

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 XXXX or e-mail him as YYYY@ZZZ.ZZ.ZZ.

I. IDENTIFICATION TAB

A. CITATION PAGE

FIELD	FIELD CONTENT
* CATEGORY	Environmental Air Hazards
* PUBLICATION DATE	20090126
*TITLE	Maryland Ozone Monitor Readings
URL	http://www.epa.gov/ttn/airs/airsaqs/
* NATIVE DATASET ENVIRONMENT	Files can be downloaded as text files from above listed URL address. Ozone data are also available for download from the Maryland Tracking Network (MTN) web site, http://dhmh.ephtracking.net/ .

B. DESCRIPTION PAGE

FIELD	FIELD CONTENT
* ABSTRACT	Between 2000 and 2006 there were approximately 20 ozone monitors in Maryland. These ozone monitors were maintained by the Maryland Department of the Environment (MDE). Most of these ozone monitors were located along the I-95 corridor, which begins in Washington, DC, goes in a north-east direction through Baltimore, continues in Harford County, and into Pennsylvania. According to the Environmental Protection Agency (EPA) web site for the Technology Transfer Network (TTN) Air Quality System (AQS), the ozone monitor data are obtained by MDE. Ozone readings are made hourly, 24 hours per day, from April 1 st through October 30 th of each year, http://www.epa.gov/ttn/airs/airsaqs/detaildata/downloadaqsdta.htm . Ozone unit of measurement is parts per million (ppm). Annual monitor summaries are also available for 1 hour and 8 hour values, http://www.epa.gov/air/data/ .
* PURPOSE	MDE uses ozone monitor readings to carry out compliance requirements established by EPA. EPA is responsible to set ozone compliance criteria; now the ozone standards are 0.12 ppm for one hour average concentration and 0.08

<i>THEME 3</i>	ISO 19115
<i>THEME 3 KEYWORD</i>	004 Climatology, Meteorology, Atmosphere
* <i>PLACES</i>	FIPS 5-2 (State)
* <i>PLACES KEYWORD</i>	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	20071231
* PROCESS DESCRIPTION	MDE uploads Maryland ozone monitor data to the AQS each quarter. Data have to go through quality checks before they are certified as complete. Most recent annual Maryland ozone monitor data available on the MTN are for calendar year of 2006.
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* LOGISTICAL CONSISTENCY REPORT	Data checks are carried out by EPA. Details of data quality control measures are briefly summarized on the EPA web site. Monitor location is given in latitude and longitude coordinates. Geographic polygons for monitor location are also provided; these include state, county, city/place and residential zip codes. Data checks of the EPA distributed Maryland ozone data are also carried out by the MTN epidemiologist, before the ozone data are made available on the MTN.
* COMPLETENESS REPORT	Monitor information includes inclusive dates for the entire year when ozone readings were made, how ozone was measured, missing readings because of equipment malfunction or due to data processing errors and annual monitor summaries.

III. ENTITY AND ATTRIBUTES TAB

FIELD	FIELD CONTENT
* OVERVIEW	Maryland ozone monitor readings are now available on the MTN for years 2000 through 2006. Ozone is measured in ppm, as stated above, by different monitors located within Maryland. Hourly monitor readings are available, as well as annual monitor summaries. Complete data dictionary is available from the AQS web page. Data extracts can be downloaded as preformatted data tables for individual years. Data selection can be accomplished using data queries. Both can be downloaded. For this block of seven consecutive years of data, there were approximately 20 active monitors per year. Time measurement parameters include date (day) and time (hour) during the ozone season, which starts on April 1 st and ends on October 31 st . Monitor location is also provided in latitude and longitude, as well as other geopolitical polygons mentioned above. Descriptive information about the location of the monitor is also provided. Census measures include persons who live close to each ozone monitor. On the MTN only annual ozone monitor readings per counties with ozone monitors are available. Note that not all counties in Maryland have ozone readings because these counties do not have ozone monitors.
* DETAILED CITATION	To make the ozone monitor readings compatible for use with other chronic disease or health outcome data that will be available from the MTN only a subset of variables have been selected; these include: county, year, and ozone values in ppm. More complete ozone variable and metadata dictionaries are available from the EPA AQS web page listed above.

IV. DISTRIBUTION TAB

FIELD	FIELD CONTENT
RESOURCE DESCRIPTION	Maryland ozone monitor readings are available as hourly readings or annual averages, from the TTN AQS web page, at the URL given above. File size parameters vary depending on selected data. File size information is available from the download web page. A subset of ozone variables, limited to variables for year, county and ozone values in ppm, can be downloaded from the MTN. The MTN can only make available annual ozone readings in ppm in counties with an ozone monitor.
LIABILITY	User of the MTN assumes responsibility for the appropriate analysis and interpretation of Maryland ozone monitor data. Without knowing about how ozone was measured and limitations on how ozone readings can be analyzed, it is possible that results may not be meaningful. The EPA AQS web site provides additional information about what happens if ozone monitor data are analyzed improperly. The MTN will provide some guidance in the analysis and interpretation of results obtained from structured or semi-structured data queries. These statements include risk communication messages. Additional, but limited, assistance will be available from the Maryland EPHT epidemiologist. E-mail contact information for data analysis assistance is on the MTN web site.
CUSTOM ORDER PROCESS	Available Maryland ozone monitor data can be obtained from the TTN AQS web site listed above (complete file) or the MTN (subset of full file). Future plans will be to make EPA modeled ozone data accessible from the MTN web site. The modeled ozone data is now a work in progress in Maryland. An availability notice will be added to the MTN when the modeled ozone data will be available from the MTN query/map pages and download.

V. METADATA TAB

FIELD	FIELD CONTENT
* DATE CREATED	20090126
* 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	EPA
* CONTACT 1 TYPE	EPA contact information is available from TTN AQS contact web page, http://www.epa.gov/ttn/airs/airsaqs/usersupportandagencycontacts.htm
CONTACT 2 NAME	MDE
CONTACT 2 TYPE	MDE contact information is available from the TTN AQS web page, http://www.epa.gov/ttn/airs/airsaqs/usersupportandagencycontacts.htm
CONTACT 3 NAME	MTN

CONTACT 3 TYPE	MTN contact information is available from the MTN web page, http://dhmh.ephtracking.net/ .
CONTACT 4 NAME	
CONTACT 4 TYPE	

B. ORIGINATORS PAGE

FIELD	FIELD CONTENT
* PERSON	EPA (Anonymous)
* ORGANIZATION	The TTN AQS web page provides name and contact information for the originator of the MDE ozone monitor data, http://www.epa.gov/ttn/airs/airsaqs/basic_info.htm
* TITLE	N/A
USERID	
HOURS	
INSTRUCTIONS	
* PHONE NO. 1	
PHONE NO. 2	
* FAX	
* E-MAIL	
TDD/TTY	
* STREET ADDRESS	
* CITY	
STATE	
COUNTRY	U.S.A.
* ZIP	

C. DISTRIBUTORS PAGE

FIELD	FIELD CONTENT
* PERSON	EPA (Anonymous)
* ORGANIZATION	The TTN AQS web page provides name and contact information for obtaining MDE ozone monitor data, http://www.epa.gov/ttn/airs/airsaqs/basic_info.htm
* TITLE	N/A
USERID	
HOURS	
INSTRUCTIONS	
* PHONE NO. 1	
PHONE NO. 2	
* FAX	
* E-MAIL	
TDD/TTY	
* STREET ADDRESS	
* CITY	
STATE	

COUNTRY	U.S.A.
* ZIP	

D. METADATA CONTACTS PAGE

FIELD	FIELD CONTENT
* PERSON	John T. Braggio, PhD, MPH
* ORGANIZATION	Maryland Environmental Public Tracking Program
* TITLE	Coordinator/Epidemiologist
USERID	
HOURS	8:00 AM – 4:30 PM
INSTRUCTIONS	
* PHONE NO. 1	410-767-6661
PHONE NO. 2	410-767-6234
* FAX	410-767-333-5995
* E-MAIL	JBraggio@dnhm.state.md.us
TDD/TTY	None
* STREET ADDRESS	201 W. Preston St, Third floor
* CITY	Baltimore
STATE	MD
COUNTRY	U.S.A.
* ZIP	21201