

3745-17-14 Contingency plan requirements for Cuyahoga and Jefferson counties.

(A) By not later than April 1, 1992, the owner or operator of each facility identified below shall submit to the Ohio Environmental Protection Agency approvable control strategies and compliance schedules which meet the following requirements:

(1) The control strategies shall be capable of reducing the particulate emissions from each of the facilities identified below by each of the two levels specified below for each facility:

| <u>Facility Name</u><br>(premise number)                            | <u>Total, required particulate emission reductions for the facility (in pounds per hour at the maximum operating rates)</u> |                                            |
|---------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|
|                                                                     | <u>Fifteen percent reduction level</u>                                                                                      | <u>Twenty-five percent reduction level</u> |
| <del>Boyas Excavating, Incorporated<br/>(1318006023)</del>          | 20                                                                                                                          | 33                                         |
| <del>Boyas Excavating, Incorporated<br/>(1318007300)</del>          | 8.9                                                                                                                         | 11                                         |
| <del>Boyas Excavating, Incorporated<br/>(1318576031)</del>          | 3.1                                                                                                                         | 4                                          |
| <del>Cleveland Builders Supply, Incorporated<br/>(1318122676)</del> | 2.7                                                                                                                         | 4                                          |
| <del>Cuyahoga Foundry Company<br/>(1318171954)</del>                | 9.1                                                                                                                         | 15                                         |
| Ford Motor Company<br>(1318120180)                                  | 5.7                                                                                                                         | 9.5                                        |
| Harval, Incorporated<br>(1318005960)                                | 1.1                                                                                                                         | 1.8                                        |

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|------------------------------------------------------------------------|---------------------------|---------------------------|
| UNITED READY MIX<br>(1318005960)                                       | <u>1.1</u>                | <u>1.1</u>                |
| <del>Independence Excavating,<br/>Incorporated<br/>(1318225730)</del>  | <del>3.8</del>            | <del>6.3</del>            |
| International Mill<br>Service, Incorporated<br>(1741090068)            | <del>5.0</del> <u>0.8</u> | <del>8.3</del> <u>0.8</u> |
| <del>Lake Erie Asphalt<br/>Products Company<br/>(1318220278)</del>     | <del>4.4</del>            | <del>7.3</del>            |
| LTV Steel Company<br>(1318000078)                                      | 4.2                       | 7.0                       |
| LTV Steel Company<br>(1318001613)                                      | 6.4                       | 11                        |
| Luria Brothers<br>(1318122776)                                         | 4.6                       | <del>7.7</del> <u>6.7</u> |
| <del>Ohio Aluminum<br/>Industries, Incorporated<br/>(1318226416)</del> | <del>2.6</del>            | <del>4.4</del>            |
| <del>Satralloy, Incorporated<br/>(1741000060)</del>                    | <del>2.3</del>            | <del>3.8</del>            |
| <del>Schloss Paving Company<br/>(1318224741)</del>                     | <del>9.6</del>            | <del>16</del>             |
| <del>Standard Slag Company<br/>(1318002662)</del>                      | <del>14</del>             | <del>23</del>             |
| <del>Standard Slag Company<br/>(1741090080)</del>                      | <del>20</del>             | <del>34</del>             |
| <del>Stein, Incorporated<br/>(1318005076)</del>                        | <del>3.2</del>            | <del>5.4</del>            |
| T & B Foundry Company<br>(1318000504)                                  | 1.7                       | 2.8                       |
| <del>Wheeling Pittsburgh<br/>Steel Corporation<br/>(1741090010)</del>  | <del>23</del>             | <del>38</del>             |

~~Wheeling-Pittsburgh~~ 4.2 7.0  
~~Steel Corporation~~  
~~(1741150011)~~

- (2) Except as otherwise provided in this paragraph, the particulate emission reductions specified in paragraph (A)(1) of this rule shall be obtained from the sources identified for each affected facility in rules 3745-17-12 and 3745-17-13 of the Administrative Code. If the required reductions cannot reasonably be obtained from those sources, control strategies may be developed for other sources at the facility in order to meet the required reductions for the facility.
- (3) In calculating the control strategy, hourly particulate emission rate for a source, the maximum operating rate for the source shall be used. In addition, for a source identified in rule 3745-17-12 or 3745-17-13 of the Administrative Code, the baseline, hourly particulate emission rate shall be based upon the allowable emission rate specified in those rules and the maximum operating rate; and the control strategy must be designed to reduce the particulate emissions below that baseline, hourly particulate emission rate. For a source which is not identified in rule 3745-17-12 or 3745-17-13 of the Administrative Code, the baseline, hourly particulate emission rate shall be based upon the actual or allowable emission rate, whichever is lower, and the maximum operating rate; and the control strategy must be designed to reduce the particulate emissions below that baseline, hourly particulate emission rate.
- (4) The following information shall be submitted for each source for which a control strategy is developed:
- (a) A description of the source and the existing control equipment and/or control measures;
  - (b) The Ohio environmental protection agency application number;
  - (c) The hourly, baseline particulate emission

rate, and the assumptions and calculations which were used to derive the emission rate;

- (d) A description of the type of control equipment and/or control measures which will be employed to reduce the hourly emission rate, including the general design specifications and/or operating parameters;
  - (e) The hourly particulate emission rate that will be achieved by employing the proposed control equipment and/or control measures, and the assumptions and calculations which were used to derive the emission rate; and
  - (f) The approximate total installed cost and annual operating cost for the proposed control equipment and/or control measures, and the assumptions and calculations which were used to derive the costs.
- (5) The schedule for implementing each control strategy shall commence upon a formal determination and notification by the Ohio environmental protection agency or the U.S. environmental protection agency that the county where the facility is located is not in compliance with the ambient air quality standards for total suspended particulates, as specified in rule 3745-17-02 of the Administrative Code. The schedule shall include dates for the following milestones:
- (a) Award contracts for emission control systems or process modifications, or issue orders for the purchase of component parts to accomplish emission control or process modification.
  - (b) Initiate on-site construction or installation of emission control equipment or process change.
  - (c) Complete on-site construction or installation of emission control equipment or process change.
  - (d) Achieve final compliance.

The owner or operator shall demonstrate to the

satisfaction of the director that the schedule is as expeditious as practicable.

- (B) The control strategies and compliance schedules submitted in accordance with paragraph (A) of this rule shall be approved by the director through the issuance, pursuant to division (R) of section 3704.03 of the Ohio Revised Code, of administrative findings and orders. The findings and orders shall be submitted to and approved by the U.S. environmental protection agency as a revision to the Ohio state implementation plan for particulates.
- (C) Upon a formal determination and notification by the Ohio environmental protection agency or the U.S. environmental protection agency that Cuyahoga county or Jefferson county is not in compliance with the ambient air quality standards for total suspended particulates, as specified in rule 3745-17-02 of the Administrative Code, the owner or operator of each facility identified in paragraph (A)(1) of this rule shall implement the control strategies and schedules which have been approved by the director. (Such formal determination and notification of nonattainment shall not occur prior to January 1, 1994.) If the determination and notification of nonattainment are based upon an annual average ambient air concentration of total suspended particulates of greater than fifty micrograms per cubic meter and less than or equal to fifty-seven and one half micrograms per cubic meter, and/or are based upon a twenty-four-hour average ambient air concentration of total suspended particulates of greater than one hundred fifty micrograms per cubic meter and less than or equal to one hundred seventy-two and one half micrograms per cubic meter, the owner or operator of each affected facility shall implement the set of approved control strategies and compliance schedules which are designed to reduce the hourly particulate emission rate by fifteen per cent or more. If the determination and notification of nonattainment are based upon an annual average ambient air concentration of total suspended particulates of greater than fifty-seven and one half micrograms per cubic meter, and/or are based upon a twenty-four-hour average ambient air concentration of total suspended particulates of greater than one hundred seventy-two and one half micrograms per cubic meter, the owner or operator of each affected facility shall implement the approved control strategies and compliance schedules which are



Ohio EPA Guideline On Registration Status  
For Sources Governed by Regulation 3745-17

This guideline is to be employed by local agency and district office personnel in their decisions on which sources of air pollution are to be placed and/or maintained in registration status under Ohio EPA Regulation 3745-35-05(F). Sources not in registration are required to have a permit to operate or a variance, whichever is appropriate.

In general, any air pollution source governed solely by Regulation 3745-17 and which has a maximum potential year emission less than:

- a) 25 tons of sulfur dioxide, and
- b) 25 tons of particulate matter

and which is not currently violating an emission limitation or regulation is eligible for registration status. Such sources usually include gas/oil fuel burning equipment, commercial incinerators, and certain process equipment. A source currently in non-compliance with any regulation or order of the Ohio EPA is not eligible for registration status.

Sources meeting the above registration criteria may still be required to apply for and obtain a permit to operate or a variance if the source

- a) has violated an emission limitation or regulation, or
- b) may violate an emission limitation or regulation.

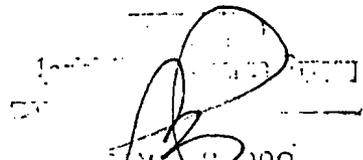
In this way sources eligible for registration, yet found or suspected to be in violation of a regulation, can be routinely and systematically enforced through the air permit to operate or variance procedures. Such sources usually have a history of citizen complaints, visible emission violations or other violations requiring enforcement actions. Many are operating under special terms and conditions designed to reduce the source's potential to violate.

Any source included in a facility's emergency action plan should not be placed and/or maintained in registration status. Thus, planned emission reductions for air pollution episodes can be fully enforced.

Determination of Maximum Potential Yearly Emission

A source's maximum potential yearly emission (MPYE) of particulate matter and sulfur dioxide is determined upon consideration and use of the following:

- a) Type of source and capacity.
- b) Source's annual operation (e.g. annual production, fuel consumption, incineration, etc.)
- c) Source's fuel analysis (if a source's fuel analysis is not readily available the following fuel characteristics are to be assumed:
  - i) Coal: 3% sulfur, 10% ash, and a 12,000 BTU per pound heat content.
  - ii) Distillate Oil: 0.2% sulfur and a 140,000 BTU per gallon heat content.
  - iii) Residual Oil: 1.0% sulfur and a 150,000 BTU per gallon heat content.)

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- d) Emission factors relating production, fuel use, or solid waste disposal to potential (uncontrolled) emissions. (For emission factors employ actual source tests, AP-42: "Compilation of Air Pollutant Emission Factors" other qualified references on source emissions).
- e) A 25% margin to allow for possible increases in yearly production or yearly fuel consumption, for possible increases in the sulfur or ash content of the fuel and for errors inherent in the use of average emission factors.

The following are typical formulas for calculation of MPYE:

$$\text{MPYE} = (\text{Annual Production}) (\text{Emission Factor}) (1.25)$$

$$\text{MPYE} = (\text{Annual Fuel Use}) (\text{Emission Factor}) (1.25)$$