Alpha
Consulting Engineers Pte Ltd

QUALITY RISK ASSESSMENT FORM

Section: E7 – Control of Air and Noise Pollution	Conducted By: *YYF*	Review Date: *30 October 2023*
Dept. Engineering	Approved By: *CCG*	Next Review Date: *30 October 2026*

Score	**1**	**2**	**3**	**4**	**5**
Severity (S)	Negligible	Marginal	Moderate	Critical	Catastrophic
Likelihood (L)	Rare	Unlikely	Possible	Likely	Almost Certain

Total Score	**1 - 2**	**3 - 4**	**5 - 15**	**16 - 25**
Risk Level (RL)	Minimal Risk	Low Risk	Medium Risk	High Risk
Action	Maintain Existing Risk Control Measure		Monitor Risk Control Measure	Need Additional Risk Control Measure

Risk Identification				Risk Evaluation				Risk Re-Evaluation				Responsibility
No.	Activity	Potential Failure	Effect	Existing Risk Control	S	L	RL = S x L	Additional Risk Control Measures (RL > 15)	S	L	RL = S x L	Designation
1	Air quality	Use of ozone depleting refrigerant for the air conditioning equipment (chiller, VRV/split unit, etc.)	Global warming	Tender specifications shall include non-ozone depleting type refrigerant to be used	4	2	8					Project Manager
		Generation of dust and airborne bacteria in the construction site	Respiratory problems	Site staff to equip with suitable PPE before site inspection	3	4	12					Project Manager/ Site Staff

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2	Noise level	Expose to excessive noise generated during construction	Deafness	Allowable noise level in accordance with NEA requirements are specified Site staff to equip with suitable PPE before site inspection	4	3	12					Project Manager/ Site Staff