



MONITORING PLAN

for Continuous Opacity Monitors (COMS) and Continuous Emission Monitors (CEMS)
Required by 1994 PA 451, as amended of the Natural Resources and Environmental Protection Act

NOTE: This monitoring plan is provided as a courtesy for businesses by the Michigan Department of Environment, Great Lakes, and Energy (EGLE), Air Quality Division, Compliance and Support Unit. A monitoring plan must be submitted to the department at least 30 days prior to source installation at a facility. Monitoring plans submitted to EGLE should contain, but are not limited to, the following requirements. **Businesses are not required to use this monitoring plan format.**

Please print or type all information.

1. COMPLETE THIS SECTION FOR EACH SOURCE REQUIRING CERTIFICATION.			
OWNER/OPERATOR NAME AND TITLE		PLANT NAME	
STREET ADDRESS		PLANT TELEPHONE AREA CODE & NUMBER	
CITY	STATE	ZIP CODE	PLANT CONTACT NAME AND TITLE
PLANT STREET ADDRESS (if different than Owner/Operator's)		CITY	STATE
MDEQ-AQD PERMIT NUMBER		ZIP CODE	

2. GENERAL DESCRIPTION OF THE PROCESS(ES) AND POLLUTION CONTROL EQUIPMENT

3. VERIFICATION OF MONITOR LOCATION AND ACCESSIBILITY		
A. INCLUDE A DIAGRAM SHOWING THE SAMPLE ACQUISITION POINTS OR PATHS IN RELATION TO:	CHECKLIST	()
1. FLOW DISTURBANCES (FANS, ELBOWS, INLETS, OUTLETS, ETC.)	INCLUDED?	
2. POLLUTION CONTROL EQUIPMENT	INCLUDED?	
3. EMISSION POINT OF MONITORED GASES TO THE ATMOSPHERE	INCLUDED?	
4. FLUE WALLS AT THE SAMPLE ACQUISITION LOCATION	INCLUDED?	
B. TEST DATA (IF NECESSARY)	ATTACHED?	
C. EXPLANATION FOR CHOICE OF LOCATION (ATTACH ADDITIONAL PAGES AS NEEDED):	DEVIATION FROM LOCATION CRITERIA	

40 CFR 60, APPENDIX B, PS(1), SECTION 4 & PS (2), SECTION 3

4. TYPE OF POLLUTANT(S) AND/OR PARAMETER(S) TO BE MONITORED			
EXAMPLE: SO ₂			

5. WHAT ARE THE OPERATING PRINCIPLES OF THE ANALYZERS (i.e., measures wet/dry, chemilluminescence, infra-red, etc.)

6. LIST THE TYPE, MANUFACTURER, MODEL, AND SERIAL NUMBER(S) OF THE MONITORING EQUIPMENT		
MONITORING EQUIPMENT TYPE (SO ₂ , NO _x , ETC.)	EQUIPMENT MANUFACTURER	MODEL NUMBER(S)

7. TYPE OF MONITORING PROBE (EXTRACTIVE, DILUTION, ETC.)			

8. MONITORED POLLUTANT	EQUIPMENT SPECIFICATIONS OF MONITORS	APPLICABLE PERFORMANCE SPECIFICATION (PS) 40 CFR 60, APPENDIX B

9. MONITORING EQUIPMENT	FORMULAS (INCLUDING ANY FACTORS USED TO CALCULATE EMISSIONS IN THE UNITS OF THE APPLICABLE STANDARD)	SPAN VALUES OF ALL POLLUTANT MONITORS	INSTRUMENT RANGES

10. MONITORING EQUIPMENT	PROPOSED DAILY CALIBRATION GAS VALUE	PROPOSED DAILY CALIBRATION ERROR VALUE	PROPOSED CYLINDER GAS AUDIT VALUES

11. MONITORING EQUIPMENT	DATA ACQUISITION SYSTEM/DATA RECORDER RESOLUTION

12. Print or type the name and title of the Responsible Official for the plant:

(Name)

(Title)

A Responsible Official can be:

- The president, vice-president, secretary, or treasurer of the company who owns the plant;
- The owner of the plant;
- The plant engineer or supervisor;
- A government official if the plant is owned by the Federal, State, City, or County government; or
- A ranking military officer if the plant is located on a military base.

I Certify The Information Contained In This Report To Be Accurate, Complete, And True To The Best Of My Knowledge.

(Signature of Responsible Official)

(Date)

Please submit this Monitoring Plan at least thirty days prior to installation of all gaseous, opacity, and process parameter monitors to both the AQD's Compliance Support Unit (listed below) and the appropriate AQD District Office (see attachment):

CEM COORDINATOR
 COMPLIANCE SUPPORT UNIT
 AIR QUALITY DIVISION
 MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY
 PO BOX 30260
 LANSING, MICHIGAN 48909-7760

Air Quality Division District Office Contact Information

Bay City District

(Central East Michigan)
401 Ketchum Street, Suite B
Bay City, MI 48708-5430
989-894-6200 Fax: 989-891-9237

Counties: Arenac, Bay, Clare, Gladwin, Huron, Iosco, Isabella, Midland, Ogemaw, Saginaw, Sanilac, and Tuscola

Cadillac District

(Northwest Lower Peninsula)
120 West Chapin Street
Cadillac, MI 49601-2158
231-775-3960 Fax: 231-775-4050

Counties: Benzie, Grand Traverse, Kalkaska, Lake, Leelanau, Manistee, Mason, Missaukee, Osceola, and Wexford

Detroit District

(Wayne County)
Cadillac Place
3058 West Grand Boulevard, Suite 2-300
Detroit, MI 48202-6058
313-456-4700 Fax: 313-456-4692

County: Wayne

Gaylord District

(Northeast Lower Peninsula)
2100 West M-32
Gaylord, MI 49735-9282
989-731-4920 Fax: 989-731-6181

Counties: Alcona, Alpena, Antrim, Charlevoix, Cheboygan, Crawford, Emmet, Montmorency, Oscoda, Otsego, Presque Isle, and Roscommon

Grand Rapids District

(Central West Michigan)
350 Ottawa Avenue NW, Unit 10
Grand Rapids, MI 49503-2316
616-356-0500 Fax: 616-356-0201

Counties: Barry, Ionia, Kent, Mecosta, Montcalm, Muskegon, Newaygo, Oceana, and Ottawa

Jackson District

(South Central Michigan)
State Office Building, 4th Floor
301 East Louis Glick Highway
Jackson, MI 49201-1535
517-780-7690 Fax: 517-780-7855

Counties: Hillsdale, Jackson, Lenawee, Monroe, and Washtenaw

Kalamazoo District

(Southwest Michigan)
7953 Adobe Road
Kalamazoo, MI 49009-5026
269-567-3500 Fax: 269-567-3555

Counties: Allegan, Berrien, Branch, Calhoun, Cass, Kalamazoo, St. Joseph, and Van Buren

Lansing District

(Central Michigan)
P.O. Box 30242
Lansing, MI 48909-7742
517-284-6651 Fax: 517-241-3571

Counties: Clinton, Eaton, Genesee, Gratiot, Ingham, Lapeer, Livingston, and Shiawassee

Marquette District

(Entire Upper Peninsula)
1504 West Washington Street
Marquette, MI 49855-3118
906-228-4853 Fax: 906-228-4940

Counties: All counties in the Upper Peninsula

Warren District

(Southeast Michigan)
27700 Donald Court
Warren, MI 48092-2793
586-753-3700 Fax: 586-753-3731

Counties: Macomb, Oakland, and St. Clair