



Eric R. Greitens, Governor • Carol S. Comer, Acting Director

DEPARTMENT OF NATURAL RESOURCES

dnr.mo.gov

JAN 31 2017

Mr. Nathaniel Murphy
Vice President
Maryville Tire Solutions, LLC
1035 Pearl Street Ste 420
Boulder, CO 80302

RE: New Source Review Temporary Permit Request - Project Number: 2016-12-053

Installation ID Number: 147-0043

Expiration Date: February 28, 2017

Temporary Permit Number:

01 2017 - 014

Dear Mr. Murphy:

The Missouri Department of Natural Resources' Air Pollution Control Program has completed a review of your request to operate tire pyrolysis equipment at Maryville Carbon Solutions, LLC located in Maryville, Missouri. The Air Pollution Control Program is hereby granting your request to conduct this temporary operation at this location in accordance with Missouri State Rule 10 CSR 10-6.060(3).

Maryville Carbon Solutions, LLC submitted a construction permit application under public project 2016-11-054 and confidential project 2016-11-055. Issuance of those permits will take longer than the installation desires. Therefore, a temporary permit application was submitted. The installation proposes to startup the new pyrolysis unit, flare, and synoil tanks in January. 124 hours of operation are requested. The purpose of startup will be to perform operational testing and to host a career fair. Tire shredding is not requested under the temporary permit. Produced carbon could be sent through existing emission units covered under permits 042009-010 and 042009-010A.

This permit expires on February 28, 2017. There is no limit on the hours of operation during this time. Excess syngas not combusted in the pyrolysis chamber indirect-fired heater shall be combusted in the flare.

This permit does not absolve any requirement to obtain a construction permit in order to operate the emission units after January 31, 2017. Construction of the new equipment commenced prior to permit issuance. This temporary permit does not absolve any compliance or enforcement action stemming from constructing prior to permit issuance.



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You are still obligated to meet all applicable air pollution control rules, Department of Natural Resources' rules, or any other applicable federal, state, or local agency regulations. Specifically, you should avoid violating,

- 10 CSR 10-6.045 *Open Burning Requirements*
- 10 CSR 10-6.165 *Restriction of Emission of Odors*
- 10 CSR 10-6.170 *Restriction of Particulate Matter to the Ambient Air Beyond the Premises of Origin*
- 10 CSR 10-6.220 *Restriction of Emission of Visible Air Contaminants*
- 10 CSR 10-6.260 *Restriction of Emission of Sulfur Compounds* (rescinded from state regulations but remains federally enforceable). The rule applies to the syngas-fired flare. Compliance is demonstrated with the 500 ppmv SO₂ limit using syngas sulfur content of 1% weight. The rule applies to the syngas-fired pyrolysis heater. Compliance is demonstrated with the 8 lb SO₂ / MMBtu input limit using syngas sulfur content of 1% weight.
- 10 CSR 10-6.261 *Control of Sulfur Dioxide Emissions*. The rule applies to the syngas-fired flare, however there is no emission standard. The rule applies to the syngas-fired pyrolysis heater. Compliance is demonstrated with the 8 lb SO₂ / MMBtu input limit using syngas sulfur content of 1% weight.

A copy of this permit should be kept onsite and be made available to Department of Natural Resources' personnel upon request. If you have any questions regarding this determination, please do not hesitate to contact David Little at the department's Air Pollution Control Program, P.O. Box 176, Jefferson City, MO 65102 or by telephone at (573) 751-4817. Thank you for your time and attention to this matter.

Sincerely,

AIR POLLUTION CONTROL PROGRAM


Kyra L. Moore
Director

KLM:dlj

c: PAMS File: 2016-12-053
Kansas City Regional Office
Mr. Russell Sullivan, Compliance/Enforcement Environmental Supervisor