

EIM Help - Nutrient Speciation

Version 1.0 DRAFT

June 2024

We will add more information on nutrient speciation soon. For now, note our nutrient parameter name changes.

Nutrient Parameter Name Changes

Beginning June 3, 2024, **submit nutrient data using parameters that include speciation in the name**. We deactivated the nutrient parameter names that don't show speciation.

The new names have been available for a while, so you might already be using them.

Note: none of the new parameters have CAS registry numbers.

Make sure you check with your lab if they didn't report speciation, or you are unsure. We reached out to labs as part of this process, so most should be aware of the new requirement.

The table below shows a crosswalk between old and new parameter names.

Old Parameter Name	Speciation	New Parameter Name	New Parameter Synonym(s)	Notes
Ammonia	as N	Ammonia as N		
Ammonia	as NH3	Ammonia as NH3		
Ammonium	as N	Ammonium as N		
Ammonium	as NH4	Ammonium as NH4		
Nitrate	as N	Nitrate as N		
Nitrate	as NO3	Nitrate as NO3		
Nitrite	as N	Nitrite as N		
Nitrite	as NO2	Nitrite as NO2		
Nitrite-Nitrate	as N	Nitrate + Nitrite as N	Nitrate-Nitrite as N	
Nitrogen	as N	Total Nitrogen, mixed forms as N	Total Nitrogen (NH3 + Organic N + NO2 + NO3) as N	

Old Parameter Name	Speciation	New Parameter Name	New Parameter Synonym(s)	Notes
Nitrogen Compounds, Inorganic	as N	Inorganic Nitrogen (NO ₂ + NO ₃ + NH ₃) as N		
Organic Nitrogen	as N	Organic Nitrogen as N		
Ortho-Phosphate	as P	Orthophosphate as P		
Ortho-Phosphate	as PO ₄	Orthophosphate as PO ₄		
Ortho-Phosphorous as P	as P	Orthophosphate as P		
Phosphate	as P	Orthophosphate as P		
Phosphate as P	as P	Orthophosphate as P		
Phosphorus	as P	Total Phosphorus, mixed forms as P		
Total Kjeldahl Nitrogen	as N	Total Kjeldahl Nitrogen as N	TKN as N OR Total Kjeldahl Nitrogen (Organic N + NH ₃) as N	
Total Particulate Nitrogen	as N	Total Particulate Nitrogen, mixed forms as N		
Total Persulfate Nitrogen	as N	Total Nitrogen, mixed forms as N OR Total Persulfate Nitrogen as N	Total Persulfate Nitrogen (temporary)	Since this is non-standard reporting nationally, we plan to combine with “Total Nitrogen, mixed forms as N.” Include persulfate digestion in Sample Preparation Method. (e.g. 3005A or 3010A)
Total Persulfate Phosphorus	as P	Total Phosphorus, mixed forms as P		Include persulfate digestion in Sample Preparation Method. (e.g. 3005A or 3010A)
Total Phosphorus	as P	Total Phosphorus, mixed forms as P	Total Phosphorus (PO ₄ + Organic P) as P	

Old Parameter Name	Speciation	New Parameter Name	New Parameter Synonym(s)	Notes
Total Phosphorus	as PO4	Total Phosphorus mixed forms as PO4	Total Phosphorus (PO4 + Organic P) as PO4	

Document Revision History

Revision Date	Revision No.	Summary of Changes	Reviser(s)
6/6/2024	1.0	Original draft.	CN