MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY AIR QUALITY DIVISION

April 1, 2009

PERMIT TO INSTALL

No. 36-09

ISSUED TO

Old Europe Cheese

LOCATED AT

1330 E. Empire Avenue Benton Harbor, Michigan 49022

IN THE COUNTY OF

Berrien

STATE REGISTRATION NUMBER

A0301

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: 2/23/2009 | | | |
|--|------------|--|--|
| DATE PERMIT TO INSTALL APPROVED: 4/1/2009 | SIGNATURE: | | |
| DATE PERMIT VOIDED: | SIGNATURE: | | |
| DATE PERMIT REVOKED: | SIGNATURE: | | |

PERMIT TO INSTALL

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Common Abbreviations / Acronyms

| AQD Air Quality Division ANSI American National Standards Institute BACT Best Available Control Technology CAA Clean Air Act Clean Air Act CEM Continuous Emission Monitoring CFR Code of Federal Regulations CFR Code of Federal Regulations CFR Continuous Opacity Monitoring CFR Code of Federal Regulations CFR Continuous Opacity Monitoring CFR Code of Federal Regulations CFR Cathevia Regulation CFR Code of Regulation Physical Regul | Common Abbreviations and Acronyms | | | Pollutant/Measurement Abbreviations |
|--|-----------------------------------|---|--------------------------|-------------------------------------|
| BACT Clean Air Act Clean Air Act Clean Air Act Continuous Emission Monitoring dscm Commonoxide dscm Commonoxide dscm Commonoxide dscm Commonoxide dscm Commonoxide dscm Dry standard cubic foot dscm Dry standard cubic meter Commonoxide dscm Commonoxide dscm Dry standard cubic meter Commonoxide dscm Dry standard cubic meter Dry standard cubic feet Seconds Standard cubic feet Seconds Standard cubic feet Seconds Standard cubic feet Seconds Selective Catalytic Reduction Scr Sel | | - | Btu British thermal unit | |
| CAA Clean Air Act CEM Continuous Emission Monitoring dscm CFR Code of Federal Regulations CFP Degrees Fahrenheit CFP Hour FPS Defrems Units CFP Degrees Fahrenheit CFP Degrees Fahreheit CFP Degrees Fahrenheit CFP Degrees Fahreheit CFP Degrees Fareheites CFP Hydres Middle CFP Degrees Fareheites CFP Hydres CFP Degrees Fareheites CFP Hydr | ANSI | American National Standards Institute | °C | Degrees Celsius |
| CEM Continuous Emission Monitoring CFR Code of Federal Regulations COM Continuous Opacity Monitoring EPA Environmental Protection Agency EU Emission Unit FG Flexible Group GACS Gallon of Applied Coating Solids GC General Condition HAP Hazardous Air Pollutant HVLP High Volume Low Pressure * ID Identification MACT Maximum Achievable Control Technology MAERS Michigan Air Emissions Reporting System MAP Malfunction Abatement Plan MDEQ Michigan Department of Environmental Quality MIOSHA Administration MSDS Material Safety Data Sheet NESHAP New Source Performance Standards NSR New Source Review PSD Prevention of Significant Deterioration PSD Renewable Operating Permit PSD Prevention of Significant Deterioration PTE Permanent Total Enclosure PTI Permit to Install RACT Reasonably Available Control Technology ROP Renewable Operating Permit SC Special Condition PTC Toxic Air Contaminant VOC Volatile organic compounds | BACT | Best Available Control Technology | СО | Carbon monoxide |
| CFR Code of Federal Regulations COM Continuous Opacity Monitoring EPA Environmental Protection Agency EU Emission Unit FG Flexible Group GACS Gallon of Applied Coating Solids GC General Condition HAP Hazardous Air Pollutant HVLP High Volume Low Pressure * ID Identification MACT Maximum Achievable Control Technology MAERS Michigan Department of Environmental Quality MIOSHA MIOSHA MIOSHA MISSHAP NESHAP NESHAP NESHAP NESHAP RP Permanent Total Enclosure PSD Perevention of Significant Deterioration PTE Permanent Total Enclosure PTI Permit to Install RACT Reasonably Available Control Technology RACE SP REQ Selective Catalytic Reduction PTC Toxicity Equivalence Quotient PTC Toxicity Equivalence Quotient PTC Toxicity Equivalence Quotient PTC Grains Memorury Hg Mercury Mercury Mercury Hg Mercury Hr Hour Hour Hour Hour Hour Hour Hour Hour | CAA | Clean Air Act | dscf | Dry standard cubic foot |
| COM Continuous Opacity Monitoring EPA Environmental Protection Agency EU Emission Unit FG Flexible Group GACS Gallon of Applied Coating Solids GC General Condition HAP Hazardous Air Pollutant HVLP High Volume Low Pressure* ID Identification LAER Lowest Achievable Emission Rate MACT Maximum Achievable Control Technology MAERS Michigan Air Emissions Reporting System MAP Malfunction Abatement Plan MDEQ Michigan Occupational Safety & Health Administration MSDS Material Safety Data Sheet NESHAP NSPS New Source Performance Standards NSR New Source Performance Standa | CEM | Continuous Emission Monitoring | dscm | Dry standard cubic meter |
| EPA Environmental Protection Agency EU Emission Unit FG Flexible Group GACS Gallon of Applied Coating Solids GC General Condition HAP Hazardous Air Pollutant HVLP High Volume Low Pressure * ID Identification LAER Lowest Achievable Emission Rate MACT Maximum Achievable Control Technology MAERS Michigan Air Emissions Reporting System MAP Malfunction Abatement Plan MIDEQ Michigan Department of Environmental Quality MIOSHA Michigan Occupational Safety & Health Administration MSDS Material Safety Data Sheet NESHAP National Emission Standard for Hazardous Air Pollutants NSR New Source Performance Standards NSR New Source Review PS Performance Specification PSD Prevention of Significant Deterioration PTE Permanent Total Enclosure PTI Permit to Install RACT Reasonably Available Control Technology ROP Renewable Operating Permit SC Special Condition SRN State Registration Number TAC Toxic Air Contaminant TEQ Toxici kir Contaminant TEQ Toxici kir Contaminant TEQ Toxic kir Contaminant | CFR | Code of Federal Regulations | °F | Degrees Fahrenheit |
| EU Emission Unit hr Hour Hour FG Flexible Group H₂S Hydrogen sulfide GACS Gallon of Applied Coating Solids hp Horsepower GC General Condition lb Pound HAP Hazardous Air Pollutant m Meter HVLP High Volume Low Pressure * mg Milligram ID Identification mm Milligram MACT Maximum Achievable Control Technology MM Millimeter MAERS Michigan Air Emissions Reporting System MM Millimeter MAP Malfunction Abatement Plan NO _x Oxides of nitrogen MIOSHA Michigan Department of Environmental Quality PM Particulate matter MIOSHA Michigan Occupational Safety & Health Administration PM Particulate matter MSSN New Source Performance Standard for Hazardous Air Pollutants PM Pest ban or equal to 10 microns aerodynamic diameter NSPS New Source Review ph Pound per hour NSR New Source | COM | Continuous Opacity Monitoring | gr | Grains |
| FG Flexible Group GACS Gallon of Applied Coating Solids GC General Condition HAP Hazardous Air Pollutant HVLP High Volume Low Pressure * ID Identification MACT Maximum Achievable Emission Rate MACT Maximum Achievable Control Technology MAERS Michigan Air Emissions Reporting System MAP Malfunction Abatement Plan MIDEQ Michigan Occupational Safety & Health Administration MSDS Material Safety Data Sheet NESHAP New Source Performance Standards NSR New Source Review PS Performance Specification PSD Prevention of Significant Deterioration PSD PTP Permit to Install RACT Reasonably Available Control Technology ROP Renewable Operating Permit SCR Selective Catalytic Reduction SRN State Registration Number TAC Toxic Air Contaminant TEQ Toxic Air Contaminant TEQ Toxic Air Contaminant MDEQ Toxic Air Contaminant MDEQ Selective Catalytic Reduction MSDS Material Safety Data Sheet NESHAP New Source Review PS Selective Catalytic Reduction TSRN State Registration Number TAC Toxic Air Contaminant TEQ Toxic Air | EPA | Environmental Protection Agency | Hg | Mercury |
| GACS Gallon of Applied Coating Solids GC General Condition HAP Hazardous Air Pollutant HVLP High Volume Low Pressure * ID Identification LAER Lowest Achievable Emission Rate MACT Maximum Achievable Control Technology MAERS Michigan Air Emissions Reporting System MAP Malfunction Abatement Plan MDEQ Michigan Occupational Safety & Health Administration MSDS Material Safety Data Sheet NESHAP NESHAP New Source Performance Standards NSPS New Source Review PS Performance Specification PSD Prevention of Significant Deterioration PSD Prevention of Significant Deterioration PTE Permanent Total Enclosure PTI Permit to Install RACT Reasonably Available Control Technology RCP Renewable Operating Permit SCR Selective Catalytic Reduction SRN State Registration Number TAC Toxic Air Contaminant TEQ Toxic Air Contaminant ID Horsepower Meter Myellon Pound Meter Meter Millon Pound Millingtam Millingtam Millingtam Millilingtam Millilingtan Millilin | EU | Emission Unit | hr | Hour |
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| HAP Hazardous Air Pollutant HVLP High Volume Low Pressure * ID Identification LAER Lowest Achievable Emission Rate MACT Maximum Achievable Control Technology MAERS Michigan Air Emissions Reporting System MAP Malfunction Abatement Plan MDEQ Michigan Department of Environmental Quality MIOSHA Michigan Occupational Safety & Health Administration MSDS Material Safety Data Sheet NESHAP New Source Performance Standards NSPS New Source Performance Standards NSR New Source Review PS Performance Specification PSD Prevention of Significant Deterioration PSD Prevention of Significant Deterioration PTE Permanent Total Enclosure PTI Permit to Install RACT Reasonably Available Control Technology ROP Renewable Operating Permit SC Special Condition SCR Selective Catalytic Reduction ST State Registration Number TAC Toxic Air Contaminant TEQ Toxicity Equivalence Quotient MM Million MMW Megawatts MM Million MNW Megawatts MRM Natilion NO _x Oxides of nitrogen PM Parts per miter PM Perticulate matter PMI Permit of 10 microns aerodynamic diameter PMD Perticulate matter PMD Pound per hour PpmP Parts per million Pound per hour PpmP Parts per million Pound per hour Parts per million Pound per hour Parts per million Pound per hour Pound per hour Parts per million Pound per hour Parts per million Pound per hour Pound per hour Parts per million Pound per hour Parts per million Pound per hour Parts per million Pound per hour Pound per hour Part | GACS | Gallon of Applied Coating Solids | hp | Horsepower |
| HVLP High Volume Low Pressure * ID Identification | GC | General Condition | lb | Pound |
| ID Identification | HAP | Hazardous Air Pollutant | m | Meter |
| LAER Lowest Achievable Emission Rate MACT Maximum Achievable Control Technology MAERS Michigan Air Emissions Reporting System MAP Malfunction Abatement Plan MDEQ Michigan Department of Environmental Quality MIOSHA Material Safety Data Sheet NESHAP National Emission Standard for Hazardous Air Pollutants NSPS New Source Performance Standards NSR New Source Review PS Performance Specification PSD Prevention of Significant Deterioration PSD Premanent Total Enclosure PTI Permit to Install RACT Reasonably Available Control Technology ROP Renewable Operating Permit SC Special Condition SCR Selective Catalytic Reduction SRN State Registration Number TAC Toxic Air Contaminant Toxicity Equivalence Quotient MM Million MW Megawatts ng Nanogram NAW Megawatts ng Nanogram NAW Megawatts ng Nanogram NO _x Oxides of nitrogen PM Particulate matter PM1.0 PM less than or equal to 10 microns aerodynamic diameter PM2.5 PM less than 2.5 microns diameter PM2.5 PM less than or equal to 10 microns aerodynamic diameter PM2.5 PM less than 0.2 fm icrons diamete | HVLP | High Volume Low Pressure * | mg | Milligram |
| MACTMaximum Achievable Control Technology MAERSMichigan Air Emissions Reporting System Malfunction Abatement Plan Michigan Department of Environmental QualityMWMegawatts NanogramMIOSHAMichigan Occupational Safety & Health AdministrationPMParticulate matterMSDSMaterial Safety Data Sheet National Emission Standard for Hazardous Air PollutantsPM10PM2.5PM less than or equal to 10 microns aerodynamic diameterNSPSNew Source Performance Standards NSRPM2.5PM less than 2.5 microns diameterNSPSNew Source Performance Standards NSRPound per hourPSDPerformance SpecificationPmParts per millionPSDPrevention of Significant DeteriorationppmParts per million by volumePTEPermanent Total EnclosurepsigPounds per square inch absolutePTIPermit to InstallscfStandard cubic feetRACTReasonably Available Control Technology ROPsecSecondsROPRenewable Operating PermitSO2Sulfur dioxideSCSpecial ConditionTHCTotal hydrocarbonsSCRSelective Catalytic ReductiontpyTons per yearSRNState Registration NumberyVOCVolatile organic compoundsTEQToxicity Equivalence QuotientyrYear | ID | Identification | mm | Millimeter |
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| MAPMalfunction Abatement Plan MDEQNOx Michigan Department of Environmental QualityNOx Michigan Department of Environmental QualityNOx Michigan Department of Environmental QualityNOx Michigan Department of Environmental PMOxides of nitrogenMSDSMichigan Occupational Safety & Health AdministrationPMParticulate matterMSDSMaterial Safety Data Sheet National Emission Standard for Hazardous Air PollutantsPM10PM less than or equal to 10 microns aerodynamic diameterNSESHAPNew Source Performance Standards NSRNew Source Performance StandardsphPound per hourNSRNew Source ReviewppmvParts per millionPSPerformance SpecificationppmvParts per million by volumePSDPrevention of Significant DeteriorationpsiaPounds per square inch absolutePTEPermanent Total EnclosurepsigPounds per square inch absolutePTIPermit to InstallscfStandard cubic feetRACTReasonably Available Control TechnologysecSecondsROPRenewable Operating PermitSO2Sulfur dioxideSCSpecial ConditionTHCTotal hydrocarbonsSCRSelective Catalytic ReductiontpyTons per yearSRNState Registration NumberygMicrogramTACToxic Air ContaminantVOCVolatile organic compoundsTEQToxicity Equivalence QuotientyrYear | MACT | Maximum Achievable Control Technology | MW | Megawatts |
| MDEQMichigan Department of Environmental QualityPMParticulate matterMIOSHAMichigan Occupational Safety & Health AdministrationPM10PM less than or equal to 10 microns aerodynamic diameterMSDSMaterial Safety Data SheetPM2.5PM less than 2.5 microns diameterNESHAPNational Emission Standard for Hazardous Air PollutantspphPound per hourNSPSNew Source Performance StandardsppmParts per millionNSRNew Source ReviewppmvParts per million by volumePSPerformance SpecificationppmwParts per million by weightPSDPrevention of Significant DeteriorationpsiaPounds per square inch absolutePTEPermanent Total EnclosurepsigPounds per square inch gaugePTIPermit to InstallscfStandard cubic feetRACTReasonably Available Control TechnologysecSecondsROPRenewable Operating PermitSO2Sulfur dioxideSCSpecial ConditionTHCTotal hydrocarbonsSCRSelective Catalytic ReductiontpyTons per yearSRNState Registration NumberµgMicrogramTACToxic Air ContaminantVOCVolatile organic compoundsTEQToxicity Equivalence QuotientyrYear | MAERS | Michigan Air Emissions Reporting System | ng | Nanogram |
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| MSDS Material Safety Data Sheet NESHAP National Emission Standard for Hazardous Air Pollutants NSPS New Source Performance Standards NSR New Source Review PS Performance Specification PSD Prevention of Significant Deterioration PTE Permanent Total Enclosure PTI Permit to Install RACT Reasonably Available Control Technology ROP Renewable Operating Permit SC Special Condition SCR Selective Catalytic Reduction SCR Standard Cuoticn Purchase PM2.5 PM less than 2.5 microns diameter Ppph Pound per hour Parts per million Parts per million by volume Parts per million by weight Pounds per square inch absolute Psia Pounds per square inch absolute Psia Pounds per square inch gauge Pounds per square inch gauge Scf Standard cubic feet Scc Seconds Scc Seconds Scc Seconds SO ₂ Sulfur dioxide THC Total hydrocarbons Total hydrocarbons Tons per year SRN State Registration Number TAC Toxic Air Contaminant VOC Volatile organic compounds TEQ Toxicity Equivalence Quotient Yr Year | MDEQ | | PM | Particulate matter |
| NESHAP National Emission Standard for Hazardous Air Pollutants NSPS New Source Performance Standards NSR New Source Review PS Performance Specification PSD Prevention of Significant Deterioration PTE Permanent Total Enclosure PTI Permit to Install RACT Reasonably Available Control Technology ROP Renewable Operating Permit SC Special Condition SCR Selective Catalytic Reduction SCR Standard Coubic Feet SC Special Condition SCR State Registration Number TAC Toxic Air Contaminant TEQ Toxicity Equivalence Quotient ppm Pound per hour ppm Parts per million by volume ppmw Parts per million ppmw Parts per million pow Parts per million py Parts per million pow | MIOSHA | | PM10 | |
| NESHAP Air Pollutants NSPS New Source Performance Standards NSR New Source Review PS Performance Specification PSD Prevention of Significant Deterioration PTE Permanent Total Enclosure PTI Permit to Install RACT Reasonably Available Control Technology ROP Renewable Operating Permit SC Special Condition SCR Selective Catalytic Reduction SCR Selective Catalytic Reduction TAC Toxic Air Contaminant TEQ Toxicity Equivalence Quotient Pm Pound per nour Ppn Parts per million ppmv Parts per million by volume ppmv Parts per million by volume ppmv Parts per million by volume ppmv Par | MSDS | • | PM2.5 | PM less than 2.5 microns diameter |
| NSR New Source Review PS Performance Specification PSD Prevention of Significant Deterioration PTE Permanent Total Enclosure PTI Permit to Install RACT Reasonably Available Control Technology ROP Renewable Operating Permit SC Special Condition SCR Selective Catalytic Reduction SRN State Registration Number TAC Toxic Air Contaminant TEQ Toxicity Equivalence Quotient Parts per million by volume ppmw Parts per million by volume psia Pounds per square inch absolute psig Pounds per square in | NESHAP | | pph | Pound per hour |
| PS Performance Specification ppmw Parts per million by weight PSD Prevention of Significant Deterioration psia Pounds per square inch absolute PTE Permanent Total Enclosure psig Pounds per square inch gauge PTI Permit to Install scf Standard cubic feet RACT Reasonably Available Control Technology sec Seconds ROP Renewable Operating Permit SO ₂ Sulfur dioxide SC Special Condition THC Total hydrocarbons SCR Selective Catalytic Reduction tpy Tons per year SRN State Registration Number pg Microgram TAC Toxic Air Contaminant VOC Volatile organic compounds TEQ Toxicity Equivalence Quotient yr Year | NSPS | New Source Performance Standards | ppm | Parts per million |
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| PTE Permit to Install scf Standard cubic feet RACT Reasonably Available Control Technology ROP Renewable Operating Permit SO ₂ Sulfur dioxide SC Special Condition THC Total hydrocarbons SCR Selective Catalytic Reduction tpy Tons per year SRN State Registration Number μg Microgram TAC Toxic Air Contaminant VOC Volatile organic compounds TEQ Toxicity Equivalence Quotient yr Year | PS | Performance Specification | ppmw | Parts per million by weight |
| PTI Permit to Install scf Standard cubic feet RACT Reasonably Available Control Technology sec Seconds ROP Renewable Operating Permit SO ₂ Sulfur dioxide SC Special Condition THC Total hydrocarbons SCR Selective Catalytic Reduction tpy Tons per year SRN State Registration Number µg Microgram TAC Toxic Air Contaminant VOC Volatile organic compounds TEQ Toxicity Equivalence Quotient yr Year | PSD | - | psia | Pounds per square inch absolute |
| RACT Reasonably Available Control Technology ROP Renewable Operating Permit SC Special Condition SCR Selective Catalytic Reduction SRN State Registration Number TAC Toxic Air Contaminant TEQ Toxicity Equivalence Quotient Sec Seconds SO ₂ Sulfur dioxide THC Total hydrocarbons tpy Tons per year Microgram VOC Volatile organic compounds yr Year | PTE | Permanent Total Enclosure | psig | Pounds per square inch gauge |
| ROP Renewable Operating Permit SO ₂ Sulfur dioxide SC Special Condition THC Total hydrocarbons SCR Selective Catalytic Reduction tpy Tons per year SRN State Registration Number µg Microgram TAC Toxic Air Contaminant VOC Volatile organic compounds TEQ Toxicity Equivalence Quotient yr Year | PTI | | scf | Standard cubic feet |
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| SCR Selective Catalytic Reduction tpy Tons per year SRN State Registration Number µg Microgram TAC Toxic Air Contaminant VOC Volatile organic compounds TEQ Toxicity Equivalence Quotient yr Year | | Renewable Operating Permit | SO ₂ | Sulfur dioxide |
| SRN State Registration Number µg Microgram TAC Toxic Air Contaminant VOC Volatile organic compounds TEQ Toxicity Equivalence Quotient yr Year | | • | THC | Total hydrocarbons |
| TAC Toxic Air Contaminant VOC Volatile organic compounds TEQ Toxicity Equivalence Quotient yr Year | | Selective Catalytic Reduction | tpy | Tons per year |
| TEQ Toxicity Equivalence Quotient yr Year | SRN | _ | μg | Microgram |
| | TAC | Toxic Air Contaminant | VOC | Volatile organic compounds |
| | | | 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).

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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, 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 AQD District Supervisor shall be notified, in writing, of a change in ownership or operational control of the stationary source or emission unit(s) authorized by this Permit to Install pursuant to R 336.1219. The notification shall include all of the information required by R 336.1219(1)(a) and (b). In addition, a new owner or operator must submit a written statement pursuant to R 336.1219(1)(c), agreeing to and accepting the terms and conditions of this Permit to Install, and shall notify the AQD District Supervisor of any change in the contact person for this Permit to Install. (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.

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- 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)

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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) | Installation Date / Modification Date | Flexible Group ID |
|------------------|---|---------------------------------------|-------------------|
| EU-SPRAYDRYER | 3.5 MMBtu/hr natural gas-fired Damrow Filtermat Three Stage Drying System. PM control through six cyclones, | 2009 | NA |
| EU-RECEIVER | Dry product handling from dryer to packaging. PM control through two baghouses | 2009 | NA |

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.

The following conditions apply to: EU-SPRAYDRYER

DESCRIPTION: 3.5 MMBtu/hr natural gas-fired Damrow Filtermat Three Stage Drying System

Flexible Group ID: NA

POLLUTION CONTROL EQUIPMENT: six cyclones for PM

I. EMISSION LIMITS

| Pollutant | Limit | Time Period / Operating Scenario | Equipment | Testing / Monitoring Method | Underlying Applicable Requirements |
|---------------------------------|--|-------------------------------------|---------------|-----------------------------------|--|
| 1. PM | 0.01 lbs per 1000 lbs of exhaust gases* | Test Protocol | EU-SPRAYDRYER | General Condition No. 13 | R 336.1331 |
| 2. PM | 2.0 pph | Test Protocol | EU-SPRAYDRYER | General Condition No. 13 | R 336.1331 |
| * Calculated on a dry gas basis | | | | | |

^{3.} Visible emissions from EU-SPRAYDRYER shall not exceed a six-minute average of 5 percent opacity. (R 336.1301, R 336.1331)

II. MATERIAL LIMITS

N/A

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III. PROCESS/OPERATIONAL RESTRICTIONS

NA

IV. DESIGN/EQUIPMENT PARAMETERS

1. The permittee shall not operate EU-SPRAYDRYER unless the six PM collector cyclones are installed, maintained, and operated in a satisfactory manner. (R 336.1205, R 336.1331, R 336.1901, R 336.1910)

V. TESTING/SAMPLING

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

N/A

VI. MONITORING/RECORDKEEPING

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

- 1. The permittee shall observe the free flow of collected PM exiting each cyclone for EU-SPRAYDRYER and keep records of those observations on at least a once per shift basis. Records shall be kept of maintenance activities for each cyclone. The permittee shall keep all records on file at the facility and make them available to the Department upon request. (R 336.1205, R 336.1301, R 336.1331)
- 2. The permittee shall observe visible emissions, if any, from SV-SPRAYDRYER on a once per shift basis and shall keep, in a satisfactory manner, records of all visible emission readings for EU-SPRAYDRYER. At a minimum, records shall include the date, time, name of observer/reader, whether the reader is certified, and status of visible emissions. The permittee shall keep all records on file at the facility and make them available to the Department upon request. (R 336.1301)

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 (inches) | Minimum Height Above Ground (feet) | Underlying Applicable Requirements |
|-----------------|---|--|---------------------------------------|
| 1.SV-SPRAYDRYER | 36 | 65 | R 336.1331, R 336.1901 |

IX. OTHER REQUIREMENTS

N/A

Footnotes:

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

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The following conditions apply to: EU-RECEIVER

<u>DESCRIPTION</u>: Negative pressure pneumatic conveying system, powder sifter, and packaging equipment

Flexible Group ID: NA

POLLUTION CONTROL EQUIPMENT: two fabric filter collectors for PM

I. <u>EMISSION LIMITS</u>

| Pollutant | Limit | Time Period / Operating Scenario | Equipment | Testing / Monitoring Method | Underlying Applicable Requirements |
|---------------------------------|--|-------------------------------------|-------------|-----------------------------------|--|
| 1. PM | 0.01 lbs per 1000 lbs of exhaust gases* | Test Protocol | EU-RECEIVER | General Condition No. 13 | R 336.1331 |
| 2. PM | 0.9 pph | Test Protocol | EU-RECEIVER | General Condition No. 13 | R 336.1331 |
| * Calculated on a dry gas basis | | | | | |

^{4.} Visible emissions from EU-RECEIVER shall not exceed a six-minute average of 5 percent opacity. (R 336.1301, R 336.1331)

II. MATERIAL LIMITS

N/A

III. PROCESS/OPERATIONAL RESTRICTIONS

NA

IV. DESIGN/EQUIPMENT PARAMETERS

- 1. The permittee shall not operate EU-RECEIVER unless the two fabric filter PM collectors are installed, maintained, and operated in a satisfactory manner. (R 336.1205, R 336.1331)
- 2. The permittee shall install, calibrate, maintain and operate in a satisfactory manner a device to monitor and record the baghouse pressure drop for each fabric filter PM collector for EU-RECEIVER on a daily basis. (R 336.1205, R 336.1301, R 336.1331)

V. TESTING/SAMPLING

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

N/A

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VI. MONITORING/RECORDKEEPING

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

1. The permittee shall monitor and record the baghouse pressure drop for each fabric filter PM collector for EU-RECEIVER on a daily basis. (R 336.1205, R 336.1301, R 336.1331)

2. The permittee shall observe visible emissions, if any, from SV-RECEIVER on a once per shift basis and shall keep, in a satisfactory manner, records of all visible emission readings for EU-RECEIVER. At a minimum, records shall include the date, time, name of observer/reader, whether the reader is certified, and status of visible emissions. The permittee shall keep all records on file AT THE FACILITY and make them available to the Department upon request. (R 336.1301)

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. SV-RECEIVER | 16 | 60 | R 336.1331, R 336.1901 |

IX. OTHER REQUIREMENTS

N/A

Footnotes:

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