



NATURAL RESOURCES

Eric R. Greitens, Governor

Carol S. Comer, Director

OCT 30 2017

Mr. Jason McCauley
Complex Environmental Manager
Tyson Poultry, Inc - Sedalia
P.O. Box 1058
Sedalia, MO 65302

RE: New Source Review Permit Amendment - Permit Number: 122016-011A
Project Number: 2017-09-018; Installation Number: 159-0037

Dear Mr. McCauley:

Tyson Poultry, Inc. – Sedalia (Tyson) plans on replacing the burner on the Hot Air Dryer (EP-53). The current dryer is 14.33 MMBtu/hr and the replacement burner will be 15 MMBtu/hr. While this project's potential to emit is below the insignificant level of found in 10 CSR 10-6.061, *Construction Permit Exemptions (3)(A)3.A*, this project is being aggregated with Construction Permit #122016-002 (Project 2016-11-052) because they were submitted within 2 years of each other. Tyson also has another project in house (Project 2017-07-061). However this was considered a separate project because the project 2017-07-061 is for a different business within the same complex (the processing plant) while construction permit #122016-011 and project 2017-09-018 is for River Valley Animal Foods which is the rendering plant. The businesses have different products, animal food vs chicken.

The emission factors used in this analysis were obtained from the EPA document AP-42, *Compilation of Air Pollutant Emission Factors*, Fifth Edition, Section 1.4 *Natural Gas Combustion* (July 1998). All emissions were considered uncontrolled.

The addition of this burner to Construction Permit #122016-011 does not change the type of permit or any conditions. The PTE for the combined projects is below de minimis levels.

Table 1: Emissions Summary (tpy)

| Pollutant | Regulatory <i>De Minimis</i> Levels | Construction Permit #122016-011 Potential Emissions | Project 2017- 09-018 Potential Emissions | Total Potential Emissions |
|-------------------|--|---|---|------------------------------|
| PM | 25.0 | 0.49 | 0.12 | 0.62 |
| PM ₁₀ | 15.0 | 1.97 | 0.49 | 2.46 |
| PM _{2.5} | 10.0 | 1.97 | 0.49 | 2.46 |
| SOx | 40.0 | 0.16 | 0.04 | 0.19 |
| NOx | 40.0 | 25.94 | 6.44 | 32.38 |
| VOC | 40.0 | 1.43 | 0.35 | 1.78 |
| CO | 100.0 | 21.79 | 5.41 | 27.20 |
| HAPs | 10.0/25.0 | 0.49 | 0.12 | 0.61 |

¹ Tyson is limited to less than 1,400 million ft³ of natural gas usage in the intermediate operating permit number OP2017-051.



Mr. Jason McCauley
Page Two

If you were adversely affected by this permit decision, you may be entitled to pursue an appeal before the administrative hearing commission pursuant to Sections 621.250 and 643.075.6 RSMo. To appeal, you must file a petition with the administrative hearing commission 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 administrative hearing commission, whose contact information is: Administrative Hearing Commission, United States Post Office Building, 131 West High Street, Third Floor, P.O. Box 1557, Jefferson City, Missouri 65102, phone: 573-751-2422, fax: 573-751-5018, website: www.ao.mo.gov/ahc.

If you have any questions regarding this amendment, please do not hesitate to contact Sam Anzalone, at the department's Air Pollution Control Program, P.O. Box 176, Jefferson City, MO 65102 or at (573) 751-4817. Thank you for your attention to this matter.

Sincerely,

AIR POLLUTION CONTROL PROGRAM



Kendall B. Hale
Permits Section Chief

KBH:saj

Enclosures

c: Kansas City Regional Office
PAMS File: 2017-09-018