

US EPA ARCHIVE DOCUMENT

On February 24, 2009, Clinton Landfill, Inc. submitted a permit application to IEPA Bureau of Land to reconfigure its gas collection system to add an auxiliary 8" header line to allow operation of its flare and the methane to electricity plant simultaneously. The facility was approaching final receipts of waste and as such, had several acres which had not received final cover. A permit was issued by IEPA on May 21, 2009. Construction was completed on September 11, 2009 and the flare and plant were operational simultaneously. On August 19, 2009, Engine One in the plant experienced a major malfunction and was shipped to Caterpillar for repair. The estimated time for repair was 2 weeks, but the engine was not back in operation until November 23, 2009. Only one engine controlled the gas collection from August 19 to September 11. On November 23, 2009, the flare and both engines were controlling gas.

The facility air permit continued to be in compliance during this period, but odor complaints were received from IEPA. In response to the complaints, Clinton Landfill, Inc. implemented a program to respond to odor.

CLI's program included conducting several activities in response to odor from the Clinton Landfill No.2 facility. Additional soil cover has been placed during January and February and continues to be placed as needed. Eight new gas extraction wells were added in January with three new 6" header lines F, G1 and G2 constructed. The new wells were placed on line February 4, 2010. An air permit has been received from IEPA which details the process for implementation of certain odor controls proposed to IEPA by CLI. A process has been prepared to ensure that IEPA is notified in advance of pilot activities, that all required monitoring is performed, and that the required field records are maintained. Finally, a larger flare has been ordered with an expected delivery date of May 1, 2010. The larger flare will provide redundant gas collection in the event that the engines in the plant or the existing flare become inoperable.

Monitoring of the facility has determined no odor issues away from the landfill waste boundary during February. It is anticipated that continued operation of the gas system and the above referenced measures will control odor until the final cover can be placed during the 2010 construction season. The cover is planned to be placed by August, 2010.