

WIMS NATIONAL USER CONFERENCE

WHAT'S NEW WITH HACH WIMS

KEVIN KOSHKO | SCOTT DORNER AQUATIC INFORMATICS | AUGUST 2024





TODAY'S AGENDA

- Product Team Introductions
- WIMS Rebranding Update
- WIMS New Features
- New Feature Demos

MEET YOUR WIMS PRODUCT TEAM



SCOTT DORNER

Senior Product Owner, WIMS Platform AQUATIC INFORMATICS



KEVIN KOSHKO

Product Manager, WIMS Platform AQUATIC INFORMATICS



PRODUCT OWNER ROLES & RESPONSIBILITIES



SCOTT DORNER

Senior Product Owner, WIMS Platform AQUATIC INFORMATICS

- Technical Product Expert
- 2. Creates Requirements & Specs
- 3. Dev team Communication



PRODUCT MANAGER ROLES & RESPONSIBILITIES



KEVIN KOSHKO

Product Manager, WIMS Platform AQUATIC INFORMATICS

- 1. Product Priority & Roadmap
- 2. Define Commercial Initiatives
- 3. Customer Communications



HACH WIMS PLATFORM 2024





WIMS PLATFORM

WIMS = Water Information Management System

Today's WIMS Desktop/Online* =



Today's Rio & Mobile =



WIMS PLATFORM COMMERCIAL OFFERINGS 2024



Power Users



WIMS Classic

- Comprehensive analytics and reporting for power users, data pros
- Highly customizable interface
- Advanced trigger reports
 - Options for on-premise or WIMS Private Cloud

Included Products:



Recommended



WIMS Rio

- Essential operations and compliance tools for any organization
- Simple to use, short learning curve
- Standardized dashboards & reports
- Event and notification tracking with detailed audit trails

Included Products:



Enterprise



WIMS Premier

- The best components of WIMS built for leading organizations
- Deploy web and mobile apps to any user
- Power users have access to deep functionality
- Options for on-premise or WIMS
 Private Cloud

Included Products:



WIMS RIO



WIMS CLASSIC



NEW FEATURES



WIMS Classic Versions

8.2.2

- Execute SQL
- Prep Batch added to LabCal

8.2.4

- New Ribbon Menu
- Line Graph Improvements
- Locate Saved Line and Year over Year graphs to Dashboards
- CDE Calc Var Limit Notifications
- Comp Eng Reg limit rounding

8.2.6

- Bar Graph
- New MDL Rule for GFIRSTZ, GLASTZ, GAVGZ, GMINZ, GMAXZ allows you to report on detected results. Consumer Confidence Report requirement
- New Spread Equation Editor.

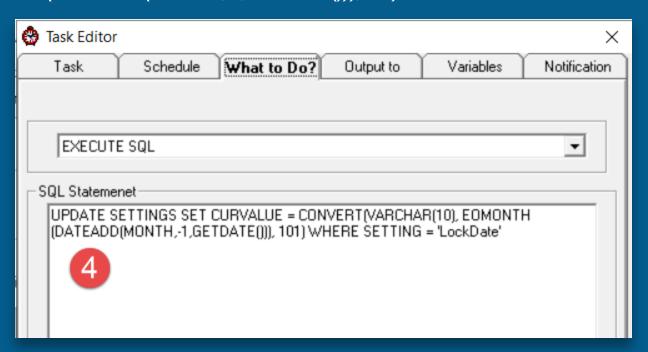
8.2.8

- Report Design New Ribbon Menu
- Locate Variable Info multi var/fields
- Estimated Tanks Usage Functions

8.2.2 Scheduled Tasks - Execute SQL



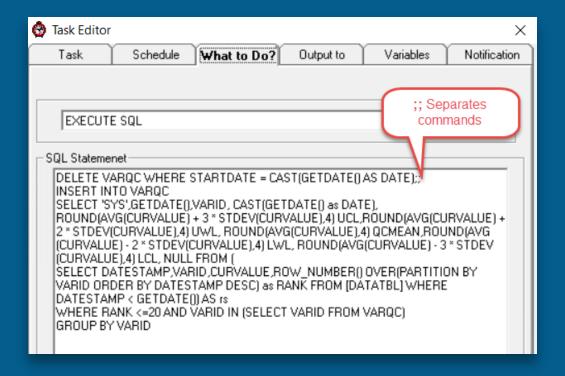
 Schedule an SQL Query to perform db maintenance *UPDATE SETTINGS SET CURVALUE = CONVERT(VARCHAR(10), EOMONTH(DATEADD(MONTH,-1,GETDATE())), 101) WHERE SETTING = 'LockDate'*



8.2.2 Execute SQL QC Limits



• Update QC Limits - See https://www.opssys.com/InstantKB/Article.aspx?id=14750



8.2.4 Ribbon Office Style Menu



Opt-in using User Setup

General

Edit User

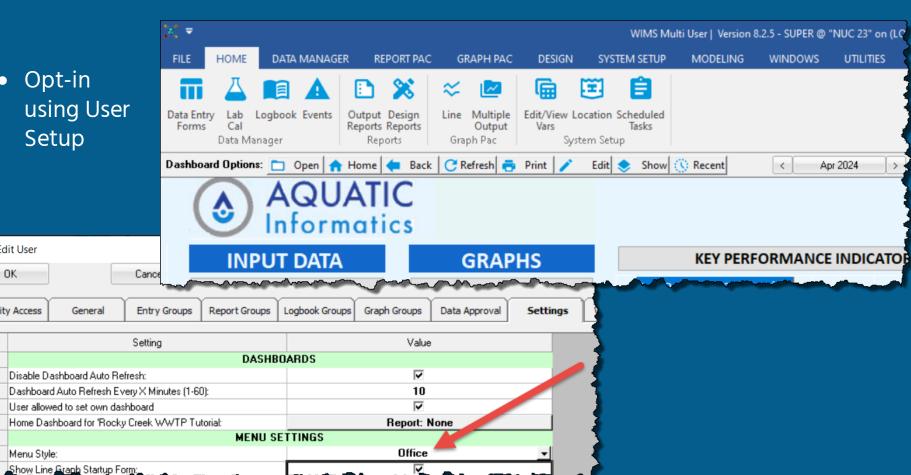
OK

Facility Access

1

6

Menu Style:



Line (Multi variable Analysis) Graph Improvements



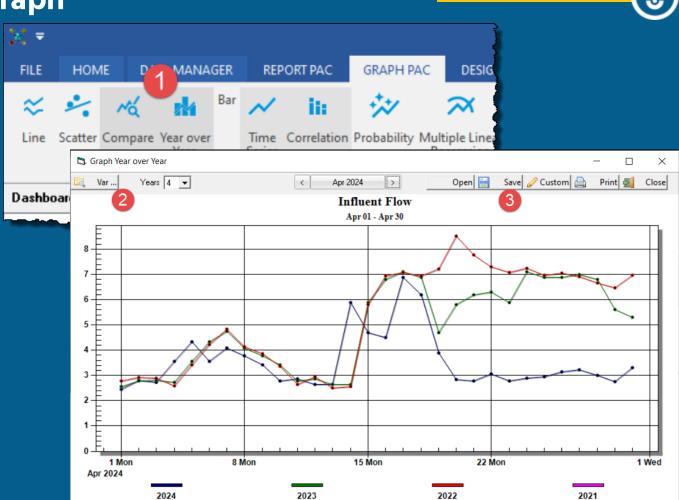
- 1. Plot moving averages, monthly...
- 1. Options to show limit lines



Year over Year Graph

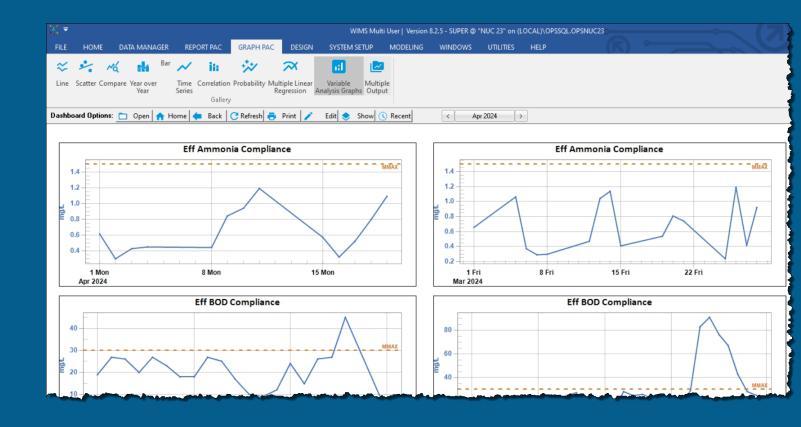
(

- 1. Available from menu.
- 2. Change Vars
- 3. Save graph to place on dashboard



Dashboard - Line and Year over Year Graphs

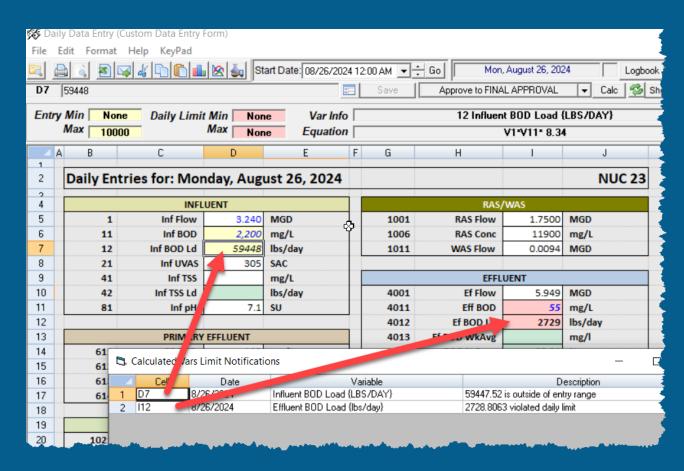




CDE Calc Var Limit Notifications



 After Calc popup shows any calculated values that are outside to the reg/entry limits



Compliance Engine Rounding Rule



• Set in Facility Setup, Settings Tab

No Rounding: The value is not rounded.

Variable: The value is rounded to the decimal place setting for the variable. If the variable decimal place setting for the variable is set to 'Not Fixed' no rounding will occur.

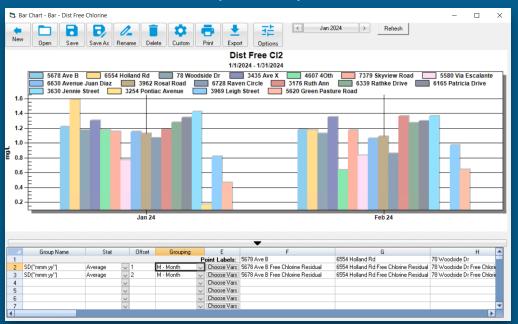
Limit: The value is rounded to the number of decimal places that the limit is entered to in Regulatory Limits. Example: Limit is entered at 8.5, the value will be rounded to 1 decimal. NOTE: Zeros are used, example limit is entered as 8.0 will be rounded to 1 decimal place, entered at 8 will be rounded to zero decimal places.

Note: Rounding is scientific.

Limit	Value	No Rounding	Variable	Limit
	Comp Eng Calcs Monthly average of 84.9837	Violation (84.9837 is less than 85.0)	No Violation (85 is not less than 85.0). Var's Decimal Place = 0	No Violation (84.9837 to 1 decimal is 85.0 which is not less that 85.0)
	Comp Eng Calcs Monthly average of 84.9211	Violation (84.9211 is less than 85.0)	No Violation (85 is not less than 85.0). Var's Decimal Place = 0	Violation (84.9211 to 1 decimal is 84.9 which is less that 85.0)
>8.5 Daily value			Violation (8.6 is greater than 8.5) Var's Decimal Place = 1	Violation (8.6 is greater than 8.5) Limit entered to 1 Decimal Place
>8.5 Daily value		Violation (8.513 is greater than 8.5)		No Violation (8.5 is not greater that 8.5), Limit entered to 1 decimal place.

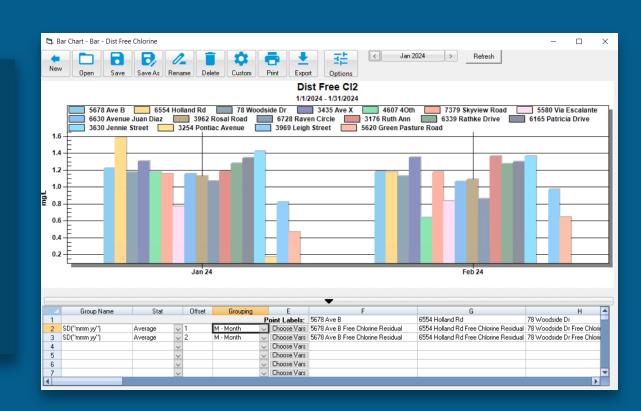


- Bar Graph
- New MDL Rule for GFIRSTZ, GLASTZ, GAVGZ, GMINZ, GMAXZ allows you to report on detected results. Consumer Confidence Report requirement
- New Spread Equation Editor.
- CDE Locate Button added



Bar Graph

- Show 1 parameter at different locations (point labels should be locations)
- Show multiple variables at different locations for 1 point in time (point labels should be Variable Name)
- Use Stacked Bar to show parts of totals (flows/costs)



8.2.6 New Spread Equation Editor

Autocheck

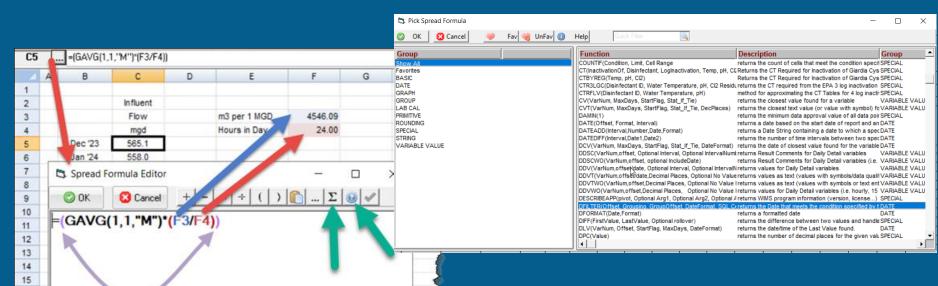
16

17

Formula Length: 1023 Chars: 24

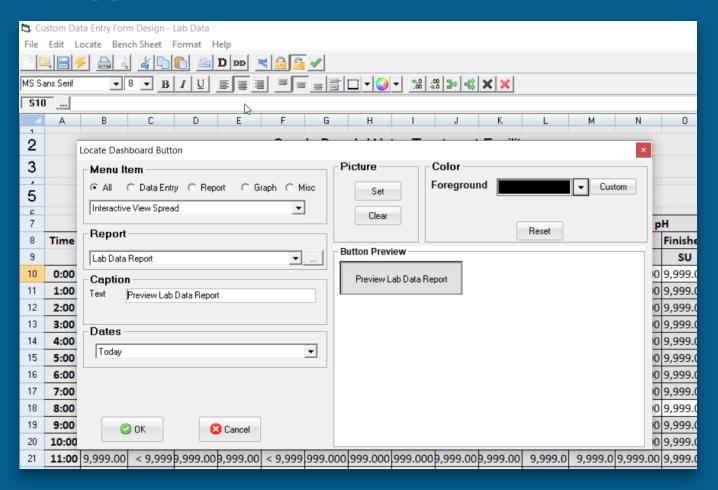


Use Σ button to choose from available functions. Use ? to get help on currently highlighted function.



8.2.6 CDE supports buttons

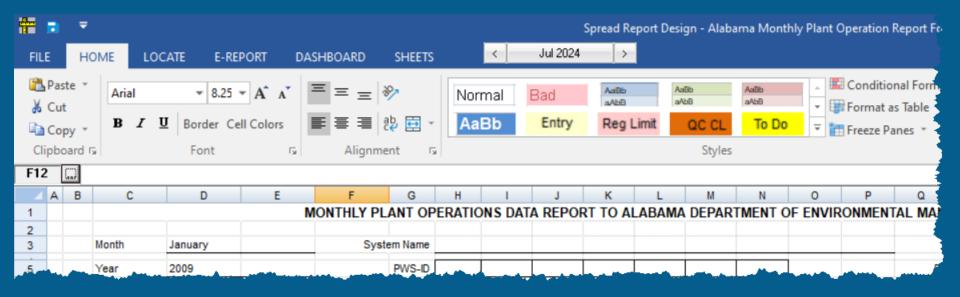




8.2.8 Report Design New Ribbon Menu

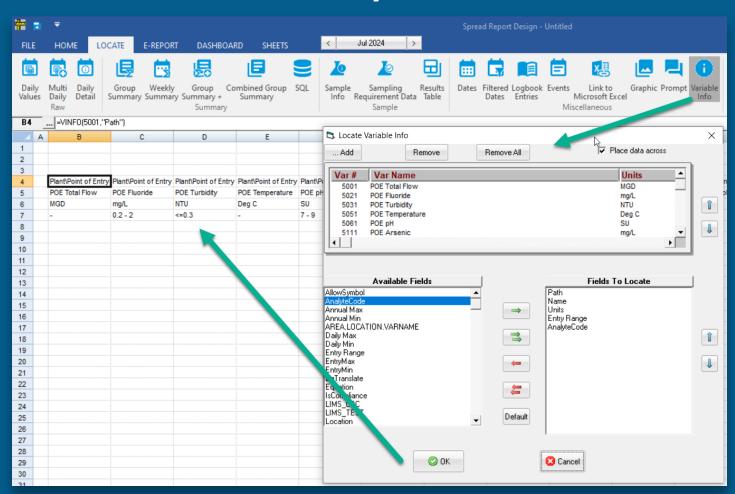


Use Styles to add Conditional Format based on Entry, Reg, or QC limits



8.2.8 Locate Var Info Multi Var/Fields





8.2.8 Estimated Tank Usage Functions

ETUN(Cx,Y), ETUP(Cx,Y)

On days of tank refill "Estimates" the usage using the last Y days
V841=ETUN(C840,7)

		Plant\Chemical	
	Daily Com	Ferric Chloride Tank Level	Ferric Chloride Usage
		840	841
		gallons	gallons
1 Mon		951.2	77.5
2 Tue		873.7	55.5
3 Wed		818.2	74.3
4 Thu		743.9	64.7
5 Fri		679.2	81.4
6 Sat		597.8	52.0
7 Sun		545.8	92.1
8 Mon		453.7	95.0
9 Tue		358.7	51.9
10 Wed		306.8	87.6
11 Thu		219.2	75.0
12 Fri		975.0	90.8
13 Sat		884.2	92.8
14 Sun		791.4	77.0
15 Mon		714.4	65.2
16 Tue		649.2	54.8
17 Wed		594.4	67.9
18 Thu		526.5	82.8
19 Fri		443.7	70.5
20 Sat		373.2	61.5
21 Sun		311.7	59.0
22 Mon		252.7	57.4

Little things you should know about

- New MDL Rule for GFIRSTZ, GLASTZ, GAVGZ, GMINZ, GMAXZ allows you to report on detected results. Consumer Confidence Report requirement
- New Spread Functions: RINFO, FORMULATEXT, GPROB, SDI
- New Math toolbox Functions: GetLimit, RoundUp,ETUN, ETUP
- Global Notification Lists
- Events Set Status of multiple events (right click menu)



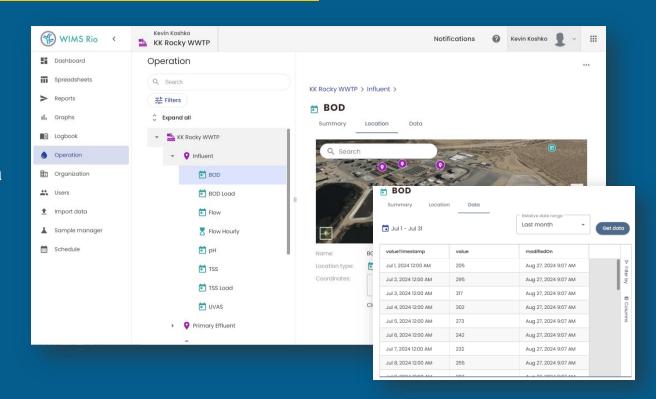
NEW FEATURES



WIMS RIO IN 2023

2023.3

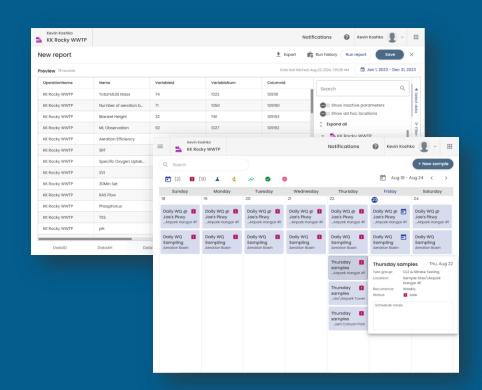
- Operations View
 - Visualize locations and parameters in a hierarchy
 - Get latest data
 without needing to
 find in Spreadsheet



WIMS RIO IN 2023

2023.4

- Dashboards and graphs support multioperation
- Sample Manager Released
- BOD Calcs added
- Reporting Studio Preview/Edit Mode
- WIMS-Rio Sync (WIMS Premier)



WIMS RIO IN 2024

2024.1

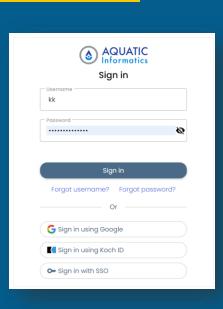
- Tank Usage Functions added (TULP, ATUFN...), ADIF, ADFN, MSD...
- User Setup in one place
- Copy Report added

2024.2

SSO - Google

2024.3

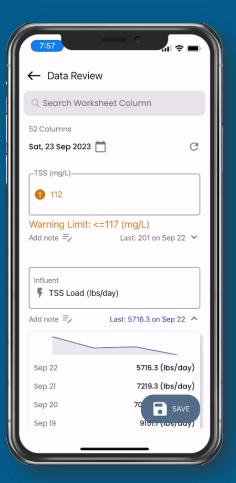
- Dashboard view on phone screens
- Rio.Query
- SSO OKTA and Koch ID





WIMS RIO MOBILE APP

- Refresh Data
- 2. Last Value now shown on data entry screen
- 3. Check Sheet Submission
- 4. Logbooks
- 5. Auto Geo-tagging
- 6. Improved Keypad Input
- 7. Limit and warning values displayed to users



THANKS!

ANY QUESTIONS OR COMMENTS?



