

Appendix 10A Summary of Environmental Impacts

Sensitive Receivers / Assessment Points	Impact Prediction Results (Without Mitigation)	Key Relevant Standards / Criteria	Extent of Exceedance (Without Mitigation)	Impact Avoidance Measures / Mitigation Measures	Residual Impacts (After Implementation of Mitigation Measures)
Air Quality Impact					
Construction Phase					
ASRs located within 500m from the Project boundary	<ul style="list-style-type: none"> Insignificant dust Impact 	<ul style="list-style-type: none"> Annexes 4 and 12 of the TM-EIAO Air Quality Objectives (AQO) 	<ul style="list-style-type: none"> N/A 	<ul style="list-style-type: none"> Implementation of dust control measures as recommended in Air Pollution Control (Construction Dust) Regulation Incorporation of Guidelines stipulated in EPD's Recommended Pollution Control Clauses for Construction Contracts 	<ul style="list-style-type: none"> No adverse residual impact
Operation Phase					
ASRs located within 500m from the Project boundary	<ul style="list-style-type: none"> No exceedances of AQO at the ASRs would be caused by the Project 	<ul style="list-style-type: none"> AQO 	<ul style="list-style-type: none"> N/A 	<ul style="list-style-type: none"> Air quality enhancement measures including the use of electric vehicles and the NOx-neutralising paver in the design of NAH 	<ul style="list-style-type: none"> No adverse residual impact
Hazard to Life Impact					
KDGW and the LPG Filling Station at Cheung Yip Street	<ul style="list-style-type: none"> Acceptable for both individual risk and societal risk 	<ul style="list-style-type: none"> Annex 4 of the TM-EIAO 	<ul style="list-style-type: none"> N/A 	<ul style="list-style-type: none"> Professional trainings and guidelines should be provided to the helicopter pilots 	<ul style="list-style-type: none"> No adverse residual impact
Noise Impact					
Construction Phase					

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NSRs located within 300m from the project boundary	<ul style="list-style-type: none"> No noise exceedances at the NSRs 	<ul style="list-style-type: none"> Annex 5 of TM-EIAO: 75 dB(A) $L_{eq(30mins)}$ stipulated in TM-EIAO for domestic premises from 0700 to 1900 hours on any day not being a Sunday or general holiday. 	<ul style="list-style-type: none"> N/A 	<p>Good site practices:</p> <ul style="list-style-type: none"> Quiet powered mechanical equipment (QPME) shall be used and serviced regularly during the construction programme; Only well maintained plants shall be used in the project; and Machines and plant that may be in intermittent use should be shut down between works periods or throttled down to a minimum between work periods. 	<ul style="list-style-type: none"> No adverse residual impact
Operation Phase					
NSRs located within 300m from the project boundary and areas potentially affected by the flight paths of helicopter	<ul style="list-style-type: none"> Predicted helicopter noise levels at the NSRs are in the range of L_{max} 78 to 86 dB(A) 	<ul style="list-style-type: none"> Annex 5 of TM-EIAO: L_{max} 85dB(A) for domestic premises, hostels, educational institutions, places of public worship, convalescences and home for aged, etc. from 0700 to 1900 hours 	<ul style="list-style-type: none"> Exceedance of the criterion by 1 dB(A) 	<ul style="list-style-type: none"> Setback of helipad; Carefully chosen flight sectors and one-way-direction for approaching and take-off subject to flight condition; Maintain buffer distance for flight paths to fly away from NSRs; and Noise barrier and noise reducers installation. 	<ul style="list-style-type: none"> No adverse residual impact

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Waste management					
Construction Phase					
Project area	Estimated quantity of waste generation: <ul style="list-style-type: none"> • Inert C&D Materials: 0m³ • Non-inert C&D Materials: 170m³ • Chemical Waste: <1 m³ • General Refuse: 6.3m³ 	<ul style="list-style-type: none"> • Annex 7 and 15 of TM-EIAO 	<ul style="list-style-type: none"> • N/A 	<ul style="list-style-type: none"> • The reuse/ recycling of all materials on-site shall be investigated prior to treatment/ disposal off-site; • Implementation of good site practices, waste reduction measures and proper storage, collection and transport of waste 	<ul style="list-style-type: none"> • No adverse residual impact
Operation Phase					
Helipad	<ul style="list-style-type: none"> • Limited amounts of general refuse 	<ul style="list-style-type: none"> • Annex 7 and 15 of TM-EIAO 	<ul style="list-style-type: none"> • N/A 	<ul style="list-style-type: none"> • Implementation of good site practices, waste reduction measures and proper storage, collection and transport of waste 	<ul style="list-style-type: none"> • No adverse residual impact
Visual Impact					
Residential premises and occupational/ hospitals	<ul style="list-style-type: none"> • No direct line of sight from the VSRs to the perimeter lights and only be switched on during approach mode to take-off mode for 7 minutes 	<ul style="list-style-type: none"> • Annex 10 and 18 of TM-EIAO 	<ul style="list-style-type: none"> • N/A 	Good practice measures: <ul style="list-style-type: none"> • Landing light of the helicopter would be switched on during approach and departure only and comprise a focused light used to illuminate the helipad only; • Perimeter lights on the 	<ul style="list-style-type: none"> • No adverse residual impact

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	approximately; <ul style="list-style-type: none"> Landing lights will be switched on to illuminate the helipad only during approaching and departure. The overall operation of landing lights takes 2 minutes approximately. 			helipad will be switched on during approach mode to take-off mode of the helicopter only; <ul style="list-style-type: none"> Perimeter lights will be inset into the helipad emitting upward; and Minimise the external reflectance of the noise barrier material with the use of laminated glass. 	
Water Quality Impact					
Construction Phase					
Kwun Tong Typhoon Shelter within 300m Project area	<ul style="list-style-type: none"> General construction works for the Project would be land-based only. Potential water pollution sources include: <ul style="list-style-type: none"> General construction works; Sewage; Storage of construction materials; and Use of the mechanical plants. 	<ul style="list-style-type: none"> Annexes 6 and 14 of the TM-EIAO 	<ul style="list-style-type: none"> N/A 	<ul style="list-style-type: none"> Mitigation measures and good site practices in ProPECC PN1/94 "Construction Site Drainage" 	<ul style="list-style-type: none"> No adverse residual impact

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Operation Phase					
Kwun Tong Typhoon Shelter within 300m Project area	<ul style="list-style-type: none"> The effluent from the emergency fire-fighting system in the form of foam for the worst-case scenario. 	<ul style="list-style-type: none"> Annexes 6 and 14 of the TM-EIAO 	<ul style="list-style-type: none"> N/A 	<ul style="list-style-type: none"> Automatic switching system to divert foam-based wastewater to foul water system. Discharge license for discharging from NAH. 	<ul style="list-style-type: none"> No adverse residual impact