Permitee Entry Template (PET) Tool
Version 3.0 Release Notes

Quick Notes:
- o **Recommended upgrade**
- o 22 New parameters
- o 15 New units
- o 3 New methods
- o 6 New data types
- o Updated Parameter → Unit mapping
- o New Parameter –> Method mapping
- o New Error and Warning messages

Lookup Codes Worksheet:

1.) **Added the following parameters:**

1	1,3-Dimethyl-2-nitrobenzene
2	4-methyl-2-pentanol
3	Azobenzene
4	Carfentrazone
5	Dibromodichloromethane
6	Fixed Dissolved Solids (FDS)
7	Fluridone
8	Imazapyr
9	Nitrobenzene-d5
10	Ozone Residual
11	Penoxsulam
12	Phenol-d5
13	Radium-226
14	Radium-228
15	Temp Diff b/n Intake and Discharge
16	Transparency, Secchi Disc
17	Triclopyr
18	UV Banks in Operation
19	UV Dose
20	UV Intensity
21	UV Power
22	UV Transmittance

2.) **Updated the following parameters to IUPAC names** (EDF codes remain the same)**:**

1	2-Methyl-4,6-Dinitrophenol		4,6-Dinitro-2-methylphenol
2	p-Cresol		4-Methylphenol
3	Methyl bromide		Bromomethane
4	cis-1,2-Dichloroethylene		cis-1,2-Dichloroethene
5	cis-1,3-Dichloropropylene		cis-1,3-Dichloropropene
6	Chlorodibromomethane		Dibromochloromethane
7	alpha-Endosulfan		Endosulfan I
8	beta-Endosulfan		Endosulfan II
9	Tetrachloroethylene		Tetrachloroethene
10	trans-1,2-Dichloroethylene		trans-1,2-Dichloroethene
11	trans-1,3-Dichloropropylene		trans-1,3-Dichloropropene
12	Trichloroethylene		Trichloroethene

3.) **Added the following Units:**

1	banks
2	Gallons per minute per lamp
3	gallons/minute
4	GPM/FT2
5	kg/month
6	kg/year
7	lbs/week
8	lbs/year
9	million fibers/L
10	mJ/cm2
11	mW/cm2
12	mWs/cm2
13	ng/g
14	PFU/100 mL
15	ug/Kg

4.) **Added the following Methods:**

1	Chlorinated Biphenyl Congeners in Multiple Matrices by HRGC/HRMS (E1668A)
2	Trace Elements in Water by Preconcentration and ICP-MS (E1640)
3	Trace Elements in Ambient Waters by ICP-MS (E1638)

5.) **Corrected an error in the description for the following Methods:**

1	Standard Method (19th) 2540 B: Total Solids Dried at 103-105C [A2540B]
2	Standard Method (19th) 2540 D: Tot. Sus. Solids Dried 103-105C
3	Standard Method (19th) 2540 E: Fixd/Volatile Solids Ignited

4	Standard Method (19th) 4500-F C: Flouride by Ion-Select. Electrode
5	Standard Method 4500-NH3 C: N (Ammonia) Titrimetric [A45001C]
6	Standard Method (20th) 4500-NO2 B: N (Nitrite) Colorimetric
7	Standard Method (19th) 4500-N(org) C: Semi-Micro-Kjeldahl Method
8	Standard Method (18th) 4500-NO3 F: Auto Cd Reduction
9	Standard Method (19th) 5310 C: TOC by Persulfate-UV Oxidation [A5310C]

6.)   **Removed the following Methods:**

1	Standard Method (19th) 5520 C: COD Closed Reflux, Titrimetric [A5520C]
2	Oregon State University, CaCO3 Soils Method [OSCACO3]

7.)   **Added the following Data Types:**

1	Annual Average of Daily Minimums
2	10% for 6 months
3	30-Day Geometric Mean
4	Monthly Average of Daily Minimums
5	Monthly 95%
6	Monthly Maximum

8.)   **Updated parameter-unit mapping**
More work has been performed to fine tune the Parameter / Unit mapping.

9.)   **New parameter-method mapping**
A list of Parameter / Method combinations has been generated from surveying all previous submittals. Some cleanup has been done to help remove incorrect methods.

VBA Coding:

1.)   **Able to delete row #2 on the Data Entry tab**

2.)   **Fixed the text file generated from the general tab and stored in zip folder.**

3.)   **New Error Messages / displays the number of instances found.**

Error Type 2: The Data Type, Collection Time, Qualifier or Result field is blank
The PET Tool will verify the data type, time, qualifier and result is not blank before creating a zip file. If an error is found the appropriate cell is hashed yellow and a dialog box appears prompting the user to enter in the required data. This will help validate records for those using copy-paste from in-house spreadsheets.

Error Type 3: The Collection and Analysis Date is greater than today's date
The PET Tool will verify the Collection and Analysis date is not greater than the day the CDF is generated.

Error Type 4: The Collection or Analysis Date is not a valid date
The PET Tool will verify the Collection and Analysis field is populated with a real date. For example 5/55/2012 will produce an error.

4.)   New Warning Messages / displays the number of instances found.

Warning Type 1: The Collection or Analysis Date is before the Reporting Period Start
The PET Tool will produce a warning if it finds a date too far in the Past. The Report Period Start Date (RPSD) field on the general tab must be valid to receive the most benefit of this function. If the RPSD is blank the Collection and Analysis dates will be flagged if greater than a year old.

Warning Type 2: The result is a zero and the qualifier is not ""ND""
The PET Tool will produce a warning if it finds a result of 0 that is not paired with a qualifier "ND". This will help prevent the submittal of data that was not sampled.

Warning Type 3: The entire row is similar to a previous row
The PET Tool will produce a warning if it finds identical records. This will help prevent the submittal of data that was not sampled.

5.)   Minor bug fixes

Changing the Qualifier from DNQ to ND if "?" are present in the ML or RL they are removed.

If you select the method or units for a row that does not have a Parameter selected the cell formatting is retained.