GLOVERSVILLE JOHNSTOWN WWTP – NEW – DATABASE NOTES

Table 1 Database Notes

Data Collection	Data Logger: Data Collection Interval: Collection Method:	Building SCADA System 15 – Minute Nightly Windows scheduled task to run CDH provided upload.bat to upload to data.cdhenergy.com server.
Site Information	DER Unit (make & model): Nameplate Capacity: Heat Recovery Medium: Heat Recovery Uses: Excess Heat:	One (1) GE3508 LE engine and SR 4B generator 375 kW Hot Water Process heat Rejected to atmosphere using dump radiator
DER Electricity Generated (WG)	Engineering Units: Energy Measurement (net/gross): Measurement Type:	kW Gross Average 15-minute kW provided by unknown power meter
Biogas to Generator (FGE)	Engineering Units: Measurement type:	cfh Average 15-minute cfh provided by unknown gas meter
Biogas to Flare (FGF)	Engineering Units: Measurement type:	cfh Average 15-minute cfh provided by unknown gas meter
H2S to Scrubber (H2S_IN)	Engineering Units: Measurement type:	- -
H2S to Generator (H2S_OUT)	Engineering Units: Measurement type:	ppm Landtec FAU-TDL gas analyzer; 60-minute samples
Methane Content (CH4)	Engineering Units: Measurement type:	% CH_4 Landtec FAU-TDL gas analyzer; 60-minute samples

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Table 2 Event Timeline

Date	Event
June 1, 2016	Engine #3 power and system gas analyzer data (H2S_OUT and CH4) begins.
October 25, 2019	Issue with gas analyzer, H2S_OUT stops reporting.

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Range Checks

Table 3 Range Checks

Data Point	Units	Database Lower Range	Database Upper Range	Notes
DER Electricity Generated	kWh/hour	0	500	
Biogas to Generator	cfh	0	10,000	
Biogas to Flare	cfh	0	30,000	
H2S to Generator	ppm	0	3,000	
Methane Content	%	0	100	
Ambient Temperature	°F	-20	130	NOAA Airport Code - KSYR

Relational Checks

Table 4 Relational Checks

Evaluated Point(s)	Criteria	Result