

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

March 25, 2015

PERMIT TO INSTALL
208-981

ISSUED TO
Ilmor Engineering, Inc.

LOCATED AT
43939 Plymouth Oaks Boulevard
Plymouth, Michigan

IN THE COUNTY OF
Wayne

STATE REGISTRATION NUMBER
M4836

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:

February 11, 2015

DATE PERMIT TO INSTALL APPROVED:

March 25, 2015

SIGNATURE:

DATE PERMIT VOIDED:

SIGNATURE:

DATE PERMIT REVOKED:

SIGNATURE:

PERMIT TO INSTALL

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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 ₂ e	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)	Installation Date / Modification Date	Flexible Group ID
EUTestCellA	1000 hp dynamometer engine test cell fueled with methanol, ethanol, unleaded gasoline, or leaded gasoline. Two exhaust pipes exit through one stack, SVTestCellA.	8-30-2002	FGTestCells
EUTestCellB	1000 hp dynamometer engine test cell fueled with methanol, ethanol, unleaded gasoline, or leaded gasoline. Two exhaust pipes exit through one stack, SVTestCellB.	8-30-2002	FGTestCells
EUTestCellC	1000 hp dynamometer engine test cell fueled with methanol, ethanol, unleaded gasoline, or leaded gasoline. Two exhaust pipes exit through one stack, SVTestCellC.	8-30-2002	FGTestCells
EUTestCellD	1000 hp dynamometer engine test cell fueled with methanol, ethanol, unleaded gasoline, or leaded gasoline. Exhausts to two stacks, SVTestCellD and SVTestCellD1.	9-15-2005	FGTestCells
EUSolventCleaners	11 solvent-based parts cleaners.	4-14-2006	FGPartsCleaners
EUWaterCleaners	4 water-based parts cleaners.	4-14-2006	FGPartsCleaners
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
FGTestCells	Four (4) 1,000 HP dynamometer engine test cells fueled with methanol, ethanol, unleaded gasoline, or leaded gasoline.	EUTestCellA, EUTestCellB, EUTestCellC, EUTestCellD
FGPartsCleaners	11 solvent-based parts cleaners and 4 water-based parts cleaners.	EUSolventCleaners, EUWaterCleaners

The following conditions apply to:
FGTestCells

DESCRIPTION: Four (4) 1,000 HP dynamometer engine test cells fueled with methanol, ethanol, unleaded gasoline, or leaded gasoline.

Emission Units: EUTestCellA, EUTestCellB, EUTestCellC, EUTestCellD

POLLUTION CONTROL EQUIPMENT: Sometimes a catalytic converter

I. EMISSION LIMITS

Pollutant	Limit	Time Period/ Operating Scenario	Equipment	Testing / Monitoring Method	Underlying Applicable Requirements
1. CO	4,800 lb/8-hour	8-hour rolling time period as determined at the end of each clock hour	FGTestCells	SC II.2, SC VI.3	R 336.1205(1)(a) & (3), 40 CFR 52.21(d)
2. CO	89.60 tpy	12-month rolling time period as determined at the end of each calendar month	FGTestCells	SC II.5, SC VI.2	R 336.1205(1)(a) & (3)
3. CO	4.977 lb/gallon (uncontrolled gasoline)	Test Protocol*	FGTestCells	SC V.1	R 336.1205(1)(a) & (3), 40 CFR 52.21(d)
4. Lead	108 lb/3-month	3-month rolling time period as determined at the end of each calendar month	FGTestCells	SC II.4, SC VI.2	R 336.1205(1)(a) & (3), 40 CFR 52.21(d)
5. Lead	0.0075 lb/gallon (uncontrolled leaded gasoline)	Test Protocol*	FGTestCells	SC V.1	R 336.1205(1)(a) & (3), 40 CFR 52.21(d)
6. 1,3-Butadiene	0.002736 lb/gallon (uncontrolled gasoline) ¹	Test Protocol*	FGTestCells	SC V.1	R 336.1225
7. 1,3-Butadiene	3.74 lbs/day ¹	24-hour rolling time period as determined at the end of each clock hour	FGTestCells	SC II.3, SC VI.3	R 336.1225
8. 1,3-Butadiene	0.05 tpy ¹	12-month rolling time period as determined at the end of each calendar month	FGTestCells	SC II.5, SC VI.2	R 336.1225
9. Formaldehyde	0.15 tpy ¹	12-month rolling time period as determined at the end of each calendar month	FGTestCells	SC II.5, SC VI.2	R 336.1225

Pollutant	Limit	Time Period/ Operating Scenario	Equipment	Testing / Monitoring Method	Underlying Applicable Requirements
Methanol/Ethanol Emission Factors: CO = 1.077 lb/gallon (gal) methanol or ethanol Formaldehyde = 0.001203 lb/gal methanol; 0.000599 lb/gal ethanol 1,3-Butadiene = 0.000385 lb/gal methanol or ethanol		Uncontrolled Gasoline Emission Factors ^A : CO = 4.977 lb/gal gasoline Formaldehyde = 0.00846 lb/gal gasoline 1,3-Butadiene = 0.002736 lb/gal gasoline Lead = 0.0075 lb/gal leaded gasoline; 0.000857 lb/gal unleaded gasoline		Controlled Gasoline Emission Factors ^B : CO = 1.623 lb/gal gasoline Formaldehyde = 0.0025 lb/gal gasoline 1,3-Butadiene = 0.002736 lb/gal gasoline	
*Test protocol shall specify averaging time ^A These emission factors shall be applied to tests conducted on gasoline-burning engines without add-on controls, prior to the testing required by SC V.1. After the testing required by SC V.1 has been completed and approved by the AQD, the tested emission factors should be applied to tests conducted on gasoline burning engines equipped without add-on controls. ^B These emission factors shall be applied to tests conducted on engines equipped with add-on controls, unless other emission factors have been approved by the AQD.					

II. MATERIAL LIMITS

Material	Limit	Time Period / Operating Scenario	Equipment	Testing / Monitoring Method	Underlying Applicable Requirements
1. Total Fuel	340 gal/hr	Hourly	FGTestCells	SC VI.4	R 336.1205(1)(a) & (3), R 336.1225, 40 CFR 52.21(c) & (d)
1a. Total Gasoline	310 gal/hr of SC II.1	Hourly	FGTestCells	SC VI.4	R 336.1205(1)(a) & (3), R 336.1225, 40 CFR 52.21(c) & (d)
1b. Uncontrolled Gasoline	235 gal/hr of SC II.1a	Hourly	FGTestCells	SC VI.4	R 336.1205(1)(a) & (3), R 336.1225, 40 CFR 52.21(c) & (d)
2. Total Fuel	964.4 gal/8-hour	8-hour rolling time period as determined at the end of each clock hour	FGTestCells	SC VI.3	R 336.1205(1)(a) & (3), 40 CFR 52.21(c) & (d)
3. Total Fuel	1,368.4 gal/day ¹	24-hour rolling time period as determined at the end of each clock hour	FGTestCells	SC VI.3	R 336.1225
4. Leaded Gasoline	11,612.7 gal/3-month	3-month rolling time period as determined at the end of each calendar month	FGTestCells	SC VI.2	R 336.1205(1)(a) & (3), 40 CFR 52.21(d)
5. Total Fuel	36005.6 gal/yr	12-month rolling time period as determined at the end of each calendar month	FGTestCells	SC VI.2	R 336.1205(1)(a) & (3), R 336.1225, 40 CFR 52.21(d)

6. The permittee shall burn only methanol, ethanol, unleaded gasoline, and leaded gasoline in FGTestCells. **(R 336.1205(1)(a) (3), R 336.1224, R 336.1225, R 336.1702(a), 40 CFR 52.21(c) & (d))**
7. The permittee shall only burn leaded gasoline with a maximum lead content that does not exceed the lead content in the most recent tested leaded gasoline, or as approved by the AQD District Supervisor, in FGTestCells. **(R 336.1205(1)(a) & (3), 40 CFR 52.21(d))**

III. PROCESS/OPERATIONAL RESTRICTIONS

N/A

IV. DESIGN/EQUIPMENT PARAMETERS

1. The permittee, at their discretion, may equip and maintain any test cell included in FGTestCells with a catalytic converter. **(R 336.1205, R 336.1225, R 336.1702(a), R 336.1910, 40 CFR 52.21(c) & (d))**
2. The permittee shall install and maintain fencing, warning signs, and/or other security measures as necessary to prevent unauthorized individuals from entering the plant property and buildings. **(R 336.1225, 40 CFR 52.21(c) & (d))**

V. TESTING/SAMPLING

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

1. Within four weeks of finishing stack parameter modifications, the permittee shall test the lead emission factor from a representative dynamometer of FGTestCells for uncontrolled, leaded gasoline, by testing at owner's expense, in accordance with Department requirements. The lead emission factor shall be tested while firing leaded gasoline with the maximum desired lead content. No less than 60 days prior to testing, the permittee shall submit a complete test plan to the AQD. The AQD must approve the final plan prior to testing. The permittee shall submit a complete report of the test results to the AQD within 60 days of finishing stack parameter modifications. If a leaded gasoline with higher lead content is requested, then the AQD may request that the lead emission factor be verified through stack testing, at the owner's expense, in accordance with Department requirements. For subsequent testing, the permittee shall submit a complete test plan to the AQD, no less than 60 days prior to testing. The AQD must approve the final plan prior to testing. Verification of emission rates includes the submittal of a complete report of the test results to the AQD within 60 days following the last date of the test **(R 336.1205(1)(a) & (3), R 336.2001, R 336.2003, R 336.2004, 40 CFR 52.21(d))**
2. Within four weeks of finishing stack parameter modifications, the permittee shall test the CO and 1,3-Butadiene emission factors from a representative dynamometer of FGTestCells for uncontrolled gasoline, by testing at owner's expense, in accordance with Department requirements. No less than 60 days prior to testing, the permittee shall submit a complete test plan to the AQD. The AQD must approve the final plan prior to testing. The permittee shall submit a complete report of the test results to the AQD within 60 days of finishing stack parameter modifications. **(R 336.1205(1)(a) & (3), R 336.1225, R 336.2001, R 336.2003, R 336.2004, 40 CFR 52.21(d))**

VI. MONITORING/RECORDKEEPING

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

1. The permittee shall complete all required calculations in a format acceptable to the AQD District Supervisor by the 15th day of the calendar month, for the previous calendar month, unless otherwise specified in any monitoring/recordkeeping special condition. **(R 336.1205(1)(a) & (3), R 336.1225, R 336.1702(a), 40 CFR 52.21(c) & (d))**

2. The permittee shall keep the following information on a monthly basis for FGTestCells:
 - a. Gallons of leaded gasoline used per month and 3-month rolling time period.
 - b. Gallons of the total fuel used per month and 12-month rolling time period.
 - c. CO emission calculations determining the monthly emission rate in tons per calendar month.
 - d. CO emission calculations determining the annual emission rate in tons per 12-month rolling time period as determined at the end of each calendar month.
 - e. Lead emission calculations determining the monthly emission rate in pounds per calendar month.
 - f. Lead emission calculations determining the 3-month emission rate in pounds per 3-month rolling time period as determined at the end of each calendar month.
 - g. 1,3-Butadiene emission calculations determining the monthly emission rate in tons per calendar month.
 - h. 1,3-Butadiene emission calculations determining the annual emission rate in tons per 12-month rolling time period as determined at the end of each calendar month.
 - i. Formaldehyde emission calculations determining the monthly emission rate in tons per calendar month.
 - j. Formaldehyde emission calculations determining the annual emission rate in tons per 12-month rolling time period as determined at the end of each calendar month.

The permittee shall keep the records in a format acceptable to the AQD District Supervisor. The permittee shall keep all records on file and make them available to the Department upon request. **(R 336.1205(1)(a) & (3), R 336.1225, R 336.1702(a), 40 CFR 52.21(c) & (d))**

3. The permittee shall keep the following information on a daily basis for FGTestCells:
 - a. Gallons of the total fuel used per hour, 8-hour rolling time period, and 24-hour rolling time period.
 - b. CO emission calculations determining the hourly emission rate in pounds per clock hour.
 - c. CO emission calculations determining the 8-hour emission rate in pounds per 8-hour rolling time period as determined at the end of each clock hour.
 - d. 1,3-Butadiene emission calculations determining the hourly emission rate in pounds per clock hour.
 - e. 1,3-Butadiene emission calculations determining the daily emission rate in pounds per 24-hour rolling time period as determined at the end of each clock hour.

The permittee shall keep the records in a format acceptable to the AQD District Supervisor. The permittee shall keep all records on file and make them available to the Department upon request. **(R 336.1205(1)(a) & (3), R 336.1225, 40 CFR 52.21(d))**

4. The permittee shall keep the following information on an hourly basis for FGTestCells:
 - a. Gallons of the total fuel used per clock hour.
 - b. Gallons of the total gasoline used per clock hour.
 - c. Gallons of the total uncontrolled gasoline used per clock hour.

The permittee shall keep the records in a format acceptable to the AQD District Supervisor. The permittee shall keep all records on file and make them available to the Department upon request. **(R 336.1205(1)(a) & (3), R 336.1225, R 336.1702(a), 40 CFR 52.21(c) & (d))**

5. The permittee shall keep, in a satisfactory manner, records of the maximum lead content in unleaded and leaded gasoline for each delivery. The permittee shall keep all records on file and make them available to the Department upon request. **(R 336.1205(1)(a) & (3), 40 CFR 52.21(d))**

VII. REPORTING

1. The permittee shall notify the AQD District Supervisor, in writing, within 60 days of the date on which FGTestCells resumed regular operations after the stack parameters were changed. **(R 336.1225, 40 CFR 52.21(c) & (d))**
2. The permittee shall submit a request, in writing, to the AQD District Supervisor, for the use of a higher lead content leaded gasoline than previously tested. The request must be approved prior to use. **(R 336.1205(1)(a) & (3), 40 CFR 52.21(d))**

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. SVTestCellA	32.0	37.0	R 336.1225, 40 CFR 52.21(c) & (d)
2. SVTestCellB	32.0	37.0	R 336.1225, 40 CFR 52.21(c) & (d)
3. SVTestCellC	32.0	37.0	R 336.1225, 40 CFR 52.21(c) & (d)
4. SVTestCellD	47.5	40.0	R 336.1225, 40 CFR 52.21(c) & (d)
5. SVTestCellD1	47.5	40.0	R 336.1225, 40 CFR 52.21(c) & (d)

IX. OTHER REQUIREMENTS

1. The stack requirements listed in SC VIII.1 through 5 shall apply on July 23, 2015. **(R 336.1225, 40 CFR 52.21 (c) & (d))**

Footnotes:

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

The following conditions apply to:
FGPartsCleaners

DESCRIPTION: 11 solvent-based parts cleaners and 4 water-based parts cleaners.

Emission Units: EUSolventCleaners, EUWaterCleaners

POLLUTION CONTROL EQUIPMENT: Covers

I. EMISSION LIMITS

N/A

II. MATERIAL LIMITS

1. The permittee shall not use cleaning solvents containing more than five percent by weight of the following halogenated compounds: methylene chloride, perchloroethylene, trichloroethylene, 1,1,1-trichloroethane, carbon tetrachloride, chloroform, or any combination thereof. This condition is necessary to avoid requirements of 40 CFR Part 63 Subpart T, National Emission Standards for Hazardous Air Pollutants Halogenated Solvent Cleaning. **(R 336.1205(1)(a) and (3), R 336.1224, R 336.1225, R 336.1901)**
2. The permittee shall not use any cleaning solvents with a Reid vapor pressure of 0.3 psia or greater. **(R 336.1707(2) & (3)(a))**

III. PROCESS/OPERATIONAL RESTRICTIONS

1. The permittee shall not operate any solvent-based parts cleaner in FGPartsCleaners at a temperature of 120 degrees Fahrenheit or greater. **(R 336.1224, R 336.1225, R 336.1707(2))**

IV. DESIGN/EQUIPMENT PARAMETERS

1. If practicable, the permittee shall equip and maintain all solvent-based parts cleaners in FGPartsCleaners with covers, which shall be closed whenever parts are not being handled in the cleaner. **(R 336.1224, R 336.1225, R 336.1707(3)(a), R 336.1901)**
2. For all solvent-based parts cleaners, the permittee shall equip and maintain FGPartsCleaners with a device for draining cleaned parts. Parts shall be drained for at least 15 seconds or until dripping ceases. **(R 336.1224, R 336.1225, R 336.1707(3)(a), R 336.1901)**

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 maintain written operating procedures for each solvent-based parts cleaner in FGPartsCleaners. These written procedures shall be posted in an accessible, conspicuous location near each solvent-based parts cleaner in FGPartsCleaners. **(R 336.1224, R 336.1225, R 336.1707(4), R 336.1901)**

- 2 The permittee shall maintain a current listing from the manufacturer of the chemical composition of each solvent-based cleaning agent used in FGPartsCleaners, including the weight percent of each component and the Reid vapor pressure of the cleaning agent. The data may consist of Material Safety Data Sheets, manufacturer's formulation data, or both as deemed acceptable by the AQD District Supervisor. The permittee shall keep all records on file at the facility for a period of at least five years and make them available to the Department upon request. **(R 336.1205(1)(a) and (3), R 336.1224, R 336.1225, R 336.1702, R 336.1901)**

VII. REPORTING

N/A

VIII. STACK/VENT RESTRICTIONS

N/A

IX. OTHER REQUIREMENTS

N/A

Footnotes:

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