

## 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](mailto: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 <sup>th</sup> percentile value of lead sample results and whether the 90 <sup>th</sup> 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



* 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

<b>FIELD</b>	<b>FIELD CONTENT</b>
* SECURITY CLASSIFICATION SYSTEM	None
* CLASSIFICATION	Unclassified
* SECURITY HANDLING DESCRIPTION	None
* ACCESS CONSTRAINTS	None
* USE CONSTRAINTS	None

II. DATA QUALITY TAB

<b>FIELD</b>	<b>FIELD CONTENT</b>
* 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>	
<i>PROCESS DATE</i>	
<i>PROCESS DESCRIPTION</i>	
<i>PROCESS DATE</i>	
<i>PROCESS DESCRIPTION</i>	
<i>PROCESS DATE</i>	
<i>PROCESS DESCRIPTION</i>	
<i>PROCESS DATE</i>	
<i>PROCESS DESCRIPTION</i>	
<i>PROCESS DATE</i>	
<i>PROCESS DESCRIPTION</i>	
<i>PROCESS DATE</i>	

<i>PROCESS DESCRIPTION</i>	
<i>PROCESS DATE</i>	
<i>PROCESS DESCRIPTION</i>	
<i>PROCESS DATE</i>	
<i>PROCESS DESCRIPTION</i>	
* LOGISTICAL CONSISTENCY REPORT	
* COMPLETENESS REPORT	Complete

### III. ENTITY AND ATTRIBUTES TAB

<b>FIELD</b>	<b>FIELD CONTENT</b>
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 <sup>th</sup> percentile benchmark
THM_Mean_Gt_75pctile_Yr	THM_Mean_Gt_75pctile_Yr=Mean THM is greater than 75 <sup>th</sup> percentile benchmark
THM_Mean_Gt_90pctile_Yr	THM_Mean_Gt_90pctile_Yr=Mean THM is greater than 90 <sup>th</sup> percentile benchmark
THM_Mean_Gt_95pctile_Yr	THM_Mean_Gt_95pctile_Yr=Mean THM is greater than 95 <sup>th</sup> percentile benchmark
HAA5_Mean_Gt_50pctile_Yr	HAA5_Mean_Gt_50pctile_Yr=Mean HAA5 is greater than 50 <sup>th</sup>

HAA5_Mean_Gt_75pctile_Yr	percentile benchmark HAA5_Mean_Gt_75pctile_Yr=Mean HAA5 is greater than 75 <sup>th</sup>
HAA5_Mean_Gt_90pctile_Yr	percentile benchmark HAA5_Mean_Gt_90pctile_Yr=Mean HAA5 is greater than 90 <sup>th</sup>
HAA5_Mean_Gt_95pctile_yr	percentile benchmark HAA5_Mean_Gt_95pctile_Yr=Mean HAA5 is greater than 95 <sup>th</sup>
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 <sup>th</sup> 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
-------	---------------

* 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	<a href="mailto:jbraggio@dhhm.state.md.us">jbraggio@dhhm.state.md.us</a>
TDD/TTY	
* STREET ADDRESS	201 West Preston Street, 3 <sup>rd</sup> 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.
INSTRUCTIONS	None
* PHONE NO. 1	410-767-6661
PHONE NO. 2	
* FAX	410-333-5995
* E-MAIL	<a href="mailto:jbraggio@dhhm.state.md.us">jbraggio@dhhm.state.md.us</a>
TDD/TTY	
* STREET ADDRESS	201 West Preston Street, 3 <sup>rd</sup> Floor
* CITY	Baltimore

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	<a href="mailto:jbraggio@dnhm.state.md.us">jbraggio@dnhm.state.md.us</a>
TDD/TTY	
* STREET ADDRESS	201 West Preston Street, 3 <sup>rd</sup> Floor
* CITY	Baltimore
STATE	MD
COUNTRY	U.S.A.
* ZIP	21201