



MISSOURI
DEPARTMENT OF
NATURAL RESOURCES

Information Sheet

History

The Eagle Ridge Landfill was permitted in July 14, 1995, under permit number 0116304. The landfill is approximately 56 acres in size and currently has 37 acres of waste in place. The facility is owned by WCA Waste Corporation. On November 24, 1997, gas monitoring probes (GP-1 through GP-9) were installed at the landfill. On November 30, 2009, the Solid Waste Management Program (SWMP) required that the landfill update their Gas Monitoring Plan, and the plan was submitted to the Department of Natural Resources' (Department) in December 2011. WCA Waste Corporation added gas monitoring wells GM-100 through GM-116 in the revised Gas Monitoring Plan and the SWMP approved the plan on March 12, 2012.

Methane Migration and Monitoring Wells

On May 11, 2012, the Department's Solid Waste Management Program received notification from WCA Waste Corporation that gas monitoring wells GM-101, GM-102, and GM-104 contained methane above 2.5% by volume and later found that GM-100 also contained methane above 2.5% by volume. In response to the notification, the SWMP immediately sent the facility a list of procedures to notify adjacent property owners and begin corrective actions to address the methane migration. The Department issued the Eagle Ridge Landfill a Notice of Violation (NOV) on June 14, 2012, and referred the landfill to the SWMP's Compliance/Enforcement Section to address the violation.

Summary of Recent Activity at Site

In response to the detection of methane gas in perimeter gas monitoring wells, WCA Waste Corporation notified the Pike County Presiding Commissioner, the Pike County Sheriff and the Bowling Green Fire Marshall on May 11, 2012. Occupants of structures and property owners within 1,000 feet of the impacted gas probes were also notified of the out of compliance wells and potential for methane to migrate off-site. The WCA Waste Corporation provided methane detectors to nine residences located within 1,000 feet of the impacted gas probes, and the facility conducted additional gas monitoring at eight of the residences.

If a property owner receives a notification letter from a landfill, they are being sent the letter as a precautionary measure to ensure they are aware of the potential for landfill gas migration in the area. Landfill gas is a term for a mixture of gases generated during the decomposition of waste at a landfill and includes methane (CH₄), carbon dioxide (CO₂), and trace constituents of many other contaminants. The migration of methane from a landfill is a concern because methane is explosive within a certain range of concentrations. Methane itself is a colorless, odorless gas, while the trace constituents can cause the landfill gas to have a characteristic odor. The Department encourages property owners or tenants to be aware of the potential for methane migration in the area.

The Department's SWMP will continue working with WCA Waste Corporation to develop and implement corrective actions to reduce methane concentrations in monitoring wells at the property boundary and control it on-site.

For More Information:

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www.dnr.mo.gov/env/swmp/methane.htm