Northcentral Region: Air Quality Program, 208 West Third Street, Williamsport, PA 17701.

Contact: Muhammad Q. Zaman, Program Manager, (570) 327-3648.

17-00068B: PA Waste, LLC (175 Bustleton Pike, Feasterville, PA 19053) for the construction and operation of a municipal solid waste landfill (Source P101) at the proposed Camp Hope Run Landfill site in Boggs Township, **Clearfield County**. The air contaminant emissions from the proposed landfill will be captured by a landfill gas collection system and controlled by a 3,000 cubic foot per minute enclosed flare (Control Device C101). Additional sources at the facility include the haul roads (Source P102) and a leachate treatment system (Source P103). This is a Title V facility for which an operating permit application will be required at a later date.

The Department's review of the information contained in the application submitted by PA Waste, LLC, indicates that the sources will comply with all applicable air quality regulatory requirements pertaining to air contamination sources and the emission of air contaminants, including the fugitive air contaminant emission requirement of 25 Pa. Code § 123.1, the particulate matter emission limitation of 25 Pa. Code § 123.13, the sulfur oxide emission limitation of 25 Pa. Code § 123.21 and the visible emission limitation of 25 Pa. Code § 123.41. Additionally, the Department has determined that the proposed facility satisfies best available technology requirements pursuant to 25 Pa. Code §§ 127.1 and 127.12 (BAT) as well as the requirements of the Standards of Performance for Municipal Solid Waste Landfills specified in 40 CFR Part 60 Subpart XXX. If the Department determines that the sources are constructed and operated in compliance with the plan approval conditions and the specification of the application for Plan Approval 17-00068B, the requirements established in the plan ap-proval will be incorporated into a new Title V Operating Permit. The Title V operating permit application will be required at a later date.

Based upon this finding, the Department proposes to issue a plan approval for the construction and operation of the proposed landfill. In addition to the emission limitations, the following is a brief description of the conditions the Department intends to place in the plan approval in order to ensure compliance with all applicable air quality regulatory requirements.

1. Pursuant to the BAT, the permittee shall not permit the following air contaminant emissions from the exhaust of Control Device ID C101 associated with Source P101 in excess of the following limitations:

a. nitrogen oxides (NO_x, expressed as NO_2)—0.06 pound per million Btu of heat input.

b. carbon monoxide (CO)—0.20 pound per million Btu of heat input.

c. sulfur oxides (SO_x, expressed as SO_2)—3.63 pounds per hour.

d. particulate matter ($PM/PM_{10}/PM_{2.5}$)—1.53 pound per hour.

e. non-methane organic compounds (NMOC)—0.47 pound per hour.

2. Pursuant to the BAT and 40 CFR Part 60 Subpart XXX Sections 60.760—60.769, Control Device C101 associated with Source P101 shall reduce the non-methane organic compound emissions by 98% or greater or reduce the outlet non-methane organic compound concentration to not equal or exceed 20 parts per million, by volume, dry basis (ppmdv) at 3% oxygen.

3. Pursuant to the BAT, there shall be no visible emissions from Control Device C101 associated with Source P101, except for periods during startup and shut down not to exceed 10% opacity for a period or periods aggregating more than three minutes in any 1 hour.

4. Pursuant to the BAT, Control Device C101 shall be equipped with a propane enrichment system to allow propane fuel to be bled into the landfill gas.

5. Pursuant to the BAT, the combustion chamber temperature of Control Device C101 shall not be less than 1,600°F, at any time.

6. Pursuant to the BAT and 40 CFR Part 60 Subpart XXX Sections 60.760—60.769, Control Device C101 associated with Source P101 shall maintain, for each 3-hour period of operation based on rolling hourly data, an average combustion temperature of no more than 28°C (82°F) below the average combustion temperature.

7. Pursuant to the BAT, the residence time of the air contaminants in the combustion chamber of Control Device C101 shall not be less than 1.13 second.

8. Pursuant to BAT and 40 CFR Part 60 Subpart XXX Sections 60.760—60.769, Control Device C101 shall be equipped with instrumentation to continuously monitor and record the combustion temperature and having a minimum accuracy of +/- one (1.0) percent of the temperature being monitored.

9. Pursuant to the BAT and 40 CFR Part 60 Subpart XXX Sections 60.760—60.769, Control Device C101 shall be equipped with instrumentation to continuously monitor the gas flow to the flare and record the flow once every 15 minutes.

10. Pursuant to the BAT and 40 CFR Part 60 Subpart XXX Sections 60.760—60.769, Control Device C101 shall be equipped with a bypass line valve in the closed position with a car-seal or a lock-and-key type configuration. A visible inspection of the seal or closure mechanism shall be performed at least once per month to ensure the valve is maintained in the closed position and that the gas flow is not diverted through the bypass line.

11. Pursuant to the BAT, the piping incorporated in the landfill gas collection system incorporated in Source P101 shall be sized to accommodate the maximum gas generation rate to be associated with the respective field(s). The

gas collection rate shall at no time be less than the gas generation rate of the respective field.

12. Pursuant to the BAT, the horizontal collection lines in the landfill gas collection system incorporated in Source P101 shall be located no more than 150 feet apart laterally and 50 feet apart vertically. The vertical well spacing in the landfill gas collection system incorporated in Source P101 shall not exceed a lateral spacings of 215 feet unless otherwise demonstrated as acceptable pursuant to the methods outlined in Appendix E of 40 CFR Part 60 Subpart WWW.

13. Pursuant to the BAT and 40 CFR Part 60 Subpart XXX Sections 60.760—60.769, Control Device C101 shall be equipped with an automatic pilot ignition system that utilizes propane as a separate fuel source which ensures complete and immediate combustion of the landfill gas.

14. Pursuant to the BAT, Control Device C101 shall be equipped with an ultraviolet scanner with controller to confirm that a flame is present anytime that landfill gas is present.

15. Pursuant to the BAT and 40 CFR Part 60 Subpart XXX Sections 60.760—60.769, the landfill gas collection system shall be operated so that the methane concentration is less than 500 parts per million above background at the surface of the landfill.

16. Pursuant to the BAT and 40 CFR Part 60 Subpart XXX Sections 60.760—60.769, each well associated with the gas collection system incorporated in Source P101 shall be installed no later than 60 days after the date on which the initial solid waste has been in place.

17. Pursuant to the BAT, gas collection and destruction (enclosed flare, C101) in a field incorporated in Source P101 shall commence no later than two (2) years after refuse has first been deposited within that field. At that time all wells within the field shall be tied into the gas collection system associated with Source P101. No gas well shall be vented directly to the atmosphere from a field at any time after gas collection is required to commence.

18. Pursuant to 25 Pa. Code § 123.31, The permittee shall not permit the emission into the outdoor atmosphere of any malodorous air contaminants from any source in a manner that the malodors are detectable outside the property of the person on whose land the source is being operated.

19. Pursuant to the BAT, Control Device C101 shall be equipped with an automatic shut-off mechanism designed to immediately stop the flow of gases when a flame-out occurs. During restart or start-up, there should be sufficient flow of auxiliary fuel to the burners such that unburned landfill gases are not emitted to the atmosphere.

20. Pursuant to the BAT, Control Device C101 shall be designed such that there are no visible flames beyond the flare shroud during normal operation.

21. The permittee shall keep records of the following information for a minimum of five (5) years:

a. The total emissions and supporting calculations of nitrogen oxides, carbon monoxides, sulfur oxides, particulate matter and non-methane organic compounds from Control Device C101 on a monthly basis to verify compliance with the respective annual emission limits.

b. The combustion temperature of Control Device C101 on a continuous basis.

22. The permittee shall perform nitrogen oxide, carbon monoxide and non-methane organic compound stack tests upon Control Device C101 associated with Source P101 within 120 days from the initial operation to verify compliance with the emission limits for nitrogen oxide, carbon monoxide and non-methane hydrocarbon emissions from Control Device C101 associated with Source P101.

a. The performance test shall consist of three (3) separate test runs and each run shall last at least one (1) hour in duration.

b. All testing is to be done using reference method test procedures acceptable to the Department and all testing is to be performed while Control Device C101 is operating at maximum normal operating conditions.

23. The permittee shall submit a plan approval application for the installation of another enclosed flare (control device) to control the higher landfill gas flow rates once the actual LFG flow rate equals 2,750 cfm.

24. Pursuant to the BAT, all leachate generated at the facility shall be treated in Source P103.

25. Pursuant to the BAT, the ammonia emissions from the Source P103 shall not exceed 0.30 ton in any 12 consecutive month period.

26. Pursuant to BAT, an operable water truck equipped with a pressurized spray mechanism shall be kept on-site and filled with water at all times (except when refilling the truck) and shall be used for the prevention and control of fugitive air contaminant emissions from site haul roads and construction/operation activities associated with the landfill. The permittee shall water each site haul road and construction/operation area at the facility when the facility is in operation at least every two hours during months of June through September and at least twice per day during rest of the calendar year. The permittee is not required to water each site haul road and construction/operation area at the facility if the ground is frozen or freezing rain has fallen during the day. If at any time the fugitive dust emissions exceed the limitations of 25 Pa. Code § 123.1, the permittee shall take such control measures as are necessary to reduce the air contaminant emissions to within the acceptable limits.

27. The permittee shall implement any effective winterization measure necessary to render the water truck capable of use under all weather conditions.

28. Pursuant to the BAT, all loaded trucks entering or exiting the facility via public roadways shall have the truck beds completely tarped or otherwise covered. The permittee shall post easily visible signs explaining the previously listed requirement on the facility access road and elsewhere within the facility, as appropriate.

29. Pursuant to the BAT, the permittee shall post speed limit signs indicating the speed limit on paved roads to be 15 MPH and unpaved roads to be 10 MPH for the prevention and control of fugitive air contaminant emissions from site haul roads.

30. Pursuant to the BAT, the permittee shall maintain a permanent truck wash station, which all vehicles must pass through prior to exiting the facility property. Tires and undercarriage of each vehicle shall be washed as needed to prevent carry out of mud and dirt from the facility onto public roadways.

Source P101 is subject to the requirements of 40 CFR Part 60 Subpart XXX Sections 60.760—60.769. The per-

mittee shall comply with all applicable requirements of 40 CFR Sections 60.760—60.769.

A copy of the plan approval application and the Department's review is available for public review between 8 a.m. and 4 p.m. at the Department's Northcentral Regional Office, 208 West Third Street, Suite 101, Williamsport, PA 17701. Appointments for scheduling a review may be made by calling the Department at 570-327-0550. An electronic copy of the proposed plan approval can be accessed at the Department's web site at www.dep.pa.gov and then by following these menu selections: DEP > About DEP > Regional Resources > Northcentral Regional Office > Community Information > Camp Hope Run Landfill. Written comments on the proposed plan approval or requests for a public hearing should be directed to Muhammad Q. Zaman, Environmental Program Manager, Department of Environmental Protection, Air Quality Program, Northcentral Regional Office, 208 West Third Street, Suite 101, Williamsport, PA 17701, 570-327-3648.