

## WIMS NATIONAL USER CONFERENCE

### Visualizing your Data in the Cloud

Scott Dorner | Kevin Koshko AQUATIC INFORMATICS | Aug 29<sup>th</sup>, 11:30-12:30





#### **TODAY'S AGENDA**

- WIMS Rio New Features
- Designing Graphs
- Dashboards
- Reports
- Q&A



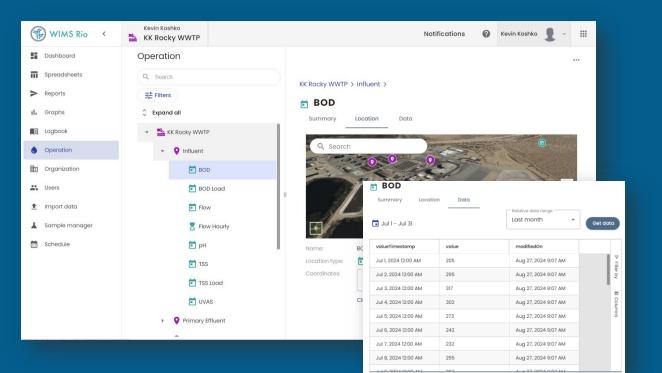
#### NEW FEATURES



#### 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)

Kevin Koshko							Notific	atior	ns 🕜	Kevin	Koshko	<b>1</b> -	
New report						± 1	Export	Run hi	story Run	report		Save	×
Preview 78 records Data balt Mechad Aug 23, 2024 73628 AM C Jun 1, 2023 - Dec 31, 2023													
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KK Rocky WWTP	Total MLSS Mass	74		1022		109191	Search				~	4 Select	
KK Rocky WWTP	Number of aeration b	71		1050	109190		-	Show inactive parameters					
KK Rocky WWTP	Blanket Height	32		1151 109193		109193		- Snow du hoc locations					
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KK Rocky WWTP	Aeration Efficiency		Kevin Ko	shko				*	KK Rock				
KK Rocky WWTP	SRT	=	💺 KK Roc	ky WWTP					Notificatio	ns	0	Kevin Kos	hko 📱 ~ 🏢
KK Rocky WWTP	Specific Oxygen Uptak	Q	Search										+ New sample
KK Rocky WWTP	SVI		1 (2) 💼 (1	3) 👗 👌							Ē	Aug 18 -	- Aug 24 < >
KK Rocky WWTP	30Min Set	Ē	-		~ •		•						
KK Rocky WWTP	RAS Flow	18	Sunday	Monday 19	Tuesd 20	lay	Wednesda 21	ıy	Thursde 22	вy	e3	riday	Saturday 24
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KK Rocky WWTP	рН							_					
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									Thursday samples sert Canyo	n Park			

#### **WIMS RIO IN 2024**

#### 2024.1

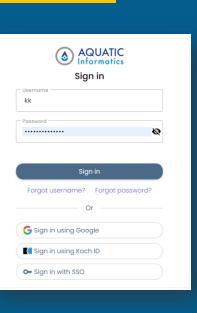
- Tank Usage Functions added (TULP, ATUFN...), ADIF, ADFN, MSD...
- Copy Report added

#### 2024.2

• SSO - Google

#### 2024.3

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





#### WIMS RIO MOBILE APP

- 1. 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

7:57	
← Data Review	,
Q Search Worksh	neet Column
52 Columns	
Sat, 23 Sep 2023 📋	
TSS (mg/L)	-
112	
Warning Limit: <= Add note ≡ <sub>ℓ</sub>	= <b>117 (mg/L)</b> Last: 201 on Sep 22 ♪
Influent F TSS Load (lbs)	/day)
Add note =	Last: 5716.3 on Sep 22 🖌
Sep 22	5716.3 (Ibs/day)
Sep 21	7219.3 (Ibs/day)
	70 🗖
Sep 20	SAVE

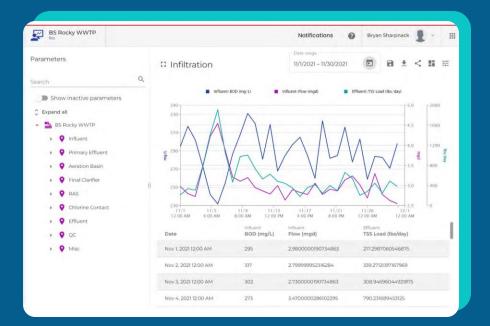


#### VISUALIZATION TOOLS WALKTHROUGH



#### **WIMS Rio Graphing and Trending**







#### **WIMS Rio Interactive Dashboards**





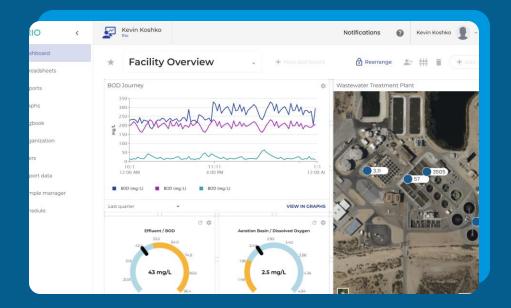
## Cloud-based access on any device, anytime

High-performance, fastloading data "widgets"

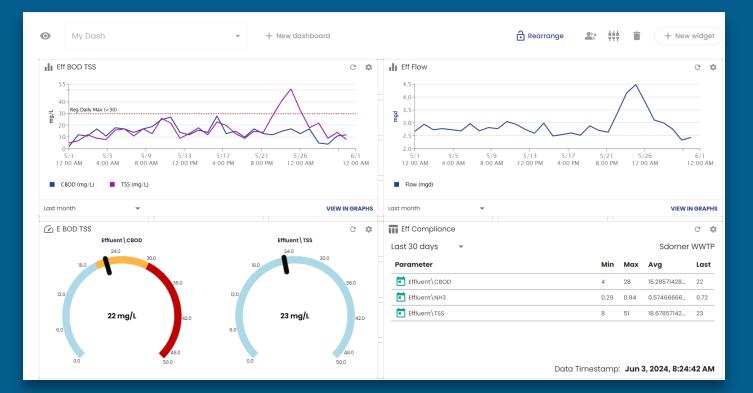


2

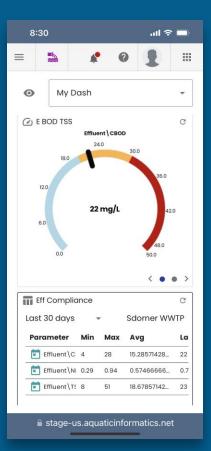
Share WIMS insights with more users in the org

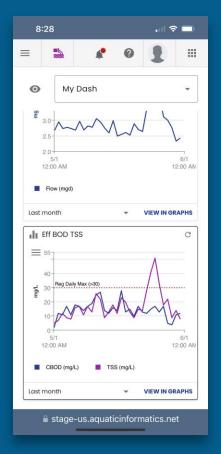


#### WIMS Rio Dashboard Demo



#### WIMS Rio Dashboard Demo - Mobile





#### WIMS Rio Reporting Studio





Interactive mode to view data and reports on the fly



Easily filter, hide columns, and save and archive reports

3

Export to standard formats as well as the Rio Excel Add-in

Kevin Koshko KK Rocky WWTP				Not	tifications 👔 Kevin Koshko 👤 -		
ew report				🛓 Export	Run history Run report Save		
view 79 records				Data last fetched:	Aug 23, 2024, 7:35:28 AM 🗍 Jan 1, 2023 - Dec 3		
DperationName	Name	VariableId	VariableNum	Columnid	Search O		
KK Rocky WWTP	Total MLSS Mass	74	1022	109191	Search C		
0K Rocky WWTP	Number of aeration b	71	1050	109190	Show inactive parameters     Show ad hoc locations     Expand all     KX Rocky WWTP		
KK Rocky WWTP	Blanket Height	32	1151	109193			
0K Rocky WWTP	ML Observation	92	1027	109192			
K Rocky WWTP	Aeration Efficiency	33	1171	109189			
KK Rocky WWTP	SRT	29	1095	109186	Influent		
K Rocky WWTP	Specific Oxygen Uptak	28	1093	109185	<ul> <li>Primary Effluent</li> </ul>		
0K Rocky WWTP	SVI	31	1103	109188	Aeration Basin		
0K Rocky WWTP	30Min Set	30	1101	109187			
0K Rocky WWTP	RAS Flow	17	1001	109194	<ul> <li>Final Clarifier</li> </ul>		
KK Rocky WWTP	Phosphorus	43	4061	109206	RAS		
K Rocky WWTP	TSS	40	4041	109203	<ul> <li>Ochlorine Contact</li> </ul>		
K Rocky WWTP	рн	45	4081	109208	Get date		
DatalD	Data4H Da	talH Data15M	Parameters	Limits	ReportDef ReportFiel		

#### WIMS Rio Excel Add-In

	Plant Goals	Keep your eyes on your goals and achieve better results.					
	BOD mg/L	TSS mg/L	Ammonia <sub>mg/L</sub>	BOD Removed per KWH Ibs/KWH			
Starting number	15	15	1.5	3.0			
Current number	11	9	0.70	1.9			
Goal number	8	8	0.5	2.0			
Percentage of goal reached	57%	86%	80%	110%			
	BOD	TSS	Ammonia	Energy			
Percentage of g	joal reached						
83%							

## THANKS!

# ANY QUESTIONS OR COMMENTS?

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