Instructions for Submitting Data Corrections

Introduction

EPA seeks comments on hazardous air pollutant (HAP) emissions and other model input data that we used to assess risks from selected industrial major source categories, as required by section 112(f) of the Clean Air Act. The source of this information is the most recent version of EPA's Risk and Technology Review (RTR) Program data, updated with data collected by EPA's Office of Air Quality Planning and Standards.

The Microsoft Access file will enable you to review and suggest revisions to HAP emissions and other descriptive information associated with all facilities in a single Maximum Achievable Control Technology (MACT) category. Instructions for using this file to review the data, revise the data, and submit revisions to EPA are outlined below. Section 6[1] lists specific steps for submitting your final changes to the EPA. Section 7 of this document defines important terms (e.g., MACT, SIC, SCC, etc.) and all data elements found in this file. The complete outline for this document is listed below:

1. Application Overview
2. View Summary Data
    a. Options
        i. MACT HAP Emissions
        ii. State County MACT Emissions
        iii. Facility MACT HAP Emissions
        iv. All Data
    b. Filter Data
3. Revise Data
    a. Revise Emission Fields
    b. Revise Stack Fields
    c. Revise Process Fields

[1] Underlined text in this document indicates hyperlinks to text both inside and outside the document.

    d. Revise Facility Information
    e. Add Data to an Existing Facility
4. Add a Facility
5. Review Revisions
6. Submit Revisions
7. Term Definitions

Please note that the category-specific files may contain all emissions data for the facilities identified as belonging to a MACT category. Thus, some of the emissions may be from processes NOT associated with the MACT category of interest. The column labeled "MACT Code" indicates if the HAP pollutant emissions are associated with the MACT category of interest or another MACT category at the facility. For example, if the MACT code is labeled 0107-2, the emissions are described as being associated with "Industrial/Commercial/ Institutional Boilers & Process Heaters – gas." These are shown to provide a complete dataset for the facility and/or to help the reviewer spot additional processes which should be assigned to the MACT category.

The review file contains emissions of HAPs modeled as part of RTR.

1. **Application Overview**

When this Microsoft Access file opens you are presented with a "Main Page" containing five buttons:

1. View Summary Data
2. Revise Data
3. Review Revisions
4. Submit Revisions
5. Exit Database

After reading these instructions, you should select the "View Summary Data" button to view summary data before making revisions or adding any facilities to this file. After reviewing the current data for your MACT category, you can proceed to the "Revise Data" forms. After

making corrections to this file, you should review your corrections and then submit your revisions to EPA as outlined on the "Submit Revisions" form. Please note revisions made to the data on EPA's website will not be saved. In order to make revisions that will be saved, you will need to download the zipped file to your hard drive and extract the Access file to your hard drive.

2. **View Summary Data**

After selecting and clicking the "View Summary Data" button, the form displays national level summary data for all pollutants associated with the MACT category of interest. You can sort the columns in ascending or descending order if you wish to see the highest or lowest emissions and/or if you want to sort by pollutant name alphabetically. This form also provides buttons that allow you to change the aggregation level ("Options") of the data and/or filter by pollutant ("Filter Data").

a. **Options** – These buttons allow you to view summary data at varying levels of detail. When you click these buttons, new forms open with data level and filter buttons appropriate to the dataset displayed. These buttons and their accompanying forms are as follows:

i. **MACT HAP Emissions (View National Data Form) –** Discussed above, this form displays national level summary data for all pollutants associated with the MACT category of interest. This is the default form that opens when you select "View Summary Data" on the "Main Page."

ii. **State County MACT Emissions (View State, County, MACT, HAP, and Emissions Data Form)** – All emissions for the MACT category are shown at the county – pollutant level. This form would allow you, for example, to find your county and view total emissions by pollutant from the MACT category. After viewing emissions at the county level, you might want to view all facilities in the county to

determine where high (or low) emissions values for a given pollutant are originating. To do this, proceed to the Facility MACT HAP Emissions data level.

iii. **Facility MACT HAP Emissions (View Facility, MACT, HAP, and Emissions Data Form)** – Total emissions by pollutant may be shown for all processes at all facilities assigned to this MACT category. The column labeled "MACT Code" indicates if the HAP pollutant emissions are associated with the MACT category or another MACT category at the facility. For example, if the MACT code is labeled 0107-2, the emissions are described as being associated with "Industrial/Commercial/ Institutional Boilers & Process Heaters – gas." These are shown to provide a complete dataset for the facility and/or to help you spot additional processes which should be assigned to the MACT category.

After viewing emissions at the facility level, you might want to view all data associated with that facility to make sure that latitude/longitudes, stack parameters, Source Classification Codes (SCC), Standard Industrial Classification (SIC) codes, North American Industry Classification System (NAICS) codes, and other descriptive information are correct. To view this information, select the "All Data" button.

iv. **All Data (View All Data Form)** – Detailed records are shown for all facilities included in this MACT category. This detail includes process level HAP emissions, SCCs, emission process group, stack parameters, latitude/longitudes, NAICS, SIC and address information.

b. **Filter Data** – These buttons allow you to filter the current dataset by different attributes. The available filters change depending upon the detail level of the displayed data (e.g., the county level filter is *not* available on the national level

summary form, but is available at the State County MACT level). You can choose one filter after another to progressively narrow down the data to records of interest. For example, on the State County MACT Emissions level, you can filter by state and then by pollutant. The filters available on each data level are:

- National Data – Pollutant filter.
- State County MACT Emissions – Pollutant, state, and county filters.
- Facility MACT HAP Emissions – Facility, pollutant, state, county, and MACT code filters.
- All Data – Facility, pollutant, state, county, and MACT code filters.

Filters can be removed by clicking the "Remove Filter" Button. Clicking "Remove Filter" removes all filters applied and returns the dataset to its original form.

After viewing emissions at the facility level, proceed to "Revise Data" on the "Main Page" if there any omissions or errors that need correction.

3. **Revise Data**

When you select "Revise Data" the "Reviewer Information" form first opens. You must complete this form before continuing. This form collects contact information on the reviewer:

- Name
- Organization
- Phone Number
- Email Address

Please note: If you suggest changes to or add emissions values you will need to provide additional documentation for these emission revisions to the docket. (See Section 6 for more information.)

The "Reviewer Information" form will appear every time you return to the revised data forms, however, your contact information will be saved in the drop down list and you can readily select

your email address from the list. The “Facility Selection” form opens and allows the user to select a facility for revision. The name of the facility and address information are shown in the selection list as multiple facilities may have similar names. At this point, you can select one of five actions: “Revise Data for Selected Facility,” “Add a Facility,” “Add Data to an Existing Facility,” “Export Facility Data to an Excel File,” or “Back to Main.” The “Add a Facility” button is discussed in Section 4; the rest are described below.

Revise Data for Selected Facility – Selecting this button opens a form which allows you to select the specific data attributes to be revised. These attributes are:

a. **Revise Emissions Fields** – Selecting this option brings up data fields relevant to the emissions value. Fields that can be revised here are: start date, end date, routine emissions (tons per year), allowable and acute emissions (tons per year), and pollutant code. If an emissions value is changed, the start date, end date, control measure information, and emissions calculation method code must be updated as well. For EPA to better understand current control measures that are in operation, we are requesting that reviewers indicate the type of control measure associated with each unit. You can indicate if the process is controlled (check box for Yes), select a control measure from the drop down list, and provide additional information in the comment field. If the control measure information is not provided, the emission process will be considered uncontrolled. You can also indicate that the HAP emissions value should be deleted, and provide a reason for this deletion. Please note that you can only enter data into the revision fields. The remaining fields are locked. When you are finished making your changes, select “Save Records” at the bottom of the form to save your revisions and move to another form.

   Please note: If you suggest changes to or add emissions values, you will need to provide additional documentation for these emission revisions. (See Section 6 for more information.)

b. **Revise Stack Fields** – Selecting this option brings up data fields relevant to the emissions release point. Fields that can be revised here are stack height, stack diameter, stack temperature, exit gas velocity, exit gas flow rate, the emission release point type (stack vs. fugitive), fugitive length, fugitive width, fugitive angle, latitude and longitude, and North American Datum. You can also enter a general comment on the revision. Please note that you can only enter data into the revision fields. The remaining fields are locked. When you are finished making your changes, select "Save Records."

c. **Revise Process Fields** – Selecting this option brings up data fields relevant to the process. Fields that can be revised here are MACT code and SCC. You can also enter a general comment on the revision. You only enter data into the revision fields. The remaining fields are locked. When you are finished making your changes, select "Save Records."

d. **Revise Facility Information** – Selecting this option brings up data fields that describe the facility. Fields that can be revised here are: tribal code, county name, facility registry identifier, facility category code (major or area), facility name, location address, city, state, and zip code. You can also enter a general comment on the revision, indicate that the facility should be removed from the RTR data set if it has permanently closed and when it closed, or indicate the facility should be removed from the MACT category. Please note that you can only enter data into the revision fields. The remaining fields are locked. When you are finished making your changes, select "Save Records."

e. **No Revisions** – Select this button to indicate you have reviewed the facility data and have no revisions. You cannot select this button if you have made revisions to the facility. After you make this selection, you will not be able to make revisions to the facility data.

Add Data to an Existing Facility – Selecting the "Add Data to an Existing Facility" button opens a form which shows all the current HAP emissions for the selected facility. You should scroll to the last row to enter any missing pollutant data. All data fields should be filled in. When you are finished making your changes, select "Save Records."

Export Facility Data to an Excel File – Selecting this option allows you to export the facility data to an Excel file if it facilitates your review of the original RTR facility and emissions data. After clicking this button, you will be asked to which local directory[2] you would like to save the file. If you select this option after making revisions, your revised records will be included.

Other Options – You also have the option of selecting a different facility, returning to the Main Page, reviewing your changes, or preparing the file to submit your changes to EPA.

4. **Add a Facility**

When you select "Add a Facility" on the "Revise Data" form button a new form opens with a single blank record. You can add a facility to this MACT category and enter the HAP emissions and associated descriptive facility and emission release point information. This information includes: tribal code; county name; facility category code (major or area); facility name; location address city, state, and zip code; SIC code; NAICS code; SCC; MACT code; pollutant; actual emissions values; stack parameters; and latitude/longitude. The reviewer should also enter one set of appropriate identifiers: facility registry identifier, facility identifier, unit ID, process ID, and emission release point ID. Required fields are noted. If you add emissions for a process that is not associated with the MACT category, please select the appropriate MACT code (from the drop down list) or indicate that it is not a MACT-associated process. When you are finished making your changes, select "Save Records." To create additional emission unit, process, and HAP emissions records, now select "Add Data to an Existing Facility" and continue with your data entry.

[2] Please note: this directory should already exist on your PC. The program will not create new subdirectories.

5. **Review Revisions**

When you open the "Review Revisions" form, you can export your suggested revisions to Microsoft Excel so that you can print and review them. This form contains five buttons:

1. View Emissions Revisions;
2. View Facility Revisions;
3. Export Revisions to Excel File;
4. Submit Revisions; and
5. Back to Main

After selecting option 1 or 2, the corresponding form will open which will display the selected revisions. The Emissions Revisions form contains all additions and revisions entered under the Revise Emissions Fields, Revise Process Fields, and Revise Stack Fields forms as described above. The Facility Revisions form contains all additions and revisions entered under "Revise Facility Information" form. You can export these revisions by clicking the "Export Revisions to Excel file" button. After clicking this button, you will be asked to which local directory[3] you would like to save the file. The selected revisions will then be exported to a Microsoft Excel spreadsheet.

You should print out these spreadsheets, review them, and make corrections as necessary. To make corrections, return to the appropriate revision form (as described under Revise Data). Any previously revised data will appear in the revise data forms.

6. **Submit Revisions**

Upon completion of all additions and corrections, or acceptance of the data with no revisions, you need to submit your corrections to EPA. First, create a new file containing just the changes. To do so, select the "Submit Revisions" button found on the "Main Page" and on the revision and review summary data forms. Clicking the "Create Revisions File" button will create a spreadsheet file that contains the reviewer's changes. The file will be assigned a name using the following convention: revisions_XXXX_LastName.xls, where XXXX = 4-6 digit MACT code

[3] Please note: this directory should already exist on your PC. The program will not create new subdirectories.

and LastName = reviewer's last name. You will be prompted to save the new file to a local directory of your choice. Please note, when you export the final file version to a Microsoft Excel spreadsheet, this version will write over the review revisions version of the spreadsheet if you save them to the same folder on your hard drive. In addition to submitting the spreadsheet file to the docket, if you corrected or added emissions values, you should prepare supporting documentation. This can include source test reports, permit information and/or computational information such as emission factors and activity data (throughput). The spreadsheet and supporting documentation must be submitted manually to one of the addresses listed in the next paragraph.

Submit your revision database, identified by Docket ID No. EPA-HQ-OAR-2010-0544, by one of the following methods:

- http://www.regulations.gov: Follow the on-line instructions for submitting comments.
- Email: A-and-R-docket@epa.gov. Include Docket ID No. EPA-HQ-OAR-2010-0544 in the subject line.
- Mail: Environmental Protection Agency, EPA Docket Center (EPA/DC), Mailcode 28221T, Attention Docket ID No. OAR-2010-0544, 1200 Pennsylvania Avenue, NW, Washington, DC 20460.
- Fax: (202) 566-9744.
- Hand/Courier Delivery: UEPA Docket Center, Room 3334, EPA WJC West Building, 1301 Constitution Ave., NW, Washington, DC 20004. Attention Docket ID No. EPA-HQ-OAR-2010-0544. Such deliveries are only accepted during the Docket's normal hours of operation, and special arrangements should be made for deliveries of boxed information.

Instructions: Direct your comments to Docket ID No. EPA-HQ-OAR-2010-0544. The EPA's policy is that all comments received will be included in the public docket without change and may be made available online at http://www.regulations.gov, including any personal information provided, unless the comment includes information claimed to be confidential business information (CBI) or other information whose disclosure is restricted by statute. Do not submit

information that you consider to be CBI or otherwise protected through www.regulations.gov or email. The www.regulations.gov website is an "anonymous access" system, which means EPA will not know your identity or contact information unless you provide it in the body of your comment.

If you send an email comment directly to EPA without going through www.regulations.gov, your email address will be automatically captured and included as part of the comment that is placed in the public docket and made available on the Internet. If you submit an electronic comment, EPA recommends that you include your name and other contact information in the body of your comment and with any disk or CD-ROM you submit. If EPA cannot read your comment due to technical difficulties and cannot contact you for clarification, EPA may not be able to consider your comment. Electronic files should avoid the use of special characters, any form of encryption, and be free of any defects or viruses.

For additional information about EPA's public docket visit the EPA Docket Center homepage at http://www.epa.gov/epahome/dockets.htm. All documents in the docket are listed in the Federal Docket Management System index at www.regulations.gov. Although listed in the index, some information is not publicly available, i.e., CBI or other information whose disclosure is restricted by statute. Certain other material, such as copyrighted material, is not placed on the Internet and will be publicly available only in hard copy form. Publicly available docket materials are available either electronically through www.regulations.gov or in hard copy at the EPA Docket Center, EPA WJC Building, Room B-102, 1301 Constitution Avenue, NW, Washington, DC. The Public Reading Room is open from 8:30 a.m. to 4:30 p.m., Monday through Friday, excluding legal holidays. The telephone number for the Public Reading Room is (202) 566-1744, and the telephone number for the Air and Radiation Docket is (202) 566-1742.

7. **Term Definitions**

The table below lists and defines all of the data elements listed in the summary and revision forms found in the database.

Data Element	Definition
Acute Emissions (TPY)	Numeric value of acute emissions in tons/year
Allowable Emissions (TPY)	Numeric value of allowable emissions in tons/year
City	City where the MACT facility is located
City Revised	Enter revised city name here
Commenter Email Address	Email address for person providing comments
Commenter General Comment	A general descriptive comment on the revision
Commenter Name	Name of person providing comments
Commenter Organization	Commenter's affiliation - state/local/agency, trade association, company, etc.
Commenter Phone Number	Phone number for person providing comments
Control Measure In Place	Are control measures in place? (Yes or No)
Control Measure	Select control measure from list provided, and briefly describe the control measure
County Name	County name for MACT facility
County Name Revised	Enter revised county name here
Data Source Description	Descriptive text associated with data source code
Data Source Code	Code indicating source of emissions estimate (state, EPA, TRI, etc.). All codes are defined in lookup tables at http://www.epa.gov/ttn/chief/net/2005inventory.html
Delete	Indicate here if the facility or record should be deleted
Delete Comment	Describes the reason for deletion
Emission Calculation Method Code For Revised Emissions	Code description of the method used to derive actual emissions. For example, CEM, material balance, stack test, etc.
Emission Process Group	The general type of emissions process associated with the specific emissions point
Emission Release Point ID	State/local/tribal ID for point/location where emissions are released to ambient air
Emission Release Point Type	The code for physical configuration of the release point, i.e. vertical, fugitive, etc.
Emission Release Point Type Description	Descriptive text for emission release point type code
Emission Release Point Type Revised	Enter revised emission release point type here
Emission Unit ID	Unique ID reported consistently over time by state/local/tribal agency
Emissions (TPY)	Numeric value of actual emissions in tons/year
Emissions (TPY) Revised	Enter revised actual emissions value here
End Date	End date of the period in which reported emissions occur, e.g., 20081231 = December 31, 2008
End Date Revised	Enter revised end date here
EPA Region	EPA Regional code. All codes are defined in lookup tables at http://www.epa.gov/ttn/chief/net/2005inventory.html
Exit Gas Flow Rate	Numeric value of stack gas flow rate in actual cubic feet per second
Exit Gas Flow Rate (cuft/sec) Revised	Enter revised exit gas flowrate here
Exit Gas Temperature	The temperature of an exit gas stream (degrees Fahrenheit)
Exit Gas Temperature (F) Revised	Enter revised exit gas temperature here

Data Element	Definition
Exit Gas Velocity	The velocity of an exit gas stream (feet per second)
Exit Gas Velocity (ft/sec) Revised	Enter revised exit gas velocity here
Facility Category Code Revised	Enter revised facility category code here
Facility Category Desc	Definition associated with facility category code
Facility Category	Code indicating if HAP emitting facility is major or area. All codes are defined in lookup tables at http://www.epa.gov/ttn/chief/net/2005inventory.html
Facility Identifier	Unique ID number used by a state/local/tribal agency to identify a facility
Facility Name	The name of the facility of the MACT facility
Facility Name Revised	Enter revised facility name here
Facility Registry Identifier	The ID number assigned by the EPA Facility Registry System. FRS IDs can be found at: http://www.epa.gov/enviro/html/facility.html
Facility Registry Identifier Revised	Enter revised facility registry identifier here
FIPS	5 digit code assigned to state and county. All codes are defined in lookup tables at http://www.epa.gov/ttn/chief/net/2005inventory.html
Fugitive Angle (degrees)	Release angle (clockwise from true North); orientation of the y-dimension relative to true North, measured positive for clockwise starting at 0 degrees (maximum 89 degrees); will assume 0 degrees if it is not provided in data submittal
Fugitive Angle (degrees) Revised	Enter revised fugitive angle here
Fugitive Length (E-W) (ft)	Dimension of the source in the east-west (x-) direction, commonly referred to as length
Fugitive Length (E-W) (ft) Revised	Enter revised fugitive length here
Fugitive Width (N-S) (ft)	Dimension of the source in the north-south (y-) direction, commonly referred to as width
Fugitive Width (N-S) (ft) Revised	Enter revised fugitive width here
HAP Category Name	Broader grouping to which an individual chemical compound is assigned to by EPA. For example, “lead and compounds” contains all pollutants containing lead
Latitude (decimal degrees)	Latitude measure in decimal degrees of the angular distance on a meridian north or south of the equator. Positive (+) data point for N America. Include (+) sign, Ex. +78.123456. For point sources this represents the center of the source; for fugitive sources this is the southwest corner if the fugitive angle is zero, or the western most corner if the fugitive angle is greater than zero
Latitude (decimal degrees) Revised	Enter revised latitude here
Location Address	Physical street address for MACT facility
Location Address Revised	Enter revised location address here

Data Element	Definition
Location Default Flag	Code that indicates source of locational coordinates. All codes are defined in lookup tables at http://www.epa.gov/ttn/chief/net/2005inventory.html. For example, SITEAVG indicates site average
Longitude (decimal degrees)	Longitude measure in decimal degrees of the angular distance on a meridian east or west of the prime meridian. Negative (-) data point for N America. Include (-) sign, Ex. -123.234561. For point sources this represents the center of the source; for fugitive sources this is the southwest corner if the fugitive angle is zero, or the western most corner if the fugitive angle is greater than zero
Longitude (decimal degrees) Revised	Enter revised longitude here
MACT Code	Code assigned to Maximum Achievable Control Technology regulated sources. Identifies one or more similar processes that cause hazardous air pollutant emissions that are subject to a MACT determination
MACT Code Revised	Enter revised MACT code here
MACT Source Category	Descriptive text associated with MACT code
MACT Flag	Describes how MACT Code was assigned. Codes are as follows: - INDUSTRY-BASED – MACT Code assigned by industry (emissions data provided by industry) - SPPD-BASED – MACT Code assigned by U.S. EPA Sector Policies and Program Division (SPPD) (emissions data usually provided by SPPD) - FACILLIST-* MACT code assigned to facilities listed on MACT category lists compiled by EPA (emissions data provided by various sources) - NAICS-DEFAULT – MACT Code assigned based on NAICS code - SCC-DEFAULT – MACT Code assigned based on SCC - SIC-DEFAULT – MACT Code assigned based on SIC code - STATE-BASED – MACT Code assigned by state agency
NAICS Code	North American Industry Classification Code. An industry classification system, NAICS is erected on a production-oriented conceptual framework that groups establishments into industries according to similarity in the process used to produce goods or services
NEI Site ID	Unique identifier assigned by EPA to NEI Facility
North American Datum	North American Datum (NAD) for longitude and latitude coordinates (NAD27 or NAD83). If left blank NAD83 is assumed
Pollutant_Code_Desc	Descriptive text associated with pollutant code
Pollutant Code	Code assigned by EPA to individual pollutants. All codes are defined in lookup tables at http://www.epa.gov/ttn/chief/net/2005inventory.html
Pollutant Code Revised	Enter revised pollutant code here
Process ID	Unique ID reported consistently over time by state/local/ tribal agency

Data Element	Definition
SCC	Source Classification Code. All codes are defined in lookup tables at http://www.epa.gov/ttn/chief/net/2005inventory.html
SCC Description	Descriptive text associated with SCC code
SCC Revised	Enter revised SCC code here
SIC Code	Standard Industrial Classification code. The Standard Industrial Classification (abbreviated 'SIC') was a United States government system for classifying industries by a four-digit code. Established in the 1930s, it is being supplanted by the six-digit NAICS
SIC Code Description	Descriptive text associated with SIC code
SPPD Facility Identifier	The unique ID number used by the EPA Sector Policies and Programs Division (SPPD) to identify a facility
Stack Default Flag	The stack default code is a 5-digit code that indicates if and how the stack parameters were defaulted. Each digit represents a stack parameter in the following order: stack height, exit gas temperature, stack diameter, exit gas velocity, and exit gas flowrate. The individual digits in the string indicate the source of the defaulted parameters: 0= Original Value, 1 = SCC Default, 2 = SIC Default, 3 = National Default, 4 = Calculated Value, 5 = MACT Default, 6 = State Revision, 8 = CAMD Value. Thus, 22222 means all 5 parameters were defaulted using SIC Default List
Stack Default Flag Description	Descriptive text associated with stack default flag
Stack Diameter	The diameter (in feet) of a stack
Stack Diameter (ft) Revised	Enter revised stack diameter here
Stack Height	The height (in feet) of a stack
Stack Height (ft) Revised	Enter revised stack height here
Start Date	Start date of the period in which reported emissions occur, e.g., 20080101 = January 1, 2008
Start Date Revised	Enter revised start date here
State	State where MACT facility is located
State Abbreviation	Two-character alphabetical code for state
State County FIPs	5 digit code assigned to state and county. All codes are defined in lookup tables at http://www.epa.gov/ttn/chief/net/2005inventory.html
State Revised	Enter revised state here
Tribal Code	Code that represents American Indian tribes and Alaskan Native entities. All codes are defined in lookup tables at http://www.epa.gov/ttn/chief/net/2005inventory.html
Tribal Code Revised	Enter revised tribal code here
Tribe Name	Tribal name
Year Closed	Indicate the year closed if the facility is no longer in operation (permanently closed)
Zip Code	Zip code for the MACT facility
Zip Code Revised	Enter revised Zip code here