

WQX User Call

August 25, 2022

There were approximately 30 participants on the call.

Agenda:

1. WQX Project Status Report (10 mins)
 - WQX/WQXWeb performance/updates
 - WQX Tip of the month - Attaching files.
 - 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. WQX Project Status Report (15 mins)

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).

Recent WQX development has focused on planned Oracle 19c upgrades and developers have successfully deployed to the Development area. We are ready and awaiting deployment to Staging (September 9th , 2022) at the EPA National Computer Center (NCC). Over the next month, developrs will be reconfiguring the WQX Web application to an Azure cloud environment and associated Oracle 19c upgrade in September 2022. Our focus will then return to development on WQXWeb performance tuning, slow XML generation, etc.

Retired Characteristics - WQX routinely retires Characteristics and Taxon names when they have been deprecated by SME or Stewards of the index. Exs: Substance Registry Service for chemicals, Integrated Taxonomic Information System (ITIS) for biological taxa.

The following Nutrient Characteristics have been recently retired (8/19/2022) in accordance with the 2017 Guidance: [Best Practices for Sharing Nutrient Data](#).

Characteristic	15609	Hydrolyzable phosphorus plus orthophosphate***retired***use Phosphorus, hydrolyzable plus orthophosphate
Characteristic	1420	Nitrogen-15/14 ratio ***retired*** use Nitrogen-15/Nitrogen-14 ratio
Characteristic	3715	Nitrogen Delta 15 ***retired*** use Nitrogen-15/Nitrogen-14 ratio
Characteristic	3691	Dissolved Inorganic Nitrogen/Total Phosphorus ratio
Characteristic	2267	Dissolved inorganic nitrogen/soluble reactive phosphorus ratio
Characteristic	4702	Nitrogen/Phosphorus molar ratio
Characteristic	2962	Phosphate-phosphorus ***retired*** use Total Phosphorus, mixed forms

Characteristic	1415	Inorganic nitrogen (nitrate and nitrite) ***retired***use Nitrate + Nitrite
Characteristic	4703	Inorganic nitrogen (ammonia, nitrate and nitrite)***retired***use Inorganic nitrogen (NO2, NO3, & NH3)
Characteristic	15585	Inorganic nitrogen (nitrate and nitrite and ammonia)***retired***use Inorganic nitrogen (NO2, NO3, & NH3)
Characteristic	15586	Inorganic nitrogen***retired***use Inorganic nitrogen (NO2, NO3, & NH3)

If you submit data with a retired Characteristic (Invalid Domain Value) you will receive an Error upon Import and will not be able to submit the data.

Dataset Details

Return Delete Export & Submit to CDX

Dataset Information:

Type: Results & Activities
 Import Configuration: [Template Physical/Chemical - Demo video](#)
 Organization ID: WQXTEST
 Status: **Import Failed**

Import Completed (with errors)

Step 1 of 3 completed.

The dataset has been imported, but there are errors that need to be resolved (step 2), and then the dataset needs to be submitted to CDX (step 3). If you submit to CDX before resolving all errors, then only the valid records will be included.

A dataset only becomes permanent after it has been submitted to CDX.

Import Event

Start Time: 07-24-2022 07:42:58 PM
 End Time: 07-24-2022 07:43:23 PM
 File Name: Physical Chemical Template - KGDEMO.xlsx
 Event Log: [View all validation errors and warnings](#)

Entity	Total	Valid	New	Existing
Activity	18	10	17	1
Result	56	48	56	0

Message Type	Total	Resolved	Event Log	Resolution
Domain Value Invalid	8	0	View Log	Resolve Online
Warning	1	1	View Log	Optional
Message	8	8	View Log	N/A

Documents:

Name
Import Log.xlsx
Physical Chemical Template - KGDEMO.xlsx

- Tip - You may click on Resolve Online and this will immediately take you to a Domain Value Resolution window that will edit your Import Configuration. There you may search for the correct Characteristic Name and create a translation for this value in your dataset, allowing you to keep your original Characteristic Name, while submitting the WQX harmonized version.

EPA

Home Page Setup Domain Values Import & Submit Review Administrator Help

Domain Value Resolution

Return Save Cancel

Show: Unresolved Rows

This is a list of values from your import file that do not match a valid domain value. To correct a value, click its link and select a valid value from the list. Then change the resolution for each row (as needed) and save your changes.

Count	Column	Element	Value	Resolution
8	P	Characteristic Name	Water Temperature	Add a translation to auto-correct future datasets

CHARACTERISTIC

Characteristic Name (contains):

Search Cancel

You may also edit your existing Import Configurations directly and add a Translation for the retired Characteristics Names.

The screenshot shows the EPA Translations application interface. The main window displays a search for 'Nitrate' in the CHARACTERISTIC window. The search results are shown in a table with the following columns: Name, CAS Number, SRS ID, Sample Fraction Required, Analytical Method Required, Method Speciation Required, Pick List, Group Name, and Domain Value Status.

Name	CAS Number	SRS ID	Sample Fraction Required	Analytical Method Required	Method Speciation Required	Pick List	Group Name	Domain Value Status
(none)								
2,2,4,4,5,5,6,6-Nonafluorohexyl nitrate	34839-44-6	1844206	N	N	N	N	PFAS,Perfluorinated Alkyl Substance	Accepted
Ammonium nitrate	6484-52-2	143297	Y	Y	Y	N	Nutrient	Accepted
Ethylene glycol dinitrate	628-96-6	64527	N	N	N	N	Not Assigned	Accepted
Inorganic nitrogen (ammonia, nitrate and nitrite)***retired***use Inorganic nitrogen (NO2, NO3, & NH3)			Y	Y	Y	N	Nutrient	Deprecated
Inorganic nitrogen (nitrate and nitrite and ammonia)***retired***use Inorganic nitrogen (NO2, NO3, & NH3)			N	N	N	N	Not Assigned	Deprecated
Inorganic nitrogen (nitrate and nitrite)***retired***use Nitrate + Nitrite		701177	Y	Y	Y	N	Nutrient	Deprecated
Molar ratio of nitrate (plus nitrite) and ortho-hydroxamate			N	N	N	N	Not Assigned	Accepted
N,N-Dibutyl(2-(perfluorotridecyl)ethanaminium nitrate	94817-82-0	1989815	N	N	N	N	PFAS,Perfluorinated Alkyl Substance	Accepted
Nitrate	14797-55-8	197186	Y	Y	Y	N	Nutrient	Accepted
Nitrate + Nitrite			Y	Y	Y	N	Nutrient	Accepted
Nitrate-reducing bacteria			N	N	N	N	Not Assigned	Accepted
Pentaerythritol tetranitrate	78-11-5	6882	N	N	N	N	Organics, Other	Accepted
Peroxyacetyl nitrate	2278-22-9		N	N	N	N	Not Assigned	Accepted
Potassium nitrate	7757-79-1	153312	Y	N	N	N	Not Assigned	Accepted
Streptomycin nitrate	3688-73-1	17124298	Y	N	N	N	Not Assigned	Accepted

2. WQP Status Report (10 mins)

The WQP Development team is changing. WQP Staff will be training a new development team, and as such, we will likely see some slowdown on development as the team comes up to speed. Once up and running, they will be continuing to develop the new data export profiles.

The WQP Team is also working on setting priorities for the new fiscal year, and EPA and USGS will be getting together in-person soon for a WQP strategy session.

DEMO - Adam demonstrated new monitoring location pages in How's My Waterway powered by the WQP csv services. New monitoring location pages feature full results level data from an individual monitoring location, complete with a time-series scatter chart, filters to control data of different types, and summary information.

3. Presentation (20 mins)

The Stanford RegLab presented their latest model developments to infer sources of observed pollutant spikes. (20 min)

4. Adjournment

The meeting was adjourned at 12:43 PM.

The next meeting will be September 22nd at 12:00 PM EST.