

RESPONSE 76

system or to a separate condensate tank. Liquids from the LFG system may be recirculated in the landfill.

The gas control system will be installed in a manner that protects the integrity of the liner, leachate collection, and final cover systems. Gas wells will be drilled such that they terminate at least 15 feet above bottom of waste. Penetrations in the final cover system will be sealed appropriately to minimize the intrusion of water and air into the waste.

Operational activities for the GCCS typically include periodic maintenance activities and system balancing. Wellfield technicians visually check the active gas extraction wells for excessive settlement, well head integrity, and to verify the condition of seals, monitoring ports, and connections. All monitoring and inspection reports will be maintained in the SOR. As needed, wells will be adjusted so that flow volumes will minimize potential air intrusion into the waste.

The LFGMP covers the evaluation of LFG migration at the points of compliance (permit boundary) and in structures on the permitted site. Compliance with the above standards will be verified by monitoring LFG concentration at or within the facility permit boundary and within on-site buildings. This gas monitoring system will be modified as needed to reflect changing on-site and adjacent land uses.

5.3 Landfill Gas Blower-Flare Station

A LFG blower-flare station with a candlestick flare will be used for combustion of the LFG. The LFG blower-flare station will include the following components:

- An inlet knockout vessel to remove suspended particles and entrained liquid from the LFG
- A flow meter to record the LFG flow
- Blower/compressor equipment to create vacuum and withdraw the LFG from the landfill
- Automatic valves to prevent backflow of air into the LFG collection system
- A flame arrestor to prevent the flame from entering the LFG collection system piping
- Miscellaneous electrical controls and monitoring equipment

5.4 Repairs and Replacement / Backup Plan

In the event that a unit or piece of equipment (part) for the main gas monitoring and extraction/control systems malfunctions or is no longer effective, the applicable part will be taken offline and repaired or replaced. A rental or spare part will be used to replace the affected part until a new part or the repaired part is ready for service.

If due to equipment breakdown or overload, backup equipment is required, the equipment will be obtained from LFG specialty firms. Backup equipment may include a rental flare, blower skid,