

**MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
AIR QUALITY DIVISION**

January 7, 2015

PERMIT TO INSTALL
124-11D

ISSUED TO
Perrigo Holland, Inc.

LOCATED AT
13295 Reflections Drive
Holland, Michigan

IN THE COUNTY OF
Ottawa

STATE REGISTRATION NUMBER
N5688

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:

November 19, 2014

DATE PERMIT TO INSTALL APPROVED:

January 7, 2015

SIGNATURE:

DATE PERMIT VOIDED:

SIGNATURE:

DATE PERMIT REVOKED:

SIGNATURE:

Common Abbreviations / Acronyms

| Common Acronyms | | Pollutant / Measurement Abbreviations | |
|------------------|---|---------------------------------------|--|
| AQD | Air Quality Division | BTU | British Thermal Unit |
| BACT | Best Available Control Technology | °C | Degrees Celsius |
| CAA | Clean Air Act | CO | Carbon Monoxide |
| CEM | Continuous Emission Monitoring | dscf | Dry standard cubic foot |
| CFR | Code of Federal Regulations | dscm | Dry standard cubic meter |
| CO _{2e} | Carbon Dioxide Equivalent | °F | Degrees Fahrenheit |
| COM | Continuous Opacity Monitoring | gr | Grains |
| EPA | Environmental Protection Agency | Hg | Mercury |
| EU | Emission Unit | hr | Hour |
| FG | Flexible Group | H ₂ S | Hydrogen Sulfide |
| GACS | Gallon of Applied Coating Solids | hp | Horsepower |
| GC | General Condition | lb | Pound |
| GHGs | Greenhouse Gases | kW | Kilowatt |
| HAP | Hazardous Air Pollutant | m | Meter |
| HVLP | High Volume Low Pressure * | mg | Milligram |
| ID | Identification | mm | Millimeter |
| LAER | Lowest Achievable Emission Rate | MM | Million |
| MACT | Maximum Achievable Control Technology | MW | Megawatts |
| MAERS | Michigan Air Emissions Reporting System | ng | Nanogram |
| MAP | Malfunction Abatement Plan | NO _x | Oxides of Nitrogen |
| MDEQ | Michigan Department of Environmental Quality (Department) | PM | Particulate Matter |
| MSDS | Material Safety Data Sheet | PM10 | PM with aerodynamic diameter ≤10 microns |
| NESHAP | National Emission Standard for Hazardous Air Pollutants | PM2.5 | PM with aerodynamic diameter ≤ 2.5 microns |
| NSPS | New Source Performance Standards | pph | Pounds per hour |
| NSR | New Source Review | ppm | Parts per million |
| PS | Performance Specification | ppmv | Parts per million by volume |
| PSD | Prevention of Significant Deterioration | ppmw | Parts per million by weight |
| PTE | Permanent Total Enclosure | psia | Pounds per square inch absolute |
| PTI | Permit to Install | psig | Pounds per square inch gauge |
| RACT | Reasonably Available Control Technology | scf | Standard cubic feet |
| ROP | Renewable Operating Permit | sec | Seconds |
| SC | Special Condition | SO ₂ | Sulfur Dioxide |
| SCR | Selective Catalytic Reduction | THC | Total Hydrocarbons |
| SRN | State Registration Number | tpy | Tons per year |
| TAC | Toxic Air Contaminant | µg | Microgram |
| TEQ | Toxicity Equivalence Quotient | VOC | Volatile Organic Compound |
| VE | Visible Emissions | yr | Year |

* For High Volume Low Pressure (HVLP) applicators, the pressure measured at the HVLP gun air cap shall not exceed ten (10) pounds per square inch gauge (psig).

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 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 R 336.1219 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 R 336.1219 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.

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 R 336.1301, 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 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 R 336.1370(2). **(R 336.1370)**

13. The Department may require the permittee to conduct acceptable performance tests, at the permittee's expense, in accordance with R 336.2001 and R 336.2003, under any of the conditions listed in R 336.2001. **(R 336.2001)**

SPECIAL CONDITIONS

EMISSION UNIT SUMMARY TABLE

The descriptions provided below are for informational purposes and do not constitute enforceable conditions.

| Emission Unit ID | Emission Unit Description (Process Equipment & Control Devices) | Flexible Group ID |
|-------------------------|--|--------------------------|
| EUFLUIDBED | Fluid bed granulator used to dry material. Emissions are controlled by an internal bagfilter and HEPA filter collector. (SVFLUIDBED) | FGPRODUCTION |
| EUACP-3 | 60 inch film coater used to coat tablets. Emissions are controlled by canister-type dust collector #9. (SV9) | FGPRODUCTION |
| EUACP-4 | 60 inch film coater used to coat tablets. Emissions are controlled by canister-type dust collector #5. (SV4) | FGPRODUCTION |
| EUACP-5 | 60 inch film coater used to coat tablets. Emissions are controlled by canister-type dust collector #4. (SV5) | FGPRODUCTION |
| EUACP-6 | 60 inch film coater used to coat tablets. Emissions are controlled by canister-type dust collector #14. (SV14) | FGPRODUCTION |
| EUACP-7 | 60 inch film coater used to coat tablets. Emissions are controlled by canister-type dust collector #18. (SV18) | FGPRODUCTION |
| EUACP-8 | 60 inch film coater used to coat tablets. Emissions are controlled by canister-type dust collector #20. (SV20) | FGPRODUCTION |
| EU300MIXERDC#11 | 300 Mixer dry powder tumble blender and packaging line 4. Emissions are controlled by canister-type dust collector #11. (SV11) | FGPRODUCTION |
| EULINE6DC#15 | Packaging line 6, where tablet products are packaged into a bottle or container and Corridor E. Emissions are controlled by canister-type dust collector #15. (SV15) | FGPRODUCTION |
| EUGRANULATOR | Dry powder granulator. Emissions are controlled by canister-type dust collector #16. (SV16) | FGPRODUCTION |
| EUFLDBDGRANULTR | Fluid bed granulator used to dry material. Emissions are controlled by a canister-type dust collector #22 and HEPA Filter. (SV22) | FGPRODUCTION |
| EUEQ-13 | Tablet compression machine vacuum system. Emissions are controlled by canister-type dust collector #13. (SVEQ-13) | FGPRODUCTION |
| EUFBG#2 | Batch fluid bed granulator where dry product is mixed and coated with a bonding material to form granules, which are then dried. Emissions are controlled by a canister type dust collector (SV21). | FGPRODUCTION |
| EUDC#12 | Area dust collection system for Weigh Rooms. Emissions are controlled by canister-type dust collector #12. (SV12) | FGPRODUCTION |
| EUDC#23 | Area dust collection system for Filling Room. Emissions are controlled by canister-type dust collector #23. (SV23) | FGPRODUCTION |
| EUDC#24 | Area dust collection system for Granulation Suite. Emissions are controlled by canister-type dust collector #24. (SV24) | FGPRODUCTION |
| EUFBD#3 | Fluid Bed Granulator Glatt 500 #1 where dry product is mixed and coated with a bonding material to form granules, which are then dried. Emissions are controlled by canister-type dust collector #25. (SV25) | FGPRODUCTION |

| Emission Unit ID | Emission Unit Description (Process Equipment & Control Devices) | Flexible Group ID |
|--|--|-------------------|
| EUFBD#4 | Fluid Bed Granulator Glatt 500 #2 where dry product is mixed and coated with a bonding material to form granules, which are then dried. Emissions are controlled by canister-type dust collector #26. (SV26) | FGPRODUCTION |
| EUDC#13 | Area dust collection system for 300 Mixer and Line 4 area. Emissions are controlled by cartridge dust collector #13. (SV13) | FGPRODUCTION |
| EUEQ#38 | Area dust collection system for Line 6 and Corridor E located in the Freezer Mechanical Space. Emissions are controlled by cartridge dust collector #38. (SV38) | FGPRODUCTION |
| EUEQ#12 | Area dust collection system for the manufacturing area located in the Boiler Mechanical Room. Emissions are controlled by cartridge dust collector #12. (EQ12) | FGPRODUCTION |
| EUEQ#45 | Area dust collection system for the South Expansion. Emissions are controlled by cartridge dust collector #45. (SV45) | FGPRODUCTION |
| Changes to the equipment described in this table are subject to the requirements of R 336.1201, except as allowed by R 336.1278 to R 336.1290. | | |

FLEXIBLE GROUP SUMMARY TABLE

The descriptions provided below are for informational purposes and do not constitute enforceable conditions.

| Flexible Group ID | Flexible Group Description | Associated Emission Unit IDs |
|-------------------|---|---|
| FGPRODUCTION | Solid pharmaceutical and nutritional materials manufacturing. | EUFLUIDBED, EUACP-3, EUACP-4, EUACP-5, EUACP-6, EUACP-7, EUACP-8, EU300MIXERDC#11, EULINE6DC#15, EUGRANULATOR, EUFLDBDGRANULTR, EUEQ-13, EUFBG#2, EUDC#12, EUDC#23, EUDC#24, EUFBD#3, EUFBD#4, EUDC#13, EUEQ#38, EUEQ#12, EUEQ#45 |

The following conditions apply to: FGPRODUCTION

DESCRIPTION: Solid pharmaceutical and nutritional materials manufacturing

Emission Units: EUFLUIDBED, EUACP-3, EUACP-4, EUACP-5, EUACP-6, EUACP-7, EUACP-8, EU300MIXERDC#11, EULINE6DC#15, EUGRANULATOR, EUFLDBDGRANULTR, EUEQ-13, EUFBG#2, EUDC#12, EUDC#23, EUDC#24, EUFBD#3, EUFBD#4, EUDC#13, EUEQ#38, EUEQ#12, EUEQ#45

POLLUTION CONTROL EQUIPMENT: Various dust collectors

I. EMISSION LIMITS

| Pollutant | Limit | Time Period/ Operating Scenario | Equipment | Testing / Monitoring Method | Underlying Applicable Requirements |
|-----------|-----------------------------|---------------------------------------|-----------------|-----------------------------------|--|
| 1. PM | 0.0000165 pph ¹ | Test Protocol* | EUFLUIDBED | GC 13 | R 336.1225 |
| 2. PM | 0.17 pph ¹ | Test Protocol* | EUACP-3 | GC 13 | R 336.1225 |
| 3. PM | 0.018 pph ¹ | Test Protocol* | EUACP-4 | GC 13 | R 336.1225 |
| 4. PM | 0.018 pph ¹ | Test Protocol* | EUACP-5 | GC 13 | R 336.1225 |
| 5. PM | 0.018 pph ¹ | Test Protocol* | EUACP-6 | GC 13 | R 336.1225 |
| 6. PM | 0.018 pph ¹ | Test Protocol* | EUACP-7 | GC 13 | R 336.1225 |
| 7. PM | 0.018 pph ¹ | Test Protocol* | EUACP-8 | GC 13 | R 336.1225 |
| 8. PM | 0.018 pph ¹ | Test Protocol* | EU300MIXERDC#11 | GC 13 | R 336.1225 |
| 9. PM | 0.0108 pph ¹ | Test Protocol* | EULINE6DC#15 | GC 13 | R 336.1225 |
| 10. PM | 0.0108 pph ¹ | Test Protocol* | EUGRANULATOR | GC 13 | R 336.1225 |
| 11. PM | 0.00000477 pph ¹ | Test Protocol* | EUFLDBDGRANULTR | GC 13 | R 336.1225 |
| 12. PM | 0.56 pph ¹ | Test Protocol* | EUEQ-13 | GC 13 | R 336.1225 |
| 13. PM | 0.0265 pph ¹ | Test Protocol* | EUFBG#2 | GC 13 | R 336.1225 |
| 14. PM | 0.0108 pph ¹ | Test Protocol* | EUDC#12 | GC 13 | R 336.1225 |
| 15. PM | 0.0054 pph ¹ | Test Protocol* | EUDC#23 | GC 13 | R 336.1225 |
| 16. PM | 0.0144 pph ¹ | Test Protocol* | EUDC#24 | GC 13 | R 336.1225 |
| 17. PM | 0.025 pph ¹ | Test Protocol* | EUFBD#3 | GC 13 | R 336.1225 |
| 18. PM | 0.025 pph ¹ | Test Protocol* | EUFBD#4 | GC 13 | R 336.1225 |
| 19. PM | 0.0026 pph ¹ | Test Protocol* | EUDC#13 | GC 13 | R 336.1225 |
| 20. PM | 0.0032 pph ¹ | Test Protocol* | EUEQ#38 | GC 13 | R 336.1225 |
| 21. PM | 0.0072 pph ¹ | Test Protocol* | EUEQ#12 | GC 13 | R 336.1225 |
| 22. PM | 0.0037 pph ¹ | Test Protocol* | EUEQ#45 | GC 13 | R 336.1225 |

*Test Protocol shall specify averaging time

II. MATERIAL LIMITS

- The permittee shall limit the usage in FGPRODUCTION of each raw material that is a toxic air contaminant (TAC), as defined in R 336.1120, such that the ratio of the amount of each raw material that is a TAC used to the total raw material usage does not exceed the ratio of the allowable concentration to the predicted ambient impact, based on a 12-month rolling time period, as determined at the end of each calendar month, as described in equation 1 below. For each raw material that is a TAC with an AQD established screening level, the allowable concentration shall be the AQD screening level. For each raw material listed in the table below, the allowable concentration listed in the table below shall be used. If the AQD develops a raw material specific screening level for a raw material listed in the table below, the permittee may use the AQD screening level instead of the allowable concentration listed in the table below. For raw materials that are TACs not listed below for which there is no AQD screening level, the allowable concentration shall be determined according to Rules 231 and 232 (R 336.1231 and R 336.1232), except that the allowable concentration shall not exceed 15 µg/m³ on an annual average. For each raw material, the predicted ambient impact used shall have the same averaging time as the allowable concentration.¹ **(R 336.1225)**

Equation 1: $RMR = AC/PAI$, where

RMR is the allowed raw material ratio for each raw material (raw material usage divided by total raw material throughput^A)

AC is the allowable concentration (AQD screening level or value from the table below if there is no AQD screening level for the raw material)

PAI is the predicted ambient impact for total particulate matter, as listed below for each averaging time

$$\begin{array}{lll}
 1 \text{ hour PAI} = 54.34 \mu\text{g}/\text{m}^3 & 3 \text{ hour PAI} = 36.48 \mu\text{g}/\text{m}^3 & 8 \text{ hour PAI} = 31.11 \mu\text{g}/\text{m}^3 \\
 24 \text{ hour PAI} = 16.75 \mu\text{g}/\text{m}^3 & & \text{Annual PAI} = 2.61 \mu\text{g}/\text{m}^3
 \end{array}$$

| Raw Material | Allowable Concentration (µg/m ³) | Concentration Averaging Time | Raw Material | Allowable Concentration (µg/m ³) | Concentration Averaging Time |
|------------------------------------|--|------------------------------|------------------------------------|--|------------------------------|
| Acetaminophen | 15 | Annual | Microcrystalline cellulose 102 | 1.0 | Annual |
| Dicalcium phosphate, anhyd gran | 1.0 | Annual | Methocel XD | 1.0 | Annual |
| Maltodextrin | 1.0 | Annual | Methocel A4M Premium | 1.0 | Annual |
| Aspirin | 1.0 | Annual | Ascorbic acid | 1.0 | Annual |
| Orange flavor base | 1.0 | Annual | Oat fiber granulation | 1.0 | Annual |
| Sugar free orange flavor base | 1.0 | Annual | Calcipure 95A | 1.0 | Annual |
| Cal Carb 95A | 1.0 | Annual | Vitamin E acetate | 1.0 | Annual |
| IM Citrucel Prep Granulation 34817 | 1.0 | Annual | IM Citrucel Prep Granulation 34818 | 1.0 | Annual |
| Microcrystalline cellulose 101 | 1.0 | Annual | Mannitol | 42.0 | 1 hour |
| Naproxen Sodium | 12.0 | Annual | | | |

^A Total raw material throughput shall include all raw materials, including raw materials that are not TACs.

III. PROCESS/OPERATIONAL RESTRICTIONS

NA

IV. DESIGN/EQUIPMENT PARAMETERS

1. The permittee shall not operate the following emission units unless the associated control equipment is installed, maintained, and operated in a satisfactory manner. Proper operation of each of the dust collectors includes submitting an operation and maintenance plan for approval to the District Supervisor within 30 days after permit approval. **(R 336.1225, R 336.1331, R 336.1910)**

| | Emission Unit | Associated Control Equipment |
|----|----------------------|--|
| a. | EUFLUIDBED | internal bagfilter and HEPA filter collector |
| b. | EUACP-3 | canister-type dust collector #9 |
| c. | EUACP-4 | canister-type dust collector #5 |
| d. | EUACP-5 | canister-type dust collector #4 |
| e. | EUACP-6 | canister-type dust collector #14 |
| f. | EUACP-7 | canister-type dust collector #18 |
| g. | EUACP-8 | canister-type dust collector #20 |
| h. | EU300MIXERDC#11 | canister-type dust collector #11 |
| i. | EULINE6DC#15 | canister-type dust collector #15 |
| j. | EUGRANULATOR | canister-type dust collector #16 |
| k. | EUFLDBDGRANULTR | canister-type dust collector #22 and HEPA filter collector |
| l. | EUEQ-13 | canister-type dust collector #13 |
| m. | EUFBG#2 | canister-type dust collector #21 |
| n. | EUDC#12 | canister-type dust collector #12 |
| o. | EUDC#23 | canister-type dust collector #23 |
| p. | EUDC#24 | canister-type dust collector #24 |
| q. | EUFBD#3 | canister-type dust collector #32 |
| r. | EUFBD#4 | canister-type dust collector #33 |
| s. | EUDC#13 | cartridge dust collector #13 |
| t. | EUEQ#38 | cartridge dust collector #38 |
| u. | EUEQ#12 | cartridge dust collector #12 |
| v. | EUEQ#45 | cartridge dust collector #45 |

2. The permittee shall equip and maintain each dust collector with a differential pressure monitoring device. **(R 336.1225, R 336.1331, R 336.1910)**

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))**

1. The permittee shall keep, in a satisfactory manner, records of dust collector inspection data and corrective actions resulting from implementation of the dust collector operation and maintenance plan required by SC IV.1. **(R 336.1225, R 336.1331, R 336.1910)**
2. The permittee shall complete all required calculations in a format acceptable to the AQD District Supervisor by the last day of the calendar month, for the previous calendar month, unless otherwise specified in any monitoring/recordkeeping special condition.¹ **(R 336.1225)**
3. The permittee shall keep, in a satisfactory manner, monthly production and material usage records for FGPRODUCTION to show compliance with the material usage limits in SC II.1 on file at the facility and make them available to the Department upon request.¹ **(R 336.1225)**

VII. REPORTING

NA

VIII. STACK/VENT RESTRICTIONS

The exhaust gases from the stacks listed in the table below shall be discharged unobstructed vertically upwards to the ambient air unless otherwise noted:

| Stack & Vent ID | Maximum Exhaust Diameter/Dimensions (inches) | Minimum Height Above Ground (feet) | Underlying Applicable Requirements |
|----------------------------|--|------------------------------------|------------------------------------|
| 1. SVFLUIDBED ^A | 20 | 36 | R 336.1225, 40 CFR 52.21 (c) & (d) |
| 2. SV4 | 16 | 48 | R 336.1225, 40 CFR 52.21 (c) & (d) |
| 3. SV5 | 16 | 50.7 | R 336.1225, 40 CFR 52.21 (c) & (d) |
| 4. SV9 | 18 | 48 | R 336.1225, 40 CFR 52.21 (c) & (d) |
| 5. SV11 ^A | 12 x 24 | 18 | R 336.1225, 40 CFR 52.21 (c) & (d) |
| 6. SVEQ-13 | 10 | 48 | R 336.1225, 40 CFR 52.21 (c) & (d) |
| 7. SV14 | 15 | 18.5 | R 336.1225, 40 CFR 52.21 (c) & (d) |
| 8. SV15 ^A | 10 x 16 | 10 | R 336.1225, 40 CFR 52.21 (c) & (d) |
| 9. SV16 | 10 | 40 | R 336.1225, 40 CFR 52.21 (c) & (d) |
| 10. SV18 | 16 | 46 | R 336.1225, 40 CFR 52.21 (c) & (d) |
| 11. SV20 | 15 | 18.5 | R 336.1225, 40 CFR 52.21 (c) & (d) |
| 12. SV21 ^A | 16 | 38 | R 336.1225, 40 CFR 52.21 (c) & (d) |
| 13. SV22 | 12 | 51 | R 336.1225, 40 CFR 52.21 (c) & (d) |
| 14. SV12 | 16 | 51 | R 336.1225, 40 CFR 52.21 (c) & (d) |
| 15. SV23 | 16 | 75 | R 336.1225, 40 CFR 52.21 (c) & (d) |
| 16. SV24 | 24 | 75 | R 336.1225, 40 CFR 52.21 (c) & (d) |
| 17. SV25 | 24 | 75 | R 336.1225, 40 CFR 52.21 (c) & (d) |
| 18. SV26 | 24 | 75 | R 336.1225, 40 CFR 52.21 (c) & (d) |
| 19. EQ12 | 12 x 12 | 48 | R 336.1225, 40 CFR 52.21 (c) & (d) |
| 20. SV13 ^A | 4 | 16.5 | R 336.1225, 40 CFR 52.21 (c) & (d) |
| 21. SV38 | 6 | 22 | R 336.1225, 40 CFR 52.21 (c) & (d) |
| 22. SV45 | 8 | 75 | R 336.1225, 40 CFR 52.21 (c) & (d) |

^A These stacks do not exhaust vertically upwards to the ambient air.

IX. OTHER REQUIREMENTS

NA

Footnotes:

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