



Missouri Department of dnr.mo.gov

NATURAL RESOURCES

Michael L. Parson, Governor

Carol S. Comer, Director

September 25, 2020

Mandy Truelove-Friga
Quality Manager
Tetra Pak Materials, LP
2200 East Malone Avenue
Sikeston, MO 63801

RE: Part 70 Operating Permit Significant Modification - Permit Number OP2017-052A
Project Number: 2020-03-043; Installation Number: 201-0003

Dear Mandy Truelove-Friga:

Your Part 70 Operating Permit OP2017-052 is being modified in response to your March 23, 2020 request. Your request removes the safety lights emergency generator, E-17, and replaces it with a new safety lights emergency generator, E-19. This request also removes Permit Condition 003, 40 CFR Part 63 Subpart ZZZZ, *National Emission Standards for Hazardous Pollutants for Stationary Reciprocating Internal Combustion Engines*. The replacement safety lights emergency generator, EP-19, meets the requirements of 40 CFR Part 63 Subpart ZZZZ by meeting the requirements of 40 CFR Part 60 Subpart JJJJ, *Standards of Performance for Stationary Spark Ignition Internal Combustion Engines* per §63.6590(c)(1). Therefore, the engine is added to Permit Condition 004. Additionally, 10 CSR 10-6.261, *Control of Sulfur Dioxide Emissions* is amended effective March 30, 2019. This rule is applicable to the installation and is incorporated into the current operating permit by adding a new Permit Condition 005. Permit Condition 005 applies to emission units which OP2017-052 identifies as Emission Units Without Specific Limitations. The Emission Units With Limitations and Emission Units Without Specific Limitations lists are modified with this project. Upon review, it was discovered applicability changes to 10 CSR 10-6.220, *Restriction of Emission of Visible Air Contaminants*, is necessary to incorporate into the proposed permit. This regulation will appear in the operating permit as Permit Condition 006. In order to ensure that you are complying with the modified Permit Condition 003, Permit Condition 004, Permit Condition 005, and Permit Condition 006, please replace the current pages 3 and 6 – 11 with the revised pages 3A and 6A – 15A and add pages 27 – 29.

This permit modification may include requirements with which you may not be familiar. If you would like the department to meet with you to discuss how to understand and satisfy the requirements contained in this permit, an appointment referred to as a Compliance Assistance Visit (CAV) can be set up with you. To request a CAV, please contact your local regional office or fill out an online request. The regional office contact information can be found at <http://dnr.mo.gov/regions/>. The online CAV request can be found at <http://dnr.mo.gov/cav/compliance.htm>.



Mandy Truelove-Friga
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You may appeal this permit to the Administrative Hearing Commission (AHC), P.O. Box 1557, Jefferson City, MO 65102, as provided in RSMo 643.078.16 and 621.250.3. If you choose to appeal, you must file a petition with the AHC within thirty days after the date this decision was mailed or the date it was delivered, whichever date was earlier. If any such petition is sent by registered mail or certified mail, it will be deemed filed on the date it is mailed. If it is sent by any method other than registered mail or certified mail, it will be deemed filed on the date it is received by the AHC.

If you have any questions regarding this modification, please do not hesitate to contact Joseph Miller, at the department's Air Pollution Control Program, P.O. Box 176, Jefferson City, MO 65102 or at (573) 751-8427. Thank you for your attention to this matter.

Sincerely,

AIR POLLUTION CONTROL PROGRAM

A handwritten signature in blue ink that reads "Kendall B. Hale". The signature is written in a cursive style.

Kendall B. Hale
Permits Section Chief

KBH:jmj

Enclosures

c: Southeast Regional Office
PAMS File: 2020-03-043

PART 70

PERMIT TO OPERATE

Operating Permit Number: OP2017-052A
Installation Name: Tetra Pak Materials, LP
Installation ID: 201-0003
Project Number: 2020-03-043

Description of Part 70 Significant Modification:

Tetra Pak Materials, LP's Part 70 Operating Permit OP2017-052 is being modified in response to a March 23, 2020 request. This modification removes the old safety lights emergency generator, E-17, and Permit Condition 003, 40 CFR Part 63 Subpart ZZZZ, *National Emission Standards for Hazardous Pollutants for Stationary Reciprocating Internal Combustion Engines*.

The facility installed a new replacement safety lights emergency generator, E-19. The new emergency generator is classified as a new stationary RICE according to §63.6590(a)(2)(iii), which states a stationary RICE located at an area source of HAP emissions is new if the installation commenced construction of the stationary RICE on or after June 12, 2006. An affected source that meets the criteria of being a new stationary RICE located at an area source must meet the requirements of 40 CFR Part 63 Subpart ZZZZ by meeting the requirements of 40 CFR part 60 subpart JJJJ, *Standards of Performance for Stationary Spark Ignition Internal Combustion Engines* per §63.6590(c)(1). Therefore, this emergency engine meets the requirements of 40 CFR Part 63 Subpart ZZZZ by meeting the requirements of 40 CFR Part 60 Subpart JJJJ. This change is incorporated into the current operating permit by removing Permit Condition 003 and adding the new emergency generator to Permit Condition 004.

Additionally, 10 CSR 10-6.261, *Control of Sulfur Dioxide Emissions* is amended effective March 30, 2019. This rule applies to any source that emits sulfur dioxide (SO₂) and is applicable to the installation. The emission units that emit sulfur dioxide (SO₂) are the Standard Fractional Press Oven, Dryer, & Preheaters (EP-01, EP-02, EP-03, EP-04, EP-05, and EP-16), the Flame Sealer Stacks (EP-06, EP-07, EP-08, EP-09, and EP-10), Mini-Fractional Press Preheater Stack (EP-12), Space Heaters (EP-13), Server Room Emergency Generator (EP-18) and Safety Lights Emergency Generator (EP-19). This rule provides an exception for individual units fueled exclusively with natural gas (as defined in 40 CFR 72.2), and this exception is determined by complying with the record keeping requirements in 10 CSR 10-6.261(4). [6.261(1)(A)] All of the emission units subject to this rule are fueled exclusively with natural gas and meet the exception. This rule is incorporated into the current operating permit by adding a new Permit Condition 005.

This modification makes the following changes:

1. The new emergency generator, E-19, is added to Permit Condition 004;
2. Permit Condition 003 is removed from the permit;
3. A new Permit Condition 005 and Permit Condition 006 are added to the permit to incorporate the applicable requirements of 10 CSR 10-6.261 and 10 CSR 10-6.220, respectively; and
4. The lists for Emission Units With Limitations and Emission Units Without Specific Limitations are revised.

I. Installation Equipment Listing

EMISSION UNITS WITH LIMITATIONS

The following list provides a description of the equipment at this installation that emits air pollutants and that are identified as having unit-specific emission limitations.

Emission Unit	Description
E-01	Standard Fractional Press (A) Oven, Dryer, & Preheater, Natural Gas, 0.72 mmbtu/hr
E-02	Standard Fractional Press (B) Oven, Dryer, & Preheater, Natural Gas, 0.72 mmbtu/hr
E-03	Standard Fractional Press (C) Oven, Dryer, & Preheater, Natural Gas, 0.72 mmbtu/hr
E-04	Standard Fractional Press (D) Oven, Dryer, & Preheater, Natural Gas, 0.72 mmbtu/hr
E-05	Standard Fractional Press (E) Oven, Dryer, & Preheater, Natural Gas, 0.62 mmbtu/hr
E-06	Flame Sealer (A) Stack, Natural Gas, 0.4 mmbtu/hr
E-07	Flame Sealer (B) Stack, Natural Gas, 0.4 mmbtu/hr
E-08	Flame Sealer (C) Stack, Natural Gas, 0.4 mmbtu/hr
E-09	Flame Sealer (D) Stack, Natural Gas, 0.4 mmbtu/hr
E-10	Flame Sealer (E) Stack, Natural Gas, 0.4 mmbtu/hr
E-12	Mini-Fractional Press (E) Preheater Stack, Natural Gas, 0.1 mmbtu/hr
E-13	Space Heaters, Natural Gas, 1.1 mmbtu/hr
E-16	Standard Fractional Press (F) Oven, Dryer, & Preheater, Natural Gas
E-18	Server Room Emergency Generator, Natural Gas, 32 HP, 2010
E-19	Safety Lights Emergency Generator, Natural Gas, 18 HP, 2019

EMISSION UNITS WITHOUT SPECIFIC LIMITATIONS

The following list provides a description of the equipment that does not have unit specific limitations at the time of permit issuance.

Emission Unit	Description
E-11	Scrap Blower/Shredder
E-14	Processing Photo Polymer Printing Plates
T-01	6,000 gallon Acetate Storage Tank
T-02	3,000 gallon Alcohol Storage Tank
INS-01	Solvent Metal Cleaning - Parts Washer
INS-02	Skive Unit

containing materials used with E-16 Standard Fractional Press (F) Oven, Dryer, & Preheater. [Special Condition 1.C]

- 2) The permittee shall keep all records in either written or electronic form, and the records must be retained for a minimum of five years.
- 3) The permittee shall make all records available immediately for inspection to the Department of Natural Resources' personnel upon request.

Reporting:

- 1) The permittee shall report to the Air Pollution Control Program's Compliance/Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than ten days after the end of the month during which records indicate an exceedance of the VOC emission limitation. [Special Condition 1.D]
- 2) The permittee shall report any deviations from the emission limitation, monitoring/recordkeeping, and reporting requirements of this permit condition in the semi-annual monitoring reports and annual compliance certifications required by Section V of this permit.

PERMIT CONDITION 003

10 CSR 10-6.070 New Source Performance Regulations

40 CFR Part 63 Subpart ZZZZ – National Emission Standards for Hazardous Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE)

Operating Permit amendment OP2017-052A removes Permit Condition 003 from this operating permit. This page is included as a placeholder.

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PERMIT CONDITION 004A	
10 CSR 10-6.070 New Source Performance Regulations 40 CFR 60 Subpart JJJJ – Standards of Performance for Stationary Spark Ignition Internal Combustion Engines	
Emission Unit	Description
E-18	Server Room Emergency Generator, Natural Gas, 32 HP, 2010
E-19	Safety Lights Emergency Generator, Natural Gas, 18 HP, 2019

Emission Limitations:

- 1) For E-18 (Server Room Emergency Generator), the permittee shall comply with the emission standard of 10 g/HP-hr of NO_x and 387 g/HP-hr of CO. [Table 1 to Subpart JJJJ of 40 CFR Part 60] [§60.4233(d)]
- 2) For E-19 (Safety Lights Emergency Generator), the permittee shall comply with the emission standard of 8.0 g/kW-hr HC + NO_x and 610 g/kW-hr CO. [Table 1 to §1054.105] [§1054.105(a)]

Operational Limitations:

- 1) The permittee must operate and maintain EP-18 (Server Room Emergency Generator) and EP-19 (Safety Lights Emergency Generator) to achieve the emission standards as required in §60.4233 over the entire life of the engine. [§60.4234]
- 2) The permittee must install a non-resettable hour meter upon startup of emergency engine EP-18 (Server Room Emergency Generator) and EP-19 (Safety Lights Emergency Generator). [§60.4237(c)]
- 3) For EP-18 (Server Room Emergency Generator) and EP-19 (Safety Lights Emergency Generator), the permittee must comply by purchasing an engine certified to the emission standards in §60.4231(a). In addition, the permittee must meet one of the requirements specified in §60.4243(a)(1) and (2). [§60.4243(a)]
 - a) If the permittee operates and maintains the certified stationary SI internal combustion engine and control device according to the manufacturer's emission-related written instructions, the permittee must keep records of conducted maintenance to demonstrate compliance, but no performance testing is required. The permittee must also meet the requirements as specified in 40 CFR part 1068, subparts A through D. If the permittee adjusts engine settings according to and consistent with the manufacturer's instructions, the stationary SI internal combustion engine will not be considered out of compliance. [§60.4243(a)(1)]
 - b) If the permittee does not operate and maintain the certified stationary SI internal combustion engine and control device according to the manufacturer's emission-related written instructions, the engine will be considered a non-certified engine, and the permittee must demonstrate compliance according to §60.4243(a)(2)(i).
 - i) The permittee must keep a maintenance plan and records of conducted maintenance to demonstrate compliance and must, to the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions, but no performance testing is required. [§60.4243(a)(2)(i)]
- 4) The permittee must operate EP-18 (Server Room Emergency Generator) and EP-19 (Safety Lights Emergency Generator) according to the requirements in §60.4243(d)(1) through (3). In order for both engines to be considered an emergency stationary ICEs under 40 CFR Part 60 Subpart JJJJ, any operation other than emergency operation, maintenance and testing, and operation in non-emergency situations for 50 hours each per year, as described in §60.4243(d)(1) through (3), is prohibited. If the permittee does not operate the engines according to the requirements in §60.4243(d)(1) through (3), the engines will not be considered emergency engines under 40 CFR Part 60 Subpart JJJJ and must meet all requirements for non-emergency engines. [§60.4243(d)]
 - a) There is no time limit on the use of emergency stationary ICEs in emergency situations. [§60.4243(d)(1)]

- b) The permittee may operate EP-18 (Server Room Emergency Generator) and EP-19 (Safety Lights Emergency Generator) for the purposes specified in §60.4243(d)(2)(i) for a maximum of 100 hours each per calendar year. Any operation for non-emergency situations as allowed by §60.4243(d)(3) counts as part of the 100 hours per calendar year allowed by §60.4243(d)(2). [§60.4243(d)(2)]
- i) Emergency stationary ICE may be operated for 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 Director for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the permittee maintains records indicating that federal, state, or local standards require maintenance and testing of emergency ICE beyond 100 hours per calendar year.
[§60.4243(d)(2)(i)]
- c) EP-18 (Server Room Emergency Generator) and EP-19 (Safety Lights Emergency Generator) may each be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing provided in §60.4243(d)(2). Except as provided in §60.4243(d)(3)(i), the 50 hours per year for non-emergency situations cannot be used for peak shaving, or to generate income for a facility to an electric grid or otherwise supply power as part of a financial arrangement with another entity.
[§60.4243(d)(3)]
- i) The 50 hours per year for non-emergency situations can be used to supply power as part of a financial arrangement with another entity if all of the following conditions are met:
[§60.4243(d)(3)(i)]
- (1) The engine is dispatched by the local balancing authority or local transmission and distribution system operator; [§60.4243(d)(3)(i)(A)]
- (2) The dispatch is intended to mitigate local transmission and/or distribution limitations so as to avert potential voltage collapse or line overloads that could lead to the interruption of power supply in a local area or region. [§60.4243(d)(3)(i)(B)]
- (3) The dispatch follows reliability, emergency operation or similar protocols that follow specific NERC, regional, state, public utility commission or local standards or guidelines.
[§60.4243(d)(3)(i)(C)]
- (4) The power is provided only to the facility itself or to support the local transmission and distribution system. [§60.4243(d)(3)(i)(D)]
- (5) The permittee identifies and records the entity that dispatches the engine and the specific NERC, regional, state, public utility commission or local standards or guidelines that are being followed for dispatching the engine. The local balancing authority or local transmission and distribution system operator may keep these records on behalf of the permittee. [§60.4243(d)(3)(i)(E)]
- 5) The permittee may operate the engines using propane for a maximum of 100 hours each per year as an alternative fuel solely during emergency operations, but must keep records of such use. If propane is used for more than 100 hours per year in an engine that is not certified to the emission standards when using propane, the permittee is required to conduct a performance test to demonstrate compliance with the emission standards of §60.4233. [§60.4243(e)]
- 6) It is expected that air-to-fuel ratio controllers will be used with the operation of three-way catalysts/non-selective catalytic reduction. The AFR controller must be maintained and operated appropriately in order to ensure proper operation of the engine and control device to minimize emissions at all times. [§60.4243(g)]

General Provisions:

Table 3 to 40 CFR Part 60 Subpart JJJJ shows which parts of the General Provisions in §§60.1 through 60.19 apply. [§60.4246]

Recordkeeping:

- 1) The permittee must keep records of the information in §60.4245(a)(1) through (4). [§60.4245(a)]
 - a) All notifications submitted to comply with 40 CFR Part 60 Subpart JJJJ and all documentation supporting any notification. [§60.4245(a)(1)]
 - b) Maintenance conducted on the engine. [§60.4245(a)(2)]
 - c) If the stationary SI internal combustion engine is a certified engine, documentation from the manufacturer that the engine is certified to meet the emission standards and information as required in 40 CFR parts 90, 1048, 1054, and 1060, as applicable. [§60.4245(a)(3)]
 - d) If the stationary SI internal combustion engine is not a certified engine or is a certified engine operating in a non-certified manner and subject to §60.4243(a)(2), documentation that the engine meets the emission standards. [§60.4245(a)(4)]
- 2) For EP-18 (Server Room Emergency Generator) and EP-19 (Safety Lights Emergency Generator), the permittee must keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. The permittee must 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. [§60.4245(b)]
- 3) The permittee shall keep all records in either written or electronic form, and the records must be retained for a minimum of five years.
- 4) The permittee shall make all records available immediately for inspection to the Department of Natural Resources' personnel upon request.

Reporting:

- 1) The permittee shall report any exceedance of the limitations no later than ten (10) days after an exceedance of the emission limitation.
- 2) The permittee shall report any deviations from the requirements of this permit condition in the semi-annual monitoring report and annual compliance certification required by Section V of this permit.
- 3) All reports and certifications shall be submitted to the Air Pollution Control Program's Compliance and Enforcement Section, P.O. Box 176, Jefferson City, MO 65102 and to AirComplianceReporting@dnr.mo.gov.

PERMIT CONDITION 005	
10 CSR 10-6.261 Control of Sulfur Dioxide Emissions ¹	
Emission Unit	Description
E-01	Standard Fractional Press (A) Oven, Dryer, & Preheater, Natural Gas, 0.72 MMBtu/hr
E-02	Standard Fractional Press (B) Oven, Dryer, & Preheater, Natural Gas, 0.72 MMBtu/hr
E-03	Standard Fractional Press (C) Oven, Dryer, & Preheater, Natural Gas, 0.72 MMBtu/hr
E-04	Standard Fractional Press (D) Oven, Dryer, & Preheater, Natural Gas, 0.72 MMBtu/hr
E-05	Standard Fractional Press (E) Oven, Dryer, & Preheater, Natural Gas, 0.62 MMBtu/hr
E-06	Flame Sealer (A) Stack, Natural Gas, 0.4 MMBtu/hr
E-07	Flame Sealer (B) Stack, Natural Gas, 0.4 MMBtu/hr
E-08	Flame Sealer (C) Stack, Natural Gas, 0.4 MMBtu/hr
E-09	Flame Sealer (D) Stack, Natural Gas, 0.4 MMBtu/hr
E-10	Flame Sealer (E) Stack, Natural Gas, 0.4 MMBtu/hr
E-12	Mini-Fractional Press (E) Preheater Stack, Natural Gas, 0.1 MMBtu/hr
E-13	Space Heaters, Natural Gas, 1.1 MMBtu/hr
E-16	Standard Fractional Press (F) Oven, Dryer, & Preheater, Natural Gas
E-18	Server Room Emergency Generator, Natural Gas, 32 HP, 2010
E-19	Safety Lights Emergency Generator, Natural Gas, 18 HP, 2019

Operational Limitation:

The permittee shall combust natural gas that meets the definition of 40 CFR 72.2. No other fuels shall be combusted in these units. [6.261(1)(A)]

Monitoring/Recordkeeping:

- 1) The permittee shall determine compliance using fuel delivery records. [6.261(3)(E)3.]
- 2) The permittee must maintain a record of fuel deliveries. [6.261(4)(A)3.]
- 3) The permittee must maintain the fuel supplier information to certify all fuel deliveries. Bills of lading and/or other fuel delivery documentation containing the following information for all fuel purchases or deliveries are deemed acceptable to comply with the requirements of this rule: [6.261(4)(C)]
 - a) The name, address, and contact information of the fuel supplier; [6.261(4)(C)(1)]
 - b) The type of fuel; [6.261(4)(C)(2)]
 - c) The sulfur content or maximum sulfur content expressed in percent sulfur by weight or in ppm sulfur; and [6.261(4)(C)(4)]
 - d) The heating value of the fuel. [6.261(4)(C)(5)]
- 4) The permittee must furnish the Director all data necessary to determine compliance status. [6.261(4)(G)]
- 5) The permittee shall maintain all records required by this permit for not less than five years and shall make them available immediately to any Missouri Department of Natural Resources' personnel upon request.

Reporting:

- 1) The permittee shall report any exceedance of the limitations no later than 10 days after the end of the month during which any record required by this permit shows an exceedance of a limitation imposed by this permit.
- 2) The permittee shall report any deviations from the monitoring, recordkeeping, and reporting requirements of this permit condition in the semi-annual monitoring and annual compliance certification reports required by Section V of this permit.

¹ This permit condition contains the applicable requirements from 10 CSR 10-6.261 as reflected in Missouri's Code of State Regulations (CSR). This permit condition is a state requirement until this regulation is incorporated into the SIP. Once the SIP is updated, this permit condition will be both a state and federal requirement. A permit modification is not required for this change.

- 3) All reports and certifications shall be submitted to the Air Pollution Control Program's Compliance and Enforcement Section, P.O. Box 176, Jefferson City, MO 65102 and to AirComplianceReporting@dnr.mo.gov.

PERMIT CONDITION 006	
<i>10 CSR 10-6.220 Restriction of Emission of Visible Air Contaminants²</i>	
Emission Unit	Description
E-01	Standard Fractional Press (A) Oven, Dryer, & Preheater, Natural Gas, 0.72 MMBtu/hr
E-02	Standard Fractional Press (B) Oven, Dryer, & Preheater, Natural Gas, 0.72 MMBtu/hr
E-03	Standard Fractional Press (C) Oven, Dryer, & Preheater, Natural Gas, 0.72 MMBtu/hr
E-04	Standard Fractional Press (D) Oven, Dryer, & Preheater, Natural Gas, 0.72 MMBtu/hr
E-05	Standard Fractional Press (E) Oven, Dryer, & Preheater, Natural Gas, 0.62 MMBtu/hr
E-06	Flame Sealer (A) Stack, Natural Gas, 0.4 MMBtu/hr
E-07	Flame Sealer (B) Stack, Natural Gas, 0.4 MMBtu/hr
E-08	Flame Sealer (C) Stack, Natural Gas, 0.4 MMBtu/hr
E-09	Flame Sealer (D) Stack, Natural Gas, 0.4 MMBtu/hr
E-10	Flame Sealer (E) Stack, Natural Gas, 0.4 MMBtu/hr
E-12	Mini-Fractional Press (E) Preheater Stack, Natural Gas, 0.1 MMBtu/hr
E-13	Space Heaters, Natural Gas, 1.1 MMBtu/hr
E-16	Standard Fractional Press (F) Oven, Dryer, & Preheater, Natural Gas

Emission Limitation:

- 1) The permittee shall not cause or permit to be discharged into the atmosphere from these emission units any visible emissions with an opacity greater than 20 percent for any continuous six-minute period. [10 CSR 10-6.220(3)(A)1]
- 2) Exception: The permittee may discharge into the atmosphere from any emission unit visible emissions with an opacity up to 60 percent for one continuous six-minute period in any 60 minutes. [10 CSR 10-6.220(3)(A)2]
- 3) Failure to demonstrate compliance with 10 CSR 10-6.220(3)(A) solely because of the presence of uncombined water shall not be a violation. [10 CSR 10-6.220(3)(B)]

Monitoring:

- 1) Monitoring schedule:
 - a) The permittee shall conduct weekly observations for a minimum of eight consecutive weeks after permit issuance. Should no violation of this regulation be observed during this period then:
 - i) The permittee shall conduct observations once every two weeks for a period of eight weeks. If a violation is noted, the permittee shall revert to weekly monitoring. Should no violation of this regulation be observed during this period then:
 - (1) The permittee shall conduct observations once per month. If a violation is noted, the permittee shall revert to weekly monitoring.
- 2) If the permittee reverts to weekly monitoring at any time, the monitoring schedule shall progress in an identical manner from the initial monitoring schedule.
- 3) Observations are only required when the emission units are operating and when the weather conditions allow.
- 4) The permittee shall conduct visible emissions observation on these emission units using the procedures contained in U.S. EPA Test Method 22. Each Method 22 observation shall be conducted for a minimum of

² Permit Condition 006 contains only federal requirements from 10 CSR 10-6.220 as reflected in Missouri’s State Implementation Plan (SIP) for natural gas combustion units. These units are exempt from this regulation in the Missouri Code of State Regulations (CSR) due to revisions in the CSR that have not been incorporated into the SIP. Once the revised version of this regulation is incorporated into the SIP, Permit Condition 006 shall no longer apply. An operating permit modification is not required for this change.

six-minutes. If no visible emissions are observed from the emission unit using Method 22, then no Method 9 is required for the emission unit.

- 5) For emission units with visible emissions, the permittee shall have a certified Method 9 observer conduct a U.S. EPA Test Method 9 opacity observation. The permittee may choose to forego Method 22 observations and instead begin with a Method 9 opacity observation. The certified Method 9 observer shall conduct each Method 9 opacity observation for a minimum of 30-minutes.

Recordkeeping:

- 1) The permittee shall maintain records of all observation results for each emission unit using Attachment D and Attachment E, or equivalents, to demonstrate compliance.
- 2) The permittee shall maintain all records required by this permit for not less than five (5) years and shall make them available immediately to any Missouri Department of Natural Resources' personnel upon request.

Reporting:

- 1) The permittee shall report any exceedance of the limitations no later than ten (10) days after an exceedance of the emission limitation.
- 2) The permittee shall report any deviations from the monitoring, recordkeeping, and reporting requirements of this permit condition in the semi-annual and annual compliance certification reports required by Section V of this permit.
- 3) All reports and certifications shall be submitted to the Air Pollution Control Program's Compliance and Enforcement Section, P.O. Box 176, Jefferson City, MO 65102 and to AirComplianceReporting@dnr.mo.gov.

Attachment E

Method 9 Opacity Observations		
Installation Name:	Sketch of the observer's position relative to the emission unit	
Emission Point:		
Emission Unit:		
Observer Name and Affiliation:		
Observer Certification Date:		
Method 9 Observation Date:		
Height of Emission Point:		
Time:	Start of observations	End of observations
Distance of Observer from Emission Point:		
Observer Direction from Emission Point:		
Approximate Wind Direction:		
Estimated Wind Speed:		
Ambient Temperature:		
Description of Sky Conditions (Presence and color of clouds):		
Plume Color:		
Approximate Distance Plume is Visible from Emission Point:		

Attachment E (continued) Method 9 Opacity Observations

Minute	Seconds				1-minute Avg. % Opacity ³	6-minute Avg. % Opacity ⁴	Steam Plume (check if applicable)		Comments
	0	15	30	45			Attached	Detached	
	Opacity Readings (% Opacity) ⁵								
0						N/A			
1						N/A			
2						N/A			
3						N/A			
4						N/A			
5									
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The emission unit is in compliance if each six-minute average opacity is less than or equal to 20 %. Exception: The emission unit is in compliance if one six-minute average opacity is greater than 20 %, but less than 60 %.

Was the emission unit in compliance at the time of evaluation (yes or no)?

 Signature of Observer

³ 1-minute avg. % opacity is the average of the four 15 second opacity readings during the minute.

⁴ 6-minute avg. % opacity is the average of the six most recent 1-minute avg. % opacities.

⁵ Each 15 second opacity reading shall be recorded to the nearest 5% opacity as stated within Method 9.

STATEMENT OF BASIS

INSTALLATION DESCRIPTION

Tetra Pak provides a range of processing and packaging technologies for use with a broad array of products, from ice cream and cheese to fruit, vegetables and pet food. They supply a complete system for processing, packaging and distribution of these products. The installation is a major source of Volatile Organic Compounds (VOCs). The majority of VOC emissions come from inks and solvents associated with the installation’s natural gas fired fractional presses.

In the spring of 2020, a permit modification removed the old safety lights emergency generator (E-17) and replaced it with a new safety lights emergency generator (EP-19). Permit Condition 003 for 40 CFR Part 63 Subpart ZZZZ was removed due to the replacement of the old safety lights emergency generator (EP-17), and the new safety lights emergency generator (EP-19) was added to Permit Condition 004A for 40 CFR Part 60 Subpart JJJJ.

Updated Potential to Emit for the Installation and Reported Air Pollutant Emissions, tons per year

Table 1 – Emissions Summary, tons per year

Pollutant	Potential to Emit (ton/yr) ^{1,2}	2015	2014	2013	2012	2011
CO	2.31	0.3847	0.35	0.25	0.26	0.25
NH ₃	0.01	0	0	0	0	0
NO _x	3.10	0.46	0.41	0.29	0.31	0.30
PM ₁₀	0.59	0.03	0.03	0.02	0.02	0.02
PM ₂₅	0.06	0.03	0.03	0.02	0.02	0.02
SO _x	0.02	0	0	0	0	0
VOC	354.20	25.49	22.65	31.34	31.67	23.65
HAPs	10/25	0.02	0.02	0.02	0.02	0.03

¹Potential emissions are based upon 8,760 hours of uncontrolled annual operation unless otherwise noted:

- Potential emissions were pulled from OP2012-002, the emergency generator emissions (based on 500 hours of annual operation) were added to the totals from OP2012-002.
- Potential emissions from E-01, E-02, E-03, E-04, E-05, and E-16 Standard Fractional Presses are based upon the following worst-case inks/solvents/additives:
 - Aquapak Defoamer with 0.05 weight percent Ethylbenzene and 0.05 weight percent Xylene.
 - Aquapak HAPS Free Silver with 0.11 weight percent Combined HAPs, 0.09 weight percent Manganese Compounds, 0.01 weight percent Glycol Ethers, and 0.01 weight percent Methanol.
 - Aquapak Plus AAOT Yellow with 0.01 weight percent Styrene.
 - Ethyl Acetate with 100 weight percent VOC.
- Potential emissions from E-14 Processing Photo Polymer Printing Plate are based upon the worst case cleaning solvent containing 85 weight percent VOC.

²The installation is limited by Permit Condition PW001 to:

- Less than 10 tons of any individual HAPs from the entire installation during any consecutive 12 month period.
- Less than 25 tons of HAPs in aggregate from the entire installation during any consecutive 12 month period.

Permit Reference Documents

These documents were relied upon in the preparation of the operating permit. Because they are not incorporated by reference, they are not an official part of the operating permit.

- 1) Part 70 Operating Permit Application, received July 21, 2016;
- 2) 2015 Emissions Inventory Questionnaire, received March 30, 2016; and

- 3) U.S. EPA document AP-42, *Compilation of Air Pollutant Emission Factors*; Volume I, Stationary Point and Area Sources, Fifth Edition
- 4) U.S. EPA's Factor Information Retrieval (FIRE) Date System version 6.25
- 5) Construction Permit 0792-037, Issued July 27, 1992
- 6) Construction Permit 1192-020, Issued November 30, 1992
- 7) No Construction Permit Required Determination, Issued January 16, 1998
- 8) No Construction Permit Required Determination, Issued April 26, 2000
- 9) Construction Permit 012005-013, Issued January 28, 2005

Applicable Requirements Included in the Operating Permit but Not in the Application or Previous Operating Permits

In the operating permit application, the installation indicated they were not subject to the following regulation(s). However, in the review of the application, the agency has determined that the installation is subject to the following regulation(s) for the reasons stated.

40 CFR Part 60, Subpart JJJJ – *Standards of Performance for Stationary Spark Ignition Internal Combustion Engines* is applicable to the installation and has been applied within this permit (see Permit Condition 004A). There are two new emergency engines on site, one emergency engine with 32 HP (EP-18) and another emergency engine with 18 HP (EP-19). Both emergency generators are classified as new stationary RICES according to §63.6590(a)(2)(iii), which states a stationary RICE located at an area source of HAP emissions is new if the installation commenced construction of the stationary RICE on or after June 12, 2006. An affected source that meets the criteria of being a new stationary RICE located at an area source must meet the requirements of 40 CFR Part 63 Subpart ZZZZ by meeting the requirements of 40 CFR part 60 subpart JJJJ per §63.6590(c)(1). Therefore, both emergency engines (EP-18 and EP-19) meet the requirements of 40 CFR Part 63 Subpart ZZZZ by meeting the requirements of 40 CFR Part 60 Subpart JJJJ.

40 CFR Part 63, Subpart ZZZZ – *National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines* is applicable to the installation but does not appear in this permit. There are two new emergency engines on site, one emergency engine with 32 HP (EP-18) and another emergency engine with 18 HP (EP-19). Both emergency generators are classified as new stationary RICES according to §63.6590(a)(2)(iii), which states a stationary RICE located at an area source of HAP emissions is new if the installation commenced construction of the stationary RICE on or after June 12, 2006. An affected source that meets the criteria of being a new stationary RICE located at an area source must meet the requirements of 40 CFR Part 63 Subpart ZZZZ by meeting the requirements of 40 CFR part 60 subpart JJJJ, *Standards of Performance for Stationary Spark Ignition Internal Combustion Engines* per §63.6590(c)(1). Therefore, both emergency engines (EP-18 and EP-19) meet the requirements of 40 CFR Part 63 Subpart ZZZZ by meeting the requirements of 40 CFR Part 60 Subpart JJJJ.

10 CSR 10-6.220 *Restriction of Emission of Visible Air Contaminants* is applicable to the installation, and has been applied within this permit. This rule applies to all sources of visible emissions throughout the state of Missouri. There are two versions of this regulation that are in effect: the Missouri's State Implementation Plan (SIP) version and the Code of State Regulations (CSR) version. The differences are due to revisions to the CSR that have not been incorporated into the SIP. As it applies to this installation, the CSR version of 6.220 has an exemption for emission units fueled exclusively by natural gas while the SIP version does not include this exemption. This permit contains a permit condition to

reflect the SIP version of this regulation. Permit Condition 006 contains the natural gas fired units, which are subject to the SIP version only. When the CSR version is incorporated into the SIP, Permit Condition 006 will no longer apply. The emission units at the installation that are potential sources of visible emissions are included in Table 2 below. The natural gas-fired emission units in Table 2 are exempt from the CSR version of 6.220 per (1)(L).

Table 2 – Applicability Determination for Missouri’s SIP and CSR for 10 CSR 10-6.220

Emission Unit	Description	CSR	SIP
E-01	Standard Fractional Press (A) Oven, Dryer, & Preheater, Natural Gas		X
E-02	Standard Fractional Press (B) Oven, Dryer, & Preheater, Natural Gas		X
E-03	Standard Fractional Press (C) Oven, Dryer, & Preheater, Natural Gas		X
E-04	Standard Fractional Press (D) Oven, Dryer, & Preheater, Natural Gas		X
E-05	Standard Fractional Press (E) Oven, Dryer, & Preheater, Natural Gas		X
E-06	Flame Sealer (A) Stack, Natural Gas, 0.4 mmbtu/hr		X
E-07	Flame Sealer (B) Stack, Natural Gas, 0.4 mmbtu/hr		X
E-08	Flame Sealer (C) Stack, Natural Gas, 0.4 mmbtu/hr		X
E-09	Flame Sealer (D) Stack, Natural Gas, 0.4 mmbtu/hr		X
E-10	Flame Sealer (E) Stack, Natural Gas, 0.4 mmbtu/hr		X
E-12	Mini-Fractional Press (E) Preheater Stack, Natural Gas, 0.1 mmbtu/hr		X
E-13	Space Heaters, Natural Gas, 1.1 mmbtu/hr		X
E-16	Standard Fractional Press (F) Oven, Dryer, & Preheater, Natural Gas		X
E-18	Server Room Emergency Generator, Natural Gas, 32 HP, 2010 ¹		
E-19	Safety Lights Emergency Generator, Natural Gas, 18 HP, 2019 ¹		

“X” indicates the emission unit is subject to the provisions of the specified version of 6.220.

¹ These emission units are exempt from the provisions of this regulation per 6.220(1)(A).

10 CSR 10-6.261 Control of Sulfur Dioxide Emissions

This rule applies to any source that emits sulfur dioxide (SO₂). Table 3 shows the emission units subject to this rule. An exception applies to all emission units at the installation subject to this regulation per 6.261(1)(A) since all units are fueled exclusively by natural gas. This exception requires reporting and record keeping according to the requirements in 10 CSR 10-6.261(4). These requirements appear as Permit Condition 005 in the operating permit.

Table 3 – Emission Units Subject to 10 CSR 10-6.261

Emission Unit	Description	Fuel	MHDR
E-01	Standard Fractional Press (A) Oven, Dryer, & Preheater	Natural Gas	0.72 MMBtu/hr
E-02	Standard Fractional Press (B) Oven, Dryer, & Preheater	Natural Gas	0.72 MMBtu/hr
E-03	Standard Fractional Press (C) Oven, Dryer, & Preheater	Natural Gas	0.72 MMBtu/hr
E-04	Standard Fractional Press (D) Oven, Dryer, & Preheater	Natural Gas	0.72 MMBtu/hr
E-05	Standard Fractional Press (E) Oven, Dryer, & Preheater	Natural Gas	0.62 MMBtu/hr
E-06	Flame Sealer (A) Stack	Natural Gas	0.4 MMBtu/hr
E-07	Flame Sealer (B) Stack	Natural Gas	0.4 MMBtu/hr
E-08	Flame Sealer (C) Stack	Natural Gas	0.4 MMBtu/hr
E-09	Flame Sealer (D) Stack	Natural Gas	0.4 MMBtu/hr
E-10	Flame Sealer (E) Stack	Natural Gas	0.4 MMBtu/hr
E-12	Mini-Fractional Press (E) Preheater Stack	Natural Gas	0.1 MMBtu/hr
E-13	Space Heaters	Natural Gas	1.1 MMBtu/hr

Emission Unit	Description	Fuel	MHDR
E-16	Standard Fractional Press (F) Oven, Dryer, & Preheater	Natural Gas	0.7 MMBtu/hr
E-18	Server Room Emergency Generator	Natural Gas	-
E-19	Safety Lights Emergency Generator	Natural Gas	-

Other Air Regulations Determined Not to Apply to the Operating Permit

The Air Pollution Control Program (APCP) has determined the following requirements to not be applicable to this installation at this time for the reasons stated.

10 CSR 10-6.100 *Alternate Emission Limits* is not applicable to the installation and has not been applied within this permit. This regulation applies to installations that emit volatile organic compounds in ozone nonattainment areas. [10 CSR 10-6.100(1)(A)] The installation is located in an ozone attainment area.

10 CSR 10-6.260 *Restriction of Emission of Sulfur Compounds* is not applicable to the installation and has not been applied within this permit. The following emission sources are the only sources of SO_x emissions at the installation and are exempt from both of these regulations per 10 CSR 10-6.260(1)(A)2 as they combust exclusively pipeline grade natural gas:

Table 4 – Applicability Determination for 10 CSR 10-6.260

Emission Unit	Description	Fuel	Exemption
E-01	Standard Fractional Press (A) Oven, Dryer, & Preheater	Natural Gas	6.260(1)(A)2
E-02	Standard Fractional Press (B) Oven, Dryer, & Preheater	Natural Gas	6.260(1)(A)2
E-03	Standard Fractional Press (C) Oven, Dryer, & Preheater	Natural Gas	6.260(1)(A)2
E-04	Standard Fractional Press (D) Oven, Dryer, & Preheater	Natural Gas	6.260(1)(A)2
E-05	Standard Fractional Press (E) Oven, Dryer, & Preheater	Natural Gas	6.260(1)(A)2
E-06	Flame Sealer (A) Stack	Natural Gas	6.260(1)(A)2
E-07	Flame Sealer (B) Stack	Natural Gas	6.260(1)(A)2
E-08	Flame Sealer (C) Stack	Natural Gas	6.260(1)(A)2
E-09	Flame Sealer (D) Stack	Natural Gas	6.260(1)(A)2
E-10	Flame Sealer (E) Stack	Natural Gas	6.260(1)(A)2
E-12	Mini-Fractional Press (E) Preheater Stack	Natural Gas	6.260(1)(A)2
E-13	Space Heaters	Natural Gas	6.260(1)(A)2
E-16	Standard Fractional Press (F) Oven, Dryer, & Preheater	Natural Gas	6.260(1)(A)2
E-18	Server Room Emergency Generator	Natural Gas	6.260(1)(A)2
E-19	Safety Lights Emergency Generator	Natural Gas	6.260(1)(A)2

10 CSR 10-6.400 *Restriction of Emission of Particulate Matter from Industrial Processes* is not applicable to the installation and has not been applied within this permit. The installation does contain particulate emission sources; however, every emission unit has potential particulate emissions below 0.5 lb/hr and are exempt per 10 CSR 10-6.400(1)(B)12 Plant wide potential particulate emissions were calculated to be 0.13 lb/hr.

10 CSR 10-6.405 *Restriction of Particulate Matter Emissions From Fuel Burning Equipment Used For Indirect Heating* is not applicable to the installation and has not been applied within this permit. An installation is exempt from this rule if all of the installation’s indirect heating sources exclusively combust natural gas. [10 CSR 10-6.405(1)(E)] The only indirect heating source at the installation is E-13 Space Heaters.

Construction Permit History

Construction Permit 0792-037, Issued July 27, 1992:

- This de minimis construction permit is for the installation of four natural gas fired burners for drying ink.
- This construction permit contains no special conditions.

Construction Permit 1192-020, Issued November 30, 1992:

- This de minimis construction permit is for the installation of E-05 Standard Fractional Press (E) Oven, Dryer, & Preheater, E-10 Flame Sealer (E) Stack, and E-12 Mini-Fraction Press (E) Preheater Stack.
- Special Condition 1 has been applied within this permit (see Permit Condition 001).
- Special Condition 2 has not been applied within this permit. This condition required all emission control equipment associated with the equipment to be maintained and operated in serviceable condition as prescribed by the manufacturer; however, the emission units do not employ control equipment and never have.

No Construction Permit Required Determination, Issued May 15, 1996

- This no construction permit required determination is for the installation of new press and flame sealer.

No Construction Permit Required Determination, Issued January 16, 1998:

- This no construction permit required determination is for the installation of a 250 gallon semi-automatic wastewater treatment system which includes a “water washer” batch system and high efficiency sludge dryer.

No Construction Permit Required Determination, Issued April 26, 2000:

- This no construction permit required determination is for the installation of EP-14 Processing Photo Polymer Printing Plates. The determination is based upon a maximum annual processing usage of 20,000 ft², annual usage above 20,000 ft² would require re-evaluation of construction permitting applicability.

Construction Permit 012005-013, Issued January 28, 2005:

- This de minimis construction permit is for the installation of E-16 Standard Fractional Press (F) Oven, Dryer, & Preheater.
- Special Conditions 1.A, 1.C, and 1.D have been applied within this permit (see Permit Condition 002).
- Special Conditions 1.B, 1.C, 1.D, and 2 have been applied within this permit (see Permit Condition PW001).

New Source Performance Standards (NSPS) Applicability

40 CFR 60 Subpart Dc - *Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units* is not applicable to the installation and has not been applied in this permit. All emission units subject to this rule are natural gas fired and are smaller than 10 mmbtu/hr. [§60.40c(a)]

40 CFR Part 60, Subparts K, Ka, and Kb – *Standards of Performance for Storage Vessels* are not

applicable to the installation and have not been applied within this permit. Subparts K and Ka are only applicable to storage vessels greater than 40,000 gallons in capacity. [§60.110(a) and §60.110a(a)] Subpart Kb is only applicable to storage vessels greater than 75 m³ in capacity. [§60.110b(a)] None of the storage tanks at the installation have a capacity greater less than 75 m³ (19,182 gallons). T-01 is a 6,000 gallon acetate storage tank and T-02 is a 3,000 gallon alcohol storage tank.

40 CFR Part 60, Subpart QQ - *Standards of Performance for the Graphic Arts Industry: Publication Rotogravure Printing* is not applicable to the installation and has not been applied within this permit. Subpart QQ is for publication rotogravure printing. This facility prints milk cartons, and does not do printing for publications, i.e. magazines, phone books, direct mailings, etc.

40 CFR Part 60, Subpart IIII - *Standards of Performance for Stationary Compression Ignition Internal Combustion Engines* is not applicable to the installation and has not been applied within this permit. This regulation is applicable to owners and operators of stationary CI ICE constructed after July 11, 2005. [§60.4200(a)(2)] All engines at the facility are Spark Ignition Internal Combustion Engines.

Maximum Achievable Control Technology (MACT) Applicability

40 CFR Part 63, Subpart T – *National Emission Standards for Halogenated Solvent Cleaning* is not applicable to the installation and has not been applied within this permit. This regulation is applicable to each individual batch vapor, in-line vapor, in-line cold, and batch cold solvent cleaning machines using a solvent containing methylene chloride (75-09-2), perchloroethylene (127-18-4), trichloroethylene (79-01-6), 1,1,1-trichloroethane (71-55-6), carbon tetrachloride (56-23-5), or chloroform (67-66-3). [§63.460(a)] INS-01 Solvent Metal Cleaning – Parts Washer does not use any solvent containing the listed chemicals.

40 CFR Part 63, Subpart KK – *National Emission Standards for the Printing and Publishing Industry* is not applicable to the installation. This rule shouldn't have been applied in the previous permit as this facility already has a federally enforceable limit for HAPs based on Construction Permit 012005-013, Issued January 28, 2005. Section 63.820(a)(7) states “Nothing in this paragraph is intended to preclude a facility from establishing area source status by limiting its potential to emit through other appropriate mechanisms that may be available through the permitting authority” because the facility already has a federally enforceable construction permit that determined the facility is an area source, this rule is not applicable and has not been applied in this permit.

40 CFR Part 63, Subpart JJJJ – *National Emission Standards for Hazardous Air Pollutants: Paper and Other Web Coating* is not applicable to the installation and has not been applied within this permit. This regulation is applicable to web coating lines at major sources of HAP. [§63.3280] The installation is a minor source of HAP.

40 CFR Part 63, Subpart HHHHHH – *National Emission Standards for Hazardous Air Pollutants: Paint Stripping and Miscellaneous Surface Coating Operations at Area Sources* is not applicable to the installation and has not been applied within this permit. This regulation applies to area sources conducting paint stripping operations using chemical strippers containing methylene chloride (75-09-2); autobody refinishing operations; or coatings containing compounds of chromium, lead, manganese, nickel, or cadmium which are spray applied to metal and/or plastic parts/products. [§63.11169] The permittee does not use any chemical containing methylene chloride. The permittee does not perform autobody refinishing. The permittee does have coatings (inks) containing manganese compounds;

however, the permittee does not use spray application, nor does the permittee coat metal and/or plastic parts/products.

National Emission Standards for Hazardous Air Pollutants (NESHAP) Applicability

None.

Compliance Assurance Monitoring (CAM) Applicability

40 CFR Part 64, *Compliance Assurance Monitoring (CAM)*

The CAM rule applies to each pollutant specific emission unit that:

- Is subject to an emission limitation or standard, and
- Uses a control device to achieve compliance, and
- Has pre-control emissions that exceed or are equivalent to the major source threshold.

40 CFR Part 64 is not applicable because none of the pollutant-specific emission units uses a control device to achieve compliance with a relevant standard.

Greenhouse Gas Emissions

This source may be subject to the Greenhouse Gas Reporting Rule. However, the preamble of the GHG Reporting Rule clarifies that Part 98 requirements do not have to be incorporated in Part 70 permits operating permits at this time. In addition, Missouri regulations do not require the installation to report CO₂ emissions in their Missouri Emissions Inventory Questionnaire; therefore, the installation's CO₂ emissions were not included within this permit. If required to report, the applicant is required to report the data directly to EPA. The public may obtain CO₂ emissions data by visiting <http://epa.gov/ghgreporting/ghgdata/reportingdatasets.html>.

Other Regulatory Determinations

Emission Unit	Description
E-01-E-05 & E-16	Clean Up Solvents

Emission Units E-01 through E-05 and E-16 have cleaning solvents associated with them. This process does not have any emission unit specific limitation associated with them, but the emissions for the clean up solvents are tracked separately in MoEIS.

10 CSR 10-6.170 *Restriction of Particulate Matter to the Ambient Air Beyond the Premises of Origin* is applicable to the installation. The installation's potential emissions of particulate matter were calculated to be 0.59 ton/yr (0.13 lb/hr). As the installation's potential emissions of particulate matter are quite low, the installation is assumed to always be in compliance with this regulation while being properly maintained and operated; therefore, no further monitoring, recordkeeping, or reporting is required at this time.

Other Regulations Not Cited in the Operating Permit or the Above Statement of Basis

Any regulation which is not specifically listed in either the Operating Permit or in the above Statement of Basis does not appear, based on this review, to be an applicable requirement for this installation for one or more of the following reasons:

1. The specific pollutant regulated by that rule is not emitted by the installation;
2. The installation is not in the source category regulated by that rule;
3. The installation is not in the county or specific area that is regulated under the authority of that rule;

4. The installation does not contain the type of emission unit which is regulated by that rule;
5. The rule is only for administrative purposes.

Should a later determination conclude that the installation is subject to one or more of the regulations cited in this Statement of Basis or other regulations which were not cited, the installation shall determine and demonstrate, to the APCP's satisfaction, the installation's compliance with that regulation(s). If the installation is not in compliance with a regulation which was not previously cited, the installation shall submit to the APCP a schedule for achieving compliance for that regulation(s)

Response to Public Comments

The draft Part 70 Operating Permit Amendment for Tetra Pak Materials, LP was placed on public notice July 17, 2020 for a 30-day comment period. The public notice was published on the Department of Natural Resources' Air Pollution Control Program's web page at: <https://dnr.mo.gov/env/apcp/permit-public-notices.htm>. Public comments were received from Mr. Robert Cheever, EPA Region 7. The comments are addressed in the order in which they appear within the letter(s).

Comment #1:

Reporting requirement 3 in Permit Condition 004A and Permit Condition 005 allows for all reports and certifications to be submitted to the Air Pollution Control Program's Compliance and Enforcement Section, P.O. Box 176, Jefferson City, Missouri 65102 **or** (emphasis added) AirComplianceReporting@dnr.mo.gov. However, AirComplianceReporting@dnr.mo.gov does not appear to be an EPA-approved repository for official reports and certifications.

40 CFR Part 3 details the requirements for the use of electronic reporting to both EPA-authorized states and to EPA in lieu of paper documents provided: 1) the permittee transmits electronic documents to EPA's Central Data Exchange (CDX) or to another designated EPA electronic receiving system and the electronic document bears all valid electronic signatures; and 2) an authorized state program that receives or plans to receive electronic documents obtains EPA approval before the program receives electronic documents to satisfy reporting requirements. In 83 FR 13744-13745, dated March 30, 2018, EPA approved the use of Missouri Gateway for Environmental Management (MoGEM) for the receipt of air pollution control reports and certifications associated with 40 CFR Part 63 and 40 CFR Part 70. The current publicly available version of MoGEM has no air pollution control portal for the receipt of official electronic documents; therefore, AirComplianceReporting@dnr.mo.gov is not an EPA-approved system for the receipt of official reports and certifications. Therefore, all official reports and certifications, required by Tetra Pak-Sikeston Part 70 Permit to Operate need to be submitted to the Air Pollution Control Program's Compliance and Enforcement Section, P.O. Box 176, Jefferson City, Missouri 65102.

Alternately, it would appear to be permissible for reports and certifications to be submitted to AirComplianceReporting@dnr.mo.gov provided the official reports and certifications are submitted in hard copy with wet ink signatures. Therefore, EPA is not likely to object if the reporting requirement 3 in Permit Condition 004A and Permit Condition 005 were worded to indicate that "all reports and certifications shall be submitted to the Air Pollution Control Program's Compliance and Enforcement Section, P.O. Box 176, Jefferson City, MO 65102 **and to** (emphasis added) AirComplianceReporting@dnr.mo.gov." EPA strongly recommends MoDNR consider either removing the AirComplianceReporting@dnr.mo.gov or change "or" to "and to" in Permit Condition 004A and Permit Condition 005.

It should be noted that the Compliance and Emissions Data Reporting Interface (CEDRI) in CDX has been recently updated to allow for the submission of reports required by §70.4(b)(12)(i) *Notification of 502 (b)(10) Changes*; §70.5 *Title V Permit Applications*; §70.6(a)(3)(iii)(A) *Semi-Annual Monitoring Reports*; §70.6(a)(3)(iii)(B) *Deviation Reports*; and §70.6(c)(5)(iii) *Annual Compliance Certification Reports*. Therefore, using this system may also be an option for receiving these reports electronically.

Response to Comment #1:

The reporting requirements for Permit Condition 004A and Permit Condition 005 have been revised to “all reports and certifications shall be submitted to the Air Pollution Control Program’s Compliance and Enforcement Section, P.O. Box 176, Jefferson City, MO 65102 and to AirComplianceReporting@dnr.mo.gov.”

Comment #2:

The description presented on the cover page provides a thorough explanation of the changes and the basis for this significant modification. However, the draft permit on public notice does not include a modified Statement of Basis included with Permit to Operate OP2017- 052A, including an explanation of the significant modification. EPA strongly recommends MoDNR to consider modifying the Statement of Basis, in Part 70 Permit to Operate OP2017-052A, which updates the permit record reflecting the changes associated with this significant modification.

Response to Comment #2:

The Statement of Basis has been revised to include the applicability discussion for 40 CFR Part 63 Subpart ZZZZ, *National Emission Standards for Hazardous Pollutants for Stationary Reciprocating Internal Combustion Engines*, 40 CFR part 60 subpart JJJJ, *Standards of Performance for Stationary Spark Ignition Internal Combustion Engines*, and 10 CSR 10-6.261, *Control of Sulfur Dioxide Emissions*. The revised Statement of Basis is included in operating permit OP2018-006A.

Additionally, upon review it was discovered applicability changes to 10 CSR 10-6.220, *Restriction of Emission of Visible Air Contaminants*, is necessary to incorporate into the proposed permit. This change is detailed below:

10 CSR 10-6.220-Restriction of Emission of Visible Air Contaminants

This regulation applies to all sources of visible emissions throughout the state of Missouri. There are two versions of this regulation that are in effect: the Missouri’s State Implementation Plan (SIP) version and the Code of State Regulations (CSR) version. The differences are due to revisions to the CSR that have not been incorporated into the SIP. As it applies to this installation, the CSR version of 6.220 has an exemption for emission units fueled exclusively by natural gas while the SIP version does not include this exemption. Permit Condition 006 has been added to reflect the SIP version of this regulation. This permit condition contains the natural gas fired units, which are subject to the SIP version only. When the CSR version is incorporated into the SIP, Permit Condition 006 will no longer apply, and a permit modification will not be required.