Point Source Data Submission Application Update for WWTWG

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Project goals & assumptions

Goals

- Streamline data reporting process and final progress run data preparation
- Reduce burden of data reporting/quality assurance on jurisdictions and PS data manager
- Improve data quality, data management process, and documentation

Assumptions

- Jurisdictions will use new tool to submit all final point source progress data to CBP
- New tool will use ICIS-NDPES as the initial source of all facility/point source data
- New tool will produce final point source progress data in required format for CBP model run
- Point source data manager will use the tool for reviewing jurisdictions submissions
- Final point source progress data will be maintained in a CBP-developed database

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Release history

2018 Progress
- Initial release
- Jurisdictions required to submit significant facilities using PS application

2019 Progress
- Jurisdictions required to submit significant **and insignificant** facilities using PS application
- Added capability to upload full dataset via spreadsheet
- Added capability to merge datasets

http://pointsource.chesapeakebay.net/Home/ReleaseNotes

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2020 Progress release

- Major features
  - Adding capability to use previous year's data (with caveats)
  - Updating range checks to better identify outliers

- Minor updates
  - Updating statistical base code priority
  - Moving all nutrient checks together
  - Adding fix for nutrient species
  - Changing TP > PO4 check to TP ≥ PO4
  - Updating spreadsheet upload to allow numeric values in comments field
  - Adding info button to other views
  - Changing wording: Stoichiometric check → **Species ratio check**

Major features

- Using previous year's data
  - Heavily requested feature
  - Need to ensure that DMR data are obtained first
  - Still identifying how this will work but will likely not be a standard "fix"

- Range check updates
  - Issue in 2019 with out of range values passing the check
  - Adding an additional range check to correct this
  - Jurisdictions to provide CBP with min/max values for the parameters for additional check to work properly

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Statistical Base Code	Description	Priority
MK	Monthly Average	1
WA	Weekly Average	2
DD	Daily Maximum	3
3C	30 Day Average	4
7A	7 Day Average	5
MP	Monthly Total	6
MS	Maximum Weekly Average	7
M2	Maximum Monthly Average	8
DB	Daily Average	9
3F	30 Day Arithmetic Mean	10
7G	7 Day Arithemtic Mean	11
IB	Instantaneous Minimum	12
ME	Minimum	13
BF	Cumulative Total	14
DC	Daily Minimum	15
MB	Maximum	16
MQ	Maximum Daily Average	17
AF	Average	18
3B	30 Day Arithmetic	19
AD	Annual Total	20
IA	Instantaneous Maximum	21
QA	Quarterly Average	22
QB	Quarterly Maximum	23
TB	Total	24
MY	Monthly Loading	25
RA	Rolling Average	26
AB	Annual Average	27
WC	Weekly Maximum	28
VA	Value	29
1D	12 Month Average	30
MN	Monthly Maximum	31
DE	Daily Average Minimum	32

Review and submit any additional change requests by 7/24

Any additional changes will be discussed at August WWTWG

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Additional potential enhancements

- Requests/feedback from jurisdictions
- Geographic attributes
  - Requires review of current lat/long information
- Flow split entry
  - Allow jurisdictions to enter/update flow split information annually
- Other point source data
  - Most jurisdictions default to prior year's data
  - Spreadsheet templates could easily be incorporated into application
- Agency codes
  - Requires information from jurisdictions

https://pointsource.chesapeakebay.net

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