BART-Eligible Unit Spreadsheet Instructions

Each numbered line represents a column in the spreadsheet.

1. BART Source Category Number

Use the same numbers as assigned under Step 1 of the BART Request For Information.

2. MPCA Facility ID

Fill in your Air Quality Facility ID Number. This is the first eight digits of the permit number for all new permits issued under the new operating permit program.

3. Facility Name

Enter your facility name.

4. Address

Fill in the facility's street address.

5. City

Fill in the city where the facility is located.

6. Facility Location Easting (UTM) {X Coordinate}

Provide the location of the front door of the facility where the BART eligible source(s) operate. Do not provide the location of the facility mailing address if the BART eligible source is not located on that property. This is the value for the X coordinate (easting) in UTM extended Zone 15, NAD83, meters. The number of significant digits provided in the coordinate value is NOT an indication of the positional accuracy of the coordinate. Convert UTM coordinates outside Zone 15 to extended Zone 15 with a program developed by the Minnesota Department of Transportation (MNCON) at the following URL: http://rocky.dot.state.mn.us/Inside_LM/LIS/MnCON/mncon.html This program is free and easy to install. An example: Convert UTM Zone 14 NAD83 to Universal Transverse Mercator 15E NAD83. For Minnesota, the X coordinate will range from roughly 180,000 to 770,000.

7. Facility Location Northing (UTM) {Y Coordinate}

Provide the location of the front door of the facility where the BART eligible source(s) operate. Do not provide the location of the facility mailing address if the BART eligible source is not located on that property. This is the value for the Y coordinate (northing) in UTM extended Zone 15, NAD83, meters. The number of significant digits provided in the coordinate value is NOT an indication of the positional accuracy of the coordinate. For Minnesota, the Y coordinate will range from roughly 4,800,000 to 5,500,000.

8. Principal SIC

Fill in the primary 4-digit SIC code(s) for the facility.

9. Principal NAICS

Fill in the primary six digit NAICS Code and description for the facility. Additional information may be obtained at http://www.naics.com/ or http://www.census.gov/epcd/www/naics.html .

10. Emission Unit ID

Fill in the emission unit ID for each BART-eligible emissions unit at your facility. This is the ID number you assign to each emission unit using a simple EU001, EU002, EU003,... numbering system. Use the same emission unit ID numbers used for Emission Inventory purposes.

11. (Emission) Unit Description

Provide a description sufficient to identify this emission unit at the facility, for example, "North Boiler", "Heatset Web Press."

12. Maximum Heat Input (MM BTU/hr)

For fuel-burning emission units only, provide the maximum fuel use in millions of BTU per hour. You may take federally and/or state enforceable limits into account in determining the maximum heat input.

13. NO_x Limited Potential Emissions (tpy)

See "Columns 13,15,17" below

14. NO_x Max. 24-hr Actual Emissions (lb/day)

See"Columns 14,16,18 and 19" below.

15. SO_2 Limited Potential Emissions (tpy)

See "Columns 13,15,17" below.

16. SO_2 Max. 24-hr Actual Emissions (lb/day)

See"Columns 14,16,18 and 19" below.

17. PM_{10} Limited Potential Emissions (tpy)

See "Columns 13,15,17" below.

18. PM_{10} Max. 24-hr Actual Emissions (lb/day)

See"Columns 14,16,18 and 19" below.

19. $PM_{2.5}$ Max. 24-hr Actual Emissions (lb/day)

See"Columns 14,16,18 and 19" below.

Columns 13, 15, 17: For Limited Potential Emissions, fill in the maximum emissions allowed from the unit under the facility's Title V permit. This is the maximum capacity of the emission unit to emit a pollutant under its physical and operational design. Any physical or operational limitation on the capacity of the source to emit a pollutant including air pollution control equipment and restrictions on hours of operation or on the type or amount of material combusted, stored, or processed, shall be treated as part of its design if the limitation or the effect it would have on the emissions is federally enforceable. This information is requested to verify the BART-eligible status of the unit.

Columns 14, 16, 18 and 19: For Maximum 24-hr Actual Emissions, fill in the maximum actual pounds of emissions that the unit emits during a 24 hour period reflecting steady-state operating conditions during periods of high capacity utilization. Recent performance test data may be useful in establishing these values. This emission rate should not reflect

periods of start-up, shutdown, and malfunction. This information will be used by MPCA to model source contribution to visibility impairment.

If you do not have 24-hour actual emissions data for $PM_{2.5}$ (column 19), you may leave it blank and MPCA staff will estimate this value based on the PM_{10} emissions rate in column 18.

20. Commence Construction Date

Provide the date on which installation of the unit started at the source. If unknown, provide your best estimate of the year construction commenced.

21. Initial Startup Date

Provide the date on which operation of the emission unit started.

22. Stack No.

Provide the sequential ID numbers of the stacks and vents associated with each BART-eligible emission unit. These must be the same ID numbers used for Emissions Inventory purposes. The stack number is six characters. The last character is the letter "M" for main stack, "B" for bypass stack, "P" for parallel stack, or "O" for other.
Examples: "SV001M" SV002B"

23. Stack Description

Provide a brief description of the function of the stack or vent, within a maximum 50 characters. (For example, “boiler exhaust” or “dryer emissions exhaust.”)

24. Height of opening from ground (ft)

The height from the nearest ground level to the top of the stack expressed in feet, using a maximum of four characters (i.e. 0 – 1000 feet).

25. Diameter or Length (ft)

The inside dimension(s) of the stack at the exit. Provide the inside diameter in feet for a round stack opening, or the length of one side in feet for a rectangular opening. If entering the side of a square or rectangular opening, the second side should be entered in the next column “Width(ft)”.

26. Width (ft)

The inside dimension of the stack at the exit. The width (second side) in feet for a rectangular opening. This column should be left blank if this stack has a circular exit diameter.

27. Flow Rate at Exit (acfm)

The flow rate, in actual cubic feet per minute, at the stack exit based on the emission unit(s) operating at high capacity utilitzation. Data from the most recent performance test is preferred if it meets this criteria. If performance test data is not available, use the manufacturer’s design flow rate. The source of the flow rate must be the same as for the Exit Gas Temperature. For example, if the manufacturer supplies the flow rate, they should also provide the exit temperature.

28. Exit Gas Temperature (F)

The temperature in degrees Fahrenheit corresponding to the flow rate of the stack. The source of the exit temperature must be the same as for the Flow Rate at Exit.

29. Discharge Direction

Provide the direction of flow of the gases exiting the stack or vent using the following codes:

U - gases exit upwards (with no cap on stack/vent)
C - gases exit upwards (with a cap on stack/vent)
D - gases exit downward
H - gases exit horizontally

30. Base Elevation of Ground (ft)

The measured value of elevation (i.e. altitude), in feet, above sea level.

31. Location Easting (UTM) {X Coordinate}

For each stack, the value for the X coordinate (easting) in UTM extended Zone 15, NAD83, meters. The number of significant digits provided in the coordinate value is NOT an indication of the positional accuracy of the coordinate. Convert UTM coordinates outside Zone 15 to extended Zone 15 with a program developed by the Minnesota Department of Transportation (MNCON) at the following URL: http://rocky.dot.state.mn.us/Inside_LM/LIS/MnCON/mncon.html This program is free and easy to install. An example: Convert UTM Zone 14 NAD83 to Universal Transverse Mercator 15E NAD83. For Minnesota, the X coordinate will range from roughly 180,000 to 770,000.

32. Location Northing (UTM) {Y Coordinate}

For each stack, the value for the Y coordinate (northing) in UTM extended Zone 15, NAD83, meters. The number of significant digits provided in the coordinate value is NOT an indication of the positional accuracy of the coordinate. For Minnesota, the Y coordinate will range from roughly 4,800,000 to 5,500,000.

NOTE: Columns 33-42 are optional. The MPCA will use this information in preliminary assessments to evaluate whether application of BART will result in any further emissions reductions. For example, if the BART-eligible emissions unit is already subject to a recent BACT limit for NOx, SO2, and PM, then it is unlikely that further controls would be required under BART.

33. Control Equipment

If emissions from the BART-eligible unit, enter a control device, fill in the three digit code designating the type of control equipment. For example, the three digit code for a fabric filter (low temperature) is 018. These are the same codes used for emission inventory and permit application purposes. Go to form GI-05A for a list of the control equipment numeric codes: http://www.pca.state.mn.us/publications/forms/aq-f1-gi05a.doc If the emission unit exhausts to more than one control device, list that control device number on the next line. Do NOT enter the facility-specific control equipment identification codes.

34. Control Equipment Year of Installation

Enter the approximate year that the control equipment device was installed.

35. BACT Limit?

If the BART-eligible emission unit was evaluated as part of a New Source Review permit and a Best Available Control Technology (BACT) limit was established, enter "Yes" , otherwise enter "No".

36. Pollutants Limited by BACT

If you answered "Yes" to column 35, then enter the pollutants for which a BACT limit was established. If you answered "No" to column 35, leave this column blank.

37. MACT Limit?

If the BART-eligible emission unit is subject to or will be subject to a Maximum Achievable Control Technology (MACT) limit under the federal National Emissions Standards for Hazardous Air Pollutants program, then enter "Yes". Otherwise, enter "No".

38. Pollutants Limited by MACT

If you answered "Yes" to column 37, then enter the pollutants for which a MACT limit applies. If you answered "No" to column 37, leave this column blank.

39. NSPS Limit?

If the BART-eligible emission unit is subject to a New Source Performance Standard (NSPS), then enter "Yes". Otherwise, enter "No".

40. Pollutants Limited under NSPS

If you answered "Yes" to column 39, then enter the pollutants for which an NSPS limit applies. If you answered "No" to column 39, leave this column blank.

41. Visibility Modeling Performed?

If visibility modeling was performed that included emissions from the BART-eligible emission unit, enter "Yes". Otherwise, enter "No".

42. Comments

If there are specific comments you would like to add about any of the information provided for this emission unit, please do so in this column.

If you have questions about these instructions, please contact:

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