

COST SAVINGS USING A STRATEGIC LANDFILL GHG MONITORING PROGRAM

Significant cost savings can be achieved through implementation of a strategic GHG Rule compliance program. The proposed strategy replaces the labor and expense associated with required manual data collection with remote data collection equipment added to existing landfill gas control units. This strategy will eliminate the need for manual monitoring of methane and landfill gas (LFG) flow data which represent the most costly component of GHG Rule compliance for the majority of MSW Landfills. The remote monitoring strategy is designed to provide the following benefits:

- Minimize or eliminate coordination of manual data collection by a number of consultants and/or individuals operating at various facilities;
- Facilitate data collection at the convenience of individual sites;
- Minimize or eliminate scheduling conflicts and delays due to weather, holidays or similar logistical factors associated with manual data collection;
- Minimize or eliminate human or instrument error associated with manual data recording;
- Increase consistency and efficiency with respect to corporate-wide reporting and management of GHG emission data;
- Enhance the ability and cost efficiency of monitoring problematic sites;
- Enhance the ability to observe the response of gas collection systems to wellfield adjustments; and
- Standardize remote data collection which will result in more efficient long-term data management.

While this strategy will result in increased near-term capital expenditures for equipment and its associated installation as compared to the proposed mode of manual data collection, CEC estimates a payback period of approximately three years for the majority of “typical” landfill facilities. In addition, while not immediately quantifiable in terms of cost or risk, the conversion to remote data collection will provide an environmental savings through elimination of carbon dioxide emissions (generated by vehicle emissions).

CEC can provide you with an estimate of potential savings that can be realized by implementing a strategic GHG compliance for your MSW Landfill. To request an estimate of potential cost savings, or to request other information on the GHG Rule, please contact Ralph Hirshberg at our GHG Helpline at 1-888-364-2324 or email your request to LFGHGHelp@cecinc.com.