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**west virginia department of environmental protection**

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## **Evaluation Memorandum**

**Application Number:** PD15-054  
**Facility ID Number:** 103-00103  
**Name of Applicant:** Stone Energy Corporation  
**Name of Facility:** Martin Wellpad  
**Application Type:** Permit Determination  
**Submission Date:** July 30, 2015  
**Complete Date:** August 28, 2015  
**Engineer:** David Keatley

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On July 30, 2015, the DAQ received information from Stone Energy Corporation proposing to install and operate: one (1) 1.0 mmBtu/hr GPU heater, two (2) 400-bbl produced liquid tanks, and one (1) 104.7-bhp natural gas fired generator engine. This evaluation will examine the potential permit applicability under 45CSR13.

### ***Investigation***

It has been determined that a permit will not be required under 45CSR13 for this facility. This determination is based on the application provided. This facility will install and operate one (1) 1.0 mmBtu/hr GPU and two (2) 400-bbl produced liquid tanks.

Raw natural gas from one (1) natural gas well will be heated by one (1) 1.0-mmBtu/hr GPU heater to help promote phase separation. The natural gas will exit the facility via pipeline. The produced liquids from the GPU will go to two (2) 400-bbl produced liquid tanks. The produced liquid will be trucked off site. A 104.7-bhp 5.7L Power Solutions certified generator engine will provide power to the facility's electric pumps.

Emissions for the GPU heater were estimated with AP-42 emission factors. Emissions from the produced liquid tanks was estimated with a representative direct flash gas measurement for the flash emissions; and TANKS 4.09d using gasoline RVP 7 for the working and breathing losses using a

throughput of 200 bbl/day. Emissions for the generator engine were estimated with manufacturer data for NOx, CO, and VOC; other emissions were estimated with AP-42 emissions factors.

Thresholds for criteria pollutants, HAPs, and TAPs were not exceeded. The engine is certified and has not substantive requirements.

***Recommendation***

Based on the information provided the recommendation of the writer is that a new permit is not required from Stone Energy Corporation for Martin Wellpad.



David Keatley  
Permit Writer - NSR Permitting

August 28, 2015

Date