MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY AIR QUALITY DIVISION

March 25, 2019

PERMIT TO INSTALL 32-19

ISSUED TO Detroit Ready Mix Concrete, Inc.

> LOCATED AT 9189 Central Street Detroit, Michigan

IN THE COUNTY OF Wayne

STATE REGISTRATION NUMBER M4112

The Air Quality Division has approved this Permit to Install, pursuant to the delegation of authority from the Michigan Department of Environmental Quality. This permit is hereby issued in accordance with and subject to Section 5505(1) of Article II, Chapter I, Part 55, Air Pollution Control, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended. Pursuant to Air Pollution Control Rule 336.1201(1), this permit constitutes the permittee's authority to install the identified emission unit(s) in accordance with all administrative rules of the Department and the attached conditions. Operation of the emission unit(s) identified in this Permit to Install is allowed pursuant to Rule 336.1201(6).

DATE OF RECEIPT OF ALL INFORMATION REQUIRED BY RULE 203:

March 12, 2019

DATE PERMIT TO INSTALL APPROVED: March 25, 2019	SIGNATURE:
DATE PERMIT VOIDED:	SIGNATURE:
DATE PERMIT REVOKED:	SIGNATURE:

PERMIT TO INSTALL

Table of Contents

COMMON ACRONYMS	.2
POLLUTANT / MEASUREMENT ABBREVIATIONS	.3
GENERAL CONDITIONS	.4
FGFACILITY CONDITIONS	.6
APPENDIX A	7

COMMON ACRONYMS

AQD BACT CAA CAM CEMS CFR COMS Department/department EU FG GACS GC GHGS HVLP ID IRSL ITSL LAER MACT MAERS MAP MDEQ MSDS NA NAAQS NESHAP NSPS NSR PS PSD PTE PTI RACT ROP SC SCR SCR SCR SRN TBD TEQ USEPA/EPA VE	Air Quality Division Best Available Control Technology Clean Air Act Compliance Assurance Monitoring Continuous Emission Monitoring System Code of Federal Regulations Continuous Opacity Monitoring System Michigan Department of Environmental Quality Emission Unit Flexible Group Gallons of Applied Coating Solids General Condition Greenhouse Gases High Volume Low Pressure* Identification Initial Risk Screening Level Initial Threshold Screening Level Lowest Achievable Emission Rate Maximum Achievable Control Technology Michigan Department of Environmental Quality Material Safety Data Sheet Not Applicable National Ambient Air Quality Standards National Emission Standard for Hazardous Air Pollutants New Source Performance Standards New Source Review Performance Specification Prevention of Significant Deterioration Permanent Total Enclosure Permit to Install Reasonable Available Control Technology Renewable Operating Permit Special Condition Selective Catalytic Reduction State Registration Number To Be Determined Toxicity Equivalence Quotient United States Environmental Protection Agency Visible Emissions
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POLLUTANT / MEASUREMENT ABBREVIATIONS

acfm BTU °C	Actual cubic feet per minute British Thermal Unit
co	Degrees Celsius
CO ₂ e	Carbon Monoxide Carbon Dioxide Equivalent
dscf	Dry standard cubic foot
dscm	Dry standard cubic note
°F	Degrees Fahrenheit
	Grains
gr HAP	Hazardous Air Pollutant
Hg	Mercury
hr	Hour
HP	Horsepower
H ₂ S	Hydrogen Sulfide
kW	Kilowatt
lb	Pound
m	Meter
mg	Milligram
mm	Millimeter
MM	Million
MW	Megawatts
NMOC	Non-Methane Organic Compounds
NOx	Oxides of Nitrogen
ng	Nanogram
РМ	Particulate Matter
PM10	Particulate Matter equal to or less than 10 microns in diameter
PM2.5	Particulate Matter equal to or less than 2.5 microns in diameter
pph	Pounds per hour
ppm	Parts per million
ppmv	Parts per million by volume
ppmw	Parts per million by weight
psia	Pounds per square inch absolute
psig	Pounds per square inch gauge
scf	Standard cubic feet
Sec	Seconds
SO ₂	Sulfur Dioxide
TAC	Toxic Air Contaminant
Temp	Temperature
THC	Total Hydrocarbons
tpy	Tons per year
μg	Microgram
μm	Micrometer or Micron
VOC	Volatile Organic Compounds
yr	Year

GENERAL CONDITIONS

- 1. The process or process equipment covered by this permit shall not be reconstructed, relocated, or modified, unless a Permit to Install authorizing such action is issued by the Department, except to the extent such action is exempt from the Permit to Install requirements by any applicable rule. (R 336.1201(1))
- 2. If the installation, construction, reconstruction, relocation, or modification of the equipment for which this permit has been approved has not commenced within 18 months, or has been interrupted for 18 months, this permit shall become void unless otherwise authorized by the Department. Furthermore, the permittee or the designated authorized agent shall notify the Department via the Supervisor, Permit Section, Air Quality Division, Michigan Department of Environmental Quality, P.O. Box 30260, Lansing, Michigan 48909-7760, if it is decided not to pursue the installation, construction, reconstruction, relocation, or modification of the equipment allowed by this Permit to Install. (R 336.1201(4))
- 3. If this Permit to Install is issued for a process or process equipment located at a stationary source that is not subject to the Renewable Operating Permit program requirements pursuant to Rule 210 (R 336.1210), operation of the process or process equipment is allowed by this permit if the equipment performs in accordance with the terms and conditions of this Permit to Install. (R 336.1201(6)(b))
- 4. The Department may, after notice and opportunity for a hearing, revoke this Permit to Install if evidence indicates the process or process equipment is not performing in accordance with the terms and conditions of this permit or is violating the Department's rules or the Clean Air Act. (R 336.1201(8), Section 5510 of Act 451, PA 1994)
- 5. The terms and conditions of this Permit to Install shall apply to any person or legal entity that now or hereafter owns or operates the process or process equipment at the location authorized by this Permit to Install. If the new owner or operator submits a written request to the Department pursuant to Rule 219 and the Department approves the request, this permit will be amended to reflect the change of ownership or operational control. The request must include all of the information required by subrules (1)(a), (b), and (c) of Rule 219 and shall be sent to the District Supervisor, Air Quality Division, Michigan Department of Environmental Quality. (R 336.1219)
- 6. Operation of this equipment shall not result in the emission of an air contaminant which causes injurious effects to human health or safety, animal life, plant life of significant economic value, or property, or which causes unreasonable interference with the comfortable enjoyment of life and property. (R 336.1901)
- 7. The permittee shall provide notice of an abnormal condition, start-up, shutdown, or malfunction that results in emissions of a hazardous or toxic air pollutant which continue for more than one hour in excess of any applicable standard or limitation, or emissions of any air contaminant continuing for more than two hours in excess of an applicable standard or limitation, as required in Rule 912, to the Department. The notice shall be provided not later than two business days after start-up, shutdown, or discovery of the abnormal condition or malfunction. Written reports, if required, must be filed with the Department within 10 days after the start-up or shutdown occurred, within 10 days after the abnormal conditions or malfunction has been corrected, or within 30 days of discovery of the abnormal condition or malfunction, whichever is first. The written reports shall include all of the information required in Rule 912(5). (R 336.1912)
- 8. Approval of this permit does not exempt the permittee from complying with any future applicable requirements which may be promulgated under Part 55 of 1994 PA 451, as amended or the Federal Clean Air Act.
- 9. Approval of this permit does not obviate the necessity of obtaining such permits or approvals from other units of government as required by law.
- 10. Operation of this equipment may be subject to other requirements of Part 55 of 1994 PA 451, as amended and the rules promulgated thereunder.

Detroit Ready Mix Concrete, Inc. (M4112) Permit No. 32-19

- 11. Except as provided in subrules (2) and (3) or unless the special conditions of the Permit to Install include an alternate opacity limit established pursuant to subrule (4) of Rule 301, the permittee shall not cause or permit to be discharged into the outer air from a process or process equipment a visible emission of density greater than the most stringent of the following. The grading of visible emissions shall be determined in accordance with Rule 303 (R 336.1303). (R 336.1301)
 - a) A six-minute average of 20 percent opacity, except for one six-minute average per hour of not more than 27 percent opacity.
 - b) A visible emission limit specified by an applicable federal new source performance standard.
 - c) A visible emission limit specified as a condition of this Permit to Install.
- 12. Collected air contaminants shall be removed as necessary to maintain the equipment at the required operating efficiency. The collection and disposal of air contaminants shall be performed in a manner so as to minimize the introduction of contaminants to the outer air. Transport of collected air contaminants in Priority I and II areas requires the use of material handling methods specified in Rule 370(2). (**R 336.1370**)
- 13. The Department may require the permittee to conduct acceptable performance tests, at the permittee's expense, in accordance with Rule 1001 and Rule 1003, under any of the conditions listed in Rule 1001. (R 336.2001)

FGFACILITY CONDITIONS

DESCRIPTION: The following conditions apply source-wide to all process equipment including equipment covered by other permits, grand-fathered equipment and exempt equipment.

POLLUTION CONTROL EQUIPMENT: Fabric filter

I. EMISSION LIMIT(S)

NA

II. MATERIAL LIMIT(S)

NA

III. PROCESS/OPERATIONAL RESTRICTION(S)

 The permittee shall not operate FGFACILITY unless the fugitive dust control plan specified in Appendix A, or an alternate approvable plan submitted to the AQD District Supervisor, for all plant roadways, the plant yard, all material storage piles, and all material handling operations has been implemented and is maintained. (R 336.1371, R 336.1372, Act 451 324.5524)

IV. DESIGN/EQUIPMENT PARAMETER(S)

NA

V. TESTING/SAMPLING

Records shall be maintained on file for a period of five years. (R 336.1201(3))

NA

VI. MONITORING/RECORDKEEPING

Records shall be maintained on file for a period of five years. (R 336.1201(3))

 The permittee shall keep, in a satisfactory manner, records showing the annual potential to emit calculations for PM, in tons per year, for FGFACILITY. The permittee shall update the potential to emit calculation whenever a new permitted or exempt emission unit is installed, or whenever a permitted, exempt, or grandfathered emission unit is modified or removed. Potential to emit calculations shall be based on the maximum operational capacity of the equipment operated for the entire year, except they may account for applicable permit requirements or applicable laws or rules limiting the potential to emit. The permittee shall keep all records on file at the facility and make them available to the Department upon request. (Act 451 324.5524)

VII. <u>REPORTING</u>

NA

VIII. STACK/VENT RESTRICTION(S)

NA

IX. OTHER REQUIREMENT(S)

NA

Footnotes:

¹ This condition is state only enforceable and was established pursuant to Rule 201(1)(b).

APPENDIX A



Fugitive Dust Plan

Prepared for: Detroit Ready Mix Concrete, Inc. Detroit, Michigan

> February 1, 2019 Project No. 181809

248.324.2090 | Fishbeck, Thompson, Carr & Huber, Inc. www.ftch.com | engineers | scientists | architects | constructors 39500 MacKenzle Drive, Suite 100 Novi, Michigan 48377

Table of Contents

1.0	Introdu	uction1
2.0	Regula	tory Requirements1
	2.1	MCL 324.55241
	2.2	Opacity Requirements [MCL 324.5524(2)]1
		2.2.1 Storage Piles and Associated Material Handling [MCL 324.5524(3)]1
		2.2.2 State Operating Program and Record Keeping [MCL 324.5524(4) and (5)]2
	2.3	Michigan Rule 3712
	2.4	Michigan Rule 3722
3.0	Proces	s Description4
	3.1	Material Handling4
	3.2	Equipment Traffic4
	3.3	Storage Piles
4.0	Fugitiv	e Dust Plan Record Keeping5

List of Appendices

Appendix 1	MCL 324.5524
Appendix 2	Rules 371 and 372
Appendix 3	Equipment Specifications
Appendix 4	Record Keeping Form

List of Abbreviations/Acronyms

*C	Degrees Celsius
*F	Degrees Fahrenheit
DRM	Detroit Ready Mix Concrete, Inc.
FTCH	Fishbeck, Thompson, Carr & Huber, Inc.
MCL	Michigan Compiled Laws
MDEQ	Michigan Department of Environmental Quality
mph	miles per hour
PM	particulate matter
PTI	permit to install
Statute	MCL 324.5524
tpy	tons per year

i



1.0 Introduction

Detroit Ready Mix Concrete, Inc. (DRM) is located at 9189 Central Street, Detroit, Michigan. DRM has developed a Fugitive Dust Plan to present how the facility complies the requirements of MCL 324.5524 (Statute) and Michigan Rules 371 and 372 – included as Appendices 1 and 2, respectively.

This document outlines the requirements of the Rules and Statute and demonstrates how DRM complies. It includes a brief description of the applicable regulations, a description of emission units and processes covered by this Plan, and anticipated control methods.

This program is subject to change based on weather conditions, changes in materials stored onsite, or feedback from affected parties. DRM is committed to the process of continuously evaluating potential improvements to the procedures, equipment, and products it uses for controlling fugitive dust. Products will be substituted on a trial basis to determine their effectiveness before being introduced permanently.

This document meets the requirements for a Fugitive Dust Plan included in the Statute and Rules 371 and 372.

2.0 Regulatory Requirements

The MDEQ has requested that DRM establish a Fugitive Dust Program as described in the Statute to allow issuance of a permit to install (PTI) that will include an approved State Operating Plan or Fugitive Dust Plan. It must also meet the requirements of the Statute and Rules 371 and 372.

2.1 MCL 324.5524

Fugitive emissions from several industrial groups located in specific areas of Michigan are regulated under the Statute as described in the following Sections.

2.2 Opacity Requirements [MCL 324.5524(2)]

Opacity from fugitive dust emissions associated with roads, lots, and storage piles is limited to 5% measured using Test Reference Method 9D, which uses a specific point of measuring opacity and a 3-minute averaging time. Other sources of fugitive dust are limited to 20% using Test Reference Method 9d, although these limits do not apply at times in which the wind speed exceeds 25 mph.

2.2.1 Storage Piles and Associated Material Handling [MCL 324.5524(3)]

The Statute includes specific requirements for facilities with storage piles having potential uncontrolled emissions of greater than 50 tpy of PM and whose total potential uncontrolled emissions exceed 100 tpy of PM. These requirements, outlined in MCL 324.5524(3)(a)(i) through (iii) do not apply to the DRM facility as its emissions are much less than the thresholds referenced in the Statute.

DRM operates a fabric filter dust collector and an enclosure area for the mixer truck loading and cement handling activities to meet the requirements of MCL 324.5524(3)(a)(iv) (See Appendix 3 for equipment specifications).

Crushers, grinding mills, screening operations, bucket elevators, conveyor transfer points, conveyor bagging operations, storage bins, and fine product truck and railcar loading operations must be controlled by water or surfactant application, choke feeding, or equivalent method(s) of air pollution control.

The Statute also includes special requirements for the transporting materials with a silt content greater than 1%, including the use of completely enclosed trucks, tarps, or similar controls in MCL 324.5524(3)(c), though there are some exceptions for handling slag and vehicles with a capacity under two tons.

2/1/2019



2.2.2 State Operating Program and Record Keeping [MCL 324.5524(4) and (5)]

Sources of fugitive dust subject to the Statute requirements must develop an operating program or Fugitive Dust Plan subject to review and approval by the MDEQ. The Statute also lists information which must be included in an operating program or Fugitive Dust Plan for it to be considered *approvable*. Approved Fugitive Dust Programs must be incorporated into a legally enforceable order or PTI.

2.3 Michigan Rule 371

Michigan Rule 371 allows the MDEQ to request that a facility develop a Fugitive Dust Plan in the event that ambient air quality indicates a need to reduce fugitive emissions or if there have been a number of complaints. The Rule further details the types of information that must be included in a Fugitive Dust Plan and requires a description of bulk materials handled at the facility, control techniques used to reduce fugitive emissions, and record keeping methods that will be used to demonstrate compliance.

2.4 Michigan Rule 372

Rule 372 requires that facilities requiring a Fugitive Dust Plan may include typical control methods listed in the rule, as described below:

- (2) The following provisions apply to the loading or unloading of open storage piles of bulk materials as a source of fugitive dust:
 - (a) Open storage piles of bulk materials, hereinafter referred to as "piles", which meet any of the following 3 conditions need not be included in a fugitive dust control program:
 - All piles of the same material at a manufacturing or commercial location which have a total volume of less than 100 cubic meters (131 yards³).
 - Any piles at a manufacturing or commercial location if the total annual volumetric throughput of all the stored material at the site is less than 10,000 cubic meters (13,100 yards³).
 - (iii) Any single pile at a manufacturing or commercial location that has a volume of less than 42 cubic meters (55 yards³).
 - (b) Typical control methods for controlling fugitive emissions resulting from the loading or unloading of piles may include, but are not limited to, the following:
 - Completely enclosing the pile within a building furnished with department approved air pollution control equipment.
 - (ii) Using pneumatic conveying or telescopic chutes.
 - (iii) Spraying the working surface of the pile with water or dust-suppressant compound.
 - (iv) Directing engine exhaust gases that are generated by the machine used on the piles for loading or unloading upwards.
 - (v) Minimizing the drop distance from which the material is discharged into the pile. The drop distance shall be specified in the control program.
 - (vi) Periodic removal of spilled material in areas within 100 meters (328 feet) from the pile. The frequency of removal shall be specified in the control program.
- (3) All of the following provisions apply to the transporting of bulk materials as a source of fugitive dust:

(a) Trucks which have less than a 2-ton capacity that are used to transport sand, gravel, stones, peat, and topsoil are exempt from the provisions of this sub rule.

- (b) Typical control methods for controlling fugitive emissions resulting from the transporting of bulk materials by truck may include, but are not limited to, the following:
 - (i) Completely covering open-bodied trucks.
 - (ii) Cleaning the wheels and the body of each truck to remove spilled materials after the truck has been loaded.
 - (iii) Use of completely enclosed trucks.

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- (iv) Tarping the truck when operating empty if residue has not been completely removed after emptying.
- (v) Cleaning the residue from the inside of the truck after emptying.
- (vi) Loading trucks so that no part of the load making contact with any sideboard, side panel, or rear part of the load enclosure comes within 6 inches of the top part of the enclosure.
- (vii) Maintaining tight truck bodies so that leakages within the body will be eliminated and future leakages prevented.
- (viii) Spraying the material being transported in a vehicle with a dust suppressant. The frequency of spraying shall be specified in the control program.
- (ix) Restricting the speed of the vehicle which transports the material. The speed of the vehicle shall be specified in the control program.
- (4) The following provision applies to outdoor conveying as a source of fugitive dust:
- Typical control methods for controlling fugitive emissions resulting from conveying bulk materials may include, but are not limited to, the following:
 - (a) Completely enclosing all conveyor belts and equipping them with belt wipers and hoppers of proper size to prevent excessive spills.
 - (b) Enclosing transfer points and, if necessary, exhausting them to a baghouse or similar control device at all times when the conveyors are in operation.
 - (c) Equipping the conveyor belt with not less than 210-degree enclosures.
 - (d) Restricting the speed of conveyor belts. The belt speed shall be specified in the control program.
 - (e) Periodically cleaning the conveyor belt to remove the residual material. The frequency of cleaning shall be specified in the control program.
 - (f) Minimizing the distance between transfer points. The distance between transfer points shall be specified in the control program.
 - (g) Removing the spilled material from the ground under conveyors. The frequency of removal shall be specified in the control program.



3.0 Process Description

DRM operates a concrete batch plant at 9189 Central Street, Detroit, Michigan. Concrete is a mineral product, which is basically composed of water, cement, and aggregate, including medium and course sand. Supplementary cement materials are also added, depending on the type of mixture and desired product. The production of concrete starts with delivery of the raw materials to the plant location. Aggregate is delivered to ground storage piles and conveyed to elevated storage bins. Cement and cement supplement is delivered to the site and pneumatically conveyed to an elevated storage silo. From the elevated bins and silos, the desired amount of materials is gravity fed to weigh hoppers and then to the truck for mixing. Occasionally during the year, other building construction materials may also be stored at the site.

Total dust emissions from material storage piles result from several distinct activities within the storage cycle:

- Loading of material onto storage piles (batch or continuous drop operations).
- Equipment traffic in a storage area.
- Screening of aggregate.
- Loadout of material for shipment or for return to the process stream (batch or continuous drop operations).

3.1 Material Handling

Fugitive emissions can occur during material handling operations such as loading/unloading of bulk solid materials and onsite conveyance of the material. Either adding material to a storage pile or removing it from a pile typically involves dropping the material onto a receiving surface. A truck dumping onto a pile or loading out from the pile to a truck with a front-end loader are examples of **batch drop operations**. Adding material to the pile by a conveyor stacker is an example of a **continuous drop operation**. Employees are trained to identify material handling operations that can generate fugitive dust as well as methods to mitigate fugitive dust. These actions are summarized below:

- Material handling involves dropping material onto a receiving surface by use of a conveyor system, front-end loaders and/or truck dumping. Water will be employed during material handling operations if visible emissions are noted.
- Areas around the conveyor belts and transfer points will be maintained throughout the process by removing debris from around these points.
- Stacker operations will be limited when average wind speeds exceed 25 mph over two consecutive 5-minute intervals.
- Head ends of conveyors to all drop points shall have a minimal height as operationally practical.
- Material loading and unloading from trucks will occur in a timely and efficient manner to minimize transfer time.
- Trucks hauling bulk materials will be covered with tarps as required by the Statute.

3.2 Equipment Traffic

Fugitive emissions can occur from truck traffic or from other equipment, like front-end loaders. To control fugitive emissions from equipment traffic, the following measures will be employed:

- Open areas/lots and roadways will be treated with water, calcium chloride, or other approved fugitive dust
 control compounds via watering trucks to comply with the opacity limits. Water will not be applied during
 freezing temperatures or when precipitation is occurring.
- Roadways will be swept as needed (see Appendix 3 for sweeper information).
- Material spilled onto roadways or open areas/lots will be cleaned immediately.
- A speed limit of 8 mph is enforced on all site roadways.

2/1/2019





Material will be removed from the tires and underside of trucks exiting the site by use of rumble strips, a
gravel pad and/or water wash of the tires and the underside of the truck.

3.3 Storage Piles

Storage piles are located throughout the facility. Figure 2 of the PTI provides a current layout of the facility. Fugitive emissions occur during material handling at the facility when material is dropped from/to a conveyor system, front-end loader or from truck dumping. Water is employed during material handling operations as needed to control visible emissions. In addition:

- All storage piles will be treated with water to comply with the opacity limits. Additional chemical dust suppressant solutions will be used, if needed.
- Weather conditions, such as during dry and windy conditions, may warrant regular water treatment.
- DRM personnel will monitor weather conditions and will use Ambient Weather WS-2902A Weather Station
 or similar technology to measure wind speed and direction to ensure that onsite material handling activities
 are limited when average wind speeds exceed 20 mph for more than two consecutive 5-minute periods.
- Water treatment will not be required during freezing conditions or when adequate moisture is present.
- Sweeping around the storage piles will be conducted as necessary.
- Pile heights will be limited to 50 feet to minimize wind shear effects on the piles.

Figure 2 of the PTI presents a typical site map indicating possible locations for storage piles and other site information.

4.0 Fugitive Dust Plan Record Keeping

DRM has developed a record keeping form (Appendix 4) and keeps records of:

- Weather conditions (wind direction/speed)
- Records of paved/unpaved roads and lots sweeping activities
- Records of all dust suppressant (water and other) applied to roadways, storage piles and open areas/lots

The log sheet will generally be filled out in the morning on days the facility is operating and used for planning fugitive dust control activities for the day. Records will be kept in a log format and will be kept for a minimum of three years. Safety data sheets will also be available for any dust suppressants used at the site beside water.

This Plan also needs to clearly identify the site address and responsible person with contact information:

Mr. Bunky Wheatley, President Detroit Ready Mix Concrete, Inc. 9189 Central Street Detroit, MI 48204 Phone: 313.931.7043

2/1/2019

Appendix 1

NATURAL RESOURCES AND ENVIRONMENTAL PROTECTION ACT (EXCERPT) Act 451 of 1994

324.5524 Fugitive dust sources or emissions.

Sec. 5524. (1) The provisions of this section, including subsection (2), shall apply to any fugitive dust source at all mining operations, standard industrial classification major groups 10 through 14; manufacturing operations, standard industrial classification major groups 20 through 39; railroad transportation, standard industrial classification major group 40; motor freight transportation and warehousing, standard industrial classification major group 42; electric services, standard industrial classification group 49; standard industrial classification group 49; standard industrial classification group 49; which are located in areas listed in table 36 of R 336.1371 of the Michigan administrative code.

(2) Except as provided in subsection (8), a person responsible for any fugitive dust source regulated under this section shall not cause or allow the emission of fugitive dust from any road, lot, or storage pile, including any material handling activity at a storage pile, that has an opacity greater than 5% as determined by reference test method 9d. Except as otherwise provided in subsection (8) or this section, a person shall not cause or allow the emission of fugitive dust from any other fugitive dust source that has an opacity greater than 20% as determined by test method 9d. The provisions of this subsection shall not apply to storage pile material handling activities when wind speeds are in excess of 25 miles per hour (40.2 kilometers per hour).

(3) In addition to the requirements of subsection (2), and except as provided in subdivisions (e), (f), and (g), a person shall control fugitive dust emissions in a manner that results in compliance with all of the following provisions:

(a) Potential fugitive dust sources shall be maintained and operated so as to comply with all of the following applicable provisions:

(i) All storage piles of materials, where the total uncontrolled emissions of fugitive dust from all such piles at a facility is in excess of 50 tons per year and where such piles are located within a facility with potential particulate emissions from all sources including fugitive dust sources and all other sources exceeding 100 tons per year, shall be protected by a cover or enclosure or sprayed with water or a surfactant solution, or treated by an equivalent method, in accordance with the operating program required by subsection (4).

(ii) All conveyor loading operations to storage piles specified in subparagraph (i) shall utilize spray systems, telescopic chutes, stone ladders, or other equivalent methods in accordance with the operating program required by subsection (4). Batch loading operations to storage piles specified in subparagraph (i) shall utilize spray systems, limited drop heights, enclosures, or other equivalent methods in accordance with the operating program required by subsection (4). Unloading operations from storage piles specified in subparagraph (i) shall utilize spray systems, limited drop heights, enclosures, or other equivalent methods in accordance with the operating program required by subsection (4). Unloading operations from storage piles specified in subparagraph (i) shall utilize rake reclaimers, bucket wheel reclaimers, under-pile conveying, pneumatic conveying with baghouse, water sprays, gravity-feed plow reclaimer, front-end loaders with limited drop heights, or other equivalent methods in accordance with the operating program required by subsection (4).

(iii) All traffic pattern access areas surrounding storage piles specified in subparagraph (i) and all traffic pattern roads and parking facilities shall be paved or treated with water, oils, or chemical dust suppressants. All paved areas, including traffic pattern access areas surrounding storage piles specified in subparagraph (i), shall be cleaned in accordance with the operating program required by subsection (4). All areas treated with water, oils, or chemical dust suppressants shall have the treatment applied in accordance with the operating program required by subsection (4).

(iv) All unloading and transporting operations of materials collected by pollution control equipment shall be enclosed or shall utilize spraying, pelletizing, screw conveying, or other equivalent methods.

(v) Crushers, grinding mills, screening operations, bucket elevators, conveyor transfer points, conveyor bagging operations, storage bins, and fine product truck and railcar loading operations shall be sprayed with water or a surfactant solution, utilize choke-feeding, or be treated by an equivalent method in accordance with an operating program required under subsection (4). This subparagraph shall not apply to high-lines at steel mills.

(b) If particulate collection equipment is operated pursuant to this section, emissions from such equipment shall not exceed 0.03 grains per dry standard cubic foot (0.07 grams per cubic meter).

(c) A person shall not cause or allow the operation of a vehicle for the transporting of bulk materials with a silt content of more than 1% without employing 1 or more of the following control methods:

(i) The use of completely enclosed trucks, tarps, or other covers for bulk materials with a silt content of 20% or more by weight.

(ii) The use of tarps, chemical dust suppressants, or water in sufficient quantity to maintain the surface in a wet condition for bulk materials with a silt content of more than 5% but less than 20%.

(iii) Loading trucks so that no part of the load making contact with any sideboard, side panel, or rear part Rendered Thursday, April 5, 2018 Page 1 Michigan Complete Laws Complete Through PA 56 and includes 59-90 of 2018

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of the load comes within 6 inches of the top part of the enclosure for bulk materials with a silt content of more than 1% but not more than 5%.

(d) All vehicles for transporting bulk materials off-site shall be maintained in such a way as to prevent leakage or spillage and shall comply with the requirements of section 720 of the Michigan vehicle code, Act No. 300 of the Public Acts of 1949, being section 257.720 of the Michigan Compiled Laws, and with R 28.1457 of the Michigan administrative code

(e) The provisions of subdivisions (c) and (d) do not apply to vehicles with less than a 2-ton capacity that are used to transport sand, gravel, stones, peat, or topsoil.

(f) The provisions of subdivision (c)(i) and (ii) do not apply to fly ash which has been thoroughly wetted and has the property of forming a stable crust upon drying.

(g) The provisions of subdivision (c) do not apply to the transportation of iron or steel slag if the vehicles do not leave the facility and the slag has a temperature of 200 degrees fahrenheit or greater.

(4) All fugitive dust sources subject to the provisions of this section shall be operated in compliance with both the provisions of an operating program that shall be prepared by the owner or operator of the source and submitted to the department and with applicable provisions of this section. Such operating program shall be designed to significantly reduce the fugitive dust emissions to the lowest level that a particular source is capable of achieving by the application of control technology that is reasonably available, considering technological and economic feasibility. The operating program shall be implemented with the approval of the department.

(5) The operating program required by subsection (4) is subject to review and approval or disapproval by the department and shall be considered approved if not acted on by the department within 90 days of submittal. All programs approved by the department shall become a part of a legally enforceable order or as part of an approved permit to install or operate. At a minimum, the operating program shall include all of the following:

(a) The name and address of the facility.

(b) The name and address of the owner or operator responsible for implementation of the operating program.

(c) A map or diagram of the facility showing all of the following:

(1) Approximate locations of storage piles.

(ii) Conveyor loading operations.

(iii) All traffic patterns within the facility.

(d) The location of unloading and transporting operations with pollution control equipment.

(e) A detailed description of the best management practices utilized to achieve compliance with this section, including an engineering specification of particulate collection equipment, application systems for water, oil, chemicals, and dust suppressants utilized, and equivalent methods utilized.

(f) A test procedure, including record keeping, for testing all waste or recycled oils used for fugitive dust control for toxic contaminants.

(g) The frequency of application, application rates, and dilution rates if applicable, of dust suppressants by location of materials.

(h) The frequency of cleaning paved traffic pattern roads and parking facilities.

(i) Other information as may be necessary to facilitate the department's review of the operating program.

(6) Except for fugitive dust sources operating programs approved by the department pursuant to R. 336.1373 of the Michigan administrative code between April 23, 1985 and May 12, 1987, the owner or operator of a source shall submit the operating program required by subsection (4) to the department by August 12, 1987.

(7) The operating program required by subsection (4) shall be amended by the owner or operator so that the operating program is current and reflects any significant change in the fugitive dust source or fugitive dust emissions. An amendment to an operating program shall be consistent with the requirements of this section and shall be submitted to the department for its review and approval or disapproval.

(8) Upon request by the owner or operator of a fugitive dust source, the department may establish alternate provisions to those specified in this section, if all of the following conditions are met:

(a) The fugitive dust emitting process, operation, or activity is subject to either of the following:

(i) The opacity limits of subsection (2).

(ii) The spray requirements of subsection (3)(a)(i) to (v).

(b) An alternate provision shall not be established by the department unless the department is reasonably convinced of all of the following:

(i) That a fugitive dust emitting process, operation, or activity subject to the alternate provisions is in compliance or on a legally enforceable schedule of compliance with the other rules of the department. Rendered Thursday, April 5, 2018

Page 2 Michigan Compiled Laws Complete Through PA 56 and includes 58-90 of 2018

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(ii) That compliance with the provisions of this section is not technically or economically reasonable. (iii) That reasonable measures to reduce fugitive emissions as required by this section have been implemented in accordance with or will be implemented in accordance with a schedule approved by the department.

(9) Any alternate provisions approved by the department pursuant to subsection (8) shall be submitted to the United States environmental protection agency as an amendment to the state implementation plan.

History: 1994, Act 451, Eff. Mar. 30, 1995. Popular name: Act 451 Popular name: NREPA

Rendered Thursday, April 5, 2018

Page 3 Michigan Complete Laws Complete Through PA 56 and includes 58-90 of 2018 *Courtesy of www.legislature.mi.gov*

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Appendix 2

R 336.1371 Fugitive dust control programs other than areas listed in table 36. Rule 371.

- (1) Based on ambient air quality measurements or substantive complaints, the department may request that the person who is responsible for the operation of any facility which processes, uses, stores, transports, or conveys bulk materials, such as, but not limited to, coal, coke, metal ores, limestone, cement, sand, gravel, and material from air pollution control devices, or a facility which has activities specifically identified in R 336.1372 and which facility is in an area not listed in table 36, submit a fugitive dust control program. The department shall notify the person who is responsible for the operation of the facility of the provisions of R 336.1372 which apply to the facility and the reasons for the department's notification. Except as provided in subrule (3) of this rule, the control program shall be submitted to the department not later than 6 months after notification.
- (2) A fugitive dust control program which is required by subrule (1) of this rule shall be in writing and shall provide for all of the following:
 - (a) Using l or more combinations of available technologies, operating practices, or methods listed in R 336.1372 as are reasonably necessary to control fugitive dust emissions.
 - (b) Consideration of the quantity, moisture content, specific gravity, and the particle size distribution of the bulk materials. The more friable, drier, lighter, and finer the bulk material is, the more effective the fugitive dust control methods incorporated into the control program shall be.
 - (c) The keeping and maintenance of records consistent with the various activities to be implemented under the control program.
 - (d) Identification of the control technologies, methods, or control equipment, if any, to be implemented or installed and the schedule, including increments of progress, for implementation or installation.
- (3) Within 3 months following notification by the department that a fugitive dust control program is required, the person who is responsible for operating the facility has the opportunity to demonstrate, to the satisfaction of the department, that any part of the facility is not subject to the provisions of this rule.
- (4) If a control program is not submitted within 6 months after notification by the department, then the department may proceed, pursuant to the act, toward the entry of a final order which contains a control program that meets the requirements of subrule (2) of this rule.
- (5) The control program is subject to review and approval by the department. The department shall approve a control program only upon the entry of a legally enforceable order or as part of an approved permit to install or operate. If, in the opinion of the department, the program does not adequately meet the requirements set forth in subrule (2) of this rule, then the department may disapprove the program, state its reasons for disapproval, and require the preparation and submittal of an amended program within a specified time period. If, within the specified time period, an amended program is either not submitted or is submitted but, in the opinion of the department, fails to meet the requirements of subrule (2) of this rule, then the department may proceed, pursuant to the act, toward the entry of a final order which contains a control program that meets these requirements.
- (6) After approval by the department, the person who is responsible for the preparation of the control program shall begin implementation of the program pursuant to the schedule contained in the control program.
- (7) Either the person who is responsible for a facility or the department may request a revision to a department-approved control program to meet changing conditions. The department shall review the revision following the requirements of subrule (5) of this rule.

Page 1 of 5

(8) Table 6 reads as follows:

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TABLE 30
Area
T14N, R5E, Sections 14 to 16 and 21 to 23.
T2S, R4W, Section 34.
T39N, R22W, Sections 19, 30, south one-half of 17, and south one-half of 18.
Starting on Industrial Avenue, north to Pierson Road, east to Dort Highway, south to Hitchcock Street, south to Olive Avenue (extended), south to Robert T. Longway Boulevard, west and southwest to Industrial Avenue.
7N, R12E, that portion of Section 17 which lies south of M-21 and east of Fairground Road. Macomb T4N, R14E, Sections 27, 28, 33, and 34.
T21N, R16W, Sections 7, 18, and 19; T21N, R17W, Sections 12 and 13.
T14N, R2E, Sections 14 to 16, 21 to 23, 26 to 28, and 33 to 35.
Starting where Sandy Creek empties into Lake Erie, northwest to Maple Avenue (extended north-northeast), southwest to Elm Avenue, west to Herr Road, south to Dunbar Road and east to Plum Creek (which empties into Lake Erie).
T9N, R16W, Sections 5 and 6; T10N, R16W, Sections 21, 22, and 27 to 34.
Northeast section: starting on Tittabawassee Road, east to I-75, south to Wadsworth Avenue, west to I-675, west and north to Tittabawassee Road. Southwest section: T12N, R4E, the eastern half of Section 34 (that which is east of Maple Street) and Section 35.
T6N, R17E, Sections 2 to 4, 9 to 11, 14 to 16, 21, 22, and 28.
Area included within the following (counter clockwise): Lake St. Clair to Moross Road to Seven Mile Road to Vandyke Road to Eight Mile Road to Wyoming Road to Seven Mile Road to Schaeffer Road to Fenkell Road to Greenfield Avenue to Joy Road to Southfield Expressway to Ford Road to Telegraph Road to Cherry Hill Road to Beech-Daly Road (extended) to Michigan Avenue to Inkster Road to Carlysle Street to Middle Belt Road to Vanborn Road to Wayne Road to Pennsylvania Road to Middle Belt Road to Sibley Road to Telegraph Road to King Road to Grange Road to Sibley Road to Jefferson Avenue to Bridge Street (Grosse Ile) extended to Detroit River. Also included is that portion of the City of Riverview which is south of Sibley Road and the City of Trenton.

History: 1981 AACS; 1985 AACS; 2002 AACS.

R 336.1372 Fugitive dust control program; required activities; typical control methods. Rule 372.

- (1) A fugitive dust control program which is required by R 336.1371 and which deals with 1 or more of the fugitive dust sources listed in this rule may include any of the typical control methods listed in this rule for that source.
- (2) The following provisions apply to the loading or unloading of open storage piles of bulk materials as a source of fugitive dust:
 - (a) Open storage piles of bulk materials, hereinafter referred to as "piles", which meet any of the following 3 conditions need not be included in a fugitive dust control program:
 - All piles of the same material at a manufacturing or commercial location which have a total volume of less than 100 cubic meters (131 yards3).
 - (ii) Any piles at a manufacturing or commercial location if the total annual volumetric throughput of all the stored material at the site is less than 10,000 cubic meters (13,100 yards3).
 - (iii) Any single pile at a manufacturing or commercial location that has a volume of less than 42 cubic meters (55 yards3).
 - (b) Typical control methods for controlling fugitive emissions resulting from the loading or unloading of piles may include, but are not limited to, the following:
 - Completely enclosing the pile within a building furnished with department approved air pollution control equipment.
 - (ii) Using pneumatic conveying or telescopic chutes.
 - (iii) Spraying the working surface of the pile with water or dust-suppressant compound.
 - (iv) Directing engine exhaust gases that are generated by the machine used on the piles for loading or unloading upwards.
 - (v) Minimizing the drop distance from which the material is discharged into the pile. The drop distance shall be specified in the control program.
 - (vi) Periodic removal of spilled material in areas within 100 meters (328 feet) from the pile. The frequency of removal shall be specified in the control program.
- (3) All of the following provisions apply to the transporting of bulk materials as a source of fugitive dust:
 - (a) Trucks which have less than a 2-ton capacity that are used to transport sand, gravel, stones, peat, and topsoil are exempt from the provisions of this subrule.
 - (b) Typical control methods for controlling fugitive emissions resulting from the transporting of bulk materials by truck may include, but are not limited to, the following:
 - Completely covering open-bodied trucks.
 - (ii) Cleaning the wheels and the body of each truck to remove spilled materials after the truck has been loaded.
 - (iii) Use of completely enclosed trucks.
 - (iv) Tarping the truck when operating empty if residue has not been completely removed after emptying.
 - (v) Cleaning the residue from the inside of the truck after emptying.
 - (vi) Loading trucks so that no part of the load making contact with any sideboard, side panel, or rear part of the load enclosure comes within 6 inches of the top part of the enclosure.
 - (vii) Maintaining tight truck bodies so that leakages within the body will be eliminated and future leakages prevented.

Page 3 of 5

- (viii) Spraying the material being transported in a vehicle with a dust suppressant. The frequency of spraying shall be specified in the control program.
- (ix) Restricting the speed of the vehicle which transports the material. The speed of the vehicle shall be specified in the control program.
- (4) The following provision applies to outdoor conveying as a source of fugitive dust: Typical control methods for controlling fugitive emissions resulting from conveying bulk materials may include, but are not limited to, the following:
 - (a) Completely enclosing all conveyor belts and equipping them with belt wipers and hoppers of proper size to prevent excessive spills.
 - (b) Enclosing transfer points and, if necessary, exhausting them to a baghouse or similar control device at all times when the conveyors are in operation.
 - (c) Equipping the conveyor belt with not less than 210-degree enclosures.
 - (d) Restricting the speed of conveyor belts. The belt speed shall be specified in the control program.
 - (e) Periodically cleaning the conveyor belt to remove the residual material. The frequency of cleaning shall be specified in the control program.
 - (f) Minimizing the distance between transfer points. The distance between transfer points shall be specified in the control program.
 - (g) Removing the spilled material from the ground under conveyors. The frequency of removal shall be specified in the control program.
- (5) The following provisions apply to roads and lots as sources of fugitive dust:
 - (a) Roads and lots which are located within industrial, commercial, and government-owned facilities and which meet the following 2 conditions are not subject to the requirement of submitting a fugitive dust control program:
 - (i) The traffic volume is less than 10 vehicles per day on a monthly average.
 - (ii) The lots are less than 500 square meters (5,382 feet2) in area.
 - (b) Typical control methods for controlling fugitive emissions resulting from roads and lots located within industrial, commercial, and government-owned facilities may include, but are not limited to, the following:
 - Paving roads and parking lots with a hard material, such as concrete, asphalt, or an equivalent which is approved by the department.
 - (ii) Mechanically cleaning paved surfaces by vacuum sweeping, wet sweeping, or flushing. The frequency of cleaning shall be specified in the control program.
 - (iii) Washing the wheels of every truck leaving the plant premises.
 - (iv) Treating the roads and lots with oil or a dust-suppressant compound which is approved by the department. The frequency of application shall be specified in the control program.
 - (v) Periodically maintaining off-road surfaces with gravel where trucks have frequent access. The frequency of maintenance shall be specified in the control program.
- (6) The following provisions apply to inactive storage piles as sources of fugitive dust:
 - (a) Inactive storage piles that are less than or equal to 500 cubic meters (654 yards3) in volume are not subject to the requirement of submit-ting a fugitive dust control program.
 - (b) Typical control methods for controlling fugitive emissions resulting from inactive storage piles may include, but are not limited to, the following:
 - (i) Completely covering the pile with tarpaulin or other material approved by the department.
 - (ii Completely enclosing the pile within a building.
 - (iii) Enclosing the pile with not less than 3 walls so that no portion of the stored material is higher than the walls.

Page 4 of 5

- (iv) Periodically spraying the piles with water or other dust-suppressant compound approved by the department. The frequency of application shall be specified in the control program.
- (v) Growing vegetation on and around the pile.
- (7) The following provisions apply to building ventilation as a source of fugitive dust:
 - (a) This subrule is applicable to all of the following:
 - (i) Ferrous and nonferrous foundries.
 - Electric arc furnaces, blast furnace casthouses, sinter plants, and basic oxygen processes at iron and steel production facilities.
 - (iii) Metal heat treating.
 - (iv) Metal forging.
 - (v) Bulk material handling, storage, drying, screening, and crushing.
 - (vi) Metal fabricating and welding.
 - (vii) Briquetting, sintering, and pelletizing operations.
 - (viii) Machining and pressing of metal.
 - (ix) Stone, clay, and glass production.
 - (x) Lime, cement, and gypsum production.
 - (xi) Chemical and allied product production.
 - (xii) Asphalt and concrete mixing operations.
 - (b) Typical control methods for controlling fugitive emissions resulting from building openings, such as roof monitors, powered and unpowered ventilators, doors, windows, and holes in the building structure integrity, may include, but are not limited to, the following:
 - Exhausting the entire building to a dust collection system which is acceptable to the department.
 - Using local hoods connected to a dust collection system to capture emissions within the building.
 - (iii) Establishing and maintaining operating procedures and internal housekeeping practices (specify details).
 - (iv) Installing removable filter media across the vent openings.
- (8) The following provisions apply to fugitive dust emissions from construction, renovation, or demolition activities located in priority I areas:
 - (a) This subrule is applicable to the owner or prime contractor, except for those owners or prime contractors who construct, renovate, or demolish less than 12 single family dwelling units per year.
 - (b) Typical control methods for controlling fugitive dust emissions from construction, renovation, or demolition activities may include, but are not limited to, the following:
 - Spraying of all work areas with water or other dust-suppressant compound which is approved by the department.
 - (ii) Completely covering the debris, excavated earth, or other airborne materials with tarpaulin or any other material which is approved by the department.
 - (iii) Any other method acceptable to the department.

History: 1981 AACS; 2002 AACS.

Page 5 of 5

Detroit Ready Mix Concrete, Inc. (M4112) Permit No. 32-19 March 25, 2019 Page 24 of 31

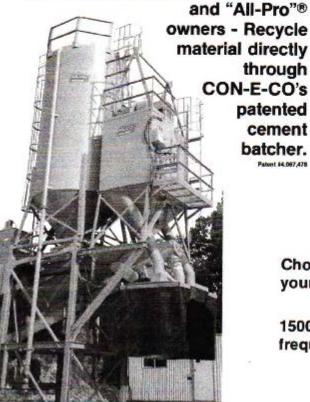
Appendix 3



DUST COLLECTION

Mixer Dust Collector with grade level understructure and optional material recycle pod.

Or choose an understructure specifically designed for "Lo-Pro"®





Choose from models custom fit to your concrete producing needs.

1500 or 1000 square foot high frequency or reverse air cleaning.



Attachment B pg 1 064

Quality • Performance • Service



concrete equipment company SPECIFICATIONS FOR THE MODEL V120-1000-15 MIXER FILTER VENT

HODEL V120-1000 SPECIFICATIONS TOTAL CLOTH AREA NUMBER OF BAGS HOUSING HEIGHT (WITH BLOWER) HOUSING WIDTH & LENGTH BAG CLEANING METHOD MAXIMUM OPERATING TEMPERATURE BLOWER HORSEPOWER BLOWER CAPACITY AIR TO CLOTH RATIO

1000 SQ. FT. 120 11'-6" 6'-0" X 8'-0" HIGH FREQUENCY AIR VIBRATOR 275 DEGREES F 15 9000 CFM (@ 7.1 WATER) 9.0 TO 1

BAG SPECIFICATIONS BAG DIAMETER BAG LENGTH CONSTRUCTION FIBER FINISH WEIGHT THICKNESS MULLEN BURST PERMEABILITY RANGE (0.5" WATER) EFFICIENCY

5 " 77" SEAMLESS POLYESTER HEAT SET 10.5 OZ./SQ. YD. 0.022" 275 PSI (Min) 30-55 CFM/SQ. FT. 99.98 (*)

MIXER SHROUD SPECIFICATIONS

SHROUD SIZE CURTAIN LENGTH	6'-0" x 8'-0" 6'-0"
CAPTURE VELOCITY (with mixer truck	
in loading position)	205 FT/MIN
DUCT SIZE	(2) - 14" DIA
DUCT VELOCITY	4900 FT/MIN

*Based on the "Silica Dust Efficency Test"

The silica test is in accordance with the Federal Register 30 CFR-11 and measures the efficiency of the filter media along with the resulting resistance to air flow. Silica dust particles having a mean size of 0.5 microns are generated in the test chamber at a concentration level of no less than 50 milligrams per cubic meter and no more than 60 milligrams per cubic meter. The filter media is tested at a constant flow rate of 32 liters per minute (1.1 CFM) for a period of 90 minutes. The dust particles which leaked through the filter media are collected on a positive filter Tobias was not recommended because he appears to be over qualified and salary requirements are beyond position

ATTACHMENT B 1 QUALITY . PERFORMANCE . SERVICE

PLANT CPMB DUREAU

237 N. 13TH STREET # P.O. BOX 430 # BLAIR, NE 63008 # (402) 426-4181 # FAX (402) 426-4180

5

V-SERIES

MAINTENANCE & OPERATION

OPERATION

The CON-E-CO V-Series Dust Collectors are designed for efficient operation and cleaning. The contaminated air enters the dust collector through the lower dust collection hopper. In this chamber, many of the heavy dust particles settle out of the air stream into the hopper bottom due to a reduction of air velocity. From the collection hopper, the dust laden air flows up through the inside of the filter bags where the dust particles are trapped by the filter bags thus allowing the clean air to pass through the bags into the clean air chamber. From there, the air flows through the blower and into the atmosphere.

BAG CLEANING

ATTACHMENT B page 3054

The V-Series dust collector cleans the filter bags by automatically turning on the vibrators located above the bags. Two vibrators clean one side for three minutes, then the remaining two vibrators clean the opposite side for three minutes. The cleaning cycle is automatically activated by a timer in the service panel. The duration is adjusted by changing the timer setting in the control panel. The blower must not be running for the V-Series cleaning cycle.

The control panel is equipped with a magnehelic gauge to indicate when the filter bags should be cleaned. It will normally require several weeks to establish a nominal operating pressure. This is because it all takes time for the filter media to establish a small even coating on the bag skin to reach maximum operating effectiveness.

The pressure shown on the magnehelic gauge should be lower after each cleaning. The amount of the decrease depends on how much dust was caked on the filter bags before cleaning. The longer the time between cleaning, the greater the expected pressure change from before and after cleaning.

The dust collection hopper is cleaned by opening the butterfly valve and activating the air vibrator located on the side of the hopper. The operator is responsible for controlling the hopper cleaning. Clean the dust collection hopper often enough to prevent excess build up. The blower must not be running while cleaning the collecting hopper.

1

The time interval between cleaning cycles is best determined by experience. The time between cleaning cycles is adjusted by changing a timer in the electrical control panel. Examine the bags each week to check for excessive build up on the inside of the bags. If excessive build up occurs, decrease the time between cleaning cycles. The best efficiency and longest bag life is obtained by cleaning the bags only as often as necessary. A small even coating of material should coat the inside of the filter bags for the most effective filtration. The dust cakes on the inside of the bags to help filter the fine particles; so if bags are cleaned too often, part of their cleaning efficiency is

MAINTENANCE

The filter bags can be removed, laundered, and inspected for tears and thin places. Mending or repair of the seamless bags is not recommended. The bags are made of dacron fabric and will launder very well and will not shrink. Replacement bags are available from CON-E-CO.

SPARE PARTS

Parts should be ordered from Manufacturer to insure compatibility. If parts are needed, obtain the serial number from the blower name plate and call the factory. A complete detailed record of the baghouse model is on file at CON-E-CO.

SAFETY INFORMATION

This CON-E-CO dust collector, like other industrial equipment, must be operated and maintained in accordance with our instructions and sound engineering practices. The user of this equipment must always be aware of the physical and chemical properties of the dust particles being collected. Materials or processes presenting such hazards must be identified by the user.

ATTACHMENT B Pg. 4064

2

PowerBoss The Power of Llean	ATTACHMEN	<u>'</u>]	AT		
Dealer I	nformation:	Sine .	Cust		t Information:
Powerboss			the state of the s	Mix Concrete, Inc.	
Greg Laskaska			Amy Pounds		
25920 Northline Commerc	e Dr. Suite 400		9189 Central		
Taylor	Mi		Detroit		Mi
48180	11/03/2016		48204		11.03/2016
Work Phone 734-947-560	3		Work Phone 3	13-931-7043	11.03/2010
Cell Phone 734-216-6796			Cell Phone	10 0011010	
Fax 734-946-3594			Fax		
greg@deaning-supplies.com		-	Email		
Specifications	A CONTRACTOR OF A DESCRIPTION OF A DESCRIPANTE OF A DESCRIPTION OF A DESCRIPTION OF A DESCRIPTION OF A DESCR	and the second	Dimension	IS	State of States and
Maximum coverage:	184,800 sq ft/h	and the second	Length x width :	x height-	99.5" x 64" x 59"
Sweeping work width:	64 in		Weight ready fo		3,460 lbs
Main broom:	48 in			1	-,
Side broom:	26 in				
Hopper type:	multi level high dump	to 60"			
Hopper volume:	16 cu ft			3	
Hopper load capacity:	1,200 lbs		Quote Number:		den and and
Engine: Panel filter:	gasoline, diesel, or LF (1) 95 sq ft w/ shaker				Start A
Additional features:	power assisted steerin head & tail lights, hr n oil & temp. indicators	neter,			3 V
New 2016 62" Kubota	Diesel Sweeper		\$28,500.00		Statement of the local division of the local
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2016 Demo model with 28 I Includes, Proex & Wire Mai L.P. Gas Warranty 90 day travel 30 I 2013 LP Gas Model with 10 Includes, Proex & Wire Mai Overhead guard Warranty 30 days labor, 1 y 2011 LP Gas Model with 50 warranty 30 days Parts only	onths labor, 4 yrs Parts hours n Broom, R/S curb broom Days labor, 3 yrs Parts 6 hours n Broom, R/S curb broom rear Parts 0 hours		\$0.00 \$0.00 \$27,500.00 \$0.00 \$0.00 \$0.00 \$22,000.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	Manager	
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2016 Demo model with 28 I Includes, Proex & Wire Mai L.P. Gas Warranty 90 day travel 30 I 2013 LP Gas Model with 10 Includes, Proex & Wire Mai Overhead guard Warranty 30 days labor, 1 y 2011 LP Gas Model with 50 warranty 30 days Parts only Total Lessing Option A	onths labor, 4 yrs Parts hours n Broom, R/S curb broom Days labor, 3 yrs Parts 6 hours n Broom, R/S curb broom rear Parts 0 hours		\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	tiz	Signature DI Rober VP 11/3/2
2016 Demo model with 28 I Includes, Proex & Wire Mai L.P. Gas Warranty 90 day travel 30 I 2013 LP Gas Model with 10 Includes, Proex & Wire Mai Overhead guard Warranty 30 days labor, 1 y 2011 LP Gas Model with 50 warranty 30 days Parts only Total	onths labor, 4 yrs Parts hours n Broom, R/S curb broom Days labor, 3 yrs Parts 6 hours n Broom, R/S curb broom rear Parts 0 hours		\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$17,000.00 \$0.00	1/2 Customer	

Appendix 4

	DESCRIPTION: CLEANED VIA: OTHER: (HIGH WIND SUSP, BAGHOUSE) (USE BACK OF SHEET IF NEEDED)	SPILLED MATERIALS:	PRESENCE OF OFFSITE DUST?	WEATHER STATION FUNCTIONAL	STORAGE PILES UNDER 50'	CONFACED ROADS: WATER SPRAYING CC DUST SUPPRESSION	WATER SPRAYING times:	PAVED PARKING LOTS: SWEEPING times:	WATER SPRAYING times:	PAVED ROADS: SWEEPING times:		AVE WIND SPEED & DIRECTION TEMPERATURE & WEATHER RAINFALL (Y/N - AMOUNT) ENFORCED VEHICLE SPEED LIMIT	
INITIALS		N A	ЧN	YN		123 123	1 2 3	1 2 3	123	123	FREQUENCY		DAILY LOG/RECORDKEEPING DAT MON TUES
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