Medical Gas Outlet Survey Report

File Name	Download Date	Facility
Sample Data File.pdf	Sat May 31 10:00:00 EDT 2014	General Hospital

Filter: (Display All)

Prepared By:

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Comment:	

Data collected and processed using the NST Medical Gas Outlet Analyzer.

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Explanation of Codes

This report contains test results of a survey of medical gas outlets at the facility listed above. Outlets were tested for gas type, static pressure,and pressure during flow and concentration. Notes may have been added by test personnel when appropriate.

No tests of gas purity were performed

The significance of the data in each column is as follows:

LINE - Maintains a count of the number of outlets tested.

FLOOR, AREA, ROOM, and OUTLET - Gives the location of the outlet within the hospital and within the room.

EXPECTED GAS - The gas type as marked on the adapter plugged into the inlet end of the analyzer gas hose. This adapter is chosen to match the gas type marked on the gas outlet. (Oxygen, Nitrous Oxide, Air, Carbon Dioxide, Nitrogen, Vacuum, or WAGD)

DETECTED GAS - The gas type actually flowing from the outlet. A '*' indicates that a different gas was flowing from the outlet than was expected.

STATIC PRESSURE - The pressure at the outlet with no flow. A '*' indicates pressure above or below:

Gas:	O2 (PSIG)	N2O (PSIG)	Air (PSIG)	CO2 (PSIG)	N2 (PSIG)	Vacuum (inHgG)	WAGD (inHgG)
Min. Pressure:	50.0	50.0	50.0	50.0	160.0	12.0	12.0
Max. Pressure:	55.0	55.0	55.0	55.0	185.0	31.0	31.0

GAS FLOW - Gas is drawn from the outlet at an increasing rate until flow reaches the test value or pressure drops below the minimum value listed below. Flow and pressure are then recorded. A '*' indicates pressure above or below:

Gas:	O2 (PSIG)	N2O (PSIG)	AIR (PSIG)	CO2 (PSIG)	N2 (PSIG)
Min. Pressure:	45.0	45.0	45.0	45.0	155.0
Max. Pressure:	55.0	55.0	55.0	55.0	185.0
Test Flow:	100.0 LPM	100.0 LPM	100.0 LPM	100.0 LPM	140.0 LPM

PRESSURE DROP - Is static pressure minus the pressure measured at the flow listed in the 'FLOW RATE' column. A'?' indicates that the test was aborted before the flow reached the 'Test Flow' listed above. A '*' indicates a pressure drop greater than:

Gas:	O2 (PSIG)	N2O (PSIG)	AIR (PSIG)	CO2 (PSIG)	N2 (PSIG)
Max. drop:	5.0	5.0	5.0	5.0	5.0

VACUUM FLOW - (Performed with brass flow orifice adapter) - Maximum flow into the vacuum inlet and pressure drop in the analyzer are recorded. A '*' indicates flow was less than 85 LPM. Inlet should be tested with 3 SCFM (85 LPM) flow at an adjacent inlet.

VACUUM PRESSURE - (Performed with adapter without flow orifice) - Test result labeled ADJACENT INLET FLOW indicates that a STATIC PRESSURE test was performed on a vacuum station inlet while an adjacent station inlet on the same zone was flowing at 3 SCFM (85 LPM). A '*' indicates pressure was less than 12 inHg.

NOTE - Notes are entered by test personnel and reflect observations beyond the scope of the automatically performed tests. A '*' indicates an unacceptable condition.

STATUS - The outlet is:

'PASS '	if all test results and the NOTE are acceptable (not flagged with a '*'.)
'FAIL *'	if any test result or NOTE is unacceptable (flagged with a '*'.)
'UNTESTED-'	if the outlet was not tested and the NOTE is acceptable (i.e. 'Not Accessible'.)

Medical Gas Outlet Test Data

Cmt	Ref.	Floor	Area	Room	Outlet	Expected Gas	Detected Gas	Static Pressure	Flow Rate	Flow Pressure	Pressure Drop	Transient Flow	Gas Conc.	Note	Status
	1	2nd	LAB 1	204	1	O2	O2	52.8 PSI	100.0 LPM	48.3 PSI	4.5 PSI	172.0 LPM	99.0 %		PASS
	2	2nd	LAB 1	204	2	O2	O2	52.8 PSI	100.0 LPM	47.6 PSI	5.2 PSI	176.0 LPM	99.1 %		FAIL
	3	2nd	LAB 1	204	3	O2	O2	52.9 PSI	100.0 LPM	48.4 PSI	4.5 PSI	178.0 LPM	99.6 %		PASS
	4	2nd	LAB 1	204	4	O2	O2	53.1 PSI	100.0 LPM	48.5 PSI	4.6 PSI	177.0 LPM	99.7 %		PASS
	5	2nd	LAB 1	204	5	AIR	AIR	52.9 PSI	100.0 LPM	46.4 PSI	6.5 PSI	172.0 LPM	20.8 %		FAIL
	6	2nd	LAB 1	204	6	AIR	AIR	52.8 PSI	100.0 LPM	48.9 PSI	3.9 PSI	171.0 LPM	20.8 %		PASS
c	7	2nd	LAB 1	204	7	AIR	AIR	52.9 PSI	100.0 LPM	48.8 PSI	4.1 PSI	171.0 LPM	20.9 %		PASS
	8	2nd	LAB 1	204	8	AIR	AIR	53.3 PSI	100.0 LPM	45.0 PSI	4.3 PSI	174.0 LPM	20.9 %		PASS
	9	2nd	LAB 1	204	9	N2	N2	176.0 PSI	140.0 LPM	172.0 PSI	4.0 PSI		0.0 %		PASS
	10	2nd	LAB 1	204	10	N2	N2	176.0 PSI	140.0 LPM	171.9 PSI	4.1 PSI		0.0 %		PASS
	11	2nd	LAB 1	204	11	N2	N2	176.0 PSI	140.0 LPM	172.0 PSI	4.0 PSI		0.0 %		PASS
	12	2nd	LAB 1	204	12	N2	N2	176.0 PSI	140.0 LPM	171.8 PSI	4.2 PSI		0.0 %		PASS
c	13	2nd	LAB 1	204	13	N2O	N2O	51.3 PSI	100.0 LPM	48.2 PSI	3.1 PSI		99.7 %		PASS
	14	2nd	LAB 1	204	14	N2O	N2O	51.3 PSI	100.0 LPM	48.0 PSI	3.3 PSI		99.8 %		PASS
	15	2nd	LAB 1	204	15	N2O	N2O	51.3 PSI	100.0 LPM	48.2 PSI	3.1 PSI		99.7 %		PASS
	16	2nd	LAB 1	204	16	N2O	N2O	51.3 PSI	100.0 LPM	48.2 PSI	3.1 PSI		100.0 %		PASS
	17	2nd	LAB 1	204	17	CO2	CO2	50.3 PSI	100.0 LPM	44.9 PSI	5.4 PSI		99.7 %		FAIL
	18	2nd	LAB 1	204	18	CO2	CO2	52.3 PSI	100.0 LPM	47.8 PSI	4.5 PSI		100.0 %		PASS
	19	2nd	LAB 1	204	19	CO2	CO2	52.4 PSI	100.0 LPM	48.2 PSI	4.2 PSI		99.8 %		PASS
	20	2nd	LAB 1	204	20	CO2	CO2	52.3 PSI	100.0 LPM	47.8 PSI	4.5 PSI		99.8 %		PASS
	21	2nd	LAB 1	204	21	CO2	CO2	52.4 PSI	100.0 LPM	47.9 PSI	4.5 PSI		99.8 %		PASS
	22	2nd	LAB 1	204	22	CO2	CO2	52.4 PSI	100.0 LPM	47.9 PSI	4.5 PSI		100.0 %		PASS
	41	2nd	LAB 1	204	23	VAC	VAC	21.1 inHgG	85.0 LPM	3.1 inHgG					PASS
	42	2nd	LAB 1	204	24	VAC	VAC	20.8 inHgG	86.4 LPM	2.73 inHgG					PASS
	43	2nd	LAB 1	204	25	VAC	VAC	19.5 inHgG	86.9 LPM	3.73 inHgG					PASS
	44	2nd	LAB 1	204	26	VAC	VAC	20.9 inHgG	85.0 LPM	2.0 inHgG					PASS
	45	2nd	LAB 1	204	27	WAGD	WAGD	20.4 inHgG	85.0 LPM	3.2 inHgG					PASS
	46	2nd	LAB 1	204	28	WAGD	WAGD	21.3 inHgG	85.0 LPM	3.4 inHgG					PASS
	47	2nd	LAB 1	204	29	WAGD	WAGD	21.0 inHgG	Adjacent Inlet Flow						PASS
	48	2nd	LAB 1	204	30	WAGD	WAGD	20.8 inHgG	Adjacent Inlet Flow						PASS
	49	2nd	LAB 1	204	31	WAGD	WAGD	20.6 inHgG	Adjacent Inlet Flow						PASS
	50	2nd	LAB 1	204	32	WAGD	WAGD	20.6 inHgG	Adjacent Inlet Flow						PASS
	23	3rd	LAB 2	306	1	O2	O2	52.8 PSI	100.0 LPM	48.3 PSI	4.5 PSI	176.0 LPM	99.7 %		PASS
	24	3rd	LAB 2	306	2	O2	O2	52.9 PSI	100.0 LPM	48.3 PSI	4.6 PSI	178.0 LPM	99.8 %		PASS
	25	3rd	LAB 2	306	3	O2	O2	53.0 PSI	100.0 LPM	48.5 PSI	4.5 PSI	173.0 LPM	99.7 %		PASS
	26	3rd	LAB 2	306	4	AIR	AIR	52.2 PSI	100.0 LPM	48.3 PSI	3.9 PSI	173.0 LPM	21.5 %		PASS
	27	3rd	LAB 2	306	5	O2	O2	53.1 PSI	100.0 LPM	48.6 PSI	4.5 PSI	177.0 LPM	100.0 %		PASS
	28	3rd	LAB 2	306	6	AIR	AIR	52.4 PSI	100.0 LPM	48.6 PSI	3.8 PSI	173.0 LPM	21.7 %		PASS
	29	3rd	LAB 2	306	7	CO2	CO2	53.1 PSI	100.0 LPM	48.2 PSI	4.9 PSI		99.8 %		PASS
	30	3rd	LAB 2	306	8	O2	O2	53.2 PSI	100.0 LPM	48.6 PSI	4.6 PSI	173.0 LPM	99.7 %		PASS
	31	3rd	LAB 2	306	9	N2O	N2O	52.9 PSI	100.0 LPM	49.8 PSI	3.1 PSI		99.9 %		PASS
	32	3rd	LAB 2	306	10	CO2	CO2	52.3 PSI	100.0 LPM	47.8 PSI	4.5 PSI		100.0 %		PASS
	33	3rd	LAB 2	306	11	N2	N2	174.0 PSI	140.0 LPM	170.0 PSI	4.0 PSI		0.0 %		PASS
	34	3rd	LAB 2	306	12	N2O	N2O	51.2 PSI	100.0 LPM	48.0 PSI	3.2 PSI		99.8 %		PASS
	35	3rd	LAB 2	306	13	O2	O2	53.5 PSI	100.0 LPM	49.5 PSI	4.0 PSI	177.0 LPM	99.9 %		PASS
	36	3rd	LAB 2	306	14	CO2	CO2	52.3 PSI	100.0 LPM	47.6 PSI	4.7 PSI		99.8 %		PASS
	37	3rd	LAB 2	306	15	AIR	AIR	52.7 PSI	100.0 LPM	48.9 PSI	3.8 PSI	173.0 LPM	20.6 %		PASS
	38	3rd	LAB 2	306	16	N2O	N2O	51.2 PSI	100.0 LPM	47.0 PSI	4.2 PSI		99.7 %		PASS
	39	3rd	LAB 2	306	17	N2	N2	175.0 PSI	140.0 LPM	171.0 PSI	4.0 PSI		0.0 %		PASS
	40	3rd	LAB 2	306	18	AIR	AIR	52.8 PSI	100.0 LPM	48.9 PSI	3.9 PSI	171.0 LPM	20.7 %		PASS

Medical Gas Outlet Comment Report

File Name	Download Date	Facility
Sample Data File.pdf	Sat May 31 10:00:00 EDT 2014	General Hospital

Comments for file: Sample Data Report.csv

Reference No.	Comment
7	Broken Faceplate
13	Broken Faceplate

Medical Gas Outlet Summary Report

File Name	Download Date	Facility
Sample Data File.pdf	Sat May 31 10:00:00 EDT 2014	General Hospital

Filter: (Display All)

	Detected Gas	Static Pressure	Flow	Pressure Drop	Transient Flow	Note	Status	
PASS	50	50	49	47	49	0	47	
FAIL *	0	0	1	3	0	0	3	
UNTESTED-	0	0	0	0	1	50	0	
Filtered total								50

	Detected Gas	Static Pressure	Flow	Pressure Drop	Transient Flow	Note	Status	
PASS	100.00%	100.00%	98.00%	94.00%	98.00%	0.00%	94.00%	
FAIL *	0.00%	0.00%	2.00%	6.00%	0.00%	0.00%	6.00%	
UNTESTED-	0.00%	0.00%	0.00%	0.00%	2.00%	100.00%	0.00%	
Filtered Total								100.00%