WQX User Call
June 23, 2022

There were approximately 28 participants on the call.

Agenda:
1. WQX Project Status Report (10 mins)
   - WQX/WQXWeb performance/updates
   - New WQX training videos
   - WQX Tip of the month
   - WQX questions/comments
2. WQP Status Report (10 mins)
   - WQP General Status Report
   - WQP download profiles status
   - WQP questions/comments
3. Open Discussion
   - Other topics/questions

Notes:

1)   Welcome and review agenda (Adam G)

2)   Water Quality Exchange (WQX) Project Report (Adam G and Kevin C)

  i.   The Helpdesk support has been operating at normal status. Contact Us: weekday hours of 8am to 6pm EST. Email (wqx@epa.gov) Call [800-424-9067](tel:800-424-9067)

  ii. Following an Operating System patch EPA's www3 Archive web server was experiencing intermittent issue publish files for public access. This Data exchange with the Water Quality Portal Team has been interrupted beginning on May 27.
   - a.   The issue was identified as intermittent. Our IT center is working to resolve.
   - b.   This issue currently requires manual stewardship to an automated process.\
   - c.   A new ETL has been picked up today and should publish within 48 hours.

  iii. There is one **upcoming event**: WQX has a planned WQX Web Azure Cloud migration event on June 30, 2022. During this **event**, the WQX Web application will be deployed to a New cloud application server. SOME user impact expected: User may experience some impact as a reduction in processing performance compared to the current "on-premise" server environment. Application will inherit new network latency transferring data from Cloud application server to the database server (separate location).

  iv. On June 16, 2022, WQX migrated the PRODUCTION node's XML parse and load software to a new server. There was a temporary service disruption for the previous node software successfully migrated and deployed in the Node TEST environment on May 18, 2022.

  v.   New WQX Training Videos
   Intro to WQX: https://youtu.be/p5HQ_aClHOU
   Getting access to WQX: https://youtu.be/hNFHpdengWQ
   Searching for data in the WQP: https://youtu.be/cwLgPMu0ueI
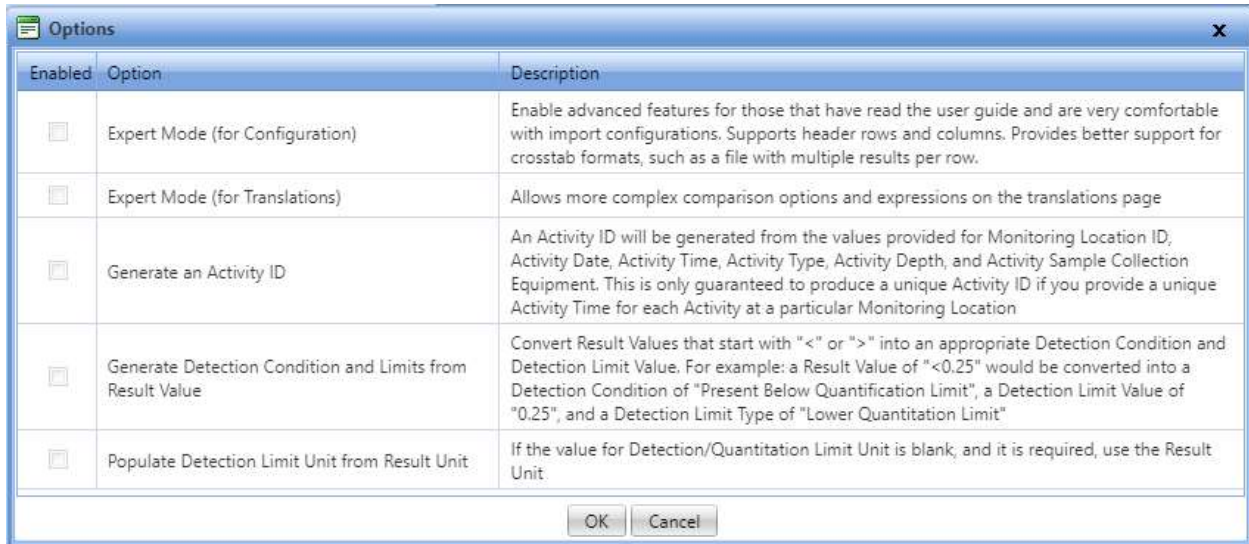
vi.   WQX Tip of the Month (Detection limits and Non-detects)

For any result where you did not collect an actual measured value, the Result Value field should be left blank. The appropriate Result Detection Condition should instead be selected from the domain list and one (or more) Result Detection Limit Types should be provided instead. As seen below, Result Detection Limit Types may be supplied whether or not a value was recorded, however at least one is required if a Result Detection Condition is provided.

Result Detection Condition	Result Value	Result Unit	Result Measure Qualifier	Result Sample Fraction	Result Analytical Method ID	Result Analytical Method Context	Analysis Start Date	Result Detection/ Quantitation Limit Type	Result Detection/ Quantitation Limit Measure	Result Detection/ Quantitation Limit Unit
Not Detected		mg/L	U		300	USEPA	2021-08-12	Method Detection Level	0.1260	mg/L
Not Detected		ug/L	U		200.7/3010	USEPA	2021-08-12	Method Detection Level	1.1900	ug/L
Not Detected		mg/L	U	Filtered, lab	365.1	USEPA	2021-08-25	Method Detection Level	0.0097	mg/L
Not Detected		mg/L	U	Filtered, lab	351.2	USEPA	2021-08-28	Method Detection Level	0.1840	mg/L
Not Detected		mg/L	U		2540D	APHA	2021-08-16	Method Detection Level	1.0000	mg/L
	22.7	mg/L			300	USEPA	2021-08-12	Method Detection Level	0.1260	mg/L
Not Detected		ug/L	U		200.7/3010	USEPA	2021-08-12	Method Detection Level	1.1900	ug/L
	0.0886	mg/L		Filtered, lab	365.1	USEPA	2021-08-25	Method Detection Level	0.0097	mg/L
	37	mg/L			310.2	USEPA	2021-08-14	Method Detection Level	2.4900	mg/L

Result Detection Conditions can also be automatically generated from "< 0.02" style data inside WQXWeb Import Configurations, under Options.

2) Water Quality Portal Update (Candace)

 i. The WQP is currently processing its most recent ETL picked up from WQX and should have updated data available in the WQP sometime later this afternoon (June 23,2022). The Portal typically (currently) takes about 46 hours to complete the parse and load of the WQX ETL.

 ii. Current development activities – WQP Developers are currently working on implementing the WQX schema 3.0 upgrades in their database and being able to serve those additional fields. The first effort is delivering the full Physical/Chemical Profile, which is one of the larger and more complex profiles. We have a first version of this profile available in DEV/STAGING and are starting to test the profile. Soon, we will deploy this to Production and announce to users to test the new profile, if they are interested.

3) Open Discussion/Questions

Question from Arne (CO): Will the Portal ETLS move back to a regular schedule?

Yes, ETLs from WQX are currently retrieved 2x a week on Wednesday and Saturday starting around 8:30 AM Central. Once started, the ETL takes about ~36 hours to complete.

Question from Mary B.: Regarding the WQXWeb server move. Will this affect the WQX Web Services as well?

Kevin: Yes. When we move to the cloud, services should move back to cdx.cloud.gov address. We will notify the user community to update addresses.

The next meeting will be held on July 28, 2022.

4) Adjournment

The meeting was adjourned at 12:23 PM.