

# July 2014 GLCCC update

## Gude Landfill Gas Migration Control Actions Taken Report January 2014 to July 2014:

1. Initial gas migration detected at probes 26 and 28 in December 2013
2. Landfill Gas to Energy (LFGE) contractor SCS Engineers increased vacuum and refined balancing on gas extraction wells in the vicinity of the detected gas migration in attempt to pull back methane
3. Four wells installed around the stormwater pond adjacent to Gude Dr. in January 2014 in response to methane detections on two probes (Probes 26 and 28)
4. In January 2014, methane is detected at probes 5 and 6, additional efforts on rebalancing are made to mitigate the gas mitigation
5. February 2014, Probe 28 remained in compliance
6. In order to remove the methane from the probes 5, 6, and 26 SCS has continuously monitored the extraction wells in front of these probes to check vacuum and water level conditions.
7. On March 6, 2014, SCS started a second flare at the Gude landfill and increased the vacuum and flow from the core area of the landfill. SCS also increased and concentrated the vacuum on the extraction wells along the NW slope in front of probes 5 and 6
8. March 15, 2014, Probe 26 came into compliance and remained in compliance
9. As stated in April GLCCC meeting, high water levels from the extremely wet winter and spring measured in the extraction wells along the perimeter of the landfill in the vicinity of probes 5 and 6 indicated that most of the perforations in the wells were blocked by liquid, resulting in a decreased radius of influence (vacuum pressure)
10. Three pneumatic pumps were temporarily placed in the extraction wells that were opposite probes 5 and 6 in an effort to dewater the wells and increase the radius of influence (vacuum pressure)
11. Pumping continued, and the methane levels in the probes decreased slightly
12. Two additional wells, using an alternative design with deep screening and a seal to prevent shallow water infiltration, were installed along the perimeter of the landfill in late May 2014 to provide more coverage to assist in mitigating the methane at probes 5 and 6
13. Methane readings at the probes showed a marked decrease in methane once the wells were activated which led to no methane being detected along the Northwest slope.
14. July 2014, since activation of the new wells, probes 5 and 6 have remained in compliance.

## Ongoing Activities at the Gude Landfill:

The County and WSSC finalized and signed a right-of-entry (ROE) agreement on December 13, 2013. This agreement permits WSSC to use an existing groundwater monitoring well access road at the Gude Landfill, located near the Southlawn Lane entrance, to access their sewer lines for maintenance. WSSC began using Gude to access their sewer man holes and sewer lines on May 20, 2014. WSSC is also using a portion of the site (concrete pad) as a construction laydown area to store materials and equipment. The work will continue until all maintenance and repairs are completed.

ATTACHMENT I  
NEWLY INSTALLED LANDFILL GAS EXTRACTION WELLS ALONG NW  
SLOPE

