

APPENDIX E

MONITORING PROBE REQUIREMENTS

Gas Monitoring System

A methane gas monitoring system must incorporate the following:

1. Probes must be placed both above and below the membrane. Probes must be located in the sand layers and must terminate at the monitoring station.
2. The monitoring probe must be 12 inches in length, 1/2 inch diameter, perforated, wrapped with burlap or similar materials, and connected to a 1/4 inch outside diameter tubing/piping which terminates at a monitoring station.
3. The sampling end of each probe (at the monitoring station) must be provided with a 1/4 inch cock valve with a 1/4 inch outside diameter, 1 inch long stub and should be located inside of a valve box or approved equal.
4. Each valve box should be of concrete body with cast-iron frame and cover. Each cock valve must be labeled accordingly as to its location, probe number, etc.
5. The word "Methane" must be cast on the valve box cover.
6. A sign must be posted adjacent to each monitoring station "Methane Gas Monitoring Station – Do Not Block". The words must be in white letters, a minimum of 3/4 inch high and placed on a red background. The sign must be posted to the wall, a minimum of 5 feet above the floor and as close to the monitoring station as possible.
7. A probe must be provided for approximately every 625 feet of floor area.