ONSAN Monitoring report # 17 PI system data extraction

• Data correction when data recording system was out of order on July. 4<sup>th</sup> 2008.

When data recording system was out of order (July 4<sup>th</sup> 06:55AM to July. 4<sup>th</sup> 10:48AM), stack gas flow rate was corrected according to Data Handing Protocol sub-section E8-2,

In case of failure of the flow meter, a constant value will be taken for the duration of the failure, with the justification that the plant is under normal conditions.

The following operating parameters will be checked during the failure of the flow meter FIQ 58407 to define that constant value :

- Flow rate of waste gas FI 57015
- Flow rate of natural gas FQ91485
- Oxygen control AIC58405

From their maximum values we will define the maximum flow recorded with those conditions.

		C58400 GAS OUTLET	LNOX TO F58010	LNG FROM SUPPLIER	O2 C58400 INLET	C58400 GAS OUTLET
		F58407/AI1/PV.CV	FC57015/PID1/PV.CV	F91485/AI1/PV.CV	AC58405B/PID1/PV.CV	F58407/AI1/PV.CV
apart from data logger failure	average	17246.09	6269.33	1350.00	1.49	17246.09
	min	16204.28	6017.74	1313.52	1.41	16204.28
	max	18196.38	6629.34	1389.98	1.59	18196.38
during failure of data	average	16196.68	6184.31	1339.28	1.49	19949.74
•	min	9905.86	6002.59	1316.48	1.31	19949.74
logger						
•	min max	9905.86	6002.59	1316.48	1.31	19949.74

During failure of the data logger, the operation parameter of the waste gas flow rate, natural gas flow rate and O2 control at the stack are the nearly same.

The maximum value of every minute measurement (Nm3 per hour) was taken with defined operating conditions.

start time	endtime	C58400 GAS OUTLET
		F58407/AI1/PV.CV
7-3-08 6:05:00 AM	7-4-08 6:05:00 AM	19713.7
7-4-08 6:05:00 AM	7-5-08 6:05:00 AM	19971.2
7-5-08 6:05:00 AM	7-6-08 6:05:00 AM	19949.7