

3745-17-12

Additional restrictions on particulate emissions from specific air contaminant sources in Cuyahoga county.

[Comment: For dates of non-regulatory government publications, publications of recognized organizations and associations, federal rules, and federal statutory provisions referenced in this rule, see the last paragraph of rule 3745-17-01 of the Administrative Code titled "Incorporation by reference."]

- (A) Compliance with the emission limitations and control requirements specified in this rule shall be achieved in accordance with the time schedules contained in rule 3745-17-04 of the Administrative Code.
- (B) The "Aeroquip Corporation" (OEPA premise number 1318176325) or any subsequent owner or operator of the "Aeroquip Corporation" facility located at 5201 Grant Avenue, Cuyahoga Heights, Ohio shall not cause or permit any visible particulate emissions from the polyvinyl chloride resin handling system (OEPA source number F001).
- (C) The "Boyas Excavating, Incorporated" (OEPA premise number 1318006023) or any subsequent owner or operator of the "Boyas Excavating, Incorporated" facility located at 2929 Broadway avenue, Cleveland, Ohio shall comply with all the following control requirements for particulate matter:
- (1) For the unpaved roadways and parking areas (OEPA source number F001), there shall be no visible particulate emissions except for a period of time not to exceed three minutes during any sixty-minute observation period.
 - (2) For the crushed concrete storage piles (OEPA source number F002), there shall be no visible particulate emissions except for a period of time not to exceed one minute during any sixty-minute observation period.
 - (3) For the concrete processing operations (OEPA source numbers F003 and F004):
 - (a) All of the particulate emissions from source F004 shall either be vented to a baghouse or controlled by a wet suppression system.
 - (b) If a baghouse is employed to control source F004, the total combined particulate emissions from all stacks associated with source F004 shall not exceed 2.4 pounds per hour.
 - (c) Visible particulate emissions of fugitive dust from source F003, and from source F004 if a wet suppression system is employed, shall not exceed the following requirements:

- (i) For the screening and conveying operations subject to Ohio environmental protection agency permit to install number 13-1430, as issued on September 11, 1985, five per cent opacity as a six-minute average; and
 - (ii) For all other operations, ten per cent capacity as a six-minute average.
- (D) The "Boyas Excavating, Incorporated" (OEPA premise number 1318007300) or any subsequent owner or operator of the "Boyas Excavating, Incorporated" facility located at 2929 Broadway avenue, Cleveland, Ohio shall comply with all the following control requirements for particulate matter from the sand and gravel processing operation (OEPA source number F001):
 - (1) All of the particulate emissions from this operation shall either be vented to a baghouse or controlled by a wet suppression system.
 - (2) If a baghouse is employed, the total combined particulate emissions from all stacks shall not exceed 1.2 pounds per hour.
 - (3) If a wet suppression system is employed, visible particulate emissions of fugitive dust shall not exceed ten per cent opacity as a six-minute average.
- (E) The "Boyas Excavating, Incorporated" (OEPA premise number 1318576031) or any subsequent owner or operator of the "Boyas Excavating, Incorporated" facility located at 12101 Rockside road, Valley View, Ohio shall not cause or permit any visible particulate emissions, except for a period of time not to exceed three minutes during any sixty-minute observation period, from the unpaved roadways and parking areas (OEPA source number F001).
- (F) The "Cleveland Builders Supply, Incorporated" (OEPA premise number 1318122676) or any subsequent owner or operator of the facility located at Hummel and Engle roads, Brook Park, Ohio shall comply with all the following control requirements for particulate matter:
 - (1) For the unpaved roadways and parking areas (OEPA source number F001), there shall be no visible particulate emissions except for a period of time not to exceed three minutes during any sixty-minute observation period.
 - (2) For the paved roadways and parking areas (OEPA source number F001), there shall be no visible particulate emissions except for a period of time not to

exceed one minute during any sixty-minute observation period.

- (3) For the cement transfer system associated with the concrete block manufacturing plant (OEPA source number F003), there shall be no visible particulate emissions.
- (4) For the aggregate handling operation associated with the concrete block manufacturing plant (OEPA source number F003):
 - (a) All of the particulate emissions from this operation shall either be vented to a baghouse or controlled by a wet suppression system.
 - (b) If a baghouse is employed, the total combined particulate emissions from all stacks shall not exceed 0.12 pound per hour.
 - (c) If a wet suppression system is employed, visible particulate emissions of fugitive dust shall not exceed ten per cent opacity as a six-minute average.
- (5) For the wet concrete batching operation (OEPA source number F004), the particulate emissions shall not exceed 0.17 pound per hour.
- (G) The "Cleveland Trinidad Paving Company" (OEPA premise number 1318001799) or any subsequent owner or operator of the "Cleveland Trinidad Paving Company" facility located at 3601 Trumbull avenue, Cleveland, Ohio shall comply with all the following emission limitations for particulate matter:
 - (1) For asphalt plant number 1 (OEPA source number P901), the particulate emissions shall not exceed 26.3 pounds per hour.
 - (2) For asphalt plant number 2 (OEPA source number P902), the particulate emissions shall not exceed 9.3 pounds per hour.
- (H) The "Cuyahoga Foundry Company" (OEPA premise number 1318171954) or any subsequent owner or operator of the "Cuyahoga Foundry Company" facility located at 4530 East 71st street, Cuyahoga Heights, Ohio shall not cause or permit the particulate emissions from the casting shakeout operation (OEPA source number F002) to exceed 0.32 pound per hour.
- (I) Except as otherwise provided in paragraphs (I)(50) and (I)(51) of this rule, the "Ford Motor Company, Cleveland Casting Plant" (OEPA premise number 1318120180)

or any subsequent owner or operator of the "Ford Motor Company, Cleveland Casting Plant" facility located at 5600 Henry Ford boulevard, brook park, Ohio shall comply with all the following control requirements for particulate matter:

- (1) For the paved roadways and parking areas (OEPA source number F001), visible particulate emissions shall not exceed five per cent opacity, as determined in accordance with paragraph (B)(3) of rule 3745-17-03 of the Administrative Code.
- (2) For the electric induction holding furnace for cupola number 7 (OEPA source number F005), the particulate emissions shall not exceed 5.4 pounds per hour.
- (3) For the molding basement refuse pan conveyor, the mold line number 1 shakeout, the mold line number 2 mold conveyor, and the mold line number 3 dredgeout fractionating system (OEPA source numbers F023, P113, P148 and P186), all the following requirements shall be met:
 - (a) The particulate emissions from the F unit baghouse serving sources F023, P113, P148 and P186 shall not exceed 0.0063 grain per actual cubic foot of the total exhaust gases.
 - (b) The particulate emissions from the pulse flow baghouse serving source F023 shall not exceed 0.0059 grain per actual cubic foot of the total exhaust gases.
 - (c) The particulate emissions from the wet collectors 5-2 and 5-3 serving source F023 shall not exceed 0.010 grain per actual cubic foot of total exhaust gases.
- (4) For the knockout house refuse system, ~~the mold spray mixing station, the number 2 cooling line shakeout and sprue/runner knockoff, the number 3 cooling line shakeout and sprue/runner knockoff (OEPA source numbers F024, P083, P091 and P092), both the following requirements shall be met:~~particulate emissions from each of the knockout house wet collectors serving sources F024, P091 and P092 shall not exceed 0.010 grain per actual cubic foot of exhaust gases.
 - ~~(a) The particulate emissions from each of the knockout house wet collectors serving sources F024, P083, P091 and P092 shall not exceed 0.010 grain per actual cubic foot of exhaust gases.~~
 - ~~(b) The knockout house cyclone serving sources F024, P091 and P092 shall be replaced with existing knockout house number 5 wet collector and~~

~~the particulate emissions from the number 5 wet collector shall not exceed 0.010 grain per actual cubic foot of exhaust gases.~~

- (5) For the number 3 electric induction holding furnace (OEPA source number F025), the mold line number 2 holding furnace (OEPA source number ~~P140~~P160), the exhaust gases from mold line number 7 holding furnace (OEPA source number P290) which were vented to stack D-35 prior to June 14, 1991, and the mold line number 7 iron pouring (OEPA source number P291), all the particulate emissions shall be vented to the D unit baghouse and the emissions from the D unit baghouse shall not exceed 0.0055 grain per actual cubic foot of exhaust gases. Alternatively, the number 3 electric induction holding furnace (F025) and the mold line number 2 holding furnace (P160) currently vented to D unit baghouse may be vented to the AAF unit baghouse; and in such case, the emissions from the AAF unit baghouse shall not exceed 0.005 grain per actual cubic foot of exhaust gases.~~A~~
- (6) For the ~~electric~~induction holding furnace number 2 (OEPA source number P026), the particulate emissions shall not exceed 0.005 grain per actual cubic foot of total exhaust gases. Alternatively, the induction holding furnace number 2 (P026) may be vented to the D unit baghouse; and in such case, the emissions from the D unit baghouse shall not exceed 0.005 grain per actual cubic foot of exhaust gases.
- (7) For the shot blast cleaning and grinding of castings at the numbers ~~1 through 10~~, 2, 3, 6, 7, 9 and 10 cleaning lines (OEPA source numbers ~~P027 through P044~~F024, P091, P092, P027, P028, P029, P032, P033, P035 and P036), the primary shakeouts at the unhook station numbers 2 and 3 (OEPA source numbers P038 and P039), the primary shakeouts at the dump station numbers 4 through 7 (OEPA source numbers P040 through P042), ~~the two shakeouts at each of dump station numbers 8 and 9 (OEPA source number and P044); the three shakeouts and one feeder at the dump station number 10 (OEPA source number P045);~~ the reclamation and cleaning of iron scrap using rotary mill in cleaning room (OEPA source number P050), the number 3 cooler V-6 unhook station (OEPA source number P102), the osci-rocker blast (OEPA source number P411), and the shot reclamation and refuse system (OEPA source number P908), all the following requirements shall be met:
 - (a) The particulate emissions from A unit baghouse serving sources ~~P027 through P044~~F024, P091, P092, P027, P028, P029, P032, P038, P039, ~~P041~~, P042, and P908 shall not exceed ~~0.014~~0.010 grain per actual cubic foot of total exhaust gases.
 - (b) The particulate emissions from B unit baghouse serving sources P027 through P029, and P102 shall not exceed 0.014 grain per actual cubic

foot of total exhaust gases.

- (c) The particulate emissions from C unit baghouse serving sources ~~P029 through P036~~, P029, P032, P033, P035, P036, P040, P041, P050 and, P411 and P908 shall not exceed 0.014 grain per actual cubic foot of total exhaust gases.
 - ~~(d) The particulate emissions from the Pangborn baghouse serving source P028 shall not exceed 0.016 grain per actual cubic foot of total exhaust gases.~~
 - ~~(e) The particulate emissions from the pulse flow baghouse serving sources P411 and P908 shall not exceed 0.011 grain per actual cubic foot of total exhaust gases.~~
 - ~~(f) All the particulate emissions from source P908 which, prior to June 14, 1991, were vented to the cleaning room wet collector shall be vented to the A unit baghouse.~~
 - ~~(g) The particulate emissions from sources P043 and P044 shall not exceed 0.0 pound per hour.~~
 - ~~(h) The particulate emissions from source P045 shall be vented to either the cleaning room wet collector or the C unit baghouse. If the particulate emissions are vented to the cleaning room wet collector, such emissions from this collector shall not exceed 0.010 grain per actual cubic foot of total exhaust gases. If the particulate emissions are vented to the C unit baghouse, such emissions from this baghouse shall not exceed 0.014 grain per actual cubic foot of total exhaust gases.~~
- (8) The particulate emissions from each of the following hot-box core machines shall not exceed 0.0082 grain per actual cubic foot of exhaust gases:
- ~~(a) The twelve core machines associated with the number 1A core line (OEPA source number P094);~~
 - ~~(b) The ten core machines associated with the number 1B core line (OEPA source number P095);~~
 - ~~(c) The thirteen core machines associated with the number 2 core line (OEPA source number P104);~~
 - ~~(d) The eight core machines associated with the number 3 core line (OEPA source number P053);~~
 - ~~(e) The eight core machines associated with the number 4 core line (OEPA~~

~~source number P055);~~

~~(f) The thirteen core machines associated with the number 8 core line (OEPA source number P107);~~

~~(g)(a) The nineteenseventeen core machines associated with the number 10 core line (OEPA source number P064); and~~

~~(h)(b) The eighteenseven core machines associated with the number 11 core line (OEPA source number P066); and.~~

~~(i) The twelve core machines associated with the number 12 core line (OEPA source number P067);~~

(9) For the ~~electric~~ holding furnace number 5, the mold line number 10 holding furnace, skip hoist, and new make-up sand chute, and the external desulfurization associated with cupola numbers 1 and 7 and the charge bucket loading operation associated with cupola number 7 (OEPA source numbers ~~P097, P380, P381, P388, and P419~~ and P907), the particulate emissions from D unit baghouse serving these sources shall not exceed 0.0055 grain per actual cubic foot of total exhaust gases.

(10) For the ~~electric~~ induction holding furnace number 1 ~~and the evaporative easting process~~ (OEPA source ~~numbers~~ number P099 ~~and P410~~), the particulate emissions from the AAF unit baghouse serving ~~these sources~~ this source shall not exceed 0.0050 grain per actual cubic foot of total exhaust gases. Alternatively, the induction holding furnace number 1 (OEPA source number P099) currently vented to the AAF unit baghouse may be vented to the D unit baghouse; and in such case, the emissions from the D unit baghouse shall not exceed 0.0055 grain per actual cubic foot of exhaust gases.

(11) For the mold line number 1 holding furnace (OEPA source number P110), the total particulate emissions shall not exceed 1.3 pounds per hour.

(12) For the mold line number 1 iron pouring (OEPA source number P111), the particulate emissions shall not exceed 0.80 pound per hour.

(13) For the mold line number 1 mold conveyor and ~~shakeout~~ No. 1 ML cope and drag punch-up (OEPA source numbers P112 and P114), the total combined particulate emissions from both of these sources shall not exceed 10.5 pounds per hour.

(14) For the mold line number 1 casting hookups, return sand system, mag belt

conveyor, new sand transfer belt conveyor, sand storage bins, and sand cooling system (OEPA source numbers P115 through P120), the total combined particulate emissions from all of these sources shall not exceed 9.6 pounds per hour.

- (15) ~~Reserved For the mold line number 3 mold spraying (OEPA source number P175), the particulate emissions shall not exceed 0.0 pound per hour.~~
- (16) For the mold line number 2 iron pouring, ~~mold spraying~~ and mold conveyor (OEPA source numbers P141, ~~P143~~ and P145), the mold line number 3 iron pouring, cope mold machine, drag mold machine, core handling, ~~mold spraying~~ and mold conveyor (OEPA source numbers P171 through P174, and P177), and the tapping operations associated with cupola number 1 (OEPA source number P901) and with cupola number 2 (OEPA source number P902), the total combined particulate emissions from all of these sources shall not exceed 28.3 pounds per hour.
- (17) For the mold line number 2 cope mold machine (OEPA source number P142), the particulate emissions shall not exceed 1.8 pounds per hour.
- (18) ~~Reserved For the mold line number 2 mold spraying (OEPA source number P143), the particulate emissions shall be vented to stack G-32.~~
- (19) For the mold line number 2 dredgeout casting split (OEPA source number P146), the particulate emissions shall not exceed 2.2 pounds per hour.
- (20) For the mold line number 2 rotary sand cooling screen (OEPA source number P147), the particulate emissions shall not exceed 4.4 pounds per hour.
- (21) For the mold line number 2 mold conveyor, casting shakeout, drag punchout, cope punchout, sand transfer, mag belt, and sand ~~muller~~ preparation (OEPA source numbers ~~P149~~P148 through P151, and P156 through P158), the total combined particulate emissions from all of these sources shall not exceed 13.2 pounds per hour.
- (22) For the mold line number 2 dredgeout fractionating system (OEPA source number P152), the particulate emissions shall not exceed 1.1 pounds per hour.
- (23) For the mold line number 2 sprue removal, hookup, dredgeout, and casting ~~cleaning~~cooling (OEPA source numbers P153 through P155, and P159) and the mold line number 3 casting splitter, casting hookup, and dredgeout (OEPA source numbers P187, P189 and P190), the total combined particulate

emissions from all of these sources shall not exceed 6.1 pounds per hour.

- (24) For the mold line number 3 mold conveyor (OEPA source number P178), the total particulate emissions shall not exceed 4.4 pounds per hour.
- (25) For the mold line number 3 drag punchout and cope punchout (OEPA source numbers P179 and P180), the particulate emissions shall not exceed 0.0066 grain per actual cubic foot of total exhaust gases.
- (26) For the mold line number 3 sand transfer system, new sand chute, rotary sand cooling screen, sand mullers, casting shakeout, sprue removal and mag belt (OEPA source numbers P181 through P185, P188 and P191), the total combined particulate emissions shall not exceed 4.8 pounds per hour.
- (27) The exhaust gases from mold line number 7 holding furnace (OEPA source number P290) which are not vented to the D unit baghouse shall be vented to stacks D-33 and E-19 and the total combined particulate emissions from stacks D-33 and E-19 shall not exceed 3.0 pounds per hour.
- (28) For the mold line number 7 mold conveyor (OEPA source number P297), the total particulate emissions shall not exceed 3.2 pounds per hour.
- (29) For the mold line number 7 primary and secondary shakeouts, automatic castings extractor, return sand system, and fluid bed sand cooler (OEPA source numbers P293 through P296), the total combined particulate emissions shall not exceed 7.7 pounds per hour.
- (30) For the mold line number 7 block casting shakeout, sand muller, ~~eastings cooler~~casting cooling, and conveyor equipment and storage hoppers (OEPA source numbers P298 through P301), the particulate emissions from such sources shall be vented to one or more of the following wet collectors and such emissions from wet collectors 6-1, 6-2 and 6-3, from wet collectors 8-1, 8-2 and 8-3, and from wet collector 9-1 shall not exceed 0.010 grain per actual cubic foot of total exhaust gases.
- (31) ~~Reserved~~For the mold line number 8 holding furnace, iron pouring, cope punchout, mag belt, new make-up sand chute, mold conveyor, shakeout, drag punchout, sand transfer, rotary sand cooling screen, and sand muller (OEPA source numbers P320 through P330), the total combined particulate emissions from these sources shall not exceed 0.0 pound per hour.
- (32) ~~Reserved~~For the mold line number 10 iron pouring and mold conveyor (OEPA

~~source numbers P382 and P383), the total combined particulate emissions from both of these sources shall not exceed 4.7 pounds per hour.~~

- (33) ~~Reserved~~For the mold line number 10 mold conveyor (OEPA source number P384), the particulate emissions shall not exceed 3.2 pounds per hour.
- (34) ~~Reserved~~ For the mold line number 10 cope shakeout (OEPA source number P385), the particulate emissions shall not exceed 1.1 pounds per hour.
- (35) ~~Reserved~~For the mold line number 10 sand transfer system, shakeout, and drag shakeout (OEPA source numbers P386, P390 and P391), the total combined particulate emissions from all of these sources shall not exceed 8.6 pounds per hour.
- (36) ~~Reserved~~For the mold line number 10 mag belt (OEPA source number P387), the particulate emissions shall not exceed 4.1 pounds per hour.
- (37) ~~Reserved~~For the mold line number 10 rotary sand cooling screen (OEPA source number P389), the particulate emissions shall not exceed 2.9 pounds per hour.
- (38) For the cupola number 1 (OEPA source number P901), both the following requirements shall be met:
 - (a) The particulate emissions from the wet collector serving this source shall not exceed 29.1 pounds per hour.
 - (b) The particulate emissions from the tapping operations associated with this source shall be vented to stack G-36.
- (39) For the cupola number 2 (OEPA source number P902), both the following requirements shall be met:
 - (a) The particulate emissions from the wet collector serving this source shall not exceed 27.4 pounds per hour.
 - (b) The particulate emissions from the tapping operations associated with this source shall be vented to stack G-36.
- (40) For the cupola number 3 (OEPA source number P903), both the following requirements shall be met:

- (a) The particulate emissions from the wet collector serving this source shall not exceed 27.4 pounds per hour.
 - (b) The particulate emissions from ~~stack E-25 serving~~ the tapping operations associated with this source shall be vented to the D-Unit Baghouse and shall not exceed 1.5 pounds per hour; 0.0055 grain per actual cubic foot of exhaust gases.
- (41) ~~Reserved For the cupola number 4 (OEPA source number P904), both the following requirements shall be met:~~
- (a) ~~The particulate emissions from the wet collector serving this source shall not exceed 27.4 pounds per hour.~~
 - (b) ~~The particulate emissions from stack F-16 serving the tapping operations associated with this source shall not exceed 1.5 pounds per hour~~
- (42) ~~Reserved For the cupola number 5 (OEPA source number P905), both the following requirements shall be met:~~
- (a) ~~The particulate emissions from the wet collector serving this source shall not exceed 27.4 pounds per hour.~~
 - (b) ~~The particulate emissions from stack C-20 serving the tapping operations associated with this source shall not exceed 1.5 pounds per hour.~~
- (43) For the cupola number 7 (OEPA source number P907), both the following requirements shall be met:
- (a) The particulate emissions from the wet collector serving this source shall not exceed 26.8 pounds per hour.
 - (b) The particulate emissions from stack ~~C-23B-53~~ serving the tapping operations associated with this source shall not exceed 1.5 pounds per hour.
- (44) ~~Reserved For the core curing oven (OEPA source number P909), the particulate emissions shall not exceed 0.10 pound per hour.~~
- (45) For the sand ~~milling operation~~mullors/sand handling system (OEPA source number P912), the particulate emissions from the core room wet collectors ~~1, 3, 4 and 6~~ serving this source shall not exceed 0.010 grain per actual cubic

foot of total exhaust gases.

- (46) For the bentonite unloading system (OEPA source number P913), the particulate emissions shall not exceed 0.0068 grain per actual cubic foot of total exhaust gases.

- (47) Operating hour restrictions and recordkeeping requirements:

- (a) The operating hours for sources P027, ~~through P036~~ P028, P029, P032, P033, P035 and P036 shall not exceed ~~the following~~ a total of 71.4 operating hours during any calendar day:

(i) ~~A total of 67.4 hours; or~~

(ii) ~~If the particulate emissions from source P045 are vented to C unit baghouse or source P045 is permanently shut down, a total of 71.4 hours.~~

- (b) Reserved ~~The operating hours for the core machines associated with sources P053, P055, P064, P066, P067, P094, P095, P104, and P107 shall not exceed the following during any calendar day:~~

(i) ~~A total of 597.4 hours; or~~

(ii) ~~If the particulate emissions from source P045 are vented to C unit baghouse or source P045 is permanently shut down, a total of 653.4 hours.~~

- (c) The total operating hours for the cupolas associated with sources P901 through ~~P905~~P903 and P907 shall not exceed ~~64~~sixty-four hours during any calendar day. Time intervals during which a cupola is not in a state of blast (standby mode) shall not be included in the determination of daily operating hours. Blast is defined as the period during which air is forced through the tuyeres onto a cupola burden consisting of incandescent coke, limestone and scrap metal.

- (d) The total operating hours for mold lines numbers 1 through 3, and 7 ~~and 10~~ shall not exceed 64.4 hours during any calendar day.

- (e) Daily records shall be maintained for the operating times of each source identified in paragraph (I)(47) of this rule to document compliance with the specified hourly operating restrictions. These records shall be maintained by the owner or operator for a period of not less than

five years.

- (48) The height of stack G-36 (serving sources P141, P145, ~~P170 through P171, P172, and P177~~, and the tapping operations associated with P901 and P902) shall not be less than one hundred thirty feet above ground level. Alternatively, the number 2 mold line iron pouring (P141) and the number 3 mold line iron pouring (P171) currently vented to stack G-36 may be vented to the G unit baghouse; and in such case, the emissions from the G unit baghouse shall not exceed 0.005 grain per actual cubic foot of exhaust gases.
- (49) ~~Reserved~~The particulate emissions from the six hot-box core machines associated with the number 7 core line (OEPA source number P106) shall not exceed 0.00 grain per actual cubic foot of exhaust gases.
- (50) The director may establish an alternative emission limitation or control requirement for an emissions unit at the "Ford Motor Company, Cleveland Casting Plant," which is less stringent than, or inconsistent with, an allowable emission limitation or control requirement contained in paragraph (I) of this rule if the alternative emission limitation or control requirement is specified in a valid permit issued pursuant to rule 3745-31-02 or Chapter 3745-77 of the Administrative Code, and the administrator of the United States environmental protection agency is given at least thirty days notice of the director's proposed issuance of such permit if issued pursuant to rule 3745-31-02 of the Administrative Code or at least forty-five days notice of the director's proposed issuance of such permit if issued pursuant to Chapter 3745-77 of the Administrative Code and does not object to such issuance during the applicable review and comment period or, in the event an objection from the administrator is received, the objection is resolved prior to issuance. Compliance with an alternative emission limitation or control requirement in effect pursuant to this paragraph shall not constitute a violation of paragraph (I) of this rule pending amendment of the paragraph in accordance with paragraph (I)(51) of this rule. To obtain an alternative emission limitation or control requirement, "Ford Motor Company, Cleveland Casting Plant" shall demonstrate, using the United States environmental protection agency air quality modeling guidelines in effect at the time that the complete application is received, that the alternative emission limitation or control requirement will result in ambient air quality that complies with the "National Ambient Air Quality Standards" for particulate matter having an aerodynamic diameter less than or equal to ten micrometers, as set forth at 40 CFR 50.6, ~~section 50.6~~.
- (51) After the effective date of any permit to install or Title V permit, as that term is defined by paragraph (KK) of rule 3745-77-01 of the Administrative Code, containing an alternative emission limitation or control requirement which is

less stringent than, or inconsistent with, an allowable emission limitation or control requirement contained in paragraph (I) of this rule, the director shall amend paragraph (I) of this rule to reflect such alternative emission limitation or control requirement.

- (J) The "General Chemical Corporation" (OEPA premise number 1318222594) or any subsequent owner or operator of the "General Chemical Corporation" facility located at 5000 Warner road, Garfield Heights, Ohio shall not cause or permit the particulate emissions from each of the aluminum sulfate solution production digesters (OEPA source numbers P004, P005, and P006) to exceed 2.2 pounds per hour.
- (K) The "Harval, Incorporated" (OEPA premise number 1318005960) or any subsequent owner or operator of the "Harval, Incorporated" facility located at 1971 Carter road, Cleveland, Ohio shall not cause or permit any visible particulate emissions except for a period of time not to exceed three minutes during any sixty-minute observation period, from the unpaved roadways and parking areas (OEPA source number F001).
- (L) The "Independence Excavating Incorporated" (OEPA premise number 1318225730) or any subsequent owner or operator of the "Independence Excavating Incorporated" facility located at 4905 Warner road, Garfield Heights, Ohio shall comply with all the following control requirements for particulate matter from the concrete processing operation (OEPA source number F003):
- (1) All of the particulate emissions from this operation shall either be vented to a baghouse or controlled by a wet suppression system.
 - (2) If a baghouse is employed, the total combined particulate emissions from all stacks shall not exceed 0.87 pound per hour.
 - (3) If a wet suppression system is employed, visible particulate emissions of fugitive dust shall not exceed ten per cent opacity as a six-minute average.
- (M) The "Lake Erie Asphalt Products Company" (OEPA premise number 1318220278) or any subsequent owner or operator of the "Lake Erie Asphalt Products Company" facility located at 8200 Old Granger road, Garfield Heights, Ohio shall comply with all the following emission limitations for particulate matter:
- (1) For the unpaved roadways and parking areas (OEPA source number F001), there shall be no visible particulate emissions except for a period of time not to exceed three minutes during any sixty-minute observation period.

- (2) For the paved roadways and parking areas (OEPA source number F001), there shall be no visible particulate emissions except for a period of time not to exceed one minute during any sixty-minute observation period.
 - (3) For the asphaltic concrete plant (OEPA source number P901), the particulate emissions shall not exceed 6.0 pounds per hour.
- (N) The "Lincoln Electric Company" (OEPA premise number 1318202137) or any subsequent owner or operator of the "Lincoln Electric Company" facility located at 22801 St. Clair Avenue, Cleveland, Ohio shall comply with all the of following emission limitations for particulate matter:
- (1) For boiler number 4 (OEPA source number B003), the particulate emissions shall not exceed 0.11 pound per million Btu of actual heat input.
 - (2) For boiler number 3 (OEPA source number B004), the particulate emissions shall not exceed 0.12 pound per million Btu of actual heat input.
 - (3) For the rotary iron powder kiln (OEPA source number P901), the particulate emissions shall not exceed 1.8 pounds per hour.
 - (4) For the rotary flux kilns A through C (OEPA source numbers P902 through P904), the particulate emissions shall not exceed 2.4 pounds per hour from each kiln.
- (O) The "LTV Steel Company" (OEPA premise number 1318000078) or any subsequent owner or operator of the "LTV Steel Company" facility located at 3341 Jennings road, Cleveland, Ohio shall comply with all the following control requirements for particulate matter:
- (1) For the paved and unpaved roadways and parking areas (OEPA source number F001), visible particulate emissions shall not exceed five per cent opacity, as determined in accordance with paragraph (B)(3) of rule 3745-17-03 of the Administrative Code.
 - (2) For the desulfurization operation associated with the hot metal reladling, desulfurization and slag raking station (OEPA source number F009) and the auxiliary desulfurization station (OEPA source number F013), only one of these desulfurization stations shall be operated at any time.
 - (3) For the hot metal reladling, desulfurization, slag raking, and ladle transfer

operations (OEPA source number F009), the total particulate emissions from the baghouse serving this source shall not exceed 21.0 pounds per hour.

- (4) For the stove stacks associated with blast furnace C-1 (OEPA source number P903), the particulate emissions shall not exceed 11.2 pounds per hour.
 - (5) For the electric arc furnaces number 79 and 80 (OEPA source numbers P901 and P904) and the raw material handling, slag handling, and teeming operations associated with the electric arc furnace shop (OEPA source numbers F006 through F008), the total combined particulate emissions shall not exceed 27.3 pounds per hour.
 - (6) For the machine scarfer (OEPA source number P004), the particulate emissions shall not exceed 0.00 pound per hour.
 - (7) For boilers 26 through 31 (OEPA source numbers B004 through B009), the particulate emissions shall not exceed 0.00 pound per million Btu of actual heat input from each boiler.
 - (8) For boilers 32 through 34 (OEPA source numbers B010 through B012):
 - (a) The particulate emissions shall not exceed 0.040 pound per million Btu of actual heat input from each boiler.
 - (b) Only one boiler shall be operated at any time.
 - (9) For blast furnace C-3 (OEPA source number P902), the particulate emissions shall not exceed 0.00 pound per hour.
 - (10) For the numbers 1 and 2 basic oxygen furnaces (OEPA source numbers P905 and P906) at the number 1 shop, the total particulate emissions from all of the stacks of the electrostatic precipitator serving such sources shall not exceed 39.8 pounds per hour.
 - (11) There shall be no processing of raw materials at blast furnace C-3 (OEPA source number F004).
- (P) The "LTV Steel Company" (OEPA premise number 1318001613) or any subsequent owner or operator of the "LTV Steel Company" facility located at 3100 East 45th street, Cleveland, Ohio shall comply with all the following control requirements for particulate matter:

- (1) For boilers A through C (OEPA source numbers B001 through B003), the particulate emissions shall not exceed 0.086 pound per million Btu of actual heat input from each boiler.
- (2) For the paved and unpaved roadways and parking areas (OEPA source number F001), visible particulate emissions shall not exceed five per cent opacity, as determined in accordance with paragraph (B)(3) of rule 3745-17-03 of the Administrative Code.
- (3) For the number 2 coke plant quench station (OEPA source number P057):
 - (a) The weekly average concentration of total dissolved solids of the quench water shall not exceed twelve hundred milligrams per liter of water; and
 - (b) The interior of the quench tower shall be equipped with a baffle system which is designed and maintained in accordance with good engineering practice and which provides coverage of not less than ninety-five per cent of the cross-sectional area of the tower.
- (4) For the blast furnaces C-2 and C-4 (OEPA source numbers P901 and P902), the particulate emissions shall not exceed 0.00 pound per hour from each source.
- (5) For the stove stacks associated with blast furnaces C-5 and C-6 (OEPA source numbers P903 and P904), the particulate emissions shall not exceed 11.7 pounds per hour from each source.
- (6) For the charging and tapping operations associated with the numbers 1 and 2 basic oxygen furnaces (OEPA source numbers P905 and P906), the hot metal desulfurization and hot metal transfer station (OEPA source number F011), and the teeming operation (OEPA source number F013), the particulate emissions from the stack of the secondary emission control baghouse serving such sources shall not exceed 10.3 pounds per hour.
- (7) For boiler 234 (OEPA source number B009), the particulate emissions shall not exceed 0.00 pound per million Btu of actual heat input.
- (8) For the coke oven batteries numbers 1 through 3 at the number 1 coke plant (OEPA source numbers B901 through B903), the particulate emissions shall not exceed 0.00 pound per hour per battery.
- (9) There shall be no processing of raw materials at blast furnaces C-2 and C-4

(OEPA source number F009).

- (10) For the number 1 and 2 basic oxygen furnaces (OEPA source numbers P905 and P906) at the number 2 shop, the particulate emissions from the suppressed combustion systems serving these sources shall not exceed 15.0 pounds per hour from each system.
 - (11) For the number 1 coke plant quench stations numbers 1 and 4 (OEPA source numbers P066 and P067), the particulate emissions shall not exceed 0.00 pound per hour.
 - (12) For the coal handling and processing operations at the number 2 coke plant (OEPA source number F006), the total operating hours shall not exceed 16 hours during any calendar day. Daily records shall be maintained of the operating time to document compliance with this restriction. These records shall be maintained by the owner or operator for a period of not less than three years.
 - (13) There shall be no coke handling or processing at the number 1 coke plant (OEPA source number F007).
- (Q) The "Luria Brothers" (OEPA premise number 1318122776) or any subsequent owner or operator of the "Luria Brothers" facility located at 18951 Snow road, Brook Park, Ohio shall comply with both the following emission limitations for particulate matter:
- (1) For the material handling operation (OEPA source number F003) and the material handling operation associated with the automobile shredding line (OEPA source number P901), there shall be no visible particulate emissions.
 - (2) For the automobile shredding line (OEPA source number P901), the particulate emissions shall not exceed 4.0 pounds per hour.
- (R) The "Meech Foundry, Incorporated" (OEPA premise number 1318224005) or any subsequent owner or operator of the "Meech Foundry, Incorporated" facility located at 4730 Warner road, Garfield Heights, Ohio shall comply with all the following control requirements for particulate matter and recordkeeping requirements:
- (1) For the cupola furnace (OEPA source number P901), the particulate emissions shall not exceed 10.8 pounds per hour.

- (2) For the inoculation operation associated with the cupola furnace (OEPA source number P901), the operating hours shall not exceed 0.1 hour during any calendar day.
 - (3) For the iron pouring and cooling operation associated with the cupola furnace (OEPA source number P901), the operating hours shall not exceed 3.0 hours during any calendar day.
 - (4) Daily records shall be maintained for the operations identified in paragraphs (R)(2) and (R)(3) of this rule to document compliance with the specified hourly operating restrictions.
- (S) The "Ohio Aluminum Industries, Incorporated" (OEPA premise number 1318226416) or any subsequent owner or operator of the "Ohio Aluminum Industries, Incorporated" facility located at 4840 Warner road, Garfield Heights, Ohio shall comply with all the following emission limitations for particulate matter:
- (1) For the sand handling operation associated with the sand reclamation process (OEPA source number F001), the particulate emissions shall not exceed 0.90 pound per hour.
 - (2) For the mold making operation associated with the sand reclamation process (OEPA source number F001), the particulate emissions shall not exceed 0.0055 pound per hour.
 - (3) For the casting shakeout operation associated with the sand reclamation process (OEPA source number F001), the particulate emissions shall not exceed 0.016 pound per hour.
 - (4) For the cleaning and finishing process (OEPA source number P901):
 - (a) The total combined particulate emissions from the control equipment shall not exceed 0.11 pound per hour.
 - (b) There shall be no visible particulate emissions from the cleaning room.
- (T) The "Reilly Industries" (OEPA premise number 1318002735) or any subsequent owner or operator of the "Reilly Industries" facility located at 3201 Independence road, Cleveland, Ohio shall not cause or permit the total combined emission of particulate matter from the coal tar pitch cooling tanks number 50, 52, 127, and 130 through 133 (OEPA source numbers P014 through P017, and P019) to exceed 0.40

pound per hour.

(U) The "Schloss Paving Company" (OEPA premise number 1318224741) or any subsequent owner or operator of the "Schloss Paving Company" facility located at 13700 McCracken road, Cleveland, Ohio shall comply with all the following emission limitations for particulate matter:

(1) For the unpaved roadways and parking areas (OEPA source number F001), there shall be no visible particulate emissions except for a period of time not to exceed three minutes during any sixty-minute observation period.

(2) For the paved roadways and parking areas (OEPA source number F001), there shall be no visible particulate emissions except for a period of time not to exceed one minute during any sixty-minute observation period.

(3) For the asphaltic concrete plant (OEPA source number P901), the particulate emissions shall not exceed 6.0 pounds per hour.

(V) The "Standard Slag Company" (OEPA premise number 1318002662) or any subsequent owner or operator of the "Standard Slag Company" facility located at Campbell road and Harvard avenue, Cleveland, Ohio shall comply with all the following control requirements for particulate matter:

(1) For the unpaved roadways and parking areas (OEPA source number F001), there shall be no visible particulate emissions except for a period of time not to exceed three minutes during any sixty-minute observation period.

(2) For the paved roadways and parking areas (OEPA source number F001), there shall be no visible particulate emissions except for a period of time not to exceed one minute during any sixty-minute observation period.

(3) For the slag storage piles (OEPA source number F002), there shall be no visible particulate emissions except for a period of time not to exceed one minute during any sixty-minute observation period.

(4) For the slag processing operations (OEPA source number F005):

(a) All of the particulate emissions from this operation shall either be vented to a baghouse or controlled by a wet suppression system.

(b) If a baghouse is employed, the total combined particulate emissions from

all stacks shall not exceed 4.9 pounds per hour.

(c) If a wet suppression system is employed, visible particulate emissions of fugitive dust shall not exceed ten per cent opacity as a six-minute average.

(W) The "Stein, Incorporated" (OEPA premise number 1318003929) or any subsequent owner or operator of the "Stein, Incorporated" facility located at 3100 East 45th street, Cleveland, Ohio shall comply with both the following emission limitations for particulate matter:

(1) For the slag storage piles (OEPA source number F005), there shall be no visible particulate emissions except for a period of time not to exceed one minute during any sixty-minute observation period.

(2) For the slag processing operations (OEPA source numbers F006 and F007), visible particulate emissions of fugitive dust shall not exceed ten per cent opacity as a six-minute average.

(X) The "Stein, Incorporated" (OEPA premise number 1318005076) or any subsequent owner or operator of the "Stein, Incorporated" facility located at 3341 Jennings road, Cleveland, Ohio shall comply with all the following emission limitations for particulate matter:

(1) For the unpaved roadways and parking areas (OEPA source number F001), there shall be no visible particulate emissions except for a period of time not to exceed three minutes during any sixty-minute observation period.

(2) For the slag unloading operation (OEPA source number F002), visible particulate emissions of fugitive dust shall not exceed ten per cent opacity as a six-minute average.

(3) For the slag processing operation (OEPA source number F003), visible particulate emissions of fugitive dust shall not exceed ten per cent opacity as a six-minute average.

(4) For the slag storage piles (OEPA source number F004), there shall be no visible particulate emissions except for a period of time not to exceed one minute during any sixty-minute observation period.

(Y) The "T & B Foundry Company" (OEPA premise number 1318000504) or any subsequent owner or operator of the "T & B Foundry Company" facility located at

2469 East 71st street, Cleveland, Ohio shall comply with all the following emission limitations for particulate matter:

- (1) For the unpaved roadways and parking areas (OEPA source number F001), there shall be no visible particulate emissions except for a period of time not to exceed three minutes during any sixty-minute observation period.
 - (2) For the paved roadways and parking areas (OEPA source number F001), there shall be no visible particulate emissions except for a period of time not to exceed one minute during any sixty-minute observation period.
 - (3) For the iron pouring and cooling operations (OEPA source number F003), there shall be no visible emissions.
 - (4) For the cupola furnace (OEPA source number P901), the particulate emissions shall not exceed 14.0 pounds per hour.
- (Z) If any unpaved roadways and parking areas, or portions thereof, identified in paragraphs (C)(1), (E), (K), and (X)(1) of this rule are paved, the paved portions of the roadways and parking areas shall be subject to a limitation of no visible particulate emissions except for a period of time not to exceed one minute during any sixty-minute observation period.

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