



Integrated Flare & Power Plant Operation Improved Compliance & Reduced Cost

VFD's help to minimize odors and wellfield tuning costs.

Reduced gas system operating costs by \$30,000 per year

Client: Confidential Clients

Location: Various Locations

Designed and installed systems to integrate power plant and flare control systems to maintain a constant vacuum on the landfill regardless of whether power plant or flare or both were operating.

By using variable frequency drives (VFD's) and installing controls based on vacuum at the existing flare station, we were able to minimize odors and decrease the time required for wellfield management. This resulted in a savings of approximately \$20,000 in wellfield management labor costs annually.

Data loggers in use at the site required manual linking of stored data files and did not provide a mechanism to edit the links once established, causing plant operator to repeatedly have to re-establish links.

Designed interconnect, installed and programmed multiple data loggers to track compliance parameters. Developed a computer program to link the files automatically, create a log and determine compliance exceedances that are reported on a form for subsequent use. This program automates data to enhance compliance and allows personnel to focus on other tasks. This program saves approximately \$10,000 in labor costs annually.

