

1 **REGULATION 1.06 Stationary Source Self-Monitoring, Emissions Inventory Development,**
2 **and Reporting**

3 **Air Pollution Control District of Jefferson County**
4 **Jefferson County, Kentucky**

5 **Relates To:** KRS Chapter 77 Air Pollution Control

6 **Pursuant To:** KRS Chapter 77 Air Pollution Control

7 **Necessity And Function:** KRS 77.180 ~~authorizes provides that~~ the Air Pollution Control Board to
8 ~~adopt may make~~ and enforce all ~~needful~~ orders, rules, and regulations necessary or proper to
9 accomplish the purposes of KRS Chapter 77. This regulation establishes the conditions for
10 ~~stationary~~ source self monitoring, ~~emissions inventory development~~, and reporting.

11 **SECTION 1 In-Stack Self-Monitoring and Reporting**

12 The District may require the owner or operator of a ~~any process or process equipment affected~~
13 ~~facility~~ to install, operate, and maintain stack gas measuring, ~~and/or~~ emission monitoring, and
14 ~~parametric monitoring~~ equipment ~~in accordance with such requirements as specified in these~~
15 ~~regulations~~. For cause, including, but not limited to, ~~In selected instances, primarily involving~~ the
16 incineration of hazardous or infectious waste ~~or and~~ repeated or on-going violations, ~~the District such~~
17 ~~requirement~~ may also require ~~include~~ data storage and transmission equipment and lines. The owner
18 or operator of a process or process equipment that is required to install, operate, and maintain this
19 measuring or monitoring equipment shall maintain records of monitoring data and make periodic
20 reports of ~~these such~~ data in a ~~such~~ form, units, and at the ~~such~~ time intervals required by ~~which~~ the
21 District ~~may prescribe~~. Requirements for specific affected facilities are contained in the applicable
22 regulations. The District, for cause, may require ~~additional or more stringent specific~~ requirements
23 for an individual ~~affected~~ facility than ~~those~~ required in the regulations ~~otherwise~~ applicable to ~~that~~
24 ~~affected such~~ facility.

25 **SECTION 2 Ambient Air Monitoring**

26 The District may require the owner or operator of a ~~process or process equipment any affected~~
27 ~~facility~~ to install, operate, and maintain ambient air monitoring equipment in accordance with
28 methods prescribed by the District, and in ~~the such~~ number and frequency as prescribed by the
29 District, and to make periodic ambient air monitoring reports at intervals as prescribed by the
30 District.

31 **SECTION 3 Emissions and Related Data Reporting**

32 3.1 The owner or operator of a ~~any stationary~~ source ~~described in section 3.2~~ shall submit an
33 ~~annual~~ emissions statements for particulate matter, sulfur dioxide, carbon monoxide, nitrogen
34 dioxide, ozone precursor emissions of volatile organic compounds and oxides of nitrogen,
35 lead, ammonia, and all hazardous air pollutants as listed in Regulation 5.14 *Hazardous Air*
36 *Pollutants and Source Categories* to the District as follows: ~~on or before April 15th of each~~
37 ~~year for the previous calendar year of operation~~.

38 3.1.1 Each year, on or before April 15th of the year, for the previous calendar year of operation,
39 for a stationary source subject to Regulation 2.16 *Title V Operating Permits* (Group 1
40 stationary source),

- 41 3.1.2 Each year, on or before April 15th of the year, for the previous calendar year of operation,
 42 for either of the following (Group 2 stationary source):
- 43 3.1.2.1 A stationary source that applied for an operating permit pursuant to Regulation 2.17
 44 *Federally Enforceable District Origin Operating Permits*, or
- 45 3.1.2.2 A stationary source that is subject to the permit requirements of Regulation 2.03
 46 section 1.1 or 1.2 but is not included in section 3.1.1, 3.1.2.1, 3.2, 3.3, or 3.4 of this
 47 regulation, each year, on or before April 15th of the year, for the previous calendar
 48 year of operation, if the actual emissions from the stationary source are 25 or more
 49 tons per year individually of sulfur dioxide, particulate matter, volatile organic
 50 compounds, or oxides of nitrogen, and
- 51 3.1.3 Beginning April 15, 2006, and every third year thereafter, on or before April 15th of the
 52 year, for the previous calendar year of operation, for a stationary source that is subject
 53 to the permit requirements of Regulation 2.03 section 1.1 or 1.2 but is not included in
 54 section 3.1.1, 3.1.2, 3.2, 3.3, or 3.4 of this regulation (Group 3 stationary source), unless
 55 the District has notified the owner or operator of the stationary source in writing that an
 56 emissions statement is required every year.
- 57 3.2 Beginning April 15, 2005, the owner or operator of a gasoline dispensing facility subject to
 58 the provisions of Regulation 6.40 *Standards of Performance for Gasoline Transfer to Motor*
 59 *Vehicles (Stage II Vapor Recovery and Control)*, which does not include the initial transfer
 60 of gasoline into the fuel tanks of new motor vehicles at an automobile or truck assembly
 61 plant, shall submit to the District, on or before April 15th of the year, the gasoline throughput,
 62 by grade, by month, for the previous calendar year of operation. In addition, beginning
 63 April 15, 2006, and every third year thereafter, the owner or operator shall submit to the
 64 District, on or before April 15th of the year, the amount, by type, in gallons per year, of cold
 65 cleaner material used for the previous calendar year.
- 66 3.3 Beginning July 15, 2006, and every third year thereafter, the owner or operator of a stationary
 67 source that is subject to the provisions of Regulation 6.44 *Standards of Performance For*
 68 *Existing Commercial Motor Vehicle And Mobile Equipment Refinishing Operations* or
 69 Regulation 7.79 *Standards of Performance For New Commercial Motor Vehicle And Mobile*
 70 *Equipment Refinishing Operations* and is not a stationary source described in either section
 71 3.1.1 or 3.1.2 shall submit to the District, on or before July 15th of the year, the amount, in
 72 gallons, of coating and solvent, by type, used each month for the previous calendar year.
- 73 3.4 Beginning April 15, 2006, and every third year thereafter, the owner or operator of a
 74 stationary source that is subject to the provisions of Regulation 5.02 *Adoption of National*
 75 *Emission Standards for Hazardous Air Pollutants* section 3.12 *National Perchloroethylene*
 76 *Air Emission Standards for Dry Cleaning Facilities* and is not a stationary source described
 77 in either section 3.1.1 or 3.1.2 shall submit to the District, on or before April 15th of the year,
 78 the perchloroethylene usage, by month, for the previous calendar year.
- 79 3.54 The District may require the owner or operator of any stationary source ~~not subject to section~~
 80 ~~3.2~~ to submit additional information regarding processes, process equipment, and ~~report~~ the
 81 actual or potential emissions ~~related to any process or process equipment at of the stationary~~
 82 source to the District on forms supplied by the District. The forms shall be ~~certified pursuant~~
 83 ~~to section 3.1.3 and~~ returned to the District by the deadline date stated in the letter of
 84 transmittal with the forms or stated in the forms themselves.
- 85 3.6+1 For purposes of complying with the provisions of this ~~regulation~~ ~~section~~, all emissions shall

~~must~~ be calculated using emission factors from EPA AP 42, other methods defined in the EPA-approved District regulations, stack test or CEMS data, or other procedures defined by the owner or operator ~~that which~~ have been approved in writing by the District. If these other District-approved procedures are used, the District shall provide all documentation on the emissions calculation procedures to ~~the~~ EPA, upon request.

~~3.1~~~~2~~ The emissions ~~data required by sections 3.1 to 3.5 statement~~ shall include the ~~process- or process equipment-specific facility-by-facility~~ calculations used to determine emissions. The raw data used to calculate the emissions shall be retained by the ~~owner or operator of the stationary~~ source for a period of not less than ~~5 two~~ years and shall be made available to the District upon request. ~~Representative Selected~~ portions of the raw data used to calculate the emissions shall be supplied to the District in support of the emissions statement in a format provided by the District.

~~3.2 Sources subject to section 3.1 are:~~

~~3.2.1 Any stationary source that emits 25 tpy or more of any of the following pollutants: sulfur dioxide, particulates, volatile organic compounds, or nitrogen oxides, and~~

~~3.2.2 Any stationary source that emits 10 tpy or more, or a lesser quantity as promulgated by EPA in 40 CFR Part 61, of any HAP listed in the Act Section 112(b), or 25 tpy of any combination of the listed HAPs.~~

~~3.3 Stationary sources subject to sections 3.2.1 or 3.2.2 shall submit their first emissions statement by April 15, 1993 and shall report actual emissions from all facilities within the source during calendar year 1992. A source shall submit emission statements annually thereafter, unless it is no longer subject to section 3.2.~~

~~3.5 Failure to return the requisite data and forms by the date required in section 3.1 shall be prima facie evidence of a violation of this regulation.~~

SECTION 4 Enhanced Emissions Data for Toxic Air Contaminants

4.1 As used in Section 4:

4.1.1 "Category 1 TAC" means a toxic air contaminant (TAC) listed in Regulation 5.23 *Categories of Toxic Air Contaminants* Section 1,

4.1.2 "Category 1A TAC" means a toxic air contaminant listed in Regulation 5.23 Section 2, and

4.1.3 "Uncontrolled emissions" means the maximum amount of an air contaminant that could be emitted from a process or process equipment under its physical and operational design, regardless of any enforceable limitation on the potential to emit of the process or process equipment and the effect of any air pollution control equipment or control equipment that reduces emissions that is vital to production of the normal product or to the normal operation of the process or process equipment.

4.2 The owner or operator of a stationary source shall submit enhanced emissions statements for listed toxic air contaminants (TACs) to the District as follows:

4.2.1 For a stationary source subject to Regulation 2.16 (Group 1 stationary source) the actual and uncontrolled emissions by process or process equipment and the related stack and fugitive emission release parameters listed in section 4.3 as follows:

4.2.1.1 Category 1 TACs Calendar Year 2004 Due 7-15-05, and

4.2.1.2 Categories 1 and 1A TACs Calendar Year 2005 Due 7-15-06, and each year thereafter, and

- 130 4.2.2 For a stationary source that applied for an operating permit pursuant to Regulation 2.17
131 or a stationary source that is described in section 3.1.2.2 (Group 2 stationary source), the
132 following
- 133 4.2.2.1 The actual emissions by process or process equipment as follows:
- 134 4.2.2.1.1 Categories 1 and 1A TACs Calendar Year 2005 Due 7-15-06, and each
135 year thereafter, and
- 136 4.2.2.2 The related stack and fugitive emission release parameters listed in section 4.3 as
137 follows:
- 138 4.2.2.2.1 Categories 1 and 1A TACs Due 7-15-07.
- 139 4.3 The related stack and fugitive emission release parameters are as follows:
- 140 4.3.1 Plot plan, drawn to scale, showing all of the following:
- 141 4.3.1.1 Property line,
142 4.3.1.2 Fences,
143 4.3.1.3 Scale,
144 4.3.1.4 North arrow,
145 4.3.1.5 Buildings and other structures,
146 4.3.1.6 Height of buildings and other structures (if buildings have tiers, profile of building
147 tiers),
148 4.3.1.7 Location of processes and process equipment,
149 4.3.1.8 Location of points of emission, and
150 4.3.1.9 UTM coordinates for corners of property, fences, buildings, and points of emission,
- 151 4.3.2 For each process, all of the following:
- 152 4.3.2.1 The operating schedule in hours per day, days per week, and weeks per year,
153 4.3.2.2 The chemical name for each listed TAC emitted,
154 4.3.2.3 The actual (and, if required, for the first year's emissions inventory submittal and for
155 new or modified processes and process equipment, the uncontrolled) annual, average
156 hourly and daily, and maximum hourly and daily emission rates for each listed TAC,
157 and
- 158 4.3.2.4 For the process emissions:
- 159 4.3.2.4.1 Whether the emission is a stack, fugitive, or area/pit emission,
160 4.3.2.4.2 The percentage of the overall process emissions that are stack, fugitive, or area
161 or pit, and
162 4.3.2.4.3 The amount of emissions for each point of emission for each listed TAC,
- 163 4.3.3 For each stack, all of the following:
- 164 4.3.3.1 Stack height,
165 4.3.3.2 Stack diameter (or dimensions if the stack is not round),
166 4.3.3.3 Exhaust gas temperature at stack exit point,
167 4.3.3.4 Exhaust gas exit velocity, and
168 4.3.3.5 Exhaust gas flow rate in ACFM,
- 169 4.3.4 For fugitive and area or pit emissions, all of the following:
- 170 4.3.4.1 Dimensions of the point of release, and
171 4.3.4.2 Height of the point of release, and
- 172 4.3.5 For flares, all of the following:
- 173 4.3.5.1 Flare tip height,
174 4.3.5.2 Flare input gas stream volumetric flow rate,

- 175 4.3.5.3 Identification of each component of the flare input gas stream, and
176 4.3.5.4 Volumetric fraction for each component of the flare input gas stream.
177 4.4 The uncontrolled emissions for each listed toxic air contaminant, if required, and the related
178 stack and fugitive emission release parameters as required to be submitted pursuant to section
179 4.2 are required to be submitted only once unless there is a change in the information that has
180 been submitted. The current actual annual, average hourly and daily, and maximum hourly
181 and daily emission rates of each listed toxic air contaminant are required to be submitted
182 each year according to the schedule in section 4.2.
183 4.5 If the District determines, based upon the information that the District has, that the
184 concentration of a toxic air contaminant in the ambient air, resulting from the emission by
185 a stationary source that is not required to submit the related stack and fugitive emission
186 release parameters listed in section 4.3, may be greater than the level that would be
187 considered environmentally acceptable pursuant to Regulation 5.21 *Environmental*
188 *Acceptability for Toxic Air Contaminants* section 2.5.2 or 2.5.3, then the District may
189 require the owner or operator of the stationary source to submit the applicable stack and
190 fugitive emission release parameter information. In this case, the District shall provide
191 written notice to the owner or operator of the stationary source, specifying the required
192 information to be submitted and the applicable deadline.
193 4.6 If the District determines that the concentration of a toxic air contaminant in the ambient air
194 is, or may be, greater than the level that would be considered environmentally acceptable
195 pursuant to Regulation 5.21 section 2.8.1 or 2.8.2 and a potentially responsible entity for the
196 emissions of the toxic air contaminant is identified, then the District may require the owner
197 or operator of an identified stationary source to submit the information identified in
198 sections 4.2 and 4.3 of this regulation. If the stationary source is already scheduled to submit
199 the information identified in section 4.2 and 4.3, then the District may require the informatio
200 to be submitted on an accelerated schedule. In either case, the District shall provide written
201 notice to the owner or operator of the stationary source, specifying the required information
202 to be submitted and the applicable deadline.

203 **SECTION 53.1.3 Certification by a Responsible Official**

204 The information submitted to the District pursuant to this regulation shall contain a formal
205 certification by a responsible official, as defined in Regulation 2.16 **section 1.35 (excluding**
206 **section 1.35.1.1)**, of the truth, accuracy, and completeness of the information. The certification
207 required is as follows:

208 "Based on information and belief formed after reasonable inquiry, I certify that the
209 statements and information in this document are true, accurate, and complete."

210 **SECTION 6 Confidentiality and Open Records Requirements**

211 ~~3.1.4~~ Nothing in this ~~section of the~~ regulation is intended to preempt the confidentiality and open
212 records ~~provisions policy~~ of Regulation 1.08 *Administrative Procedures*.

213 Adopted v1/4-19-72; effective 4-19-72; amended v2/9-1-76, v3/6-13-79, v4/12-17-86, v5/11-18-92,
214 v6/12-15-93.