

Appendix 18.2 Summary of Environmental Impacts

Sensitive Receivers / Assessment Points	Impact Prediction Results (Without Mitigation)	Key Relevant Standards/Criteria	Extents of Exceedance Predicted (Without Mitigation)	Impact Avoidance Measures / Mitigation Measures	Residual Impacts (After Implementation of Mitigation Measures)
Air Quality Impact					
Construction Impact					
<ul style="list-style-type: none"> Representative existing residential, commercial developments and government uses within 500m from the boundary of the Project site 	<p>The potential sources of air quality impact associated with the construction works would include excavation, material handling, spoil removal and wind erosion, as well as construction activities of other concurrent projects within 500m assessment area.</p>	<ul style="list-style-type: none"> Annexes 4 and 12 of the EIAO-TM <u>TSP</u> 1-hr average conc.: 500 µg/m³ Air Quality Objectives (AQO) <u>RSP</u> <ul style="list-style-type: none"> 24-hr average conc.: 100 µg/m³ (Number of exceedances allowed: 9) Annual average conc.: 50 µg/m³ <u>FSP</u> <ul style="list-style-type: none"> 24-hr average conc.: 50 	<ul style="list-style-type: none"> N/A 	<p>Regular watering on construction work areas, exposed surface and paved haul roads to dust suppression.</p> <p>Dust suppression measures stipulated in Air Pollution Control (Construction Dust) Regulation and good site practices listed below should be carried out to further minimise construction dust impact.</p> <ul style="list-style-type: none"> Use of regular watering to reduce dust emissions from exposed site surfaces and unpaved roads, particularly during dry weather. Use of frequent watering for particularly dusty construction areas and areas close to ASRs. Side enclosure and covering of any aggregate or dusty material storage piles to reduce emissions. Where this is not practicable owing to frequent usage, watering shall be applied to aggregate fines. For the work sites close to the ASR with a separation distance less than 5m, provide hoardings of not less than 5m high from ground level along the site boundary; for the work sites close to the ASRs with a separation distance less than 10 m, provide 	<ul style="list-style-type: none"> No residual impacts anticipated

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		<p>µg/m³ (Number of exceedances allowed: 18)</p> <ul style="list-style-type: none"> ○ Annual average conc.: 25 µg/m³ 		<p>hoardings of not less than 3.5 m high from ground level along the site boundary; for the other work sites, provide hoarding not less than 2.4m high from ground level along site boundary except for site entrance or exit.</p> <ul style="list-style-type: none"> ● Avoid position of material stockpiling areas, major haul roads and dusty works within the construction site close to concerned ASRs. ● Avoid unnecessary exposed earth. ● Locate all the dusty activities away from any nearby ASRs as far as practicable. ● Open stockpiles shall be avoided or covered. Where possible, prevent placing dusty material storage piles near ASRs. ● Tarpaulin covering of all dusty vehicle loads transported to, from and between site locations. ● Establishment and use of vehicle wheel and body washing facilities at the exit points of the site. ● Where possible, routing of vehicles and positioning of construction plant should be at the maximum possible distance from ASRs. ● Imposition of speed controls for vehicles on site haul roads. ● Instigation of an environmental monitoring and auditing program to monitor the construction process in 	

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				order to enforce controls and modify method of work if dusty conditions arise.	
Operation Impact					
<ul style="list-style-type: none"> Existing and planned residential, commercial developments and government uses within 500m from the boundary of the Project site 	<p><u>Air Quality Impact</u></p> <p><u>Year 2031</u></p> <p><u>NO₂</u></p> <ul style="list-style-type: none"> 19th highest 1-hr average conc.: 105 – 154 µg/m³ Annual average conc.: 11 – 33 µg/m³ <p><u>RSP</u></p> <ul style="list-style-type: none"> 10th highest 24-hr average conc: 68 – 72 µg/m³ Annual average: 27 – 29 µg/m³ <p><u>FSP</u></p> <ul style="list-style-type: none"> 19th highest 24-hr average conc: 35 – 39 µg/m³ Annual average: 15 – 17 µg/m³ <p><u>Year 2034</u></p> <p><u>NO₂</u></p> <ul style="list-style-type: none"> 19th highest 1-hr average conc.: 108 – 168 µg/m³ Annual average conc.: 11 – 32 µg/m³ <p><u>RSP</u></p> <ul style="list-style-type: none"> 10th highest 24-hr average conc: 68 	<ul style="list-style-type: none"> AQO <p><u>NO₂</u></p> <ul style="list-style-type: none"> 1-hr average conc.: 200 µg/m³ (Number of exceedances allowed: 18) Annual average conc.: 40 µg/m³ <p><u>RSP</u></p> <ul style="list-style-type: none"> 24-hr average conc.: 100 µg/m³ (Number of exceedances allowed: 9) Annual average conc.: 50 µg/m³ <p><u>FSP</u></p> <ul style="list-style-type: none"> 24-hr average 	<p><u>NO₂, RSP and FSP</u></p> <ul style="list-style-type: none"> No exceedance was predicted 	<ul style="list-style-type: none"> No mitigation measure is required. 	<ul style="list-style-type: none"> No residual impacts anticipated

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	<p>– 72 µg/m³</p> <ul style="list-style-type: none"> • Annual average: 27 – 29 µg/m³ <p><u>FSP</u></p> <ul style="list-style-type: none"> • 19th highest 24-hr average conc: 35 – 39 µg/m³ • Annual average: 15 - 17 µg/m³ <p><u>Year 2039</u></p> <p><u>NO₂</u></p> <ul style="list-style-type: none"> • 19th highest 1-hr average conc.: 107 – 172 µg/m³ • Annual average conc.: 10 – 30 µg/m³ <p><u>RSP</u></p> <ul style="list-style-type: none"> • 10th highest 24-hr average conc: 67 – 72 µg/m³ • Annual average: 27 – 29 µg/m³ <p><u>FSP</u></p> <ul style="list-style-type: none"> • 19th highest 24-hr average conc: 34 – 38 µg/m³ • Annual average: 15 – 17 µg/m³ 	<p>conc.: 50 µg/m³ (Number of exceedances allowed: 18)</p> <ul style="list-style-type: none"> ○ Annual average conc.: 25 µg/m³ 			

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	<p><u>Odour Impact</u> < 5 odour units based on an averaging time of 5 seconds for planned RTS, EPP and SPSSs, except at existing ASRs A26 and A33</p>	<ul style="list-style-type: none"> Annex 4 of EIAO-TM 5 odour units based on an averaging time of 5 seconds 	<ul style="list-style-type: none"> Potential odour exceedances were predicted at two existing ASRs A26 and A33 for a short duration of time (up to 0.89% and 6.00% of time in a year) during operation phase of the Project. 	<ul style="list-style-type: none"> Specific building considerations has been incorporated in the assessment and are recommended to be implemented in the future designs. Fresh air intakes at Site G.5.8, G.5.9, G.5.10, G.5.11, G.5.12 and OU(I&T)3.1.8 should be positioned 20mAG or above. Air sensitive use lower than 20mAG should be avoid at these sites. School blocks at Site E.5.1 and E.5.2 should be positioned away from the exceedance area. 	<ul style="list-style-type: none"> The Project would only contribute less than 0.02 OU/m³ and less than 0.07 OU/m³ at A26 and A33 respectively, less than 0.1 OU/m³. The Project will bring improvement in odour impact on the existing ASRs with exceedance of odour criterion. It is therefore concluded that there is no adverse residual odour impact arising from the Project.
Noise Impact					
Construction Airborne Noise Impact					
<ul style="list-style-type: none"> Representative residential uses, education institution, place of public worship, barracks and noise sensitive temporary structures within 300m from the boundary of the 	<ul style="list-style-type: none"> 60 – 93 dB(A) 	<ul style="list-style-type: none"> Annexes 5 and 13 of the EIAO-TM Leq_(30 min) 75dB(A) at 1m from the façade of residential dwellings, place of public worship, 	<ul style="list-style-type: none"> Exceedance of the noise criteria by up to 18 dB(A) 	<ul style="list-style-type: none"> Use of Quality Powered Mechanical Equipment Use of Movable Noise Barrier, Purpose-built Noise Barrier, Noise Insulating Fabric and Noise Enclosure Sequencing Operation of Construction Activities at critical works area Reduction of PME at critical works 	<ul style="list-style-type: none"> No residual impacts anticipated

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Project Site		barracks and noise sensitive temporary structures <ul style="list-style-type: none"> • Leq_(30 min) 70dB(A) at 1m from the façade of Educational Institutions and 65 dB(A) during examinations 		area <ul style="list-style-type: none"> • Avoid carrying out particularly noisy construction activities during examination periods • Use of Quieter Construction Methods such as silent piling by press-in method, bursting system and quieter type blade saw. • Good site practices <ul style="list-style-type: none"> - Only well-maintained plant should be operated on site and plant should be serviced regularly. - Silencers or mufflers on construction plant should be utilised and should be properly maintained. - Mobile plant should be sited as far away from sensitive uses as possible. - Machines and plant that may be in intermittent use should be shut down between works periods or should be throttled down to a minimum. - Plant known to emit noise strongly in one direction should, where possible, be orientated so that noise is directed away from the nearby sensitive uses. - Material stockpiles and other structures should be effectively 	

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				utilized to screen noise from on-site construction activities.	
Operation Impact					
<ul style="list-style-type: none"> Representative existing residential uses, educational institutions, place of public worship, barracks, noise sensitive temporary structures and planned residential developments within 300m from the boundary of the Project Site 	<p><u>Road Traffic Noise Impact</u></p> <ul style="list-style-type: none"> Predicted overall noise levels: up to 84 dB(A) Predicted road traffic noise levels of the Project roads: up to 83 dB(A) <p><u>Fixed Noise Sources Impact</u></p> <ul style="list-style-type: none"> Predicted noise level: 27 – 56 dB(A) Maximum allowable SWL: 59 – 109 dB(A) 	<p><u>Road Traffic Noise</u></p> <ul style="list-style-type: none"> Annexes 5 and 13 of the EIAO-TM EIAO-GN 12/2010 L_{10(1 hour)} 70dB(A) at 1m from the façade of residential dwellings / noise sensitive temporary structures L_{10(1 hour)} 70dB(A) at 1m from the façade of barracks L_{10(1 hour)} 65dB(A) at 1m from the façade of educational institute and place of public 	<p><u>Road Traffic Noise</u></p> <ul style="list-style-type: none"> Exceedance of the noise criteria by up to 14 dB(A) <p><u>Fixed Noise Sources Impact</u></p> <ul style="list-style-type: none"> No exceedance predicted. 	<p><u>Road Traffic Noise</u></p> <ul style="list-style-type: none"> Provision of low noise road surfacing (LNRS) Provision of vertical barrier and cantilever noise barriers on Project Road sections. Provision of at-receiver mitigation measures such as acoustic window / acoustic balcony. <p><u>Fixed Noise Sources Impact</u></p> <ul style="list-style-type: none"> No mitigation measure required. If the future fixed noise source will exceed the specified maximum SWLs as shown in Table 4.24 in the EIA report, the relevant government department / future operator shall install acoustic silencers, noise barrier or acoustic enclosure to ensure the noise compliance of the fixed noise source. The relevant government department/future operator shall also take into account the latest available information at the 	<ul style="list-style-type: none"> No residual impacts anticipated.

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		worship <u>Fixed Noise Sources Impact</u> <ul style="list-style-type: none"> Annexes 5 and 13 of the EIAO-TM Appropriate ANL -5 dB(A) as shown in Table 2 of IND-TM or the prevailing background noise level 		time of detailed design to review and update the maximum allowable SWL as appropriate. Noise commissioning test for fixed noise sources will be carried out by relevant government departments/ future operators before operation of fixed noise sources.	
Water Quality Impact					
Construction Impact					
<ul style="list-style-type: none"> Representative water sensitive receivers in the vicinity of the Project and within 500m from the boundary of the Project, covers the Deep Bay WCZ as designated under the WPCO 	The potential sources of water quality impact associated with the construction works would include: <ul style="list-style-type: none"> General construction activities; Construction site run-off; Construction works near watercourses; Construction works in watercourses; Removal or diversion of watercourses; Removal or filling of ponds and wet areas; Accidental spillage; 	<ul style="list-style-type: none"> Annexes 6 and 14 of the EIAO-TM Water Quality Objectives for the Deep Bay WCZ Technical Memorandum on Standards for Effluents Discharged into Drainage and Sewerage Systems, Inland and Coastal 	<ul style="list-style-type: none"> N/A 	<ul style="list-style-type: none"> Mitigation measures and good site practices in ProPECC PN 2/23 “Construction Site Drainage” Waste Disposal Ordinance Provision of temporary sanitary facilities, such as chemical toilets, for construction workforce Precaution measures in ETWB Technical Circular (Works) No. 5/2005 Groundwater infiltration minimisation strategies and post-grouting Proper interception and treatment of contaminated site runoff and wastewater from land 	<ul style="list-style-type: none"> No residual impacts anticipated

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	<ul style="list-style-type: none"> Sewage from construction workforce; and Groundwater from contaminated areas, contaminated site run-off and wastewater from land decontamination. 	<ul style="list-style-type: none"> Waters (TM-DSS) Practical Note for Professional Persons (ProPECC) PN 1/23 and 2/23 Hong Kong Planning Standards and Guidelines Environmental, Transport and Works Bureau (ETWB) Technical Circular (Works) No. 5/2005 		<ul style="list-style-type: none"> decontamination in compliance with the TM-DSS Proper treatment or recharge of contaminated groundwater in compliance with the TM-DSS 	
Operation Impact					
<ul style="list-style-type: none"> Representative water sensitive receivers in the vicinity of the Project and within 500m from the boundary of the Project, covers the Deep Bay WCZ as designated under the WPCO 	Potential water quality impacts associated with the operation phase include: <ul style="list-style-type: none"> Sewage Disposal Strategy for the New Developments; Emergency Discharge from the New STLMC EPP; Sewage and Sewerage System; Emergency Discharge from Sewage Pumping Stations (SPSs); Treated Effluent Reuse; 	<ul style="list-style-type: none"> Annexes 6 and 14 of the EIAO-TM Water Quality Objectives for the Deep Bay WCZ Technical Memorandum on Standards for Effluents Discharged into 	<ul style="list-style-type: none"> N/A 	<ul style="list-style-type: none"> Provide back-up power for dual power supply in case of power failure to sustain the function of pumping and treatment facilities at the EPP and SPS. Provision of standby unit for all major equipment in case of break down / emergency at the EPP and SPS. Regular maintenance and checking of plant equipment. Emergency Response Plan / Contingency Plan 	<ul style="list-style-type: none"> No adverse residual impacts anticipated

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	<ul style="list-style-type: none"> Surface Run-off from New Developments; Changes of Hydrology and Potential Flooding Risk Revitalisation and Greening of Drainage Channel Banks; Maintenance flushing for RWSR; Maintenance flushing for FWSR; Potential Impact from Refuse Transfer Stations and RCPs Spent Effluent from DCS; and Maintenance of Drainage System. 	<ul style="list-style-type: none"> Drainage and Sewerage Systems, Inland and Coastal Waters (TM-DSS) ProPECC PN 1/23 ETWB TC (Works) No. 14/2004 Guidelines for the Design of Small Sewage Treatment Plant 		<ul style="list-style-type: none"> Follow ETWB TC (Works) No. 14/2004 Maintenance of Stormwater Drainage Systems and Natural Watercourse 	
Sewerage and Sewage Treatment Implications					
<ul style="list-style-type: none"> Existing and planned sewerage system, sewage treatment and disposal facilities 	<ul style="list-style-type: none"> Increase in sewage discharge arising from the population Odour impact 	<ul style="list-style-type: none"> EPD Report No. EPD/TP 1/05 Guidelines for Estimating Sewage Flows (GESF) for Sewerage Infrastructure Planning Version 1.0 DSD Sewage Manual Part 1 (Key Planning Issues and Gravity Collection 	<ul style="list-style-type: none"> N/A 	<ul style="list-style-type: none"> Enclose the pumping station inside building structure with odour control measures such as scrubber and activated charcoal filter at the exhaust of the ventilation system 	<ul style="list-style-type: none"> N/A

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		System) <ul style="list-style-type: none"> Annex 14 of EIAO-TM 			
Waste Management Implications					
Construction Impact					
<ul style="list-style-type: none"> N/A 	<ul style="list-style-type: none"> Around 97,200 m³ of non-inert C&D materials and 10,337,500 m³ of inert C&D materials will be generated from site clearance, site formation works, construction of new buildings and infrastructures. Chemical wastes will be generated from Building demolition, plant operation and maintenance of mechanical equipment, at a few cubic metres per month. Around 1,950 kg per day of general refuse will be generated from construction works and site- based staff and workers Small amount of excavated sediment from pond excavation works Insignificant amount of floating refuse from construction activities along river channels or water bodies 	<ul style="list-style-type: none"> Annexes 7 and 15 of the EIAO-TM Waste Disposal Ordinance (Cap. 354) Waste Disposal (Chemical Waste) (General) Regulation (Cap. 354C) Waste Disposal (Charges for Disposal of Construction Waste) Regulation (Cap. 354N) Land (Miscellaneous Provisions) Ordinance (Cap. 28) Public Health 	<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 Careful design, planning and good site management to reduce generation of C&D materials Monitoring of disposal of C&D waste with trip-ticket system and installing CCTV on site Precautionary measures for handling and disposal of asbestos containing materials 	<ul style="list-style-type: none"> No residual impact anticipated

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		and Municipal Services Ordinance (Cap. 132BK) – Public Cleansing and Prevention of Nuisances Regulation <ul style="list-style-type: none"> • Air Pollution Control Ordinance (APCO) 			
Operation Impact					
<ul style="list-style-type: none"> • N/A 	<ul style="list-style-type: none"> • Small quantity of chemical wastes in the order of a few cubic metres per month will be generated from public facilities and maintenance of equipment • More than 500 tonnes per day of municipal solid waste • About 160 m³/day of sewage sludge and 22 m³/day of screening and grits will be generated from the EPP 	<ul style="list-style-type: none"> • Annexes 7 and 15 of the EIAO-TM • Waste Disposal Ordinance (Cap. 354) • Waste Disposal (Chemical Waste) (General) Regulation (Cap. 354C) • Public Health and Municipal Services Ordinance (Cap. 132BK) – Public Cleansing and Prevention of 	<ul style="list-style-type: none"> • N/A 	<ul style="list-style-type: none"> • Implementation of waste reduction measures and proper storage, collection and transport of waste 	<ul style="list-style-type: none"> • No residual impact anticipated

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		Nuisances Regulation			
Land Contamination					
<ul style="list-style-type: none"> Future occupants 	<ul style="list-style-type: none"> A total of 195 potentially contaminated sites are currently used as container storage, equipment/machinery storage; recycling facilities, vehicle repair/maintenance workshops, diesel refuelling, waste dumping ground, metal workshops etc. 	<ul style="list-style-type: none"> Annex 19 of the EIAO-TM Guidance Note for Contaminated Land Assessment and Remediation (EPD, Revised in April 2023) Practice Guide for Investigation and Remediation of Contaminated Land (EPD, Revised in April 2023) Guidance Manual for Use of Risk-based Remediation Goals for Contaminated Land Management (EPD, Revised in April 2023) 	<ul style="list-style-type: none"> N/A 	<ul style="list-style-type: none"> The Project Proponent shall carry out site investigation and sampling works in accordance with the Contamination Assessment Plan for 9 potential contaminated sites with detail site reconnaissance at a later stage. Recommended works include: site re-appraisal, SI works as well as submission of supplementary Contamination Assessment Plan(s) (CAP(s)), Contamination Assessment Report(s) (CAR(s)) and Remediation Action Plan(s) (RAP(s)) for the EPD's approval after the sites are handed over to project proponent for development. If contaminated soil and/or groundwater were identified, remediation should be carried out according to EPD's approved RAP(s) and Remediation Report(s) (RR(s)) should be submitted to EPD for agreement after completion of the remediation works. No development works shall be commenced prior to EPD's agreement of the RR(s). Any soil / groundwater contamination would be identified and properly treated prior to the construction works. 	<ul style="list-style-type: none"> No residual impact anticipated.

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<ul style="list-style-type: none"> Future occupants 	<ul style="list-style-type: none"> High levels of naturally occurring arsenic in soil is confirmed by ground investigation works. 	<ul style="list-style-type: none"> Previous EIA Report (AEIAR-175/2013 – North East New Territories New Development Areas) Guidance Note for Contaminated Land Assessment and Remediation (EPD, Revised in April 2023) Practice Guide for Investigation and Remediation of Contaminated Land (EPD, Revised in April 2023) Guidance Manual for Use of Risk-based Remediation Goals for Contaminated Land Management (EPD, Revised in April 2023) 	<ul style="list-style-type: none"> N/A 	<ul style="list-style-type: none"> Further arsenic assessment and a detailed treatment approach has been proposed based on the Revised RODP. 	<ul style="list-style-type: none"> No residual impact anticipated.

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Landfill Gas Hazard					
Construction Impact					
<ul style="list-style-type: none"> Onsite construction workers 	<ul style="list-style-type: none"> Quantitative landfill gas hazard is conservatively assessed as “Very Low” risk for construction phase based on the source, pathway and target risk categories for the proposed development located within the Consultation Zone of the Ngau Tam Mei Landfill. 	<ul style="list-style-type: none"> Annex 7 & 19 of the EIAO-TM Landfill Gas Hazard Assessment Guidance Note 	<ul style="list-style-type: none"> N/A 	<ul style="list-style-type: none"> No precautionary measures are required 	<ul style="list-style-type: none"> No residual impact anticipated.
Operation Impact					
<ul style="list-style-type: none"> Future occupants 	<ul style="list-style-type: none"> Quantitative landfill gas hazard is conservatively assessed as “Low” for operation phase based on the source, pathway and target risk categories for the proposed development located within the Consultation Zone of the Ngau Tam Mei Landfill. 	<ul style="list-style-type: none"> Annex 7 & 19 of the EIAO-TM Landfill Gas Hazard Assessment Guidance Note 	<ul style="list-style-type: none"> N/A 	<ul style="list-style-type: none"> Generic measures may be limited to passive gas control such as provision of barriers to the movement of gas or high permeability vents such as no-fines gravel in trenches between the landfill and development. The designer of the building works should undertake detailed design of the mitigation measures during the detailed design stage. 	<ul style="list-style-type: none"> No residual impact anticipated.
Ecological Impact (Terrestrial and Aquatic)					
Construction Impact					
<ul style="list-style-type: none"> Recognised Sites of Conservation Importance Wetland Habitats (e.g. ponds, marsh / reed, 	<ul style="list-style-type: none"> Major permanent loss of wetland habitats (ponds and other freshwater wetland habitats) Permanent loss of woodland habitat Fragmentation of terrestrial habitats Potential direct Impact on egret 	<ul style="list-style-type: none"> Annexes 8 and 16 of the EIAO-TM EIAO Guidance Notes Nos. 3/2010, 6/2010, 	<ul style="list-style-type: none"> N/A 	<ul style="list-style-type: none"> Enhancement measure at Deep Bay and wetland enhancement in the proposed SPS WCP Avoided loss of woodland at Pang Loon Tei Off-site woodland compensation 	<ul style="list-style-type: none"> No adverse residual impact anticipated

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<ul style="list-style-type: none"> • watercourses) • Other terrestrial habitats (e.g. woodland) • Egrettries, Night Roosts, and Flight Paths • Wildlife (including flora and fauna species of conservation importance) 	<ul style="list-style-type: none"> • and roosting sites • Potential obstruction of major flight paths • Direct impact on species of conservation importance and associated habitats • Potential direct injury / mortality of wildlife species • Indirect disturbance impact (e.g. air quality, noise, light pollution, high-rise building, traffic and visual) on sites of conservation importance, natural habitats and associated wildlife in the vicinity 	<ul style="list-style-type: none"> • 7/2010 and 10/2010 		<ul style="list-style-type: none"> • Minimisation of direct encroachment, pre-construction survey and establishing buffer area for both MPLV and MPV Egrettries • Seasonal control of construction works at egrettries and night roosts • Pre-construction survey, re-provision of roosting substratum for night roosts and establishing buffer area • Pre-construction survey and transplantation / translocation, and nest control measures for species of conservation importance • Establishment of hoarding and regular auditing • Using non-transparent panels for noise enclosure, adopting non-glaring tinted materials, or superimposing dark patterns at the majority of glazing along barriers and structures • Good site practices with mitigation measures for noise, dust, water quality impacts 	
Operation Impact					
<ul style="list-style-type: none"> • Recognised Sites of Conservation Importance • Wetland Habitats (e.g. ponds, marsh / reed, 	<ul style="list-style-type: none"> • Disturbance impacts (e.g. air quality, noise, light pollution, high-rise building, traffic and visual) to the site of conservation importance, natural habitats and associated wildlife in the vicinity 	<ul style="list-style-type: none"> • Same as construction phase 	<ul style="list-style-type: none"> • N/A 	<ul style="list-style-type: none"> • Wetland enhancement in the proposed SPS WCP • Establishment of Open Space around MPLV Egretty with enhancement measures • Provision of NBA and eco-interface 	<ul style="list-style-type: none"> • No adverse residual impact anticipated

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watercourses) <ul style="list-style-type: none"> Other terrestrial habitats (e.g. woodland) Egretries, Night Roosts, and Flight Paths 	<ul style="list-style-type: none"> Potential obstruction of flight path Bird collision with man-made structures 			and landscape buffer along the edge of the Sam Po Shue WCP with stepped building height towards to the wetland to minimise disturbances to the wetlands concerned <ul style="list-style-type: none"> Provision of NBA with stepped building height to preserve birds' flight paths to/from the MPLV Egretty and MPV Egretty and the east-west birds' flight corridor in the northern part of the Project Area Provision of wildlife corridors Using non-transparent panels for noise enclosure, adopting non-glaring tinted materials, or superimposing dark patterns at the majority of glazing along barriers and structures Greening opportunity on buildings such as green façades and green roofs 	
Fisheries Impact					
<ul style="list-style-type: none"> Pond Culture Fisheries (aquaculture activities & fisheries production) 	<ul style="list-style-type: none"> Direct loss of active fishponds and inactive fishponds Secondary Impact from wetland compensation 	<ul style="list-style-type: none"> EIAO-TM Annexes 9 & 17 Water Pollution Control Ordinance (Cap. 358) 	<ul style="list-style-type: none"> N/A 	<ul style="list-style-type: none"> Fisheries enhancement area Fisheries Research Centre Improving fisheries production by incorporating modernised aquaculture and innovative technological advancement for fisheries management 	<ul style="list-style-type: none"> No residual impact anticipated
Cultural Heritage Impact					
Construction Impact					

Sensitive Receivers / Assessment Points	Impact Prediction Results (Without Mitigation)	Key Relevant Standards/Criteria	Extents of Exceedance Predicted (Without Mitigation)	Impact Avoidance Measures / Mitigation Measures	Residual Impacts (After Implementation of Mitigation Measures)
<ul style="list-style-type: none"> Cultural heritage and other identified items 	<ul style="list-style-type: none"> Indirect impacts of ground-borne vibration, settlement and tilting would be anticipated on a grade 3 historic building, namely Entrance Gate, Enclosing Walls and Shrine, Yan Shau Wai (HBN186). For other identified items, indirect impacts of ground-borne vibration, settlement and tilting would be anticipated on seven (7) non-building structures, namely Gurkha Cemetery (BH03), Mans' Boundary Stone (BH06), Grave of Man Lun Fung ("麒麟吐玉書") (BH07), Grave of Man Chung Luen (BH08), Grave of Man Chu Shui (BH10), Grave of Mrs Man Leung (BH11) and Grave of Chong Yin Kei (BH12), as well as two (2) buildings, namely, Yeung Hau Temple (San Tin) (MPT01) and Structure between No. 5 and No. 7, Shek Wu Wai (SWW01). Direct impact would be anticipated to Tin Tak Heroes Temple (MPL01), Mai Po Lung Vegetable Marketing Co-operative Society Ltd. (MPL02), Sun Tin Vegetable Marketing Co-operative Society Ltd. (SHT01). Direct impact would be anticipated to seven (7) archaeologically sensitive areas (ASA), namely Hop 	<ul style="list-style-type: none"> EIAO-TM Annexes 10 and 19 Guidelines for Cultural Heritage Impact Assessment Antiquities and Monuments Ordinance (A&MO) (Cap.53) Buildings Ordinance 	<ul style="list-style-type: none"> N/A 	<p><u>Monitoring of vibration, settlement and tilting</u></p> <ul style="list-style-type: none"> Monitoring of vibration, settlement and tilting incorporated with a set of Alert, Alarm and Action (3As) system shall be employed for Entrance Gate, Enclosing Walls and Shrine, Yan Shau Wai (HBN186) (grade 3 historic building) during the construction phase. Monitoring proposal should be submitted to AMO and relevant stakeholder(s) for consideration before commencement of works. Records of monitoring should be submitted regularly to AMO. AMO should be alerted in case any irregularities are observed. <p><u>Baseline condition survey and baseline vibration impact assessment</u></p> <ul style="list-style-type: none"> Baseline condition survey and baseline vibration impact assessment should be conducted for the seven (7) non-building structures by a qualified building surveyor or qualified structural engineer during pre-construction stage of the proposed developments. Survey results shall be submitted to AMO for record. <p><u>Monitoring of vibration, settlement and</u></p>	<ul style="list-style-type: none"> No residual impact anticipated

Sensitive Receivers / Assessment Points	Impact Prediction Results (Without Mitigation)	Key Relevant Standards/Criteria	Extents of Exceedance Predicted (Without Mitigation)	Impact Avoidance Measures / Mitigation Measures	Residual Impacts (After Implementation of Mitigation Measures)
	<p>Shing Wai ASA, Mai Po ASA, Mai Po Lung (South) ASA, Shek Wu Wai ASA, Siu Hum Tsuen (West) ASA, Siu Hum Tsuen (East) ASA and Pang Loon Tei ASA.</p> <ul style="list-style-type: none"> Mai Po Lung (North) ASA is reserved as an egretty. No impact on archaeology is anticipated, no mitigation measure is required, subjected to the detailed design of this area. Should construction works involving soil disturbance are anticipated during the detailed design stage, project proponent should review the impact assessment and propose adequate mitigation measures to AMO for approval. 			<p><u>tilting</u></p> <ul style="list-style-type: none"> Monitoring of vibration, settlement and tilting incorporated with a set of Alert, Alarm and Action (3As) system shall be employed for other identified items including seven (7) non-building structures and two (2) buildings during the construction phase under Buildings Ordinance. The actual 3As criteria shall be further confirmed via an assessment on the effects of ground-borne vibrations, settlements and tilting on these items. Prior agreement and consent should be sought from the owner(s), stakeholder(s) and relevant Government department(s) for the installation of monitoring points on the building before commencement of the works. Record of monitoring should be submitted regularly to the Buildings Department during the construction under Buildings Ordinance. Buildings Department should be alerted in case any irregularities are observed. <p><u>Safe Access</u></p> <ul style="list-style-type: none"> A safe access route shall be maintained for visitors during the construction stage for Yeung Hau Temple (San Tin) (MPT01), Gurkha Cemetery (BH03), Grave of Man Lun 	

Sensitive Receivers / Assessment Points	Impact Prediction Results (Without Mitigation)	Key Relevant Standards/Criteria	Extents of Exceedance Predicted (Without Mitigation)	Impact Avoidance Measures / Mitigation Measures	Residual Impacts (After Implementation of Mitigation Measures)
				<p>Fung ("麒麟吐玉書") (BH07), Grave of Man Chung Luen (BH08), Grave of Man Chu Shui (BH10) and Grave of Mrs Man Leung (BH11).</p> <p><u>Protective Barrier</u></p> <ul style="list-style-type: none"> Physical protective barriers/ covers or intervention/cushioning materials, including but not limited to covering or sheltering, shall be provided during the proposed construction works to separate the works areas from Yeung Hau Temple (San Tin) (MPT01). No piling works shall be allowed within the protective zone. No worker or any construction related equipment(s) and material(s) should trespass the protective zone. The contractor should propose the actual extent of the protective zone and suitable protective covering materials to the satisfaction of AMO prior to the commencement of the proposed construction works. <p><u>Dust Suppression</u></p> <ul style="list-style-type: none"> Implementation of mitigation measures in the Air Pollution Control (Construction Dust) Regulation, dust suppression measures and good site practice should be observed by the project proponent during the construction phase in order to avoid 	

Sensitive Receivers / Assessment Points	Impact Prediction Results (Without Mitigation)	Key Relevant Standards/Criteria	Extents of Exceedance Predicted (Without Mitigation)	Impact Avoidance Measures / Mitigation Measures	Residual Impacts (After Implementation of Mitigation Measures)
				<p>dust accumulation on the Yeung Hau Temple (San Tin) (MPT01) and Grave of Chong Yin Kei (BH12).</p> <p><u>Cartographic and Photographic Record</u></p> <ul style="list-style-type: none"> • Cartographic and photographic records, and other documentation means (such as 3D scanning or photogrammetry), on the Tin Tak Heroes Temple (MPL01), Mai Po Lung Vegetable Marketing Co-operative Society Ltd. (MPL02), Sun Tin Vegetable Marketing Co-operative Society Ltd. (SHT01) should be conducted before any works to commence. A copy of the documentation should be provided to AMO for record. <p><u>Archaeological Watching Brief</u></p> <ul style="list-style-type: none"> • Archaeological Watching Brief is recommended to be carried out in Shek Wu Wai ASA and Mai Po Lung (South) ASA should works involve soil disturbance occurred (such as site formation) during the construction phase. • The scope, methodology and programme of the archaeological survey shall be agreed with AMO. <p><u>Further Archaeological Survey</u></p> <ul style="list-style-type: none"> • Further archaeological survey is required at later stage after land resumption but before site formation 	

Sensitive Receivers / Assessment Points	Impact Prediction Results (Without Mitigation)	Key Relevant Standards/Criteria	Extents of Exceedance Predicted (Without Mitigation)	Impact Avoidance Measures / Mitigation Measures	Residual Impacts (After Implementation of Mitigation Measures)
				for these areas with archaeological potential, namely Hop Shing Wai ASA, Mai Po ASA, Siu Hum Tsuen (West) ASA, Siu Hum Tsuen (East) ASA and Pang Loon Tei ASA. <ul style="list-style-type: none"> The scope, methodology and programme of the archaeological survey shall be agreed with AMO. <u>Precautionary Measure</u> <ul style="list-style-type: none"> If antiquities or supposed antiquities under the Antiquities and Monuments Ordinance (Cap. 53) are discovered, the project proponent is required to inform AMO immediately for discussion of appropriate mitigation measures to be agreed by AMO before implementation by the project proponent to the satisfaction of AMO. 	
Operation Impact					
<ul style="list-style-type: none"> Cultural heritage and other identified items 	<ul style="list-style-type: none"> No adverse impact would be anticipated on both built heritages, other identified items and archaeology during the operation phase. 	<ul style="list-style-type: none"> EIAO-TM Annexes 10 and 19 Guidelines for Cultural Heritage Impact Assessment 	<ul style="list-style-type: none"> N/A 	<ul style="list-style-type: none"> No mitigation measure would be required 	<ul style="list-style-type: none"> No residual impact anticipated
Landscape and Visual Impacts					
Construction Impact					
<ul style="list-style-type: none"> Landscape Resources (LRs) 	<ul style="list-style-type: none"> Insubstantial impact on Ponds near Ngau Tam Mei (LR3.3), Natural 	<ul style="list-style-type: none"> Annexes 10 and 18 of the EIAO- 	<ul style="list-style-type: none"> N/A 	<ul style="list-style-type: none"> Preservation of existing vegetation Transplantation of existing trees 	<ul style="list-style-type: none"> Insubstantial residual impact on

Sensitive Receivers / Assessment Points	Impact Prediction Results (Without Mitigation)	Key Relevant Standards/Criteria	Extents of Exceedance Predicted (Without Mitigation)	Impact Avoidance Measures / Mitigation Measures	Residual Impacts (After Implementation of Mitigation Measures)
	<p>Watercourse (LR4)</p> <ul style="list-style-type: none"> Slight impact on modified watercourse (LR5), plantation on slope (LR12.1), shrubland (LR13), and grassland (LR14) Moderate impact on Marsh/ Reedbed (LR1), Compensatory wetland (LR2), Semi-Natural Watercourse (LR6), Seasonal Wet Grassland (LR7), Woodland (LR10), Mixed Woodland (LR11), Plantation along roadside (LR12.2), Village/ Orchard (LR15), Vegetation in developed (Including residential area and man-made structure) (LR16), Vegetation in Waste land/open storage/ temporary area (LR17) Substantial impact on Ponds around San Tin and Sam Po Shue (LR3.1), Ponds around Siu Hum Tsuen and Shek Wu Wai San Tsuen (LR3.2), Wet Agricultural Land (LR8), Dy Agricultural Land (LR9) 	<p>TM</p> <ul style="list-style-type: none"> EIAO-GN 8/2010 (Preparation of LVIA under the Environmental Impact Assessment Ordinance) 		<ul style="list-style-type: none"> Reinstatement of temporarily disturbed landscape areas Minimising disturbance on watercourses Minimising topographical changes Construction of decorative hoarding around construction works Advancing planting of screen planting Management of construction activities and facilities Creating interface between ponds, wetland and the proposed Project 	<p>LR3.3, LR4</p> <ul style="list-style-type: none"> Slight residual impact on LR5, LR12.1, LR13, LR14 Moderate residual impact on LR1, LR2, LR6, LR7, LR10, LR11, LR12.2, LR15, LR16, LR17 Substantial residual impact on LR3.1, LR3.2, LR8, LR9
<ul style="list-style-type: none"> Landscape Character Areas (LCAs) 	<ul style="list-style-type: none"> Insubstantial impact on Institutional Landscape (LCA8) Slight impact on Urban Peripheral Village Landscape (LCA5), Miscellaneous Rural Fringe Landscape (LCA6), Comprehensive Residential Development (LCA7), Transportation Corridor Landscape (LCA9) 	<ul style="list-style-type: none"> Annexes 10 and 18 of the EIAO-TM EIAO-GN 8/2010 (Preparation of LVIA under the Environmental Impact Assessment Ordinance) 	<ul style="list-style-type: none"> N/A 	<ul style="list-style-type: none"> Preservation of existing vegetation Transplantation of existing trees Reinstatement of temporarily disturbed landscape areas Minimising disturbance on watercourses Minimising topographical changes 	<ul style="list-style-type: none"> Insubstantial residual impact on LCA8 Slight residual impact on LCA5, LCA6, LCA7, LCA9 Moderate residual impact on LCA1,

Sensitive Receivers / Assessment Points	Impact Prediction Results (Without Mitigation)	Key Relevant Standards/Criteria	Extents of Exceedance Predicted (Without Mitigation)	Impact Avoidance Measures / Mitigation Measures	Residual Impacts (After Implementation of Mitigation Measures)
	<ul style="list-style-type: none"> Moderate impact on Settled Valley Landscape (LCA1), Upland And Hillside Landscape (LCA2), Miscellaneous Urban Fringe Landscape (LCA10) Substantial impact on Rural Inland Plain Landscape (LCA4), Rural Coastal Plain Landscape (LCA3) 	<ul style="list-style-type: none"> Assessment Ordinance) 		<ul style="list-style-type: none"> Construction of decorative hoarding around construction works Advancing planting of screen planting Management of construction activities and facilities Creating interface between ponds, wetland and the proposed project 	<ul style="list-style-type: none"> LCA2 and LCA10 Substantial residual impact on LCA3, LCA4
<ul style="list-style-type: none"> Visually Sensitive Receivers (VSRs) 	<ul style="list-style-type: none"> Insubstantial impact on Residents of Fair View Park (R7), Residents of Proposed Kwu Tung New Town Development and Ma Tso Lung area (R8), Workers around Castle peak road (Mai Po section) (O2) Slight impact on Residents of Vineyard and low-rise residential area along Tam Mei Road (R5), Users of MTR Lok Ma Chau Station (T2), Traveler of Fan Ling Highway (T3), Workers of Open Storage/ Industrial usage of Ngau Tam Mei (O1), Industrial and potential tertiary users of Kwu Tung and Pak Shek Au (O4), Workers in open (O5), Lok Ma Chau Police Station (GIC 1) Moderate impact on Mid-rise residents of Maple Garden, Palm Springs and Royal Palm (R1), Residents of Mai Po San Tsuen, Mai Po Lo Wai (R2), Residents of Chau Tau Village ,Poon Uk Tsuen (R6), Future residents of the Loop (R9), Residents of Shek Wu Wai , 	<ul style="list-style-type: none"> Annexes 10 and 18 of the EIAO-TM EIAO-GN 8/2010 (Preparation of LVIA under the Environmental Impact Assessment Ordinance) 	<ul style="list-style-type: none"> N/A 	<ul style="list-style-type: none"> Preservation of existing vegetation Transplantation of existing trees Reinstatement of temporarily disturbed landscape areas Minimising disturbance on watercourses Management of construction activities and facilities Control of night-time lighting Construction of decorative hoarding around construction works Advancing planting of screen planting Creating interface between ponds, wetland and the proposed project 	<ul style="list-style-type: none"> Insubstantial residual impact on R4, R7, R8, O2 Slight residual impact on R5, T2, T3, O1, O4, O5, GIC 1 Moderate residual impact on R1, R2, R6, R9, R10, R11, T1, REC 2, REC 4, REC 5, REC 6, O3, O6, GIC 1, GIC 2, GIC 3 Substantial residual impact on R3, REC1, REC 3

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	recreational users of Shek Wu Wai Playground (R10), Residents of Fisherman San Tsuen (R11), Travelers of San Tin Highway (T1), Visitors of Mai Po Marsh Wetland reserve (REC 2), Park visitors of San Tin park and Man Tin Cheung Park (REC 4), Hikers of Lam Tsuen Country Park (REC 5), Future users of SPS WCP (REC 6), Farmer in Agricultural land near Lok Ma Chau Control Point (O3), Future workers of the Loop development (O6), Users of Gurkha Cemetery (GIC 2), Users of San Tin Barracks (GIC 3), Users of Tam Mei Barracks (GIC 4) <ul style="list-style-type: none"> • Substantial impact on Hikers along Ngau Tam Shan Hiking Trail (REC 1) 				
Operation Impact					
<ul style="list-style-type: none"> • Landscape Resources (LRs) 	<ul style="list-style-type: none"> • Insubstantial impact on LR2, LR3.3, LR4 • Slight impact on LR2, LR5, LR12.1, LR13, LR14 • Moderate impact on LR1, LR3.1, LR6, LR7, LR10, LR11, LR12.2, LR15, LR16, LR17 • Substantial impact on LR3.1, LR3.2, LR8, LR9 	<ul style="list-style-type: none"> • Annexes 10 and 18 of the EIAO-TM • EIAO-GN 8/2010 (Preparation of LVIA under the Environmental Impact Assessment Ordinance) 	<ul style="list-style-type: none"> • N/A 	<ul style="list-style-type: none"> • Sensitive and aesthetically pleasing design of aboveground structures • Landscape integration of build development • Provision of roadside planting/ amenity planting/ peripheral screening or planting • Provision of new tree planting • Incorporation of green roof • Watercourse impact mitigation within WCA 	<ul style="list-style-type: none"> • Insubstantial residual impact on Day 1: LR2, LR3.3, LR4, LR5, LR12.1, LR13, LR14 • Slight residual impact on Day 1: LR1, LR3.1, LR6, LR7, LR10, LR11, LR12.2, LR15, LR16, LR17 • Moderate residual

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				<ul style="list-style-type: none"> • Revitalisation and naturalisation of river to create a blue green network • Maximise greening on engineering structures and surfaces • Landscape treatment on slope • Sensitive design of landscape areas / provision of open space • Creation of landscape buffer • Watercourse impact mitigation within WCA 	<ul style="list-style-type: none"> • impact on Day 1: LR1, LR2, LR3.1, LR6, LR7, LR10, LR11, LR12.2, LR16, LR17 • Substantial residual impact on Day 1: LR3.2, LR8, LR9 • Insubstantial residual impact in Year 10: LR1, LR2, LR3.1, LR3.3, LR4, LR5, LR6, LR7, LR10, LR11, LR12.1, LR12.2, LR13, LR14, LR15, LR16, LR17 • Slight residual impact in Year 10: LR3.2, LR8, LR9
<ul style="list-style-type: none"> • Landscape Character Areas (LCAs) 	<ul style="list-style-type: none"> • Insubstantial impact on LCA8 • Slight impact on LCA5, LCA6, LCA7, LCA9, LCA10 • Moderate impact on LCA1, LCA2 • Substantial impact: LCA3, LCA4 	<ul style="list-style-type: none"> • Annexes 10 and 18 of the EIAO-TM • EIAO-GN 8/2010 (Preparation of LVIA under the Environmental Impact Assessment 	<ul style="list-style-type: none"> • N/A 	<ul style="list-style-type: none"> • Sensitive and aesthetically pleasing Design of Aboveground structures • Landscape integration of Build Development • Provision of roadside Planting/ Amenity planting/ peripheral screening or planting • Provision of new tree planting • Incorporation of Green Roof 	<ul style="list-style-type: none"> • Insubstantial residual impact on Day 1: LCA5-LCA10 • Slight residual impact on Day 1: LCA1 and LCA2 • Moderate residual impact on Day 1: LCA3 and LCA4

Sensitive Receivers / Assessment Points	Impact Prediction Results (Without Mitigation)	Key Relevant Standards/Criteria	Extents of Exceedance Predicted (Without Mitigation)	Impact Avoidance Measures / Mitigation Measures	Residual Impacts (After Implementation of Mitigation Measures)
		Ordinance)		<ul style="list-style-type: none"> • Sensitive design of noise barriers • Revitalisation and naturalisation of river to create a Blue green network • Landscape treatment on slope • Sensitive design of landscape areas / provision of Open Space • Off-site woodland compensation • Creation of landscape buffer • Stepped building height profile. • Provision of breezeway/ airpaths • Watercourse impact mitigation within WCA • Maximise greening on engineering structures and surfaces • Watercourse impact mitigation within WCA 	<ul style="list-style-type: none"> • Insubstantial residual impact in Year 10 on all LCAs except LCA3 and LCA4 where residual impact would be slight
<ul style="list-style-type: none"> • Visually Sensitive Receivers (VSRs) 	<ul style="list-style-type: none"> • Insubstantial impact on R4, R7, R8, O2, • Slight impact on R5, T3, O1, O4, O5, GIC 1 • Moderate impact on R1, R2, R6, R9, R10, R11, T1, T2, REC 2, REC 4, REC 5, REC 6, O3, O6, GIC 2, GIC 3, GIC 4 • Substantial impact on R3, REC1, REC 3 	<ul style="list-style-type: none"> • Annexes 10 and 18 of the EIAO-TM • EIAO-GN 8/2010 (Preparation of LVIA under the Environmental Impact Assessment Ordinance) 	<ul style="list-style-type: none"> • N/A 	<ul style="list-style-type: none"> • Sensitive and aesthetically pleasing Design of Aboveground structures • Landscape integration of Build Development • Provision of roadside Planting/ Amenity planting/ peripheral screening or planting • Provision of new tree planting • Incorporation of Green Roof • Sensitive design of noise barriers • Control of Night-time Lighting Glare 	<ul style="list-style-type: none"> • Insubstantial residual impact on Day 1: R4, R7, R8 • Slight residual impact on Day 1: R5, T3, O1, O4, O5, GIC 1 • Moderate residual impact on Day 1: R1, R2, R6, R9, R10, R11, T1, T2, REC 2, REC 4, REC 5, O3, O6, GIC 2, GIC 3, GIC

Sensitive Receivers / Assessment Points	Impact Prediction Results (Without Mitigation)	Key Relevant Standards/Criteria	Extents of Exceedance Predicted (Without Mitigation)	Impact Avoidance Measures / Mitigation Measures	Residual Impacts (After Implementation of Mitigation Measures)
				<ul style="list-style-type: none"> • Revitalisation and naturalisation of river to create a Blue green network • Maximise greening on engineering structures and surfaces • Landscape treatment on slope • Sensitive design of landscape areas / provision of Open Space • Off-site woodland compensation • Creation of landscape buffer • Stepped building height profile • Provision of breezeway/ airpaths • Provision of view corridor • Sensitive layout design of above-ground structures • Watercourse impact mitigation within WCA 	<p>4</p> <ul style="list-style-type: none"> • Substantial residual impact on Day 1: R3, REC1, REC 3 • Insubstantial residual impact in Year 10: R4, R7, R8, T3, O1, O2, O4, O5, GIC 1 • Slight residual impact in Year 10: R1, R5, R6, REC 2, REC 4, GIC 4 • Moderate residual impact in Year 10: R2, R10, R11, T1, T2, REC5, REC6, O3, O6, GIC2, GIC3 • Substantial residual impact in Year 10: R3, REC1, REC 3
Hazard to Life					
<ul style="list-style-type: none"> • Existing and planned population in the vicinity of the HP Gas Pipeline, EPP and the 2 GFSS 	<ul style="list-style-type: none"> • The off-site individual risk level is far below 1×10^{-5} per year, it is considered acceptable and in compliance with the relevant criterion in Annex 4 of EIAO-TM • The societal risks fall within the 	<ul style="list-style-type: none"> • Annex 4 of the EIAO-TM 	<ul style="list-style-type: none"> • N/A 	<ul style="list-style-type: none"> • No adverse impact is anticipated. Nonetheless, implementation of good safety practices and design measures for the EPP are recommended. 	<ul style="list-style-type: none"> • No residual impact anticipated

Sensitive Receivers / Assessment Points	Impact Prediction Results (Without Mitigation)	Key Relevant Standards/Criteria	Extents of Exceedance Predicted (Without Mitigation)	Impact Avoidance Measures / Mitigation Measures	Residual Impacts (After Implementation of Mitigation Measures)
	"Acceptable" region in both assessment years				
Electric and Magnetic Field					
<ul style="list-style-type: none"> Existing 400kV overhead cable 	<ul style="list-style-type: none"> Electric field strength measured ranged from 0.2 V/m to 198 V/m Magnetic flux measured ranged from 0.04 μT to 1.48 μT 	<ul style="list-style-type: none"> Hong Kong Planning Standards and Guidelines International Commission on Non-ionizing Radiation Protection (Standard for General Public Exposure: 5,000 V/m & 100 μT; Standard for Occupational Exposure 10,000 V/m & 500 μT) 	<ul style="list-style-type: none"> N/A 	<ul style="list-style-type: none"> Not necessary 	<ul style="list-style-type: none"> No residual impact anticipated