

Hotel Quarantine Facility Ventilation Factors Summary

Criteria	Adnate	Four Points	Holiday Inn	Hyatt	Intercon	Mercure	Novotel Langley	Novotel Murray	Pan Pac	Westin
No. rooms assessed engineer	2 + family room (2rooms)	1 >5 pressure tested	1	2 >5 smoke tested	2	1 + 24 smoke test	3	1 + 4 smoke test	2 + 25--smoke test	2 approx 5 smoke test
Ventilation Rate	183	257	249	147-231	204-389	175	246-456	293	77- 138	248-281
Room Pressure	Negative	Positive	Negative	Neutral or negative	Neutral with smoke and hot wire	19 Positive and 5 negative rooms	Positive pressure	2 positive and (1 negative with smoke test) 3 negative	12 positive 9 neutral and 4 negative	Positive however smoke test showed them negative – point of leakage from room unknown
Leakage Room to Corridor L/s	-32	82	-32	-42, 0	0	-150	81-191	-123	40, 105	13, 73
Exhausted to outside	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Fresh air supply configured to % at AHU	100%	90-95% <u>recirculation</u> when hotel was empty	100%	100%	100%	100%	100%	100%	100%	100%
Separate Clean air to corridors	Yes + air to lift lobby	No- corridor supply from leakage from rooms	Yes + air to lift lobby	Lobby atrium well ventilated	Yes + air to lift lobby	No- corridor supply from leakage from rooms	No- corridor supply from leakage from rooms	Fresh air to lift lobby	No- corridor supply from leakage from rooms but has Supply vents in the lift lobby	Fresh air to lift lobby
Ability to make engineering changes	Nil Required (in exec summary)	May be possible to increase fresh air and reduce recirculation and then	Nil required	Nil required	Possible	Difficult – prohibitively costly to achieve	Difficult	May be possible by reducing supply air or run exhaust fans >100%	Difficult	Possible – reduce inward airflow to make more negative

		increase exhaust to make rooms negative pressure				neg pressure				
Engineer comments	The family rooms are 2 adjoining rooms which are suitable for family use. Utilise one room of the two for non-family.	Aged HAVC system not designed for 100% fresh air	Best level of protection (with windows closed)	Well ventilated	seals on doors good can be adjusted to make rooms negative for when doors open	Given the degree of +ve pressure leakage likely b/w rooms and corridor	Inconsistent results in room pressure	Due to uncertainty of pressure variation doesn't recommend only using -ve rooms	Use of Positive pressure rooms not recommended	Good protection
Glossop relative Risk – considers guard exposure and risk	Low risk	High risk	Moderate risk	Low risk	Low risk	High risk	High risk	Moderate risk	Moderate risk	Low risk
Other relevant factors or observations		AHU Filters swabbed negative for viral fragments	openable windows			Operable windows				