Meeting minutes

date: March 21, 2019 Friday 11:00 am; teleconference.

Present: Peter Loyd, Harry Li (CTI), Prashanth (CTI), Bojun (CTI)

1. Peter: replace flow meeter with the following model 100, with RS485 interface.

<https://www.sierrainstruments.com/products/c100.html>

Analog or digital signals included: RS-232, RS-485 (Multi-drop), 0-20, 4-20 mA; 0-5, 1-5, 0-10 VDC

to replace the previous Sierra Instrument gas flow meter/controller.

2. Harry: training for CTI staff to operate the current existing system at Triple Ring, on April 9, Peter will check with Charlie.

3. Harry: Mid April for the first controller prototype to hook to the current existing system to begin whole integration.

4. Discussion of safety guidelines. Peter described Oxygen sensors (pressure senor) requirement inside the mixing glass compartment, 6% oxygen required (threshold), (1) higher concentration will cause explosion, lower have to be armed to the operator.

(2) sensor can be placed anywhere inside the circulating gas, in refrigerator, higher than 6% we will have to shut off heater (can be placed anywhere in the flow),

(3) Harry: safty guideline for operation, Peter: will have to have safety glass on;

explosion never happen before; HL: need safety guideline, peter will send one page to us.