

Metadata Creation Tool Content Template for Data Stewards

Instructions for use: Please complete all sections in each table below under the ‘FIELD CONTENT’ column. The cells associated with each field in the table will automatically expand to accommodate all of the text that is either typed into the ‘FIELD CONTENT’ column or pasted in from other documents. An * next to a field name indicates that it is mandatory for information to be entered into the adjacent ‘FIELD CONTENT’ cell. *Italic text* in the ‘FIELD’ column denotes that additional information can be added if available. Do not alter any of the field labels in any of the tables. Please use either the Metadata Creation Tool User Guide or the Metadata Content Guidance Document to assist you with completing each cell. If you need further assistance, please call Jeff Patridge (573) 522-8330 or e-mail him Jeff.Patridge@dhss.mo.gov.

I. IDENTIFICATION TAB

A. CITATION PAGE

| FIELD | FIELD CONTENT |
|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| * CATEGORY | Hazard |
| * PUBLICATION DATE | 20090126 |
| *TITLE | Public Drinking Water Quality Dataset: Yearly Measures |
| URL | None |
| * NATIVE DATASET ENVIRONMENT | This dataset contains analyte values and measures related to drinking water quality. The dataset will house information on four analytes: Arsenic, Disinfection By Products (DBP), Lead and Nitrate. Data are stored in PC SAS version 9.2, Microsoft Windows 2003 and Oracle server 10g. |

B. DESCRIPTION PAGE

| FIELD | FIELD CONTENT |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| * ABSTRACT | This dataset has all of the information necessary to calculate Maryland Environmental Public Health Tracking (EPHT) measures of contaminants in the State’s public water supply for arsenic, disinfection byproducts, lead and nitrates. Data are derived from state Safe Drinking Water Act (SDWA) databases. This dataset contains one record for each community public water system (PWS) per compliance period, with average concentrations of each of arsenic, disinfection byproducts and nitrates, and whether or not a Maximum Contaminant Level (MCL) violation occurred. For lead, each record contains the 90 th percentile value of lead sample results and whether the 90 th percentile value exceeded the regulatory action level. Each record also contains descriptive information about the PWS. |
| * PURPOSE | This dataset contributes to the Environmental Health Coordination Program (EHCP) at the Maryland Department of Health and Mental Hygiene (DHMH) and its Maryland Tracking Network (MTN) and the Centers for Disease Control |

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| * PLACES | FIPS 5-2 (State) |
| * PLACES KEYWORD | Maryland (24) |
| <i>PLACES 2</i> | FIPS 5-3 (Counties/Baltimore City) |
| <i>PLACES 2 KEYWORD</i> | Allegany (001), Anne Arundel (003), Baltimore (005), Calvert (009), Caroline (011), Carroll (013), Cecil (015), Charles (017), Dorchester (019), Frederick (021), Garrett (023), Harford (025), Howard (027), Kent (029), Montgomery (031), Prince George's (033), Queen Anne's (035), St Mary's (037), Somerset (039), Talbot (041), Washington (043), Wicomico (045), Worcester (047), Baltimore City (510) |
| <i>PLACES 3</i> | |
| <i>PLACES 3 KEYWORD</i> | |

F. SECURITY PAGE

| FIELD | FIELD CONTENT |
|----------------------------------|---------------|
| * SECURITY CLASSIFICATION SYSTEM | None |
| * CLASSIFICATION | Unclassified |
| * SECURITY HANDLING DESCRIPTION | None |
| * ACCESS CONSTRAINTS | None |
| * USE CONSTRAINTS | None |

II. DATA QUALITY TAB

| FIELD | FIELD CONTENT |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| * PROCESS DATE | 20080414 |
| * PROCESS DESCRIPTION | Extracting information from state drinking databases. Storing information in standardized table formats. Using SAS to create measures. Water measures were extracted from an Oracle database by using PC SAS. Excel tables were created. Excel tables were sent to the Maryland EPHT Program. These water data will be kept on the Maryland EPHT Oracle server. |
| <i>PROCESS DATE</i> | |
| <i>PROCESS DESCRIPTION</i> | |
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| <i>PROCESS DESCRIPTION</i> | |
| * LOGISTICAL CONSISTENCY REPORT | |
| * COMPLETENESS REPORT | Complete |

III. ENTITY AND ATTRIBUTES TAB

| FIELD | FIELD CONTENT |
|-------------------------------|----------------------------------------------------------------------------------------|
| PWS_Number | PWS_Number=Unique PWS identifier |
| Year | Year |
| PWS_Name | PWS_Name=Name of PWS |
| Principal_Copunty_Served_Name | Principal_Copunty_Served_Name=Principal county served by the PWS |
| Principal_City_Served_Name | Principal_City_Served_Name=Principal city, town or village served by the PWS |
| State_FIPS_Code | State_FIPS_Code=State FIPS code |
| State_Served_Name | State_Served_Name=State abbreviation |
| Total_Connections | Total_Connections=Number of residential service connections |
| System_Population | System_Population=Permanent population uniquely served by CWS |
| Primary_Source_Code | Primary_Source_Code=Type of source |
| Nitrate_MCL_Violation_Yr | Nitrate_MCL_Violation_Yr=Had MCL violation for nitrate during given year |
| DBP_MCL_Violation_Yr | DBP_MCL_Violation_Yr=Had MCL violation for any DBPs during given year |
| Arsenic_MCL_Violation_Yr | Arsenic_MCL_Violation_Yr=Had MCL violation for arsenic during given year |
| Num_DBP_Violation_Yr | Num_DBP_Violation_Yr=Number of DBP MCL violations (either HAA5 or THM) during year |
| PersonMonths_No_DBP_Viol_Yr | PersonMonths_No_DBP_Viol_Yr=Number of person months with no DBP MCL violations |
| Pb_AL_Exceed_Yr | Pb_AL_Exceed_Yr=Had Pb Action Level (AL) exceedence during year |
| THM_Mean_Gt_50pctile_Yr | THM_Mean_Gt_50pctile_Yr=Mean THM is greater than 50 th percentile benchmark |
| THM_Mean_Gt_75pctile_Yr | THM_Mean_Gt_75pctile_Yr=Mean THM is greater than 75 th percentile benchmark |
| THM_Mean_Gt_90pctile_Yr | THM_Mean_Gt_90pctile_Yr=Mean THM is greater than 90 th percentile benchmark |
| THM_Mean_Gt_95pctile_Yr | THM_Mean_Gt_95pctile_Yr=Mean THM is greater than 95 th percentile benchmark |
| HAA5_Mean_Gt_50pctile_Yr | HAA5_Mean_Gt_50pctile_Yr=Mean HAA5 is greater than 50 th |

| | |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| HAA5_Mean_Gt_75pctile_Yr | percentile benchmark HAA5_Mean_Gt_75pctile_Yr=Mean HAA5 is greater than 75 th |
| HAA5_Mean_Gt_90pctile_Yr | percentile benchmark HAA5_Mean_Gt_90pctile_Yr=Mean HAA5 is greater than 90 th |
| HAA5_Mean_Gt_95pctile_yr | percentile benchmark HAA5_Mean_Gt_95pctile_Yr=Mean HAA5 is greater than 95 th |
| THM_Mean_Conc_Yr | percentile benchmark THM_Mean_Conc_Yr=Mean of the Total Trihalomethane concentration. Trihalomethanes comprise chloroform, bromodichloromethane, dibromochloromethane, bromoform. |
| HAA5_Mean_Conc_Yr | HAA5_Mean_Conc_Yr=Mean of Haloacetic acid concentration. Haloacetic acids comprise trichloroacetic acid, dichloroacetic acid, monochloroacetic acid, dibromoacetic acid, monobromoacetic acid. |
| Nitrate_Mean_Conc_Yr | Nitrate_Mean_Conc_Yr=Mean Nitrate concentration |
| Nitrate_Max_Conc_Yr | Nitrate_Max_Conc_Yr=Maximum Nitrate concentration |
| * DETAILED CITAITON | See above. |

IV. DISTRIBUTION TAB

| FIELD | FIELD CONTENT |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| RESOURCE DESCRIPTION | Data on averages and Maximum Contaminant Level violations for arsenic, disinfection by products, nitrates and lead samples greater than the 90 th percentile data were obtained from MDE, the data owner. |
| LIABILITY | Every effort was made to make available the most current, and correct data possible. Nevertheless, inadvertent errors in data can occur. The EHCP at DHMH and the MTN disclaim any responsibility for data errors and inaccuracy of the information that may be contained within the SDWIS/SDWA database. The EHCP at DHMH and the MTN reserve the right to correct errors at any time. |
| CUSTOM ORDER PROCESS | Distributed through the national environmental public health tracking portals. These data can be obtained from the EHCP at DHMH and the MTN web site. |

V. METADATA TAB

| FIELD | FIELD CONTENT |
|----------------------|----------------------------|
| * DATE CREATED | 20080516 |
| * STANDARD NAME | EPHTN TEMPLATE VERSION 1.1 |
| * ACCESS CONSTRAINTS | None |
| * USE CONSTRAINTS | None |

VI. CONTACTS TAB

A. MATRIX PAGE

| FIELD | FIELD CONTENT |
|-------|---------------|
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| | |
|------------------|--------------------------------------------------|
| * CONTACT 1 NAME | John T. Braggio, PhD, MPH |
| * CONTACT 1 TYPE | Maryland EPHT Program Coordinator/Epidemiologist |
| CONTACT 2 NAME | |
| CONTACT 2 TYPE | |
| CONTACT 3 NAME | |
| CONTACT 3 TYPE | |
| CONTACT 4 NAME | |
| CONTACT 4 TYPE | |

B. ORIGINATORS PAGE

| FIELD | FIELD CONTENT |
|------------------|--------------------------------------------------------------------------|
| * PERSON | John T. Braggio, PhD, MPH |
| * ORGANIZATION | Maryland EPHT Program, EHCP/CHA, MD Dept. of Health & Mental Hygiene |
| * TITLE | Maryland EPHT Program Coordinator/Epidemiologist |
| USERID | |
| HOURS | 8:00 a.m. to 4:30 p.m. |
| INSTRUCTIONS | None |
| * PHONE NO. 1 | 410-767-6661 |
| PHONE NO. 2 | |
| * FAX | 410-333-5995 |
| * E-MAIL | jbraggio@dhmh.state.md.us |
| TDD/TTY | |
| * STREET ADDRESS | 201 West Preston Street, 3 rd Floor |
| * CITY | Baltimore |
| STATE | MD |
| COUNTRY | U.S.A. |
| * ZIP | 21201 |

C. DISTRIBUTORS PAGE

| FIELD | FIELD CONTENT |
|------------------|--------------------------------------------------------------------------|
| * PERSON | John T. Braggio, PhD, MPH |
| * ORGANIZATION | Maryland EPHT Program, EHCP/CHA, MD Dept. of Health & Mental Hygiene |
| * TITLE | Maryland EPHT Program Coordinator/Epidemiologist |
| USERID | |
| HOURS | 8:00 a.m. to 4:30 p.m. |
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|---------|--------|
| STATE | MD |
| COUNTRY | U.S.A. |
| * ZIP | 21201 |

D. METADATA CONTACTS PAGE

| FIELD | FIELD CONTENT |
|------------------|--------------------------------------------------------------------------|
| * PERSON | John T. Braggio, PhD, MPH |
| * ORGANIZATION | MD EPHT Program, EHCP/CHA, MD Dept. of Health & Mental Hygiene |
| * TITLE | Maryland EPHT Program coordinator/Epidemiologist |
| USERID | |
| HOURS | 8:00 a.m. to 4:30 p.m. |
| INSTRUCTIONS | None |
| * PHONE NO. 1 | 410-767-6661 |
| PHONE NO. 2 | |
| * FAX | 410-333-5995 |
| * E-MAIL | jbraggio@dhmh.state.md.us |
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| COUNTRY | U.S.A. |
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