. Click **Finish** to create the report. You may now customize the report as you wish.



Your finished report!

Spread Report Design - Untitled

File Edit Locate Format Sheets Help

Arial 8 B I U

C8 =GAVG(1,1,"M")

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**My Summary Report**

	Influent Flow	Rainfall	Effluent BOD Load	Effluent TSS Load	Plant Total Influent Flow	Finished Water Turbidity	Finished Water Chlorine Residual
Month	MGD	Inch	lbs/day	lbs/day	MGD	HTU	mg/L
Jun 2010	3.062	0.23	596	612	41.99	0.08	1.72
Jul 2010	3.055	0.22	636	608	38.92	0.09	1.48
Aug 2010	3.026	0.22				0.08	
Sep 2010	3.578	0.20				0.08	
Oct 2010	6.952	0.07	1,740	1,141		0.09	
Nov 2010	8.900	0.26	1,671	1,955			
Dec 2010	13.077	0.12	3,638	3,959			
Jan 2011							
Feb 2011							
Mar 2011							
Apr 2011							
May 2011							
Minimum	3.026	0.07	596	608	38.92	0.08	1.48
Maximum	13.077	0.26	3,638	3,959	41.99	0.09	1.72
Total	41.649	1.32	8,281	8,275	80.91	0.43	3.19
Average	5.950	0.19	1,656	1,655	40.46	0.09	1.60