

Technical Consultant: Daniel Robb

Project Participant: Sunnyside Farms - 122N

1st visit: 12/4/2009

All monitoring instrumentation was inspected to insure that it is accurately installed and that it reliably measures the required data. The monitoring equipment is installed in the correct location, and meter readings were verified with one time measurements.

Some issues with flare readings (for farm use only). When flare isn't lit the temperature reading is very high (64960), or negative

2nd visit: 4/6/2010

All monitoring equipment is in same location and operating correctly. No changes were observed with the genset, electric panels, or meters. The equipment has been running very reliably.

The farm had some manure shortages during the beginning of March. This can be seen in the power and biogas data where they dip well below the typical values of 500 kWh and 14,000 cf.

3rd visit: 7/15/2010

All monitoring equipment is in same location and appeared to be operating correctly. No changes were observed with the genset or electric panels. The only difference is that the Carbon Catcher display screen wasn't showing the biogas flow information for either the flare or engine. However the sage meters were still functioning properly and the log files still contain the values.

4th visit: 11/2/2010

All monitoring equipment is in same location and appeared to be operating correctly. No changes were observed with the genset or electric panels. The Carbon Catcher display screen is once again showing the flow readings for both engine and flare flows. Greg has been talking with NYSEG about a dedicated line being run to farms in the area in order to handle power being exported back to the grid. If it is built the farm would finally be able to install a second 500 kW engine as they had originally planned / hoped to do.

5th visit: 3/15/2011

All monitoring equipment is in same location and appeared to be operating correctly. No changes were observed with the genset or electric panels. The generator was down in the middle of February for a few days so the headers could be changed.

6th visit: 8/4/2011

All monitoring equipment is in same location and appeared to be operating correctly. No changes were observed with the genset or electric panels.

7th visit: 11/18/2011

All monitoring equipment is in same location and appeared to be operating correctly. No changes were observed with the genset or electric panels.

8th visit: 1/17/2012

All monitoring equipment is in same location and appeared to be operating correctly. No changes were observed with the genset or electric panels.

9th visit: 5/23/2012

All monitoring equipment is in same location and appeared to be operating correctly. No changes were observed with the genset or electric panels. Installation of a 2nd engine was in process.

10th visit: 8/23/2012

All monitoring equipment is in same location and appeared to be operating correctly. No changes were observed with the genset or electric panels. Installation of a 2nd 500 kW engine was complete; 2nd unit was up and running. Installation of 2nd engine results in no gas being flared.

11th visit: 11/7/2012

All monitoring equipment is in same location and appeared to be operating correctly. No changes were observed with the genset or electric panels.

