

**MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY
AIR QUALITY DIVISION**

December 12, 2023

PERMIT TO INSTALL
93-21B

ISSUED TO
Access Business Group LLC

LOCATED AT
7575 Fulton Street East
Ada, Michigan 49355

IN THE COUNTY OF
Kent

STATE REGISTRATION NUMBER
A2402

The Air Quality Division has approved this Permit to Install, pursuant to the delegation of authority from the Michigan Department of Environment, Great Lakes, and Energy. 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 29, 2023	
DATE PERMIT TO INSTALL APPROVED: December 12, 2023	SIGNATURE:
DATE PERMIT VOIDED:	SIGNATURE:
DATE PERMIT REVOKED:	SIGNATURE:

PERMIT TO INSTALL

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COMMON ACRONYMS

AQD	Air Quality Division
BACT	Best Available Control Technology
CAA	Clean Air Act
CAM	Compliance Assurance Monitoring
CEMS	Continuous Emission Monitoring System
CFR	Code of Federal Regulations
COMS	Continuous Opacity Monitoring System
Department/department/EGLE	Michigan Department of Environment, Great Lakes, and Energy
EU	Emission Unit
FG	Flexible Group
GACS	Gallons of Applied Coating Solids
GC	General Condition
GHGs	Greenhouse Gases
HVLP	High Volume Low Pressure*
ID	Identification
IRSL	Initial Risk Screening Level
ITSL	Initial Threshold Screening Level
LAER	Lowest Achievable Emission Rate
MACT	Maximum Achievable Control Technology
MAERS	Michigan Air Emissions Reporting System
MAP	Malfunction Abatement Plan
MSDS	Material Safety Data Sheet
NA	Not Applicable
NAAQS	National Ambient Air Quality Standards
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	Reasonable Available Control Technology
ROP	Renewable Operating Permit
SC	Special Condition
SCR	Selective Catalytic Reduction
SNCR	Selective Non-Catalytic Reduction
SRN	State Registration Number
TBD	To Be Determined
TEQ	Toxicity Equivalence Quotient
USEPA/EPA	United States Environmental Protection Agency
VE	Visible Emissions

*For HVLP applicators, the pressure measured at the gun air cap shall not exceed 10 psig.

POLLUTANT / MEASUREMENT ABBREVIATIONS

acfm	Actual cubic feet per minute
BTU	British Thermal Unit
°C	Degrees Celsius
CO	Carbon Monoxide
CO ₂ e	Carbon Dioxide Equivalent
dscf	Dry standard cubic foot
dscm	Dry standard cubic meter
°F	Degrees Fahrenheit
gr	Grains
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
NO _x	Oxides of Nitrogen
ng	Nanogram
PM	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 Environment, Great Lakes, and Energy, 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 Environment, Great Lakes, and Energy. **(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 condition 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 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)**

EMISSION UNIT 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 (Including Process Equipment & Control Device(s))	Installation Date / Modification Date	Flexible Group ID
EUCOSMETICS	This emission unit represents the cosmetic manufacturing processes with their associated VOC and particulate emissions. Dust Collectors #1 and #2 are used for particulate control with #1 venting internally and #2 externally. VOCs are not controlled.	06-13-1983/ 11-09-2015	NA
EUKBARAPIDA106PRESS	KBA Rapida 106 non-heatset Sheetfed Offset Lithographic Printing Press with IR and UV curing system. Manual and Automatic Wash System. (PTI No. 76-15)	08-31-2015	NA
EUHPINDIGO	Hewlett-Packard (HP) Indigo WS 6800 digital printing press. (PTI No. 121-15)	07-17-2015	FGDIGITALPRINTING
EUUVCOATER	AB Graphics UV Coater. (PTI No. 121-15)	07-17-2015	FGDIGITALPRINTING
EUENERGYDRINKS	The energy drink mixing and canning line.	01-30-2020 / 01-30-2023 / 12-12-2023	NA
EUNUTRPROD31	Nutritional Products Plant, located in building 31. The process produces a variety of powdered drink mixes for dietary supplements. The process includes raw material transfer, mixing/blending and packaging. The equipment consists of blenders, weigh hoppers, mixers, pneumatic conveying systems and three dust collection systems with HEPA filters that are vented to the in-plant environment.	08-2011	NA
EUNPPCLEAN	Cleaning and sanitizing activities in the Building 31 Nutritional Products Plant using means such as reusable applicators and single-use handheld wipes.	08-2011 03-21-2018	NA
EUPERSONALCARE	This emission unit covers the mixing operations in this area and their associated particulate and VOC emissions. It includes several product storage tanks, mix tanks, pre-mix tanks, pre-weigh areas, equipment wash room and packaging area. The particulate emissions are controlled with a baghouse. VOC emissions are not controlled.	12-09-1996	NA
EUFUELOILTANKS	Storage tanks for No.2 fuel oil/diesel.	03-01-1996	NA

Emission Unit ID	Emission Unit Description (Including Process Equipment & Control Device(s))	Installation Date / Modification Date	Flexible Group ID
EUBOILER800B30A	800 HP/32.5 MMBTU natural gas and fuel oil fired boiler to provide backup steam and heat for the facility.	02-22-1999	NA
EUBOILER#6B67	75,000 pounds steam per hour/67 MMBTU, natural gas and fuel oil fired boiler to provide steam and heat for the facility.	12-01-1980 / 02-08-1989	FGBOILERS
EUBOILER#1EB30	500 HP/21 MMBTU natural gas fired boiler to provide steam and heat for the facility.	05-14-1971 / 02-08-1989	FGBOILERS
EUBOILER#2MB30	500 HP/21 MMBTU natural gas and fuel oil fired boiler to provide steam and heat for the facility.	11-01-1973 / 02-08-1989	FGBOILERS
EUBOILER#3WB30	500 HP/21 MMBTU natural gas and fuel oil fired boiler to provide steam and heat for the facility.	09-01-1978 / 02-08-1989	FGBOILERS
EUB55GENERATOR	A 335 Horsepower (HP) diesel-fueled emergency engine model year 2004 at Bldg. 50.	Model year 2004	FGCIRICEMACT
EUB58AGENERATOR	A 335 Horsepower (HP) diesel-fueled emergency engine model year 2004 at Bldg. 58A.	Model year 2004	FGCIRICEMACT
EUB17GENERATOR	A 235 Horsepower (HP) diesel-fueled emergency engine model year 1998 at Bldg. 17.	Model year 1998	FGCIRICEMACT
EUB31GENERATOR	A 235 Horsepower (HP) diesel-fueled emergency engine model year 1995 at Bldg. 31.	Model year 1995	FGCIRICEMACT
EUB44AGENERATOR	A 201 Horsepower (HP) diesel-fueled emergency engine model year 1996 at Bldg. 44A.	Model year 1996	FGCIRICEMACT
EUB58CGENERATOR	A 201 Horsepower (HP) diesel-fueled emergency engine model year 1989 at Bldg. 58C.	Model year 1989	FGCIRICEMACT
EUB76GENERATOR	A 201 Horsepower (HP) diesel-fueled emergency engine model year 1998 at Bldg. 76.	Model year 1998	FGCIRICEMACT
EUB43GENERATOR	A 67 Horsepower (HP) diesel-fueled emergency engine model year 1989 at Bldg. 43.	Model year 1989	FGCIRICEMACT
EUB44BGENERATOR	A 80 Horsepower (HP) diesel-fueled emergency engine model year 1995 at Bldg. 44B.	Model year 1995	FGCIRICEMACT
EUB65GENERATOR	A 128 Horsepower (HP) natural gas-fueled emergency engine model year 2021 at Bldg. 65.	Model year 2021	FGSIRICENSPS
EUB34GENERATOR	A 134 Horsepower (HP) natural gas fueled emergency engine model year 1996 at Bldg. 34.	Model year 1996	FGSIRICEMACT
EUB56GENERATOR	A 96 Horsepower (HP) natural gas fueled emergency engine model year 2013 at Bldg. 56.	Model year 2013	FGSIRICENSPS

Emission Unit ID	Emission Unit Description (Including Process Equipment & Control Device(s))	Installation Date / Modification Date	Flexible Group ID
EUB72GENERATOR	A 54 Horsepower (HP) natural gas - fueled emergency engine model year 1994 at Bldg.72.	Model year 1994	FGSIRICEMACT
EUB78GENERATOR	A 128 Horsepower (HP) natural gas - fueled emergency engine model year 2021 at Bldg. 78.	Model year 2021	FGSIRICENSPS
EUB79GENERATOR	A 80 Horsepower (HP) natural gas - fueled emergency engine model year 1991 at Bldg. 79.	Model year 1991	FGSIRICEMACT
EUPORTGENERATOR	A 80 Horsepower (HP) diesel-fueled emergency engine model year 1996.	Model year 1996	FGCIRICEMACT
EUB21AGENERATOR1	A 1073 Horsepower (HP) diesel-fueled emergency engine model year 1995 at Bldg. 21A.	Model year 1995	FGCIRICEMACT
EUB21AGENERATOR2	A 1073 Horsepower (HP) diesel-fueled emergency engine model year 1995 at Bldg. 21A.	Model year 1995	FGCIRICEMACT
EUB21AGENERATOR3	A 1073 Horsepower (HP) diesel-fueled emergency engine model year 1995 at Bldg. 21A.	Model year 1995	FGCIRICEMACT
EUB30GENERATOR	A 335 Horsepower (HP) diesel-fueled emergency engine model year 2008 at Bldg. 30.	Model year 2008	FGCIRICENSPS
EULS1GENERATOR	A 107 Horsepower (HP) diesel-fueled emergency engine model year 2012 at Lift Station 1.	Model year 2012	FGCIRICENSPS
EUB30DFIREPUMP	A 175 Horsepower (HP) diesel-fueled fire pump engine model year 2012 at Bldg. 30.	Model year 2012	FGCIRICENSPS
EUB20DFIREPUMP	A 175 Horsepower (HP) diesel-fueled fire pump engine model year 2012 at Bldg. 20.	Model year 2012	FGCIRICENSPS

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 336.1291.

EUCOSMETICS EMISSION UNIT CONDITIONS

DESCRIPTION

This emission unit includes the cosmetics manufacturing processes with their associated VOC and particulate emissions. Dust Collectors #1 and #2 are used for particulate control with #1 venting internally and #2 externally. VOCs are not controlled.

Flexible Group ID: NA

POLLUTION CONTROL EQUIPMENT

Two (2) pulse jet baghouses identified as Dust Collectors #1 and #2

I. EMISSION LIMIT(S)

Pollutant	Limit	Time Period / Operating Scenario	Equipment	Monitoring / Testing Method	Underlying Applicable Requirements
1. Particulate	0.01 lb / 1,000 lbs of exhaust gas**	Hourly ^A / Internally vented	Outlet of dust collector #1	SC VI.1, VI.2	R 336.1331(1)(c)
2. Particulate	0.10 lb / 1,000 lbs of exhaust gas**	Hourly ^A /Externally vented	Outlet of dust collector #2	SC VI.1, VI.2	R 336.1331(1)(a), Table 31(j)
3. VOC	7.6 tpy	12-month rolling time period as determined at the end of each calendar month	EUCOSMETICS	SC VI.3	R 336.1205(3), R 336.1225, R 336.1702(a)

**calculated on a dry gas basis

^A If a stack test is used to demonstrate compliance with this emission limit, the hourly emission rate during the testing shall be determined by the average of the acceptable test runs performed in accordance with the method requirements.

II. MATERIAL LIMIT(S)

Material	Limit	Time Period / Operating Scenario	Equipment	Monitoring / Testing Method	Underlying Applicable Requirements
1. Dry Material	10,000,000 lbs/year	12-month rolling time period as determined at the end of each calendar month	EUCOSMETICS	SC VI.5	R 336.1205(3)
2. Isopropyl Alcohol	2,000 gallons/year	12-month rolling time period as determined at the end of each calendar month	EUCOSMETICS	SC VI.6	R 336.1205(3)

3. The permittee shall not process more than the amounts listed below of the specified materials in EUCOSMETICS per year, based on a 12-month rolling time period as determined at the end of each calendar month. **(R 336.1205(3))**

	VOC Content of Material charged to each batch	Maximum throughput, batches per year
a.	Category I: VOC content between 10% and 42% by weight.	1,000
b.	Category II: VOC content between 42% and 80% by weight.	100
c.	Category III: VOC content between 80% and 100% by weight.	100

III. PROCESS/OPERATIONAL RESTRICTION(S)

1. The permittee shall not operate EUCOSMETICS unless the two (2) Pulse Jet baghouses (Dust Collector #1 and Dust Collector #2) are maintained and operating properly. **(R 336.1331, R 336.1910)**

IV. DESIGN/EQUIPMENT PARAMETER(S)

1. The permittee shall equip and maintain the baghouse(s) with a pressure drop indicator. **(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 maintain records of preventative maintenance performed, as outlined in Appendix A. **(R 336.1331, R 336.1910)**
2. The permittee shall monitor and record the pressure drop reading for each baghouse in accordance with the frequency specified in the Preventative Maintenance Plan. **(R 336.1910)**
3. The permittee shall calculate the VOC emission rate from EUCOSMETICS monthly, for the preceding 12-month rolling time period, using a method acceptable to the AQD District Supervisor. **(R 336.1205(3), R 336.1225, R 336.1702(a))**
4. The permittee shall keep the records using mass balance, or an alternative 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(3))**
5. The permittee shall keep records of the amount in pounds of dry materials used in EUCOSMETICS on a monthly and 12-month rolling time basis. The permittee shall keep all records on file at the facility and make them available to the Department upon request. **(R 336.1205(3))**
6. The permittee shall keep records of the amount in gallons of isopropyl alcohol used in EUCOSMETICS on a monthly and 12-month rolling time basis. The permittee shall keep all records on file at the facility and make them available to the Department upon request. **(R 336.1205(3))**
7. The permittee shall keep a record of the number of batches of material processed in EUCOSMETICS during each calendar month and during the 12-month rolling time period ending that calendar month, according to the groups identified in SC II.3. The permittee shall keep the record on file at the facility, in a format acceptable to the AQD District Supervisor, and make it available to the Department upon request. **(R 336.1205(3))**

VII. REPORTING

NA

VIII. STACK/VENT RESTRICTION(S)

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. SVCOSMETICSDC#2PT	17	58	R 336.1901, R 336.1225, 40 CFR 52.21(c) & (d)

IX. OTHER REQUIREMENT(S)

1. The permittee shall implement and maintain an approvable Preventative Maintenance Program. Any revisions or amendments to the Preventative Maintenance Plan (PMP) shall be submitted to the AQD District Supervisor within 45 days of the revision for review and approval. If the AQD does not notify the permittee within 90 days of submittal, the PMP or amended PMP shall be considered approved.
(R 336.1910)

Footnotes:

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

**EUKBARAPIDA106PRESS
 EMISSION UNIT CONDITIONS**

DESCRIPTION

KBA Rapida 106 non-heatset Sheetfed Offset Lithographic Printing Press with IR and UV curing system. Manual and Automatic Wash System. (PTI No. 76-15)

Flexible Group ID: NA

POLLUTION CONTROL EQUIPMENT

NA

I. EMISSION LIMIT(S)

Pollutant	Limit	Time Period / Operating Scenario	Equipment	Monitoring / Testing Method	Underlying Applicable Requirements
1. VOC	4.8 tpy	12-month rolling time period as determined at the end of each calendar month	EUKBARAPIDA106 PRESS	SC VI.2, VI.3	R 336.1205(3), R 336.1702(a)

II. MATERIAL LIMIT(S)

Material	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. VOC Content of the Fountain Solution	5.0% By Weight as Applied	Instantaneous	EUKBARAPIDA106 PRESS	SC VI.2, VI.4	R 336.1205(3), R 336.1702(a)
2. Blanket/Roller Wash and Cleaning Solution used	4,000 lbs/year	12-month rolling time period as determined at the end of each calendar month	EUKBARAPIDA106 PRESS	SC VI.5	R 336.1205(3)
3. Fountain Solution used	4,000 lbs/year	12-month rolling time period as determined at the end of each calendar month	EUKBARAPIDA106 PRESS	SC VI.6	R 336.1205(3)
4. Printing Ink used	200,000 lbs/year	12-month rolling time period as determined at the end of each calendar month	EUKBARAPIDA106 PRESS	SC VI.7	R 336.1205(3)

III. PROCESS/OPERATIONAL RESTRICTION(S)

1. All VOC-containing inks, fountain solution, coatings, cleaning solvents such as blanket and roller washes, used shop towels, etc. (materials) shall be stored in closed containers and disposed of in an acceptable manner, in compliance with all applicable state rules and federal regulations. **(R 336.1205(3), R 336.1225, R 336.1702(a))**

2. The permittee shall handle all VOC and/or HAP containing materials, in a manner to minimize the generation of fugitive emissions. The permittee shall keep containers covered at all times except when operator access is necessary. **(R 336.1205(3), R 336.1225, R 336.1702(a))**
3. All printing press-related cleaning solvents shall have VOC composite partial vapor pressures that do not exceed 10 mmHg @ 20°C (68°F). **(R 336.1205(3), R 336.1702(a))**

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))**

1. The permittee shall determine the VOC content of any ink, fountain solution, coating, cleaning solvent, etc. (material), as received and as applied, using federal Reference Test Method 24/24A pursuant to State Rule 1040(5). Upon prior written approval by the AQD District Supervisor, the permittee may determine the VOC content from manufacturer's formulation data. If the Method 24/24A and the formulation values should differ, the permittee shall use the Method 24/24A results to determine compliance. **(R 336.1205(3), R 336.1702(a), R 336.2001, R 336.2003, R 336.2004, R 336.2040(5))**

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 end of the calendar month, for the previous calendar month, unless otherwise specified in any monitoring/recordkeeping special condition. **(R 336.1205(3), R 336.1225, R 336.1702(a))**
2. The permittee shall maintain a current listing from the manufacturer of the chemical composition of each VOC containing material, including the weight percent of each component. 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 and make them available to the Department upon request. **(R 336.1205(3), R 336.1225, R 336.1702)**
3. The permittee shall keep the following information on a calendar month basis for EUKBARAPIDA106PRESS:
 - a) The type of each VOC containing material used and reclaimed (non-heatset inks, UV inks, coatings, fountain solutions, manually applied cleaning solutions, automatic wash system cleaning solutions, etc.).
 - b) The VOC content of each material as received and as-applied (in percent by weight or pounds per gallon).
 - c) VOC mass emission calculations determining the monthly emission rate in tons per calendar month. (Retention factors from Control Techniques Guidelines for Offset Lithographic Printing and Letterpress Printing, EPA-453/R-06-002, September 2006 may be used, or an alternate factor approved by the AQD District Supervisor.)
 - d) VOC emission calculations determining the annual emission rate in tons per 12-month rolling time period as determined at the end of each calendar month. (Retention factors from Control Techniques Guidelines for Offset Lithographic Printing and Letterpress Printing, EPA-453/R-06-002, September 2006 may be used, or an alternate factor approved by the AQD District Supervisor.)

The permittee shall keep the records using mass balance, or 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(3), R 336.1702(a))**

4. The permittee shall calculate the VOC content of the fountain solution using the method detailed in Appendix B or an alternate method approved by the AQD District Supervisor. Calculations shall include both dampening aid and wetting agent, as used, in percent by weight. The permittee shall keep all records on file at the facility and make them available to the Department upon request. **(R 336.1205(3), R 336.1702(a))**

5. The permittee shall keep records of the amount in pounds of blanket/roller wash and cleaning solution used in EUKBARAPIDA106PRESS on a monthly and 12-month rolling time basis. The permittee shall keep all records on file at the facility and make them available to the Department upon request. **(R 336.1205(3))**
6. The permittee shall keep records of the amount in pounds of fountain solution used in EUKBARAPIDA106PRESS on a monthly and 12-month rolling time basis. The permittee shall keep all records on file at the facility and make them available to the Department upon request. **(R 336.1205(3))**
7. The permittee shall keep records of the amount in pounds of printing ink used in EUKBARAPIDA106PRESS on a monthly and 12-month rolling time basis. The permittee shall keep all records on file at the facility and make them available to the Department upon request. **(R 336.1205(3))**

VII. REPORTING

NA

VIII. STACK/VENT RESTRICTION(S)

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-KBA106Press-01 (IR Dryer & Delivery)	16	39	R 336.1225 40 CFR 52.21(c) & (d)
2. SV-KBA106Press-02 (UV Cooling & Delivery)	16	39	R 336.1225 40 CFR 52.21(c) & (d)
3. SV-KBA106Press-03 (UV Cooling)	16	39	R 336.1225 40 CFR 52.21(c) & (d)
4. SV-KBA106Press-04 (UV Cooling)	16	39	R 336.1225 40 CFR 52.21(c) & (d)

IX. OTHER REQUIREMENT(S)

NA

Footnotes:

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

EUENERGYDRINKS EMISSION UNIT CONDITIONS

DESCRIPTION

The energy drink mixing and canning line.

Flexible Group ID: NA

POLLUTION CONTROL EQUIPMENT

Two portable dust collection vacuum units, each equipped with a HEPA filter

I. EMISSION LIMIT(S)

Pollutant	Limit	Time Period / Operating Scenario	Equipment	Monitoring / Testing Method	Underlying Applicable Requirements
1. PM	0.005 lb/1,000 lb exhaust gas (dry gas basis)	Hourly	EUENERGYDRINKS	SC VI.1, VI.2	R 336.1224, R 336.1331
2. VOC	31.5 tpy	12-month rolling time period as determined at the end of each calendar month	EUENERGYDRINKS	SC VI.3	R 336.1205(3), R 336.1702(a)

II. MATERIAL LIMIT(S)

- The permittee shall not process more than the amounts listed below of the specified materials in EUENERGYDRINKS per year, based on a 12-month rolling time period as determined at the end of each calendar month. **(R 336.1205(3), R 336.1225, R 336.1702(a))**

	VOC Content of Material charged to each batch	Maximum throughput, batches per year
a.	Group 1: VOC content greater than 82.44 and no more than 138.24 lb VOC per batch	106
b.	Group 2: VOC content greater than 41.34 and no more than 82.44 lb VOC per batch	292
c.	Group 3: VOC content greater than 27.32 and no more than 41.34 lb VOC per batch	253
d.	Group 4: VOC content up to 27.32 lb VOC per batch	508

- The VOC content of the materials used in EUENERGYDRINKS shall not exceed 138.24 pounds per batch. **(R 336.1205(3), R 336.1702(a))**

III. PROCESS/OPERATIONAL RESTRICTION(S)

- The permittee shall implement and maintain an approvable Preventative Maintenance Program (PMP). Any revisions or amendments to the PMP shall be submitted to the AQD District Supervisor within 45 days of the revision for review and approval. If the AQD does not notify the permittee within 90 days of submittal, the PMP or amended PMP shall be considered approved. **(R 336.1910)**
- The permittee shall not charge solid materials to equipment in the pre-weigh room or to the mix tank in EUENERGYDRINKS unless the associated portable dust collection vacuum is installed, maintained, and

operated in a satisfactory manner. Satisfactory operation of each portable dust collection vacuum includes a pressure drop reading within the range indicating satisfactory operation, as identified in the PMP. **(R 336.1224, R 336.1331, R 336.1910, 40 CFR 52.21(c) and (d))**

IV. DESIGN/EQUIPMENT PARAMETER(S)

1. The permittee shall equip and maintain each portable dust collection vacuum with a device to indicate the pressure drop across the HEPA filter. **(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 maintain records of preventative maintenance performed, as outlined in Appendix A. **(R 336.1910)**
2. The permittee shall monitor and record the pressure drop reading for each portable dust collection vacuum's HEPA filter in accordance with the frequency specified in the PMP. **(R 336.1910)**
3. The permittee shall keep the following information on a calendar month basis for EUENERGYDRINKS:
 - a) Gallons or pounds of each VOC-containing material used.
 - b) Where applicable, gallons or pounds of each VOC-containing material reclaimed.
 - c) VOC content, in pounds per gallon or pounds per pound, of each VOC-containing material used.
 - d) VOC emission calculations on a mass balance basis, determining the VOC content of each batch produced, in pounds per batch.
 - e) VOC emission calculations on a mass balance basis, determining the monthly emission rate in tons per calendar month.

The permittee shall keep the records on file at the facility, in a format acceptable to the AQD District Supervisor, and make them available to the Department upon request. **(R 336.1205(3), R 336.1702(a))**

4. The permittee shall keep a record of the number of batches of material processed in EUENERGYDRINKS during each calendar month and during the 12-month rolling time period ending that calendar month, according to the groups identified in SC II.1. The permittee shall keep the record on file at the facility, in a format acceptable to the AQD District Supervisor, and make it available to the Department upon request. **(R 336.1205(3), R 336.1225, R 336.1702(a))**

VII. REPORTING

NA

VIII. STACK/VENT RESTRICTION(S)

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. SVENERGYDRINKS	3	35	R 336.1225, 40 CFR 52.21(c)&(d)

IX. OTHER REQUIREMENT(S)

NA

Footnotes:

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

EUNUTRPROD31 EMISSION UNIT CONDITIONS
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DESCRIPTION

Nutritional Products Plant, located in building 31. The process produces a variety of powdered drink mixes for dietary supplements. The process includes raw material transfer, mixing/blending and packaging. The equipment consists of blenders, weigh hoppers, mixers, pneumatic conveying systems and three dust collection systems with HEPA filters that will be vented to the in-plant environment.

Flexible Group ID: NA

POLLUTION CONTROL EQUIPMENT

Three (3) dust collection systems with HEPA filters

I. EMISSION LIMIT(S)

NA

II. MATERIAL LIMIT(S)

NA

III. PROCESS/OPERATIONAL RESTRICTION(S)

1. The permittee shall implement and maintain an approvable Preventative Maintenance/Malfunction Abatement Plan (PM/MAP) for EUNUTRPROD31. The permittee shall not operate EUNUTRPROD31 unless the PM/MAP, or an alternate plan approved by the AQD District Supervisor, is implemented and maintained. The plan shall incorporate procedures recommended by the equipment manufacturer as well as incorporating standard industry practices. At a minimum, the plan shall include:

- a) Identification of the equipment and, if applicable, air-cleaning device and the supervisory personnel responsible for overseeing the inspection, maintenance, and repair;
- b) Description of the items or conditions to be inspected and frequency of the inspections or repairs;
- c) Identification of the equipment and, if applicable, air-cleaning device, operating parameters that shall be monitored to detect a malfunction or failure, the normal operating range of these parameters and a description of the method of monitoring or surveillance procedures;
- d) Identification of the major replacement parts that shall be maintained in inventory for quick replacement;
- e) A description of the corrective procedures or operational changes that shall be taken in the event of a malfunction or failure to achieve compliance with the applicable emission limits.

If the plan fails to address or inadequately addresses an event that meets the characteristics of a malfunction at the time the plan is initially developed, the owner or operator shall revise the plan within 45 days after such an event occurs and submit the revised plan for approval to the AQD District Supervisor. Should the AQD determine the PM/MAP to be inadequate, the AQD District Supervisor may request modification of the plan to address those inadequacies. (R 336.1224, R 336.1225, R 336.1331, R 336.1910, R 336.1911, R 336.1912)

IV. DESIGN/EQUIPMENT PARAMETER(S)

1. The permittee shall not operate any process in EUNUTRPROD31 unless the associated dust collection system and HEPA filter is installed, maintained, and operated in a satisfactory manner. Satisfactory operation includes but is not limited to following all maintenance and operational procedures for each of the dust collection systems and HEPA filters as specified by the manufacturer. The maintenance and operational procedures specified by the manufacturer for the dust collection systems and HEPA filters shall be included in the Preventative Maintenance/Malfunction Abatement Plan, required by SC III.1. **(R 336.1224, 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))**

NA

VII. REPORTING

NA

VIII. STACK/VENT RESTRICTION(S)

1. The exhaust gases from any process equipment in EUNUTRPROD31 shall not be discharged to the ambient air at any time. **(R 336.1224, R 336.1225, R 336.1331, R 336.1901)**

IX. OTHER REQUIREMENT(S)

NA

Footnotes:

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

**EUNPPCLEAN
 EMISSION UNIT CONDITIONS**

DESCRIPTION

Cleaning and sanitizing activities in the Building 31 Nutritional Products Plant using means such as reusable applicators and single-use handheld wipes.

Flexible Group ID: NA

POLLUTION CONTROL EQUIPMENT

NA

I. EMISSION LIMIT(S)

Pollutant	Limit	Time Period / Operating Scenario	Equipment	Monitoring / Testing Method	Underlying Applicable Requirements
1. VOC	7.6 tpy	12-month rolling time period as determined at the end of each calendar month	EUNPPCLEAN	SC VI.1	R 336.1205(3), R 336.1702(a)

II. MATERIAL LIMIT(S)

Material	Limit	Time Period / Operating Scenario	Equipment	Monitoring / Testing Method	Underlying Applicable Requirements
1. Solvent containing no more than 1.5 percent by weight of VOC used	1,200 gallons/year	12-month rolling time period as determined at the end of each calendar month	EUNPPCLEAN	SC VI.2	R 336.1205(3)
2. Solvent containing no more than 63.2 percent by weight of VOC used	1,200 gallons/year	12-month rolling time period as determined at the end of each calendar month	EUNPPCLEAN	SC VI.3	R 336.1205(3)
3. Cleaning wipes containing no more than 15.0 percent by weight of VOC used	20,000 pounds/year	12-month rolling time period as determined at the end of each calendar month	EUNPPCLEAN	SC VI.4	R 336.1205(3)
4. Cleaning wipes containing no more than 64.8 percent by weight of VOC used	10,000 pounds/year	12-month rolling time period as determined at the end of each calendar month	EUNPPCLEAN	SC VI.5	R 336.1205(3)

III. PROCESS/OPERATIONAL RESTRICTION(S)

1. The permittee shall handle all VOC-containing cleaning materials, including moistened wipes, applicators, and solvents, in a manner to minimize the generation of fugitive emissions when not in use for cleaning purposes. When these materials are not in use for cleaning purposes, the permittee shall keep them in containers that are covered at all times except when operator access is necessary. **(R 336.1205(3), R 336.1225, R 336.1702(a))**
2. The permittee shall store all spent VOC-containing cleaning materials, including wipes and applicators, in closed containers. The permittee shall dispose of all spent cleaning materials in an acceptable manner in compliance with all applicable state rules and federal regulations. **(R 336.1205(3), R 336.1225, R 336.1702(a))**

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))**

1. The permittee shall calculate the VOC emission rate from EUNPPCLEAN monthly, for the preceding 12-month rolling time period, using a mass balance approach or an alternate method acceptable to the AQD District Supervisor. The permittee shall keep all records on file at the facility and make them available to the Department by the end of the calendar month, for the previous calendar month. **(R 336.1205(3), R 336.1702(a))**
2. The permittee shall keep records of the amount in gallons of solvent containing no more than 1.5 percent by weight of VOC used in EUNPPCLEAN on a monthly and 12-month rolling time basis. The permittee shall keep all records on file at the facility and make them available to the Department upon request. **(R 336.1205(3))**
3. The permittee shall keep records of the amount in gallons of solvent containing no more than 63.2 percent by weight of VOC used in EUNPPCLEAN on a monthly and 12-month rolling time basis. The permittee shall keep all records on file at the facility and make them available to the Department upon request. **(R 336.1205(3))**
4. The permittee shall keep records of the amount in pounds of cleaning wipes containing no more than 15.0 percent by weight of VOC used in EUNPPCLEAN on a monthly and 12-month rolling time basis. The permittee shall keep all records on file at the facility and make them available to the Department upon request. **(R 336.1205(3))**
5. The permittee shall keep records of the amount in pounds of cleaning wipes containing no more than 64.8 percent by weight of VOC used in EUNPPCLEAN on a monthly and 12-month rolling time basis. The permittee shall keep all records on file at the facility and make them available to the Department upon request. **(R 336.1205(3))**

VII. REPORTING

NA

VIII. STACK/VENT RESTRICTION(S)

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

NA

IX. OTHER REQUIREMENT(S)

NA

Footnotes:

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

**EUPERSONALCARE
 EMISSION UNIT CONDITIONS**

DESCRIPTION

Mixing operations in the Personal Care area and their associated particulate and VOC emissions. It includes several product storage tanks, mix tanks, pre-mix tanks, pre-weigh areas, equipment wash room and packaging area. The particulate emissions are controlled with a baghouse. VOC emissions are not controlled.

Flexible Group ID: NA

POLLUTION CONTROL EQUIPMENT

Pulse jet fabric filter baghouse

I. EMISSION LIMIT(S)

Pollutant	Limit	Time Period / Operating Scenario	Equipment	Monitoring / Testing Method	Underlying Applicable Requirements
1. Particulate	0.01 lb / 1,000 lbs of exhaust gases*	Hourly ^A	Outlet of dust collection system	SC VI.1, VI.2	R 336.1331(1)(c)
2. VOC	6.0 tpy	12-month rolling time period as determined at the end of each calendar month	Personal care department	SC VI.3	R 336.1205(3), R 336.1225, R 336.1702(a)

* calculated on a dry gas basis

^A If a stack test is used to demonstrate compliance with this emission limit, the hourly emission rate during the testing shall be determined by the average of the acceptable test runs performed in accordance with the method requirements.

II. MATERIAL LIMIT(S)

- The permittee shall not process more than the amounts listed below of the specified materials in EUPERSONALCARE per year, based on a 12-month rolling time period as determined at the end of each calendar month. **(R 336.1205(3))**

	VOC Content of Material charged to each batch	Maximum throughput, batches per year
a.	Category I: VOC content between 10% and 42% by weight.	2,000
b.	Category II: VOC content between 42% and 80% by weight.	2,000
c.	Category III: VOC content between 80% and 100% by weight.	2,000

III. PROCESS/OPERATIONAL RESTRICTION(S)

- The permittee shall not operate the process unless the fabric filter baghouse is maintained and operating properly. **(R 336.1910)**

IV. DESIGN/EQUIPMENT PARAMETER(S)

- The permittee shall equip and maintain the baghouse(s) with a pressure drop indicator. **(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 maintain records of preventative maintenance performed, as outlined in Appendix A. **(R 336.1910)**
2. The permittee shall monitor and record the pressure drop reading for each baghouse in accordance with the frequency specified in the Preventative Maintenance Plan. **(R 336.1910)**
3. The permittee shall calculate the VOC emission rate from EUPERSONALCARE monthly, for the preceding 12-month rolling time period, using a method acceptable to the AQD District Supervisor. **(R 336.1205(3), R 336.1225, R 336.1702(a))**
4. The permittee shall keep the VOC records using mass balance, or an alternative method and 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(3), R 336.1225, R 336.1702(a))**
5. The permittee shall keep a record of the number of batches of material processed in EUPERSONALCARE during each calendar month and during the 12-month rolling time period ending that calendar month, according to the groups identified in SC II.1. The permittee shall keep the record on file at the facility, in a format acceptable to the AQD District Supervisor, and make it available to the Department upon request. **(R 336.1205(3))**

VII. REPORTING

NA

VIII. STACK/VENT RESTRICTION(S)

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. SVDUSTCOLLECTOR1	26	36	R 336.1331(1)(c)

IX. OTHER REQUIREMENT(S)

1. The permittee shall implement and maintain an approvable Preventative Maintenance Program. Any revisions or amendments to the Preventative Maintenance Plan (PMP) shall be submitted to the AQD District Supervisor within 45 days of the revision for review and approval. If the AQD does not notify the permittee within 90 days of submittal, the PMP or amended PMP shall be considered approved. **(R 336.1910)**

Footnotes:

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

EUFUELOILTANKS EMISSION UNIT CONDITIONS
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DESCRIPTION

Storage tanks for No. 2 fuel oil/diesel. These storage tanks are subject to the provisions of NSPS Subpart Kb.

Flexible Group ID: NA

POLLUTION CONTROL EQUIPMENT

NA

I. EMISSION LIMIT(S)

NA

II. MATERIAL LIMIT(S)

NA

III. PROCESS/OPERATIONAL RESTRICTION(S)

NA

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))

1. The permittee shall maintain the following records: (40 CFR 60.116b(b))
 - a) The number of storage vessels;
 - b) The dimensions of the storage vessels;
 - c) An analysis showing storage capacity of vessels.

VII. REPORTING

NA

VIII. STACK/VENT RESTRICTION(S)

NA

IX. OTHER REQUIREMENT(S)

1. The permittee shall not operate the fuel oil tanks unless all the applicable requirements of the Federal Standards of Performance for New Stationary Sources as specified in 40 CFR Part 60, Subparts A and Kb are met. **(40 CFR Part 60, Subparts A and Kb)**

Footnotes:

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

**EUBOILER800B30A
EMISSION UNIT CONDITIONS**

DESCRIPTION

800 horsepower / 32.5 MMBTU natural gas fired firetube boiler to provide backup steam and heat for the facility. Located in Building 30A. This boiler is subject to the provisions of NSPS Subpart Dc

Flexible Group ID: NA

POLLUTION CONTROL EQUIPMENT

NA

I. EMISSION LIMIT(S)

NA

II. MATERIAL LIMIT(S)

1. The permittee shall only burn pipeline quality natural gas in EUBOILER800B30A. **(R 336.1205(3))**

III. PROCESS/OPERATIONAL RESTRICTION(S)

NA

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))**

NA

VII. REPORTING

NA

VIII. STACK/VENT RESTRICTION(S)

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 Dimensions (inches)	Minimum Height Above Ground (feet)	Underlying Applicable Requirements
1. SVBLRSTAK800B30A	28	37	R 336.1201(3)

IX. OTHER REQUIREMENT(S)

1. The permittee shall not operate the boiler unless all the applicable requirements of the Federal Standards of Performance for New Stationary Sources as specified in 40 CFR Part 60, Subparts A and Dc are met.²
(40 CFR Part 60, Subparts A and Dc)

Footnotes:

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

FLEXIBLE GROUP SPECIAL CONDITIONS

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
FGDIGITALPRINTING	The digital printing operations for printing labels and product information documents associated with various consumer products (PTI No. 121-15)	EUHPINDIGO EUUVCOATER
FGBOILERS	All non-NSPS boilers in operation at the plant that burn natural gas.	EUBOILER#6B67 EUBOILER#1EB30 EUBOILER#2MB30 EUBOILER#3WB30
FGCIRICEMACT	Emergency engines that are existing CI engines at an area source of HAPS that commenced construction or reconstruction before June 12, 2006, and have an initial compliance date of May 3, 2013.	EUB55GENERATOR EUB58GENERATOR EUB17GENERATOR EUB31GENERATOR EUB44GENERATOR EUB58CGENERATOR EUB76GENERATOR EUB43GENERATOR EUB44BGENERATOR EUB21AGENERATOR1 EUB21AGENERATOR2 EUB21AGENERATOR3 EUPORTGENERATOR
FGSIRICEMACT	Emergency engines that are existing SI engines at an area source of HAPS that commenced construction or reconstruction before June 12, 2006, and have an initial compliance date of October 19, 2013.	EUB34GENERATOR EUB72GENERATOR EUB79GENERATOR
FGCIRICENSPS	This flex group is for new/reconstructed CI engines at an area source of HAPS that commenced construction or reconstruction on or after June 12, 2006. Engines are subject to MACT Subpart ZZZZ, but to demonstrate compliance they must comply with requirements in 40 CFR Part 60, Subpart IIII.	EUB30GENERATOR EULS1GENERATOR EUB20DFIREPUMP EUB30DFIREPUMP
FGSIRICENSPS	This flex group is for emergency natural gas fired spark ignition (SI) combustion engines new/reconstructed at an area sources of HAPS that commenced construction or reconstruction on or after June 12, 2006. Engines are subject to MACT Subpart JJJJ, but to demonstrate compliance they must comply with requirements in 40 CFR Part 60, Subpart JJJJ.	EUB56GENERATOR EUB65GENERATOR EUB78GENERATOR

**FGDIGITALPRINTING
 FLEXIBLE GROUP CONDITIONS**

DESCRIPTION

Digital Printing operation for printing labels and product information documents associated with various consumer products. (PTI No. 121-15)

Emission Units: EUHPINDIGO, EUUVCOATER

POLLUTION CONTROL EQUIPMENT

NA

I. EMISSION LIMIT(S)

Pollutant	Limit	Time Period / Operating Scenario	Equipment	Monitoring / Testing Method	Underlying Applicable Requirements
1. VOCs	3.2 tpy	12-month rolling time period as determined at the end of each calendar month	FGDIGITALPRINTING	SC VI.3	R 336.1205(3), R 336.1702(a)

II. MATERIAL LIMIT(S)

Material	Limit	Time Period / Operating Scenario	Equipment	Monitoring / Testing Method	Underlying Applicable Requirements
1. Digital Label Press UV Coatings used	45,000 lbs/year	12-month rolling time period as determined at the end of each calendar month	FGDIGITALPRINTING	SC VI.4	R 336.1205(3)
2. Digital Label Press Cleaning materials used	1,600 lbs/year	12-month rolling time period as determined at the end of each calendar month	FGDIGITALPRINTING	SC VI.5	R 336.1205(3)
3. Digital Label Press Cartridges and Toners used	5,000 lbs/year	12-month rolling time period as determined at the end of each calendar month	FGDIGITALPRINTING	SC VI.6	R 336.1205(3)

III. PROCESS/OPERATIONAL RESTRICTION(S)

1. All VOC-containing inks, imaging oil, coatings, cleaning solvents, used shop towels, etc. (materials) shall be stored in closed containers and disposed of in an acceptable manner, in compliance with all applicable state rules and federal regulations. **(R 336.1205(3), R 336.1225, R 336.1702(a))**
2. The permittee shall handle all VOC and/or HAP containing materials in a manner to minimize the generation of fugitive emissions. The permittee shall keep containers covered at all times except when operator access is necessary. **(R 336.1205(3), R 336.1225, R 336.1702(a))**

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))**

1. The permittee shall determine the VOC content of any ink, imaging oil, coating, cleaning solvent, etc. (material), as received, using federal Reference Test Method 24/24A pursuant to State Rule 1040(5). Upon prior written approval by the AQD District Supervisor, the permittee may determine the VOC content from manufacturer's formulation data. If the Method 24/24A and the formulation values should differ, the permittee shall use the Method 24/24A results to determine compliance. **(R 336.1205(3), R 336.1702(a), R 336.2001, R 336.2003, R 336.2004, R 336.2040(5))**

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 end of the calendar month, for the previous calendar month, unless otherwise specified in any monitoring/recordkeeping special condition. **(R 336.1205(3), R 336.1225, R 336.1702(a))**
2. The permittee shall maintain a current listing from the manufacturer of the chemical composition of each VOC containing material, including the weight percent of each component. 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 and make them available to the Department upon request. **(R 336.1205(3), R 336.1225, R 336.1702)**
3. The permittee shall keep the following information on a calendar month basis for FGDIGITALPRINTING:
 - a) The type of each VOC containing material used and reclaimed (inks, imaging oils, imaging agents, UV coatings, cleaning solvents, etc.).
 - b) The VOC content of each material as received (in percent by weight or pounds per gallon).
 - c) VOC mass emission calculations determining the monthly emission rate in tons per calendar month.
 - d) VOC 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 VOC records using mass balance, or 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(3), R 336.1225, R 336.1702)**

4. The permittee shall keep records of the amount in pounds of digital label press UV coatings used in FGDIGITALPRINTING on a monthly and 12-month rolling time basis. The permittee shall keep all records on file at the facility and make them available to the Department upon request. **(R 336.1205(3))**
5. The permittee shall keep records of the amount in pounds of digital label press cleaning materials used in FGDIGITALPRINTING on a monthly and 12-month rolling time basis. The permittee shall keep all records on file at the facility and make them available to the Department upon request. **(R 336.1205(3))**
6. The permittee shall keep records of the amount in pounds of digital label press cartridges and toners used in FGDIGITALPRINTING on a monthly and 12-month rolling time basis. The permittee shall keep all records on file at the facility and make them available to the Department upon request. **(R 336.1205(3))**

VII. REPORTING

NA

VIII. STACK/VENT RESTRICTION(S)

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-HP* (HP Digital Press)	10	45	R 336.1225 40 CFR 52.21(c) & (d)
2. SV-UV1* (ABG UV Coater)	10	45	R 336.1225 40 CFR 52.21(c) & (d)
3. SV-UV2* (ABG UV Coater)	10	45	R 336.1225 40 CFR 52.21(c) & (d)

*Gooseneck Down Discharge

IX. OTHER REQUIREMENT(S)

NA

Footnotes:

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

**FGBOILERS
FLEXIBLE GROUP CONDITIONS**

DESCRIPTION

All non-NSPS subject boilers in operation at the plant. All of the boilers use natural gas as fuel, and vary in size from 14.7 MMBTU to 98 MMBTU.

Emission Units: EUBOILER#6B67, EUBOILER#1EB30, EUBOILER#2MB30, EUBOILER#3WB30

POLLUTION CONTROL EQUIPMENT

NA

I. EMISSION LIMIT(S)

NA

II. MATERIAL LIMIT(S)

1. The permittee shall only burn pipeline quality natural gas in each boiler in FGBOILERS. (R 336.1205(3))

III. PROCESS/OPERATIONAL RESTRICTION(S)

NA

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))

NA

VII. REPORTING

NA

VIII. STACK/VENT RESTRICTION(S)

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. SVBLRSTACK#6B67	54	50	R 336.1201(3)
2. SVBLRSTACK#1EB30	24	31	R 336.1201(3)

Stack & Vent ID	Maximum Exhaust Diameter / Dimensions (inches)	Minimum Height Above Ground (feet)	Underlying Applicable Requirements
3. SVBLRSTACK#2MB30	24	33	R 336.1201(3)
4. SVBLRSTACK#3WB30	24	33	R 336.1201(3)

IX. OTHER REQUIREMENT(S)

NA

Footnotes:

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

**FGCIRICEMACT
FLEXIBLE GROUP CONDITIONS**

DESCRIPTION

Existing emergency diesel fuel fired compression ignition (CI) internal combustion engines with applicability to the Area Source Reciprocating Internal Combustion Engine (RICE) NESHAP 40 CFR Part 63, Subpart ZZZZ. This is applicable to existing stationary CI engines located at an area source of HAPS that commenced construction or reconstruction before June 12, 2006.

Emission Units: EUB55GENERATOR, EUB58AGENERATOR, EUB17GENERATOR, EUB31GENERATOR, EUB44AGENERATOR, EUB58CGENERATOR, EUB76GENERATOR, EUB43GENERATOR, EUB44BGENERATOR, EUB21AGENERATOR1, EUB21AGENERATOR2, EUB21AGENERATOR3, EUPORTGENERATOR

POLLUTION CONTROL EQUIPMENT

NA

I. EMISSION LIMIT(S)

NA

II. MATERIAL LIMIT(S)

NA

III. PROCESS/OPERATIONAL RESTRICTION(S)

1. There is no time limit on the use of stationary RICE in emergency situations. **(40 CFR 63.6640(f)(1))**
2. The permittee may operate each CI engine for no more than 100 hours per calendar year for the purpose of necessary maintenance checks and readiness testing, provided that the tests are recommended by Federal, State, or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The permittee may petition the Department for approval of additional hours to be used for maintenance checks and readiness testing. A petition is not required if the owner or operator maintains records indicating that Federal, State, or local standards require maintenance and testing of emergency internal combustion engines beyond 100 hours per calendar year. **(40 CFR 63.6640(f)(2))**
3. Each engine in FGCIRICEMACT may operate up to 50 hours per calendar year in non-emergency situations, but those 50 hours are counted towards the 100 hours per calendar year provided for maintenance and testing as provided in 40 CFR 63.6640(f)(2). The 50 hours per calendar year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for the permittee to supply non-emergency power as part of a financial arrangement with another entity, except as allowed in 40 CFR 63.6640(f)(4)(ii). **(40 CFR 63.6640(f)(4))**
4. The permittee shall minimize the time spent at idle during startup and minimize the startup time of the stationary RICE to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the emission standards applicable to all times other than startup apply. **(40 CFR 63.6625(h))**

5. Each engine in FGCIRICEMACT shall be installed, maintained, and operated in a satisfactory manner. A list of recommended work practice standards as specified in 40 CFR 63.6603 and 40 CFR Part 63, Subpart ZZZZ, Table 2d, Item 4. The following are the work practices specified in 40 CFR Part 63, Subpart ZZZZ, Table 2d. **(40 CFR 63.6603, 40 CFR Part 63, Subpart ZZZZ, Table 2d, Item 4)**
 - a) Change oil and filter every 500 hours of operation or annually, whichever comes first.
 - b) Inspect the spark plugs every 1,000 hours of operation or annually, whichever comes first, and replace as necessary.
 - c) Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.
6. The permittee may utilize an oil analysis program in order to extend the specified oil change requirement. The oil analysis must be performed at the same frequency as oil changes are required. The oil analysis must be performed at the same frequency specified for changing the oil in Table 2d of 40 CFR Part 63, Subpart ZZZZ. **(40 CFR 63.6625(i))**
7. The permittee shall not operate any engine in FGCIRICEMACT for more than 500 hours per 12 month rolling time period as determined at the end of each calendar month. The 500 hours includes the hours for the purpose of necessary maintenance checks and readiness testing as described in SC III.2. **(R 336.1205(3))**

IV. DESIGN/EQUIPMENT PARAMETER(S)

1. The permittee shall equip and maintain each engine in FGCIRICEMACT with non-resettable hours meters to track the operating hours. **(40 CFR 63.6655(f))**

V. TESTING/SAMPLING

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

1. If using the oil analysis program in order to extend the specified oil change requirement in 40 CFR Part 63, Subpart ZZZZ, Table 2d, the permittee must at a minimum analyze the following three parameters: Total Base Number, viscosity, and percent water content. The condemning limits for these parameters are as follows Total Acid Number increases by more than 3.0 milligrams of potassium hydroxide (KOH) per gram from Total Acid Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator must change the oil within 2 business days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil within 2 business days or before commencing operation, whichever is later. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine. **(40 CFR 63.6625(j))**

VI. MONITORING/RECORDKEEPING

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

1. For each engine in FGCIRCEMACT, the permittee shall keep in a satisfactory manner, records of the occurrence and duration of each malfunction of operation or the air pollution control monitoring equipment. The permittee shall keep all records on file and make them available to the department upon request. **(40 CFR 63.6655(a)(2), 40 CFR 63.6660)**
2. For each engine in FGCIRICEMACT, the permittee shall keep in a satisfactory manner, records of actions taken during periods of malfunction to minimize emissions, including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation. The permittee shall keep all records on file and make them available to the department upon request. **(40 CFR 63.6655(a)(5), 40 CFR 63.6660)**
3. For each engine in FGCIRICEMACT, the permittee shall monitor and record the total hours of operation per calendar year, recorded through the non-resettable hours meter, in a manner acceptable to the AQD District

Supervisor. The permittee shall document how many hours are spent for emergency operation; including what classified the operation as emergency and how many hours are spent for non-emergency operation. If the engine is used for the purposes specified in 40 CFR 63.6640(f)(4)(ii), the permittee must keep records of the notification of the emergency situation, and the date, start time, and end time of engine operation. **(40 CFR 63.6655(f))**

4. The permittee shall maintain records of preventative maintenance performed, as outlined in Appendix A. **(R 336.1910)**

VII. REPORTING

NA

VIII. STACK/VENT RESTRICTION(S)

NA

IX. OTHER REQUIREMENT(S)

1. The permittee shall comply with all applicable provisions of the National Emission Standards for Hazardous Air Pollutants, as specified in 40 CFR Part 63, Subpart A and Subpart ZZZZ, for Stationary Reciprocating Internal Combustion Engines by the initial compliance date of October 19, 2013. **(40 CFR 63.6595(a)(1), 40 CFR Part 63, Subparts A and ZZZZ)**
2. The permittee shall implement and maintain an approvable Preventative Maintenance Program. Any revisions or amendments to the Preventative Maintenance Plan (PMP) shall be submitted to the AQD District Supervisor within 45 days of the revision for review and approval. If the AQD does not notify the permittee within 90 days of submittal, the PMP or amended PMP shall be considered approved. **(R 336.1910)**

Footnotes:

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

**FGSIRICEMACT
FLEXIBLE GROUP CONDITIONS**

DESCRIPTION

Existing emergency natural gas fired spark ignition (SI) internal combustion engines with applicability to the Area Source Reciprocating Internal Combustion Engine (RICE) NESHAP 40 CFR Part 63, Subpart ZZZZ. This is applicable to existing stationary SI engines located at an area source of HAPS that commenced construction or reconstruction before June 12, 2006.

Emission Unit: EUB34GENERATOR, EUB72GENERATOR, EUB79GENERATOR

POLLUTION CONTROL EQUIPMENT

NA

I. EMISSION LIMIT(S)

NA

II. MATERIAL LIMIT(S)

NA

III. PROCESS/OPERATIONAL RESTRICTION(S)

1. There is no time limit on the use of stationary RICE in emergency situations. **(40 CFR 63.6640(f)(1))**
2. The permittee may operate each SI engine for no more than 100 hours per calendar year for the purpose of necessary maintenance checks and readiness testing, provided that the tests are recommended by Federal, State, or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The permittee may petition the Department for approval of additional hours to be used for maintenance checks and readiness testing. A petition is not required if the owner or operator maintains records indicating that Federal, State, or local standards require maintenance and testing of emergency internal combustion engines beyond 100 hours per calendar year. **(40 CFR 63.6640(f)(2))**
3. Each engine in FGSIRICEMACT may operate up to 50 hours per calendar year in non-emergency situations, but those 50 hours are counted towards the 100 hours per calendar year provided for maintenance and testing as provided in 40 CFR 63.6640(f)(2). The 50 hours per calendar year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for the permittee to supply non-emergency power as part of a financial arrangement with another entity, except as allowed in 40 CFR 63.6640(f)(2). **(40 CFR 63.6640(f))**
4. The permittee shall minimize the time spent at idle during startup and minimize the startup time of the stationary RICE to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the emission standards applicable to all times other than startup apply. **(40 CFR 63.6625(h))**
5. Each engine in FGSIRICEMACT shall be installed, maintained, and operated in a satisfactory manner. A list of recommended work practice standards as specified in 40 CFR 63.6603 and 40 CFR Part 63, Subpart ZZZZ, Table 2d, Item 5. The following are the work practices specified in 40 CFR Part 63, Subpart ZZZZ, Table 2d: **(40 CFR 63.6603, 40 CFR Part 63, Subpart ZZZZ, Table 2d, Item 5)**

- a) Change oil and filter every 500 hours of operation or annually, whichever comes first.
 - b) Inspect the spark plugs every 1,000 hours of operation or annually, whichever comes first, and replace as necessary.
 - c) Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.
6. The permittee may utilize an oil analysis program in order to extend the specified oil change requirement. The oil analysis must be performed at the same frequency as oil changes are required. The oil analysis must be performed at the same frequency specified for changing the oil in Table 2d of 40 CFR Part 63, Subpart ZZZZ. **(40 CFR 63.6625(j))**
7. The permittee shall not operate any engine in FGSIRICEMACT for more than 500 hours per 12 month rolling time period as determined at the end of each calendar month. The 500 hours includes the hours for the purpose of necessary maintenance checks and readiness testing as described in SC III.2. **(R 336.1205(3))**

IV. DESIGN/EQUIPMENT PARAMETER(S)

1. The permittee shall equip and maintain each engine in FGSIRICEMACT with non-resettable hours meters to track the operating hours. **(40 CFR 63.6655(f))**

V. TESTING/SAMPLING

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

1. If using the oil analysis program in order to extend the specified oil change requirement in 40 CFR Part 63, Subpart ZZZZ, Table 2d, the permittee must at a minimum analyze the following three parameters: Total Base Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Acid Number increases by more than 3.0 milligrams of potassium hydroxide (KOH) per gram from Total Acid Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator must change the oil within 2 business days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil within 2 business days or before commencing operation, whichever is later. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine. **(40 CFR 63.6625(j))**

VI. MONITORING/RECORDKEEPING

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

1. For each engine in FGSIRCEMACT, the permittee shall keep in a satisfactory manner, records of the occurrence and duration of each malfunction of operation or the air pollution control monitoring equipment. The permittee shall keep all records on file and make them available to the department upon request. **(40 CFR 63.6655(a)(2), 40 CFR 63.6660)**
2. For each engine in FGSIRICEMACT, the permittee shall keep in a satisfactory manner, records of actions taken during periods of malfunction to minimize emissions, including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation. The permittee shall keep all records on file and make them available to the department upon request. **(40 CFR 63.6655(a)(5), 40 CFR 63.6660)**
3. For each engine in FGSIRICEMACT, the permittee shall monitor and record the total hours of operation per calendar year, recorded through the non-resettable hours meter, in a manner acceptable to the AQD District Supervisor. The permittee shall document how many hours are spent for emergency operation; including what classified the operation as emergency and how many hours are spent for non-emergency operation. If the engine is used for the purposes specified in 40 CFR 63.6640(f)(4)(ii), the permittee must keep records of the notification of the emergency situation, and the date, start time, and end time of engine operation. **(40 CFR 63.6655(f))**

4. The permittee shall maintain records of preventative maintenance performed, as outlined in Appendix A. **(R 336.1910)**

VII. REPORTING

NA

VIII. STACK/VENT RESTRICTION(S)

NA

IX. OTHER REQUIREMENT(S)

1. The permittee shall comply with all applicable provisions of the National Emission Standards for Hazardous Air Pollutants, as specified in 40 CFR Part 63, Subpart A and Subpart ZZZZ, for Stationary Reciprocating Internal Combustion Engines by the initial compliance date of October 19, 2013. **(40 CFR 63.6595(a)(1), 40 CFR Part 63, Subparts A and ZZZZ)**
2. The permittee shall implement and maintain an approvable Preventative Maintenance Program. Any revisions or amendments to the Preventative Maintenance Plan (PMP) shall be submitted to the AQD District Supervisor within 45 days of the revision for review and approval. If the AQD does not notify the permittee within 90 days of submittal, the PMP or amended PMP shall be considered approved. **(R 336.1910)**

Footnotes:

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

**FGCIRICENSPS
 FLEXIBLE GROUP CONDITIONS**

DESCRIPTION

This flex group is for new/reconstructed Compression Ignition (CI) engines at an area source of HAPS that commenced construction or reconstruction on or after June 12, 2006. Engines are subject to MACT ZZZZ, but to demonstrate compliance they must comply with requirements in 40 CFR Part 60, Subpart IIII (Standards of Performance for Stationary Compression Ignition Internal Combustion Engines for New Source Performance Standard (NSPS)).

Emission Units: EUB30GENERATOR (335 HP), EULS1GENERATOR (107 HP), EUB20DFIREPUMP (175 HP), EU30DFIREPUMP (175 HP)

POLLUTION CONTROL EQUIPMENT

NA

I. EMISSION LIMIT(S)

Pollutant	Limit	Time Period / Operating Scenario	Equipment	Monitoring / Testing Method	Underlying Applicable Requirements
1. NMHC + NOx	4.0 g/kW-hr	Hourly	Each CI engine	SC VI.1	40 CFR 60.4205(b) 40 CFR 89.112 40 CFR 60.4205(c)
2. CO	3.5 g/kW-hr	Hourly	EUB30GENERATOR, EULS1GENERATOR	SC VI.1	40 CFR 60.4205(b) 40 CFR 89.112
3. PM	0.20 g/kW-hr	Hourly	Each CI engine	SC VI.1	40 CFR 60.4205(b) 40 CFR 89.112 40 CFR 60.4205(c)

II. MATERIAL LIMIT(S)

1. The permittee shall burn only diesel fuel in each CI engine with the maximum sulfur content of 15 ppm (0.0015 percent) by weight and a minimum Cetane index of 40 or a maximum aromatic content of 35 volume percent. **(40 CFR 60.4207, 40 CFR 80.510(b))**

III. PROCESS/OPERATIONAL RESTRICTION(S)

1. The permittee may operate each CI engine for no more than 100 hours per calendar year for the purpose of necessary maintenance checks and readiness testing, provided that the tests are recommended by Federal, State, or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The permittee may petition the Department for approval of additional hours to be used for maintenance checks and readiness testing. A petition is not required if the owner or operator maintains records indicating that Federal, State, or local standards require maintenance and testing of emergency internal combustion engines beyond 100 hours per calendar year. **(40 CFR 60.4211(f)(2), 40 CFR 63.6640(f)(2))**
2. Each engine in FGCIRICENSPS may operate up to 50 hours per calendar year in non-emergency situations, but those 50 hours are counted towards the 100 hours per calendar year provided for maintenance and testing as provided in 40 CFR 60.4211(f)(2). Except as provided in 40 CFR 60.4211(f)(3)(i), the 50 hours per calendar year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for the permittee to supply non-emergency power as part of a financial arrangement with another entity. **(40 CFR 60.4211(f)(3), 40 CFR 63.6640(f)(3))**

3. If the permittee purchased a certified engine, according to procedures specified in 40 CFR Part 60, Subpart IIII, for the same model year, the permittee shall meet the following requirements for each engine of FGCIRICENSPS:

- a) Operate and maintain the certified engine and control device according to the manufacturer's emission-related written instructions;
- b) Change only those emission related settings that are permitted by the manufacturer; and
- c) Meet the requirements as specified in 40 CFR Part 89, Part 94, and/or Part 1068, as it applies to you.

If you do not operate and maintain the certified engine and control device according to the manufacturer's emission-related written instructions, the engine will be considered a non-certified engine. **(40 CFR 60.4211(a))**

4. If the permittee purchased a non-certified engine or a certified engine operating in a non-certified manner, the permittee shall keep a maintenance plan for each engine of FGCIRICENSPS and shall, to the extent practicable, maintain and operate each engine in a manner consistent with good air pollution control practice for minimizing emissions. **(40 CFR 60.4211(g)(2))**

5. The permittee shall not operate any engine in FGCIRICENSPS for more than 500 hours per 12 month rolling time period as determined at the end of each calendar month. The 500 hours includes the hours for the purpose of necessary maintenance checks and readiness testing as described in SC III.1. **(R 336.1205(3))**

IV. DESIGN/EQUIPMENT PARAMETER(S)

1. The permittee shall equip and maintain each CI engine with non-resettable hours meters to track the operating hours. **(40 CFR 60.4209, 40 CFR 63.6659(f))**

2. The permittee shall install, maintain, and operate each engine of FGCIRICENSPS (that are not fire pump engines) certified to the emission standards in 40 CFR 60.4205(b), as described in SC I.1 – I.3, for the same model year and NFPA nameplate engine power for FGCIRICENSPS. The engines must be installed and configured according to the manufacturer's emission-related specifications. **(40 CFR 60.4202, 40 CFR 60.4205)**

V. TESTING/SAMPLING

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

1. The permittee shall conduct an initial performance test for each CI engine within one year after startup of the engine to demonstrate compliance with the emission limits in 40 CFR 60.4205 unless the engines have been certified by the manufacturer and the permittee maintains the engine as required by 40 CFR Part 60, Subpart IIII. If a performance test is required, the performance tests shall be conducted according to 40 CFR 60.4212. No less than 30 days prior to testing, a complete test plan shall be submitted to the AQD. The final plan must be approved by the AQD 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. Subsequent performance testing shall be conducted every 8,760 hours of engine operation or 3 years, whichever comes first. **(40 CFR 60.4211)**

VI. MONITORING/RECORDKEEPING

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

1. For each engine, the permittee shall keep, in a satisfactory manner, records of testing required in SC V.1 or manufacturer certification documentation indicating that each CI engine meets the applicable requirements contained in the federal Standards of Performance for New Stationary Sources 40 CFR Part 60, Subpart IIII. If any CI engine becomes uncertified then the permittee must also keep records of a maintenance plan and maintenance activities. The permittee shall keep all records on file and make them available to the Department upon request. **(40 CFR 60.4211)**

2. The permittee shall monitor and record the total hours of operation and the hours of operation during non-emergencies for each CI engine, on a calendar year basis, in a manner acceptable to the AQD District Supervisor. The permittee shall document how many hours are spent for emergency operation of each CI engine, including what classified the operation as emergency and how many hours are spent for non-emergency operation. **(40 CFR 60.4211, 40 CFR 60.4214)**
3. The permittee shall keep, in a satisfactory manner, fuel supplier certification records or fuel sample test data, for each delivery of diesel fuel oil used in FGICIRICENSPS, demonstrating that the fuel meets the requirement of 40 CFR 80.510(b). The certification or test data shall include the name of the oil supplier or laboratory, the sulfur content, of the fuel oil. **(40 CFR 80.510(b))**
4. The permittee shall maintain records of preventative maintenance performed, as outlined in Appendix A. **(R 336.1910)**

VII. REPORTING

NA

VIII. STACK/VENT RESTRICTION(S)

NA

IX. OTHER REQUIREMENT(S)

1. The permittee shall comply with the provisions of the federal Standards of Performance for New Stationary Sources as specified in 40 CFR Part 60, Subpart A and Subpart IIII, as they apply to each CI engine. **(40 CFR Part 60, Subparts A & IIII)**
2. The permittee shall comply with the provisions of the National Emission Standards for Hazardous Air Pollutants, as specified in 40 CFR Part 63, Subpart A and Subpart ZZZZ, as they apply to each CI engine. **(40 CFR Part 63, Subparts A and ZZZZ, 40 CFR 63.6595)**
3. The permittee shall implement and maintain an approvable Preventative Maintenance Program. Any revisions or amendments to the Preventative Maintenance Plan (PMP) shall be submitted to the AQD District Supervisor within 45 days of the revision for review and approval. If the AQD does not notify the permittee within 90 days of submittal, the PMP or amended PMP shall be considered approved. **(R 336.1910)**

Footnotes:

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

**FGSIRICENSPS
FLEXIBLE GROUP CONDITIONS**

DESCRIPTION

This flex group is for emergency natural gas fired spark ignition (SI) combustion engines with applicability to 40 CFR Part 60, Subpart JJJJ – New Source Performance Standards for Stationary Reciprocating Internal Combustion Engines (RICE) that commenced construction after June 12, 2006, and were manufactured on or after January 1, 2009.

Emission Units: EUB56GENERATOR (96 HP), EUB65GENERATOR (128 HP), EUB78GENERATOR (128 HP)

POLLUTION CONTROL EQUIPMENT

NA

I. EMISSION LIMIT(S)

Pollutant	Limit	Time Period / Operating Scenario	Equipment	Monitoring / Testing Method	Underlying Applicable Requirements
1. NOx +HC	10 g/hp-hr	Hourly	Each generator in FGSIRICENSPS	SC VI.2	40 CFR 60.6233(d)
2. CO	387 g/hp-hr	Hourly	Each generator in FGSIRICENSPS	SC VI.2	40 CFR 60.4233(d)

II. MATERIAL LIMIT(S)

1. The permittee shall burn only field or pipeline quality natural gas, in each engine in FGSIRICENSPS. **(40 CFR 60.4230)**

III. PROCESS/OPERATIONAL RESTRICTION(S)

1. There is no time limit on the use of emergency stationary RICE in emergency situations. **(40 CFR 60.4243(d)(1))**
2. The permittee may operate each engine in FGSIRICENSPS for no more than 100 hours per calendar year for the purpose of necessary maintenance checks and readiness testing, provided that the tests are recommended by Federal, State, or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The permittee may petition the Department for approval of additional hours to be used for maintenance checks and readiness testing. A petition is not required if the owner or operator maintains records indicating that Federal, State, or local standards require maintenance and testing of emergency internal combustion engines beyond 100 hours per calendar year. **(40 CFR 60.4243(d)(2), 40 CFR 63.6640(f))**
3. Each engine in FGSIRICENSPS may operate up to 50 hours per calendar year in non-emergency situations, but those 50 hours are counted towards the 100 hours per calendar year provided for maintenance and testing as provided in 40 CFR 60.4243(d)(2). The 50 hours per calendar year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for the permittee to supply non-emergency power as part of a financial arrangement with another entity. **(40 CFR 60.4243(d)(3), 40 CFR 63.6640(f))**
4. The permittee shall operate and maintain each engine included for FGSIRICENSPS such that it meets the emission limits in SC I.1, and I.2 over the entire life of the engine. **(40 CFR 60.4234, 40 CFR 60.4243(b))**

5. If the permittee purchased a certified engine, according to procedures specified in 40 CFR Part 60, Subpart JJJJ, for the same model year, the permittee shall meet the following requirements for each engine in FGSIRICENSPS:
 - a) Operate and maintain the certified engine and control device according to the manufacturer's emission-related written instructions;
 - b) Keep a maintenance plan and the permittee may only change those engine settings that are permitted by the manufacturer. If you do not operate and maintain the certified engine and control device according to the manufacturer's emission-related written instructions, the engine will be considered a non-certified engine; and
 - c) Meet the requirements as specified in 40 CFR Part 1068 Subparts A through D.

If the permittee does not operate and maintain the certified engine and control device according to the manufacturer's emission-related written instructions, the engine will be considered a non-certified engine and be subject to SC III.5. **(40 CFR 60.4243(b)(1))**

6. If the permittee purchased a non-certified engine or a certified engine operating in a non-certified manner, the permittee shall keep a maintenance plan for FGSIRICENSPS and shall, to the extent practicable, maintain and operate each engine in a manner consistent with good air pollution control practice for minimizing emissions. **(40 CFR 60.4243(b)(2))**
7. The permittee shall not operate any engine in FGSIRICENSPS for more than 500 hours per 12 month rolling time period as determined at the end of each calendar month. The 500 hours includes the hours for the purpose of necessary maintenance checks and readiness testing as described in SC III.2. **(R 336.1205(3))**

IV. DESIGN/EQUIPMENT PARAMETER(S)

1. Each engine in FGSIRICENSPS shall be certified to meet the applicable emission standard of 40 CFR 60.4233. The permittee shall install and configure each engine according to the manufacturer's specifications. **(40 CFR 60.4243)**
2. The permittee shall equip and maintain each engine in FGSIRICENSPS with non-resettable hours meters to track the operating hours. **(40 CFR 60.4237, 40 CFR 63.6655(f))**
3. The maximum rated power output of EUB56GENERATOR shall not exceed 96 HP as certified by the equipment manufacturer. **(40 CFR 60.4233)**
4. The maximum rated power output of EUB65GENERATOR shall not exceed 128 HP as certified by the equipment manufacturer. **(40 CFR 60.4233)**
5. The maximum rated power output of EUB78GENERATOR shall not exceed 128 HP as certified by the equipment manufacturer. **(40 CFR 60.4233)**

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. For each engine in FGSIRICENSPS the permittee shall keep in a satisfactory manner, records of all maintenance conducted on the applicable engine. The permittee shall keep all records on file and make them available to the department upon request. **(40 CFR 60.4245(a)(2))**

2. The permittee shall keep, in a satisfactory manner, a record of testing required in SC V.1 or manufacturer certification documentation indicating that each engine in FGSIRICENSPS meets the applicable emission limitations contained in the federal Standards of Performance for New Stationary Sources 40 CFR Part 60, Subpart JJJJ. The permittee shall keep all records on file and make them available to the Department upon request. **(40 CFR 60.4245)**
3. The permittee shall monitor and record the hours of operation of each engine in FGSIRICENSPS during emergencies and non-emergencies, on a calendar year basis, in a manner acceptable to the AQD District Supervisor. The permittee shall record the time of operation of each engine in FGSIRICENSPS and the reason it was in operation during that time. **(40 CFR 60.4243)**
4. The permittee shall maintain records of preventative maintenance performed, as outlined in Appendix A. **(R 336.1910)**

VII. REPORTING

NA

VIII. STACK/VENT RESTRICTION(S)

NA

IX. OTHER REQUIREMENT(S)

1. The permittee shall comply with the provisions of the federal Standards of Performance for New Stationary Sources as specified in 40 CFR Part 60, Subpart A and Subpart JJJJ, as they apply to each engine in FGSIRICENSPS. **(40 CFR Part 60, Subparts A & JJJJ)**
2. The permittee shall comply with the provisions of the National Emission Standards for Hazardous Air Pollutants, as specified in 40 CFR Part 63, Subpart A and Subpart ZZZZ, as they apply to each engine in FGSIRICENSPS, by the initial compliance date. **(40 CFR Part 63, Subparts A and ZZZZ, 40 CFR 63.6595)**
3. The permittee shall implement and maintain an approvable Preventative Maintenance Plan. Any revisions or amendments to the Preventative Maintenance Plan (PMP) shall be submitted to the AQD District Supervisor within 45 days of the revision for review and approval. If the AQD does not notify the permittee within 90 days of submittal, the PMP or amended PMP shall be considered approved. **(R 336.1910)**

Footnotes:

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

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

NA

I. EMISSION LIMIT(S)

Pollutant	Limit	Time Period / Operating Scenario	Equipment	Monitoring / Testing Method	Underlying Applicable Requirements
1. HAP (single)	< 9 tpy	12-month rolling time period as determined at the end of each calendar month.	All process equipment at the stationary source including equipment covered by other permits, grandfathered equipment, exempt equipment, and any future equipment.	SC VI.1	R 336.1205(3)
2. HAP (aggregate)	< 22.5 tpy	12-month rolling time period as determined at the end of each calendar month.	All process equipment at the stationary source including equipment covered by other permits, grandfathered equipment, exempt equipment, and any future equipment.	SC VI.1	R 336.1205(3)
3. VOC	78.9 tpy*	12-month rolling time period as determined at the end of each calendar month.	All process equipment at the stationary source including equipment covered by other permits, grandfathered equipment, exempt equipment, and any future equipment.	SC VI.2	R 336.1205(3)

*The enforceable restrictions that are associated with SC I.3 are found in FGFACILITY and in the special conditions for the following emission units and flexible group:

- EUCOSMETICS
- EUKBARAPIDA106PRESS
- EUENERGYDRINKS
- EUNPPCLEAN
- EUPERSONALCARE
- FGDIGITALPRINTING

II. MATERIAL LIMIT(S)

1. The permittee shall not use more than 50 gallons of coatings per month in each paint booth. **(R 336.1205(3))**
2. The permittee shall not use more than 100 gallons of ink per month in each videojet ink coder. **(R 336.1205(3))**
3. The permittee shall not use more than 80,000 pounds of ink, coating, and cleaner combined per year in the narrow web UV press. **(R 336.1205(3))**
4. The permittee shall not use more than 2,500 tons of plastic raw material in the plastic blow-molding area per year. **(R 336.1205(3))**
5. The permittee shall not use more than 8,000 gallons of UV curable ink in the silk screen printing area per year. **(R 336.1205(3))**

III. PROCESS/OPERATIONAL RESTRICTION(S)

NA

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))**

1. The permittee shall keep the following information on a monthly basis:
 - a) Gallons or pounds of each material used that contains HAPs.
 - b) HAP content, in pounds per gallon or weight percent, of each material used.
 - c) Individual and aggregate HAP emission calculations determining the monthly emission rate of each in tons per calendar month.
 - d) Individual and aggregate HAP emission calculations determining the annual emission rate of each in tons per 12-month rolling time period as determined at the end of each calendar month.

The permittee shall keep the records using mass balance, or an alternative 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(3))**

2. The permittee shall keep records of the amount in pounds of coatings used in each paint booth on a monthly basis. The permittee shall keep all records on file at the facility and make them available to the Department upon request. **(R 336.1205(3))**
3. The permittee shall keep records of the amount in pounds of ink used in each videojet ink coder on a monthly basis. The permittee shall keep all records on file at the facility and make them available to the Department upon request. **(R 336.1205(3))**
4. The permittee shall keep records of the amount in pounds of inks, coatings, and cleaners used in the narrow web UV press on a monthly and 12-month rolling time basis. The permittee shall keep all records on file at the facility and make them available to the Department upon request. **(R 336.1205(3))**

5. The permittee shall keep records of the amount in pounds plastic raw material used in the plastic blow-molding area on a monthly and 12-month rolling time basis. The permittee shall keep all records on file at the facility and make them available to the Department upon request. **(R 336.1205(3))**
6. The permittee shall keep records of the amount in gallons of UV curable ink used in the silk screen printing area on a monthly and 12-month rolling time basis. The permittee shall keep all records on file at the facility and make them available to the Department upon request. **(R 336.1205(3))**
7. The permittee shall record the following information on a monthly basis for FGFACILITY:
 - a) VOC emission calculations determining the monthly emission rate in tons per calendar month.
 - b) VOC 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 using mass balance, or an alternative method and format acceptable to the AQD District Supervisor. The permittee shall keep the records on file at the facility, in a format acceptable to the AQD District Supervisor, and make them available to the Department upon request. **(R 336.1205(3))**

VII. REPORTING

NA

VIII. STACK/VENT RESTRICTION(S)

NA

IX. OTHER REQUIREMENT(S)

1. The permittee shall comply with all applicable requirements of 40 CFR Part 59, Subpart C, the National Volatile Organic Compound Emission Standard (NVOCES) for Consumer and Commercial Products for volatile organic compound content, labeling of containers, record keeping and reporting pursuant to 40 CFR Part 59, Subpart C. **(40 CFR Part 59)**
2. The permittee shall comply with all applicable standards for volatile organic compound content, labeling of containers, record keeping and reporting for consumer products sold or used in the state of Michigan, pursuant to R 336.1660(1). **(R 336.1660, R 336.1661)**

Footnotes:

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

APPENDIX A

Preventative Maintenance

1. The facility shall implement and maintain an approvable Preventative Maintenance Plan (PMP). This plan shall contain, at a minimum, the following items:
 - a) A schedule for routine equipment inspections, spare parts inventory, and maintenance schedules. Any revisions or amendments to the Preventative Maintenance Plan shall be submitted to the AQD District Supervisor within 45 days of the revision for review and approval. If the AQD does not notify the permittee within 90 days of submittal, the PMP or amended PMP shall be considered approved.
2. The permittee shall maintain the following records for repairs, pursuant to when the Preventative Maintenance Plan items above were performed:
 - a) Date and time problem noted.
 - b) Date and time repairs made.
 - c) Identification of staff performing repairs.

