

Wastewater Historical Data Clean Up

Possible Data Problems:

1) Some non-wastewater dischargers, such as stormwater or CAFO/AFO, were included in the non-significant plant dataset developed by Tetra Tech for phase 5 model. These non-wastewater dischargers were removed during the WIP2 development and used in the WIP and recent progress runs.



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Possible Data Problems:

- 2) Newly added plants for recent progress runs were not included in the early years.
- 3) The STARTING DATE and OFFLINED DATE of some facilities may not be correct, especially for nonsignificant plants, as listed on the Plant Info sheet (the first tag) of the excel file from Ning.



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Possible Data Problems:

4) Some default values/assumptions used in the past may need to be revised due to improved information and knowledge.

5) Default values might be used while DMR data were available in some cases.



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Recommended Options:

- Level 1: Incorporating the refinements and recent updates into the older years for non-significant plants - minimum level;
- Level 2: Level 1 + Revisiting the default values used for both significant and non-significant plants;
- Level 3: Level 2+ Replacing the default values with DMR data where defaults were used in the past while there were DMR data available.



Biosolid and Spray Irrigation Data

- Incompleted Biosolid data on ICIS for all jurisdictions
 - only poundage data,
 - no acreage, no county data
 - many plants missing
- Biosolid from the states:
 - NY, MD, VA and DE
- Spray Irrigation Data from the states:
 - MD and DE



Biosolid and Spray Irrigation Data

Recommended Plan

1. Gather as much data as available
2. Convert the raw data to the required data listed on the template
3. Estimate missing data
4. Develop default values and methods for when and where no data available

– Proposed method:

- use the pounds of sludge applied listed on ICIS
- Use the county where the facility locates
- Default values for the rest of missing data, such as TN and TP contents.
 - State defined
 - Bay wide averages

