

Civil Engineering and Development  
Department

**Tung Chung New Town Extension**

Environmental Impact Assessment  
Report

219844-REP-121-03

Final | December 2015

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**Ove Arup & Partners Hong Kong Ltd**  
Level 5 Festival Walk  
80 Tat Chee Avenue  
Kowloon Tong  
Kowloon  
Hong Kong  
[www.arup.com](http://www.arup.com)

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## Nomenclature and Abbreviations

### Abbreviations (General)

Abbreviations	Description
2RS	Two-Runway System
3RS	Expansion of Hong Kong International Airport into a Three-Runway System
AAB	Antiquities Advisory Board
AADT	Annual Average Daily Traffic
AAHK	Airport Authority Hong Kong
ACE	Advisory Council on Environment
ADWF	Average Dry Weather Flow
AEL	Airport Express Line
AERMOD	AERMOD model
AFCD	Agriculture, Fisheries and Conservation Department
AIA	Archaeological Impact Assessment
AHR	Airport Height Restriction
AMO	Antiquities and Monuments Office
ANB	Absorptive Noise Barriers
ANLs	Acceptable Noise Levels
AP-42	Compilation of Air Pollution Emission Factors
APCO	Air Pollution Control Ordinance
APU	Auxiliary Power Unit
AQOs	Air Quality Objectives
ARs	Artificial Reefs
ASRs	Air Sensitive Receivers
BaP	Benzo[a]pyrene
BCF	Building Coupling Factor
BH	Building Height
BHR	Building Height Restriction
BIMP	Marine Park in the Brothers Islands
BOD	Biological Oxygen Demand
BVR	Building Vibration Response
C&D	Construction and Demolition
C&DMMP	Construction and Demolition Material Management Plan
CALINE4	California Line Source Dispersion Model
CAP	Contamination Assessment Plan
CAR	Contamination Assessment Report
CCC	Criterion Continuous Concentration
CD	Chart Datum
CDA	Comprehensive Development Area
CEDD	Civil Engineering and Development Department
CEIA	Cumulative EIA for the Three Potential Nearshore Reclamation Sites
CEPT	Chemically-Enhanced Primary Treatment
CFS	Remaining Development in Tung Chung and Tai Ho – Comprehensive Feasibility Study

<b>Abbreviations</b>	<b>Description</b>
CHIA	Cultural Heritage Impact Assessment
CITES	Convention on International Trade in Endangered Species of Wild Fauna and Flora
CMPs	Contaminated Mud Pits
CMR SPS	Chung Mun Road Sewage Pumping Station
CNP	Construction Noise Permit
CO	Carbon Monoxide
COD	Chemical Oxygen Demand
CRN	Calculation of Railway Noise
CRTN	Calculation of Road Traffic Noise
CTN	Conversion To Noise
CUHK	Chinese University of Hong Kong
CWD	Chinese White Dolphin
CWTC	Chemical Waste Treatment Facility
CYR SPS	Chung Yan Road Sewage Pumping Station
DCM	Deep Cement Mixing
DCS	District Cooling System
DEP	Director of Environmental Protection
DG	Dangerous Goods
DGPS	Differential Global Positioning System
DLO	District Land Office
DO	Dissolved Oxygen
DP	Designated Project
DPC	Development Progress Committee
DSD	Drainage Services Department
EcoIA	Ecological Impact Assessment
EDB	Education Bureau
EIA	Environmental Impact Assessment
EIAO	Environmental Impact Assessment Ordinance
EIS	Ecologically Important Stream
EM&A	Environmental Monitoring & Audit Requirements
EMFAC-HK	Emission Factors Hong Kong Model
EMIS	Environmental Mitigation Implementation Schedule
EMP	Environmental Management Plan
ENPO	Environmental Project Office
EP	Environmental Permit
EPD	Environmental Protection Department
ER	Engineer's Representative
ERUF	Engine Run Up Facility
ESS	Electricity Sub-station
ET	Environmental Team
ETWB	Environment, Transport and Works Bureau
FCZs	Fish Culture Zones
FDM	Fugitive Dust Model
FSD	Fire Services Department
FSP	Fine Suspended Particulates

<b>Abbreviations</b>	<b>Description</b>
FSW	Fung Shui Wood
GFA	Gross Floor Area
GFS	Government Flying Services
GMPs	Greening Master Plans
GPR	Ground Penetrating Radar
GSE	Ground Service Equipment
GSI	Gonadosomatic Index
HA	Housing Authority
HATS	Harbour Area Treatment Scheme
HD	Housing Department
HIA	Heritage Impact Assessment
HKAS	Hong Kong Archaeological Society
HKIA	Hong Kong International Airport
HKO	Hong Kong Observatory
HKPF	Hong Kong Police Force
HKPSG	Hong Kong Planning Standards and Guidelines
HKSAR	Hong Kong Special Administrative Region
HOS	House Ownership Scheme
HyD	Highways Department
HZMB HKBCF	Hong Kong - Zhuhai - Macao Bridge Hong Kong Boundary Crossing Facilities
HZMB HKLR	Hong Kong - Zhuhai - Macao Bridge Hong Kong Link Road
IEC	Independent Environmental Checker
IF	Influencing Factor
ISCST3	Industrial Source Complex Short-Term Dispersion Model
IUCN	The World Conservation Union
KCRC	Kowloon–Canton Railway Corporation
KFBG	Kadoorie Farm and Botanic Garden
KSL	Kowloon Southern Link
KTCB	Kwai Tsing Container Basin and its Approach Channel
LandsD	Lands Department
LAOI	Land Administration Office Instruction
LCAs	Landscape Character Areas
LCEL	Lower Chemical Exceedance Level
LCSD	Leisure and Cultural Services Department
LLP	Lantau Logistics Park
LNRS	Low Noise Road Surfacing Materials
LRs	Landscape Resources
LTO	Landing and Take Off
LVIA	Landscape and Visual Impact Assessment
MAI	Marine Archaeological Investigation
MDF	Marine Disposal Facility
MSW	Municipal Solid Waste
MTRCL	Mass Transit Railway Corporation Limited
NAMP	New Airport Master Plan
NCD	North Commercial District

<b>Abbreviations</b>	<b>Description</b>
NCO	Noise Control Ordinance
NGOs	Non-Government Organizations
NLDS	North Lantau Development Study
NLH	North Lantau Highway
NLNT	North Lantau New Town
NO <sub>2</sub>	Nitrogen Dioxide
NOEC	No Observable Effect Concentration
NO <sub>x</sub>	Nitrogen Oxide
NSRs	Noise Sensitive Receivers
O <sub>3</sub>	Ozone
OFCA	Office of the Communications Authority
OLM	Ozone Limiting Method
OVT	Old and Valuable Tree
OWTF	Organic Waste Treatment Facilities Phase 1
OZP	Outline Zoning Plan
PA	Public Address
PAHs	Polycyclic Aromatic Hydrocarbons
PATH	Pollutants in the Atmosphere and their Transport over Hong Kong model
Pb	Lead
PCBs	Polychlorinated Biphenyls
PCW	Prescribed Construction Work
PDA	Possible Development Area
PE	Public Engagement
PFA	Pulverised Fuel Ash
PFS	Petrol Filling Station
PHI	Potential Hazardous Installation
PIARC	Permanent International Association of Road Congresses
PlanD	Planning Department
PODP	Preliminary Outline Development Plan
PP	Project Profile
PR	Plot Ratio
PRC	People's Republic of China
PRD	Pearl River Delta
PRDEZ	Pearl River Delta Economic Zone
PRH	Public Rental Housing
PTI	Public Transport Interchange
PVD	Prefabricated Vertical Drains
QPME	Quality Powered Mechanical Equipment
RAP	Remediation Action Plan
RBRGs	Risk-Based Remediation Goals
RC	Reinforced Concrete
RCP	Refuse Collection Point
RDS-2U	Review and Update of the Second Railway Development Study
REA	Rapid Ecological Assessment
RODP	Recommended Outline Development Plan

<b>Abbreviations</b>	<b>Description</b>
RR	Remediation Report
RSP	Respirable Suspended Particulates
SB	Study Brief
SDM	Structures Design Manual
SHT	Scenic Hill Tunnel
SHW STW	Siu Ho Wan Sewage Treatment Works
SHW WTW	Siu Ho Wan Water Treatment Works
SI	Site Inspection
SO <sub>2</sub>	Sulphur Dioxide
SPME	Specified Powered Mechanical Equipment
SPS	Sewage Pumping Station
SQRR	Sediment Quality Review Report
SS	Suspended Solids
SSSI	Site of Special Scientific Interest
SSTP	Sediment Sampling and Testing Plan
STT	Short-term Tenancy
SUDS	Sustainable Urban Drainage System
SWL	Sound Power Level
TAPs	Toxic Air Pollutants
TBM	Tunnel Boring Method
TC SPS	Tung Chung Sewage Pumping Station
TC(W)	Technical Circular (Works)
TCE	Tung Chung East
TCF	Tunnel Coupling Factor
TCL	Tung Chung Line
TCNT	Tung Chung New Town
TCW	Tung Chung West
TDD	Territory Development Department
TDSR	Territorial Development Strategic Review
THB	Transport and Housing Bureau
The Study	HKUST The “2010 Airport Operational Air Quality Study” prepared by the Hong Kong University of Science & Technology
THI	Tai Ho Interchange
TIA	Traffic Impact Assessment
TIL	Trackform Insertion Loss
TM	Technical Memorandum
TM-CLKL	Tuen Mun - Chek Lap Kok Link
TM-DA	Technical Memoranda on Noise on Construction Work in Designated Areas
TM-EIAO	Technical Memorandum on Environmental Impact Assessment Process
TM-GW	Technical Memoranda on Noise from Construction Work other than Percussive Piling
TM-Places	Technical Memoranda on Noise from Places other than Domestic Premises, Public Places or Construction Sites
TM-PP	Technical Memoranda on Noise from Percussive Piling
TOC	Turnout and Crossover Factor

<b>Abbreviations</b>	<b>Description</b>
TPDM	Transport Planning and Design Manual
TRA	Tree Removal Application
TSP	Total Suspended Particulates
UCEL	Upper Chemical Exceedance Level
UCL	University College London
UKHO	UK Hydrographic Office
USEPA	United States Environmental Protection Agency
VE	Visual Envelope
VIL	Vibration Level
VOCs	volatile organic compounds
VSRs	Visually Sensitive Receivers
WAPO	Wild Animals Protection Ordinance
WCZs	Water Control Zones
WDII	Wan Chai Development Phase II and Central-Wan Chai Bypass
WDO	Waste Disposal Ordinance
WMP	Waste Management Plan
WPCO	Water Pollution Control Ordinance
WQOs	Water Quality Objectives
WSRs	Water Sensitive Receivers
WTW	Water Treatment Works
WWF-HK	Worldwide Fund in Hong Kong



**Abbreviations (Recommended Outline Development Plan)**

<b>Abbreviations</b>	<b>Descriptions</b>
A	Amenity
AGR	Agriculture
C	Commercial
CA	Conservation Area
CDA	Comprehensive Development Area
CPA	Coastal Protection Area
DO	District Open Space
E	Educational
G	Government
GB	Green Belt
IC	Institution and Community
OU	Other Specified Uses
R1	Residential 1
R2	Residential 2
R3	Residential 3
R4	Residential 4
RD	Proposed Road
RO	Regional Open Space
RS	Residential Special
V	Village Development Area

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