

## README - AACountyFY22MS4Geodatabase\_20221222.gdb

### Error Codes:

- '88888', '8888', OR '888': These error codes were used where a numeric value was mandatory but no data were collected. The length of the error code used depends on the field size limit.
- '99999', '999', OR '9': These error codes were used where a descriptive value (e.g. location, permit number) was mandatory but data were missing and may be populated later, the field is not applicable, or the field should be conditional.
- '1/1/1899': This error code was used where date/time information was not available.
- 0 values are not equivalent to NULL values.
- The first day of the month used when the exact date is not known; this date is approximate and will be noted in the GEN\_COMMENTS where applicable.

### General Comments:

- This year's submittal is a hybrid geodatabase, conforming to the latest schema (provided by MDE 3/17/22) for all items except for the RestBMP, BMPPOI, and BMPDrainageArea feature classes and the BMP table. These features, tables and relationships are being provided in the previous schema. Comments below regarding these items refer to changes made to the previous schema. Data migration efforts are currently underway to fully conform to the latest schema.
- As per communication with MDE, the following conventions are used:
  - *RestBMP* feature class: IMPL\_COST field type changed to 'Long Integer'.
  - *RestBMP* feature class: PROJECTED\_IMPL\_YR for projects not moving forward will be marked as NULL and the STATUS will be 'P', inactive status will be noted in GEN\_COMMENTS.
  - *AltBMPLine*, *AltBMPPoint*, and *AltBMPPoly* feature classes: IMPL\_COMP\_YR for projects not moving forward will be marked as 8888 and the IMPL\_STATUS will be 'P', inactive status will be noted in GEN\_COMMENTS.
  - *Outfall* feature class: DIM\_OUTFALL is populated with equivalent diameter (NOT hydraulic equivalent diameter) of circular/noncircular pipes. HT\_OUTFALL and WT\_OUTFALL are populated with widest and tallest dimensions of pipe.
- Outfall feature class: Only Major outfalls are reported this year
- BMP table:
  - APPR\_DATE field type was changed from numeric to date.
  - "BMP\_TYPE" field - OWSW (wet swale) has been omitted from MDE's domain. The County data include several facilities of this BMP type, in violation of the domain.
- RestBMP feature class: Populated according to the database model provided in "MDE\_NPDES\_MS4\_052017.mdb". Note that the field order (see fields BMPPOI\_ID and RESTBMP\_DRAIN\_AREA) in the database framework and the Geodatabase Design and User's Guide (Version 1.2, May 2017) do not match. Also, there is a typographic error in the database

framework for the field REST\_tBMP\_TYPE; field name corrected, per the guidance document, to REST\_BMP\_TYPE.

- Relationship error: "rBMPPOI\_RESTBMP" - relationship type is one-to-one. However, multiple restoration BMPs may be combined within a single BMP system (i.e., represented by a single POI), just as multiple BMP records may share a POI. The County has several restoration BMPs with BMPPOI\_IDs that violate this relationship, but that the County notes are correct.
- AltBMPPoly feature class: Catch Basin Cleaning SDV\_MATERIAL was set to "Organic", but comments clarify that credits were computed assuming material was 50% organic and 50% inorganic.
- ChesapeakeBayProgress table: The data for loads (fields: BASELINE\_LOAD, TARGET\_LOAD, PERMIT\_LOAD, and CURRENT\_LOAD) contain the full values in each record. The data have not been altered to reduce the number of significant digits to two.
- IDDEScreening table: Observed flow was not limited to hundredths CFS.
- LocalConcern table: This table has no records. There are no chemical monitoring data collected for local concerns at this time.
- LocalTMDLProgress table: The data for loads (fields: BASELINE\_LOAD, TARGET\_LOAD, PERMIT\_LOAD, and CURRENT\_LOAD) contain the full values in each record. The data have not been altered to reduce the number of significant digits to two. FC and ECOLI have the current load set to '88888' as TMDL progress for these parameters is now assessed by monitoring rather than modeling.
- BiologicalMonitoring table: This table has no records. The County now participates in the Pooled Monitoring Program.
- ChemicalMonitoring table: This table has no records. The County now participates in the Pooled Monitoring Program.
- NarrativeFiles table: The values in the MON\_STATION\_ID field are simple placeholders (copies of the values in the MDE\_DOC\_NAME\_ID field) to allow the import of data into a field that does not allow NULLs. There is not a 1:1 relationship between monitoring stations and narrative files.