

## **RULE SYNOPSIS**

### **Draft rule language for Ohio Administrative Code (OAC) Chapter 3745-17 Particulate Matter Standards – 5 Year Review**

The Ohio EPA Division of Air Pollution Control (DAPC) has completed draft rule language for OAC Chapter 3745-17. The draft amendments are being made as a result of the 5 year review of the rules as required in Ohio Revised Code (ORC) 119.032. Based on this review, the following changes to this chapter will be proposed:

1. Minor Style and Typo Changes: Ohio EPA is making various minor changes to correct typos and update the rule language in this chapter to meet legislative service commission (LSC) style and formatting guidelines. These changes are being made throughout the chapter, are minor in nature, and do not affect the scope or intent of the rules.
2. Test Method, Publications, Referenced Materials: Ohio EPA is making various minor changes to update test method, publication and referenced material titles, effective dates, addresses and web sites. These changes are being made throughout the chapter, are minor in nature, and do not affect the scope or intent of the rules.
3. Removal of Permanently Shutdown Facilities and Updating Existing Facility Data in Rules (OAC rules 3745-17-01 to 3745-17-14)

Over the years since this chapter was established, sources and/or facilities have closed or certain operations at these facilities have ceased. During this 5 year review, Ohio EPA will be removing facilities and emissions units from the rules that are permanently shut down. In addition, Ohio EPA is also updating any name or address changes along with adding or updating facility identification numbers, emission unit identification numbers or descriptions.

The updating and removal of these sources is being performed to ease confusion over operations that no longer exist and to make these rules more reader friendly. A table listing facilities and emission units that are being removed from this chapter is attached at the end of this synopsis. A separate table lists facilities with name, identification number, descriptions and/or address changes.

4. OAC rule 3745-17-01 (Definitions)

Ohio EPA is revising the definition of particulate emissions to add particulate matter measured by a continuous emission monitoring system that complies with OAC rule 3745-17-03(D) and any alternative monitoring plan that complies with OAC rule 3745-17-03(E). These are added as a result of the additional compliance options added to OAC rule 3745-17-03.

5. OAC rule 3745-17-03 (Measurement methods and procedures)

Ohio EPA is correcting the paragraph reference in paragraph (B)(10)(a).

Ohio EPA is adding a visible emissions compliance option that allows for a USEPA-approved alternate opacity determination method. The phrase “or USEPA approved alternate opacity determination method” has been added after each entry of USEPA Method 9.

Ohio EPA is adding paragraphs (D) and (E) to provide an additional compliance option for certain facilities that are required to use a continuous opacity monitor (COM) to determine compliance with visible emissions requirements per paragraph (C). In situations where a COM would not provide accurate visible emissions determinations, such as air contaminant sources that are controlled by wet scrubbers, the owner or operator may install a particulate matter continuous emission monitor (CEM) per paragraph (D) that meets U.S. EPA performance specification 11. In addition, paragraph (D) requires the air contaminant source to comply with a particulate emissions limit of 0.030 pounds of particulate emissions per million British thermal units of heat input. New paragraph (E) provides an option of using an alternate monitoring plan.

6. OAC rule 3745-17-08 (Restriction of emission of fugitive dust)

Ohio EPA is revising the compliance date in paragraph (A)(1) from “upon the effective date of this rule” to “by August 7, 1972 or the date of initial startup of the source, whichever is later.” August 7, 1972 is the original effective date of this paragraph.

Ohio EPA is removing the reference to permit-to-operate from paragraph (A)(2). Permits-to-operate and rule 3745-35-02 of the Administrative Code have been replaced with permits-to-install and operate and rule 3745-31-02 of the Administrative Code.

In Appendix A, Ohio EPA is updating the name of an area listed in Summit County from Franklin Township to the city of New Franklin. This area has changed names since the last rule review but the boundaries remain the same as originally intended by this section.

7. OAC rule 3745-17-10 (Restrictions on particulate emissions from fuel burning equipment)

Ohio EPA is removing paragraph (C)(5). This paragraph references emissions units in paragraphs (C)(3) and (C)(4) which have been shut down. Thus, paragraph (C)(5) is not necessary.

8. OAC rule 3745-17-11 (Restrictions on particulate emissions from industrial processes)

As a result of comments received during the early stakeholder period, Ohio EPA is adding qualifying criteria to paragraph (A)(1)(i) that the five gallon per day exemption applies only to coatings that are not exempt per paragraphs (A)(1)(h), and (A)(1)(j) to (A)(1)(l).

As a results of comments received during the early stakeholder period, Ohio EPA is correcting the paragraph references in paragraph (C)(2).

Ohio EPA is adding “permit-to-install and operate” to paragraph (C)(3).

9. OAC rule 3745-17-12 (Additional restrictions on particulate emissions from specific air contaminant sources in Cuyahoga county)

Ohio EPA is removing the facility references from paragraphs (K) and (L). The listed facility was shut down; however, the paragraph also applies to any future operator of the listed emission units at that address.

Ohio EPA is removing paragraph (O)(1) because it is a duplicate of paragraph (P)(2). Note, paragraphs (O) and (P) apply to the same facility. In the past, these paragraphs applied to two different facilities. Paragraph (P)(2) is being revised to include “east and west side” with the description of the roads to cover requirements under both paragraphs (O) and (P).

Ohio EPA is removing paragraph (O)(2) because emissions unit F013 has been shut down. While emissions unit F009 (now F209) is still in operation, paragraph (O)(2) restricted both emissions units from operating at the same time. Since one of the emissions units is shut down, the term is unnecessary.

Ohio EPA is renaming the emission units in paragraph (O)(10) to note that they are in number 2 shop, instead of number 1 shop. When the east facility (paragraph (P)) combined with the west facility (this paragraph (O)), two basic oxygen furnace (BOF) shops were named number 1 shop. The west side BOF shop was renamed to number 2 shop.

Ohio EPA is removing paragraph (O)(11) because emissions unit F004 (raw material processing at blast furnace C-3) has been shut down. For the 1/31/1998 version of this rule, former paragraph (O)(4) [note numbering was changed so this is not related to existing paragraph (O)(4)] was deleted and eliminated a blast furnace raw material handling (F004) visible emissions limit. Since the blast furnace (C-3) associated with this furnace has been permanently shut down and no further handling of raw materials occurs, this paragraph has been deleted. New paragraph (O)(11) was added in on 1/31/1998 to assure that there are no raw materials processed at blast furnace C-3.

Note, the emissions unit ID "F004" has been reused as "Blast furnace coal, ore, limestone and coke storage piles." Also, paragraph (O) applied to the west facility, as noted above. Emission unit ID's of the former west facility were revised by changing the first "0" to "2". Thus F004 became F204, which is also still in use as "C1 Blast Furnace - material handling; ore, limestone, slag, coke and coke fines transfer".

## Facilities with Name and/or Address Changes in Chapter 3745-17

Rule #	Paragraph	Facility ID	Facility Name – Original	Facility Name – New	Notes
3745-17-04	(A)(6), (B)(4)	0616000000	Columbus and Southern Ohio Electric Company, Conesville Station	Conesville Power Plant	Name and address change
3745-17-08	(A)(3)(e)	0641090010 (was 1741090010)	Wheeling Pittsburgh Steel Corporation-Mingo Junction	Mingo Junction Steel Works LLC	Name, facility ID and address change
3745-17-10	(C)(6)	0616000000	Columbus and Southern Ohio Electric Company, Conesville Station	Conesville Power Plant	Name and address change
3745-17-11	(B)(6)	1318001613	LTV Steel Company	ArcelorMittal Cleveland, LLC	Name and address change
3745-17-12	(C)	1318006023	Boyas Excavating, Incorporated	Cuyahoga Materials	Name and address change
3745-17-12	(E)	1318578710 (was 1318576031)	Boyas Excavating, Incorporated	(No change)	Address change
3745-17-12	(F)	1318122676	Cleveland Builders Supply, Incorporated	Cuyahoga Concrete Hummell Rd Plant	Name and address change
3745-17-12	(O)	1318001613 (was 1318000078)	LTV Steel Company	ArcelorMittal Cleveland LLC	Name, facility ID and address change
3745-17-12	(P)	1318001613	LTV Steel Company	ArcelorMittal Cleveland LLC	Name and address change
3745-17-12	(U)	0142000095 (was 1318224741)	Schloss Paving Company	Kokosing Materials Plant 519	Name and facility ID change.
3745-17-13	(B)	0641000060 (was 1741000060)	Satralloy, Incorporated	Cyprus Amax Minerals Company	Name, facility ID and address change
3745-17-13	(C) and (D)	0641090010	Wheeling Pittsburgh Steel Corporation-Mingo Junction	Mingo Junction Steel Works LLC	Name and address change

## Permanently Shut Down Emission Units and Facilities in Chapter 3745-17

Rule #	Paragraph	Facility ID	Facility Name	Emission Units	Shutdown Date
3745-17-07	(B)(2)(d)(i)	1409010006	AK Steel Corporation (was Armco Steel Company, L.P., Middletown Works)	B919	12/16/1995
3745-17-07	(B)(9) and (B)(10)	1318120180	Ford Motor Company, Cleveland Casting Plant	Facility (demolished)	11/7/2011
3745-17-08	(A)(3)(e), (E), and (F)	1318120180	Ford Motor Company, Cleveland Casting Plant	Facility (demolished)	11/7/2011
3745-17-08	(A)(3)(e)	0641150011 (was 1741150011)	Wheeling Pittsburgh Steel Corporation	Facility <sup>1</sup>	12/31/1994
3745-17-10	(C)(3)	0247080234 (was 1947080234)	Ford Motor Company, Lorain Assembly Plant	Facility	12/31/2006
3745-17-10	(C)(4)	0302020143	Ford Motor Company, Lima Engine Plant	B001-B003	7/4/1997
3745-17-12	(B)	1318176325	G S Industries (was Aeroquip Corporation)	Facility	5/21/1998
3745-17-12	(I)	1318120180	Ford Motor Company, Cleveland Casting Plant	Facility (demolished)	11/7/2011
3745-17-12	(J)	1318222594	General Chemical Corporation	Facility (demolished)	1/1/2004
3745-17-12	(N)	1318202137	The Lincoln Electric Company	B003, B004, P901	12/31/2012, 1/1/1990, 1/1/1997
3745-17-12	(O)	1318001613 (was 1318000078)	ArcelorMittal Cleveland (was LTV Steel Company)	B004 to B009, F006, F007, F008  F013  B010 to B012 <sup>2</sup> , F004 <sup>3</sup> , P004 <sup>2</sup> , P901 <sup>2</sup> , P902 <sup>2</sup> , P904 <sup>2</sup>  P903 <sup>2</sup>	8/25/1994  1/23/1991  11/5/2004  1/1/2003
3745-17-12	(P)	1318001613	ArcelorMittal Cleveland (was LTV Steel Company)	B009, B901, B902, B903, F009, P057, P901, P902.  F006 F007 P066, P067 F013	11/5/2004  9/9/1993 6/22/1993 5/13/1992 8/25/1994
3745-17-12	(Q)	1318122776	Phillip Metals Luria Brothers (was Luria Brothers)	Facility	7/30/1998
3745-17-12	(T)	1318002735	Reilly Industries	Facility (demolished)	12/31/2000
3745-17-12	(Y)	1318000504	T&B Foundry Company	Facility (demolished)	3/31/2012
3745-17-13	(D)(4)	0641090010	Mingo Junction Steel Works LLC (was Wheeling-Pittsburgh Steel Corporation)	P903	5/29/2013

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3745-17-14	(A)	1318120180	Ford Motor Company, Cleveland Casting Plant	Facility (demolished)	11/7/2011
3745-17-14	(A)	1318000504	T&B Foundry Company	Facility (demolished)	3/31/2012
3745-17-14	(A)	1318122776	Phillip Metals Luria Brothers (was Luria Brothers)	Facility	7/30/1998

<sup>1</sup> Roadways and parking areas were transferred from this facility to Mingo Junction Steel Works LLC, 540 Commercial Ave., Mingo Junction, Ohio (facility ID 0641090010).

<sup>2</sup> The following emission unit IDs were changed prior to shut down when the two facilities merged and the emission units were being merged into one facility: B010 to B012 revised to B210 to B210, P004 to P204, P901 to P921, P902 to P922, P903 to P923, and P904 to P924.

<sup>3</sup> Emissions unit F004 refers to raw material handling at blast furnace C-3, which is shut down. However, the current F004 is blast furnace storage piles and F204 (F004 from former facility ID 1318000078) is raw material handling at blast furnace C-1; both of these emission units are active.